

SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

CONTRACT EVALUATION FORM

TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF WORKS, SERVICES & GOODS

- 1) NAME OF THE ORGANIZATION / DEPTT. Peoples Medical College Hospital Nawabshah, Shaheed Benazirabad
- 2) PROVINCIAL / LOCAL GOVT./ OTHER Health Department
- 3) TITLE OF CONTRACT Goods
- 4) TENDER NUMBER NIT INF / KRY-1344/18,
- 5) BRIEF DESCRIPTION OF CONTRACT Supply & Installation of Medical Equipment / Instrument / Machinery / Other Items
- 6) FORUM THAT APPROVED THE SCHEME Procurement Committee
- 7) TENDER ESTIMATED VALUE Above one million (Rs. 295,147,000)
- 8) ENGINEER'S ESTIMATE ---
(For civil works only)
- 9) ESTIMATED COMPLETION PERIOD (AS PER CONTRACT) According to bid document & P.O.
26-03-2018 & 03-04-2018
- 10) TENDER OPENED ON (DATE & TIME) 26-03-2018 & 03-04-2018
- 11) NUMBER OF TENDER DOCUMENTS SOLD 28
(Attach list of buyers)
- 12) NUMBER OF BIDS RECEIVED 23
- 13) NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS 23
Ev. ID. / 1247 / 2018 Dated: 13-04-2018
- 14) BID EVALUATION REPORT
(Enclose a copy) Ev. ID. / 1247 / 2018 Dated: 13-04-2018
- 15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER As Mention at serial # 17
- 16) CONTRACT AWARD PRICE 295,100,000
- 17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT
(i.e. 1st, 2nd, 3rd EVALUATION BID). The List is attached: (Aneexure Attached)
- 18) METHOD OF PROCUREMENT USED : - (Tick one)

- a) SINGLE STAGE – ONE ENVELOPE PROCEDURE Domestic/ Local
- b) SINGLE STAGE – TWO ENVELOPE PROCEDURE Yes
- c) TWO STAGE BIDDING PROCEDURE No
- d) TWO STAGE – TWO ENVELOPE BIDDING PROCEDURE No

PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED i.e. EMERGENCY, DIRECT CONTRACTING ETC. WITH BRIEF REASONS:

Procurement Committee

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT _____

20) WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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21) ADVERTISEMENT :

i) SPPRA Website
(If yes, give date and SPPRA Identification No.)

Yes	
No	

ii) News Papers
(If yes, give names of newspapers and dates)

Yes	
No	

22) NATURE OF CONTRACT

Domestic/ Local	<input checked="" type="checkbox"/>	Int.	<input type="checkbox"/>
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23) WHETHER QUALIFICATION CRITERIA
WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?
(If yes, enclose a copy)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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24) WHETHER BID EVALUATION CRITERIA
WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?
(If yes, enclose a copy)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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25) WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A
METHOD OTHER THAN OPEN COMPETITIVE BIDDING?

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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27) WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED
BID / BEST EVALUATED BID (in case of Consultancies)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY
COMPLIANT?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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29) WHETHER NAMES OF THE BIDDERS AND THEIR QUOTED PRICES WERE READ OUT AT
THE TIME OF OPENING OF BIDS?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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30) WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF
CONTRACT?
(Attach copy of the bid evaluation report)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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31) ANY COMPLAINTS RECEIVED
(If yes, result thereof)

Yes	Yes, CRC minutes copy attached.
No	

32) ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER NOTICE / DOCUMENTS
(If yes, give details)

Yes	
No	No

33) WAS THE EXTENSION MADE IN RESPONSE TIME?
(If yes, give reasons)

Yes	
No	No

34) DEVIATION FROM QUALIFICATION CRITERIA
(If yes, give detailed reasons.)

Yes	
No	No

35) WAS IT ASSURED BY THE PROCURING AGENCY THAT THE SELECTED FIRM IS NOT BLACK LISTED?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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36) WAS A VISIT MADE BY ANY OFFICER/OFFICIAL OF THE PROCURING AGENCY TO THE SUPPLIER'S PREMISES IN CONNECTION WITH THE PROCUREMENT? IF SO, DETAILS TO BE ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD:
(If yes, enclose a copy)

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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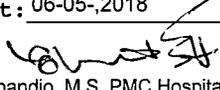
37) WERE PROPER SAFEGUARDS PROVIDED ON MOBILIZATION ADVANCE PAYMENT IN THE CONTRACT (BANK GUARANTEE ETC.)?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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38) SPECIAL CONDITIONS, IF ANY
(If yes, give Brief Description)

Yes	
No	No

39) Date of Award of Contract: 06-05-,2018

Signature & Official Stamp of
Authorized Officer  Dr. Muzafar Ali Chandio, M.S. PMC Hospital

DR. MUZAFAR ALI CHANDIO
Medical Superintendent
Locales Medical College, Hospital Rahimyar Khan
Shehbaz Benazir Abad

FOR OFFICE USE ONLY

SPPRA, Block. No.8, Sindh Secretariat No.4-A, Court Road, Karachi
Tele: 021-9205356; 021-9205369 & Fax: 021-9206291

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SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

CONTRACT EVALUATION FORM

TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF WORKS, SERVICES & GOODS

- 1) NAME OF THE ORGANIZATION / DEPTT. Peoples Medical College Hospital Nawabshah, Shaheed Benazirabad
- 2) PROVINCIAL / LOCAL GOVT./ OTHER Health Department
- 3) TITLE OF CONTRACT Goods
- 4) TENDER NUMBER NIT INF / KRY-1344/18,
- 5) BRIEF DESCRIPTION OF CONTRACT Supply of Furniture & Fixture
- 6) FORUM THAT APPROVED THE SCHEME Procurement Committee
- 7) TENDER ESTIMATED VALUE Above one million (Rs. 3,000,000)
- 8) ENGINEER'S ESTIMATE ---
(For civil works only)
- 9) ESTIMATED COMPLETION PERIOD (AS PER CONTRACT) According to bid document & P.O.
26-03-2018 & 03-04-2018
- 10) TENDER OPENED ON (DATE & TIME) 26-03-2018 & 03-04-2018
- 11) NUMBER OF TENDER DOCUMENTS SOLD 07
(Attach list of buyers)
- 12) NUMBER OF BIDS RECEIVED 06
- 13) NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS 04
- 14) BID EVALUATION REPORT Ev. ID: 1247 / 2018 Dated: 13-04-2018
(Enclose a copy)
- 15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER As Mention at serial # 17
- 16) CONTRACT AWARD PRICE 3,000,0000
- 17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT
(i.e. 1st, 2nd, 3rd EVALUATION BID). M/s Khalid Corporation Rs 1,423,500
M/s Medline Karachi, Rs 1,575,000
- 18) METHOD OF PROCUREMENT USED :- (Tick one)

- a) SINGLE STAGE – ONE ENVELOPE PROCEDURE _____ Domestic/ Local
- b) SINGLE STAGE – TWO ENVELOPE PROCEDURE Yes _____
- c) TWO STAGE BIDDING PROCEDURE _____ No
- d) TWO STAGE – TWO ENVELOPE BIDDING PROCEDURE _____ No

PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED i.e.
EMERGENCY, DIRECT CONTRACTING ETC. WITH BRIEF REASONS:

Procurement Committee

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT _____

20) WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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i) SPPRA Website
(If yes, give date and SPPRA Identification No.)

Yes	
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ii) News Papers
(If yes, give names of newspapers and dates)

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22) NATURE OF CONTRACT

Domestic/ Local	<input checked="" type="checkbox"/>	Int.	<input type="checkbox"/>
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23) WHETHER QUALIFICATION CRITERIA
WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?
(If yes, enclose a copy)

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27) WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED
BID / BEST EVALUATED BID (in case of Consultancies)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY
COMPLIANT?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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29) WHETHER NAMES OF THE BIDDERS AND THEIR QUOTED PRICES WERE READ OUT AT
THE TIME OF OPENING OF BIDS?

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33) WAS THE EXTENSION MADE IN RESPONSE TIME?
(If yes, give reasons)

Yes	
No	No

34) DEVIATION FROM QUALIFICATION CRITERIA
(If yes, give detailed reasons.)

Yes	
No	No

35) WAS IT ASSURED BY THE PROCURING AGENCY THAT THE SELECTED FIRM IS NOT BLACK LISTED?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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36) WAS A VISIT MADE BY ANY OFFICER/OFFICIAL OF THE PROCURING AGENCY TO THE SUPPLIER'S PREMISES IN CONNECTION WITH THE PROCUREMENT? IF SO, DETAILS TO BE ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD:
(If yes, enclose a copy)

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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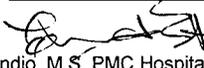
37) WERE PROPER SAFEGUARDS PROVIDED ON MOBILIZATION ADVANCE PAYMENT IN THE CONTRACT (BANK GUARANTEE ETC.)?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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38) SPECIAL CONDITIONS, IF ANY
(If yes, give Brief Description)

Yes	
No	No

39) Date of Award of Contract: 06-05-2018

Signature & Official Stamp of
Authorized Officer  Dr. Muzafar Ali Chandio, M.S. PMC Hospital

DR. MUZAFAR ALI CHANDIO
Medical Superintendent
Peoples Medical Centre, G.D. Sindh Hospital
Shahedd Sarafi, Ahmed

FOR OFFICE USE ONLY

SPPRA, Block. No.8, Sindh Secretariat No.4-A, Court Road, Karachi

Tele: 021-9205356; 021-9205369 & Fax: 021-9206291

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**OFFICE OF THE MEDICAL SUPERINTENDENT PEOPLES MEDICAL
COLLEGE HOSPITAL NAWABSHAH-SHAHEED BENAZIRABAD**

NO: MS/SB-NWB/ 14/38-42
To

DATED: 5-6-2018

**The M/s Medline Technologies (Pvt) Ltd.
Karachi.**

**SUBJECT: - WORK ORDER FOR "SUPPLY & OF FURNITURE & FIXTURE FOR THE YEAR
2017-18 – PMC HOSPITAL NAWABSHAH-SHAHEED BENAZIRABAD**

Reference: PMCHNo /Account /SBA/ _____ / of 2018 dated

With reference to the Subject cited above your bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item at the earliest.

Necessary bill along with delivery challan may be furnished to main Store PMC Hospital Nawabshah Shaheed Benazir Abad accordingly.

ITEM NO.	ITEM DESCRIPTION	MAKE/MODEL	QTY	RATE	TOTAL AMOUNT
2	Ward Screen, 3 Folds	Strongman/ Pakistan	50	9,500.00	475,000.00
5	Patient Attendance Bench	Strongman/ Pakistan	100	11,000.00	1,100,000.00
Amount in Word: One million Five hundred seventy-five thousand Only			Total		1,575,000.00

Note:-

- a. Terms & Conditions will remain same as per agreement and bid document.
- b. Income Tax will be deduction from the total value of the bill as per law / policy
- c. Place of Delivery PMC Hospital Nawabshah Shaheed Benazir Abad.
- d. Name & Address of Consignee Medical Superintendent PMC Hospital Nawabshah SBA.

Medical Superintendent,
Peoples Medical College Hospital
Nawabshah Shaheed Benazir Abad

Cc to:

1. The Chairman, vice Chairman & Member Board of Governors (BOG) Shaheed Benazir Abad.
2. The Managing Director, SPPRA Government Sindh Karachi.
3. The Procurement Committee PMCH Nawabshah.
4. The Account & Main Store PMC Hospital Nawabshah Shaheed Benazir Abad

Medical Superintendent,
Peoples Medical College Hospital
Nawabshah Shaheed Benazir Abad

OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL

NAWABSHAH- SHAHEED BENAZIRABAD

NO. PMCHN/Account (SBA)/- 13489/- 2018

DATED 26-5-2019

To,

The M/s LATIF BROTHERS
LAHORE

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____/- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Items No.	Item Description	Make /Model	Qty	Rate	Total Amount
40	OPERATING MICROSCOPE FOR	TAKAGI / OM-9 / JAPAN	01	2,494,800.00	2,494,800.00
IN WORD: TWO MILLION FOUR HUNDRED NINETY FOUR THOUSAND EIGHTY HUNDRED ONLY TOTAL					2,494,800.00

Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.

MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

NO. PMCHN/Account (SBA)/- 13475/79 /- 2018

DATED 26-5-2018

To,

The M/s STANDARD SUPPLIER
KARACHI

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____ /- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Items No.	Item Description	Make /Model	Qty	Rate	Total Amount
20	NEBULIZER MACHINE	MG ELECTRIC / NIVEC III / UK	26	75,000.00	1,950,000.00
IN WORD : ONE MILLION NINE HUNDRED FIFTY THOUSAND ONLY				Total	1,950,000.00

Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

NO. PMCHN/Account (SBA)/- 13525 / 29 / 2018

DATED 26-5-2018

To,

The M/s STANDARD SUPPLIER
KARACHI

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____ /- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Items No.	Item Description	Make /Model	Qty	Rate	Total Amount
20	NEBULIZER MACHINE	MG ELECTRIC / NIVEC III / UK	02	75,000.00	150,000.00
IN WORD : ONE LAC FIFTY THOUSAND ONLY				Total	<u>150,000.00</u>

Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

NO. PMCHN/Account (SBA)/- 13495/59 2018

DATED 26-5-2018

To,

The M/s UNIVERSAL ENTERPRISES
KARACHI

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____ /- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Items No.	Item Description	Make /Model	Qty	Rate	Total Amount
15	PEADS RECTOSCOPE	TEKNO / GERMANY	01	673,015.00	673,015.00
IN WORD: SIX LAC SEVENTY THREE THOUSAND FIFTEEN ONLY				Total	673,015.00

Note:-

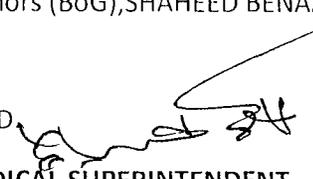
- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

/

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.


**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

NO. PMCHN/Account (SBA)/- 13520/24 /- 2018

DATED 26-5-2018

To,

The M/s UNIVERSAL ENTERPRISES
KARACHI

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____ /- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Items No.	Item Description	Make /Model	Qty	Rate	Total Amount
16	ADULT RESECTOSCOPE	TEKNO / GERMANY	01	668,007.00	668,007.00
IN WORD: SIX LAC SIXTY EIGHT THOUSAND SEVEN ONLY				Total	668,007.00

Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL

NAWABSHAH- SHAHEED BENAZIRABAD

NO. PMCHN/Account (SBA)/- 134809/184- 2018

DATED 26-5-2018

To,

The M/s ALLMED
KARACHI

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

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Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Items No.	Item Description	Make /Model	Qty	Rate	Total Amount
39	VIDEO LARYNGOSCOPE	KARLZ STORZ GERMANY	01	3,821,600.00	3,821,600.00
43	LARYNGOSCOPE	KARLZ STORZ GERMANY	10	238,880.00	2,388,800.00
IN WORD: SIX MILLION TWO HUNDRED TEN THOUSAND FOUR HUNDRED ONLY				TOTAL	<u>6,210,400.00</u>

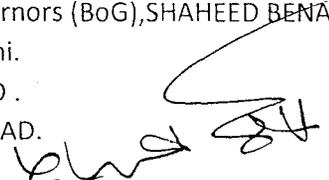
Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.


MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

NO. PMCHN/Account (SBA)/- 134651/69 /- 2018

DATED 26-5-2018

To,

The M/s ENDO - KARE
KARACHI

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____ /- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Item No.	Item Description	Make/ Model	QTY	Rate (FOR)	Total Amount
25	THERAPEUTIC HYSTEROSCOPY	OLYMPUS GERMANY	01	2,645,000.00	2,645,000.00
49	ENDOSCOPE UNIT FOR UPPER & LOWER G.GI	F-H170L OLYMPUS GERMANY	01	14,825,000.00	14,825,000.00
50	COLPOSCOPE	OCS-500 OLYMPUS GERMANY	01	4,750,000.00	4,750,000.00
IN WORD TWENTY TWO MILLION TWO HUNDRED TWENTY THOUSAND ONLY				Total	22,220,000.00

Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

NO. PMCHN/Account (SBA)/- 134501 /- 2018

DATED 26-5-2018

To,

The M/s Medequips
Karachi

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____ /- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Items No.	Item Description	Make /Model	Qty	Rate	Total Amount
24	ICU BEDS ELECTRIC	PARAMOUNT JAPAN	20	465,000.00	9,300,000.00
27	FLUOROSCOPE C ARM SYSTEM	TOSHIBA / JAPAN	1	11,400,000.00	11,400,000.00
52	CARDIAC MONITORS	NIHON / BSM3562-K/ JAPAN	10	785,000.00	7,850,000.00
IN WORD TWENTY EIGHT MILLION FIVE HUNDRED FIFTY THOUSAND ONLY				Total	28,550,000.00

Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

/

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.


**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

NO. PMCHN/Account (SBA)/- 134701/174 - 2018

DATED 26-5-2018

To,

The M/s Popular Intentional
Hyderabad

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____ /- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Items No.	Item Description	Make /Model	Qty	Rate	Total Amount
12	LARYNGOSCOPE	COVIDIEN /CMOS GERMANY	01	5,000,000.00	5,000,000.00
45	BINOCULAR MICROSCOPE	HUMAN/ HUMASCOPE GERMANY	01	230,000.00	230,000.00
46	CENTRIFUGE MACHINE	HUMAN/ HUMAX GERMANY	02	245,000.00	490,000.00
IN WORD: FIVE MILLION SEVEN HUNDRED TWENTY THOUSAND ONLY				Total	5,720,000.00

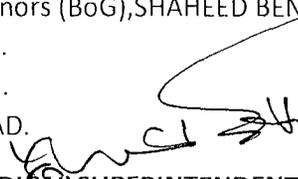
Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.


**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH-SHAHEED BENAZIRABAD**

NO. PMCHN/Account (SBA)/- 13490/-2018

DATED 26-5-2018

To,

The M/s Verizon,
Karachi

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____/- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Items No.	Item Description	Make /Model	Qty	Rate	Total Amount
14	Paeds Cystoscope with Bridge	Richard Wolf Germany	01	1,012,500.00	1,012,500.00
IN WORD: ONE MILLION TWELVE THOUSAND FIVE HUNDRED ONLY				TOTAL	1,012,500.00

Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

NO. PMCHN/Account (SBA)/- 135057 /- 2018

DATED 26-5-2018

To,

The M/s Platinum Corporation
1/1-0,2nd Floor PECHS Block 6
Karachi

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____ /- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Item No.	Item Description	Make/ Model	QTY	Rate (FOR)	Total Amount
13	Autoclave	PG terlie/Progetti/Italy	04	890,000.00	3,560,000.00
19	PC Based ETT Machine	PG Stress Progetti Italy	01	1,895,000.00	1,895,000.00
29	COLOR DOPPLER	PG Scan Expert Italy	01	9,435,000.00	9,435,000.00
IN WORD: FOUTEEN MILLION EIGHTH HUNDRED NINTY THOUSAND ONLY				TOTAL	14,890,000.00

Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

NO. PMCHN/Account (SBA)/- 13629/1 - 2018

DATED 26-5-2018

To,

The M/s Platinum Corporation
1/1-0,2nd Floor PECHS Block 6
Karachi

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____ /- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Item No.	Item Description	Make/ Model	QTY	Rate (FOR)	Total Amount
29	Ultrasound Machine	PG Scan Expert Italy	1	9,43,5000.00	9,43,5000.00
42	Anesthesia Machine with Ventilator	Mistral III Integrated norvap UK	5	1,89,5000.00	9,47,5000.00
51	Transport Ventilator	PR-4G Leistung Brazil	1	1,95,0000.00	1,95,0000.00
IN WORD: TWENTY MILLION EIGHT HUNDRED SIXTY THOUSAND ONLY				TOTAL	20,860,000.00

Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

NO. PMCHN/Account (SBA)/- 13439/1-2018

DATED 26-5-2018

To,

The M/s Platinum Corporation
1/1-0,2nd Floor PECHS Block 6
Karachi

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____/- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Item No.	Item Description	Make/ Model	QTY	Rate (FOR)	Total Amount
13	Autoclave	PG terlie/Progetti/Italy	6	890,000.00	5,340,000.00
18	Suction Machine	Askir C 30/ CAMI Italy	20	157,650.00	3,153,000.00
19	PC Based ETT Machine	PG Stress Progetti Italy	1	1,895,000.00	1,895,000.00
21	CTG Machine	Team 3A NSB/Huntleigh UK	1	1,650,000.00	1,650,000.00
28	Spiro Meter	PG Spiro Progetti Italy	1	1,135,000.00	1,135,000.00
IN WORD: THIRTEEN MILLION ONE HUNDRED SEVENTY THREE THOUSAND ONLY TOTAL					13,173,000.00

Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

NO. PMCHN/Account (SBA)/- 134/81 /- 2018

DATED 26-5-2018

To,

The M/s Platinum Corporation
1/1-0,2nd Floor PECHS Block 6
Karachi

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____ /- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Item No.	Item Description	Make/ Model	QTY	Rate (FOR)	Total Amount
1	ECG Machine	EPG 6 View/Progetti/ Italy	6	299,000.00	1,794,000.00
2	Bedside Patient Monitors	PG M9500/Progetti/Italy	40	473,000.00	18,920,000.00
4	BiPAP Ventilator	Stealer 150	1	1,670,000.00	1,670,000.00
8	Central Monitor Station	PGM 6000	2	1,650,000.00	3,300,000.00
9	OT Table Gyne	Surgitable4/ ATA/France	6	3,875,000.00	23,250,000.00
IN WORD: FOURTY EIGHT MILLION NINE HUNDRED THIRTY FOUR THOUSAND ONLY TOTAL					48,934,000.00

Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

NO. PMCHN/Account (SBA)/- 13500 /- 2018

DATED 26-5-2018

To,

The M/s Platinum Corporation
1/1-0,2nd Floor PECHS Block 6
Karachi

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____ /- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Item No.	Item Description	Make/ Model	QTY	Rate (FOR)	Total Amount
02	PATEINT MONITOR	PG M9500/Progetti/Italy	10	473,000.00	4,730,000.00
09	OT TABLE FOR GYNE & UROLOGY	Surgitable4/ ATA/France	04	3,875,000.00	15,500,000.00
18	SUCTION MACHINE	Askir C 30/ CAMI Italy	08	157,650.00	1,261,200.00
IN WORD: TWENTY ONE MILLION FOUR HUNDRED NINETY ONE THOUSAND TWO HUNDRED ONLY TOTAL					21,491,200.00

Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

NO. PMCHN/Account (SBA)/- 13424/28 - 2018

DATED 26-5-2018

To,

The M/s Platinum Corporation
1/1-0,2nd Floor PECHS Block 6
Karachi

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____ /- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Item No.	Item Description	Make/ Model	QTY	Rate (FOR)	Total Amount
10	O.T Light Double Doom Surgical Light With Battery	LED 7w5w/ATA Surgical France	04	3,985,000.00	15,940,000.00
11	Portable OT Light	NX 3 Acem Italy	04	1,093,500.00	4,374,000.00
IN WORD: TWENTY MILLION THREE HUNDRED FOURTEEN THOUSAND ONLY				TOTAL	20,314,000.00

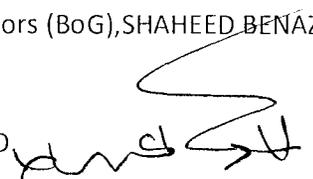
Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD


MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

NO. PMCHN/Account (SBA)/- 134401 /- 2018

DATED 26-5-2018

To,

The M/S BIOS,
KARACHI

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____ /- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Items No.	Item Description	Make /Model	Qty	Rate	Total Amount
5	DEFIBRILATOR	OSATU/R-700/SPAN	10	512,600.00	5,126,000.00
17	PULSE OXIMETER	INFINUM/CLEO/USA	5	154,300.00	771,500.00
31	B/W ULTRASOUND MACHINE	SONOSCAPE /A6/CHINA	5	595,000.00	2,975,000.00
32	LAPTOP HIGH END COLOR DOPPLER ULTRA SOUND MACHINE	SONOSCAPE/X5/	1	3,125,000.00	3,125,000.00
IN WORD ELEVEN MILLION NINE HUNDRED NINTY SEVEN THOUSAND FIVE HUNDRED Total					11,997,500.00

Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

NO. PMCHN/Account (SBA)/- 13655/49 /- 2018

DATED 26-5-2018

To,

The M/S BIOS,
KARACHI

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____ /- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Items No.	Item Description	Make /Model	Qty	Rate	Total Amount
33	Radiology system with DR	Stephanix / France	01	16,202,000.00	16,202,000.00
IN WORD SIXTEEN MILLION TWO HUNDRED TWO THOUSAND ONLY					Total
					16,202,000.00

Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.

MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD

OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL

NAWABSHAH- SHAHEED BENAZIRABAD

NO. PMCHN/Account (SBA)/- 135101/- 2018

DATED 26-5-2018

To,

The M/S BIOS,
KARACHI

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____/- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Items No.	Item Description	Make /Model	Qty	Rate	Total Amount
5	DEFIBRILATOR	OSATU/R-700/SPAN	5	512,600.00	2,563,000.00
35	X-RAY RADIOGRAPHY SYSTEM	STEPHINIX FRANCE	01	5,610,000.00	5,610,000.00
44	CAPNOGRAPH	INFINUM / CLEO USA	05	451,000.00	2,255,000.00
IN WORD TEN MILLION FOUR HUNDRED TWENTY EIGHT THOUSAND ONLY				Total	10,428,000.00

Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.

MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL**

N. AWABSHAH- SHAHEED BENAZIRABAD

NO. PMCHN/Account (SBA)/- 134557 /-2018

DATED 26.5.2018

To,

**M/s. LAB LINK ENTERPRISES ,
KARACHI**

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____ /- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

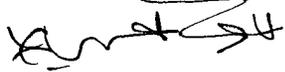
Item No.	Item Description	Make/ Model	QTY	Rate (FOR)	Total Amount
53	Air Drill	CHINA	01	140,000.00	140,000.00
	Arttery Forceps	CHINA	39	750.00	29,250.00
	Bone Cutter	CHINA	06	6,000.00	36,000.00
	Bone Elavtor	CHINA	06	2,000.00	12,000.00
	Bone Files	CHINA	09	3,000.00	27,000.00
	Bone Holding Forcep Large	CHINA	02	5,600.00	11,200.00
	Bone Nibble Large	CHINA	04	5,600.00	22,400.00
	Bone Nibble Medium	CHINA	04	5,600.00	22,400.00
	Bone Nibble Small	CHINA	04	5,600.00	22,400.00
	Cannulated Screw Set	CHINA	01	210,000.00	210,000.00
	Depth Gauge 3.5	CHINA	02	35,000.00	70,000.00
	Depth Gauge 4.5	CHINA	02	35,000.00	70,000.00
	DHS/DCS Set	CHINA	01	650,000.00	650,000.00
	Drill Guide 3.5	CHINA	02	15,000.00	30,000.00
	Drill Guide 4.5	CHINA	02	15,000.00	30,000.00
	Electric Drill Machine	CHINA	01	35,000.00	35,000.00
	Ellis Tissue Forcep	CHINA	10	1,800.00	18,000.00
	Examination Instrument	CHINA	09	10,000.00	90,000.00
	Hematology Machine	Swelab/ Martin Dow	01	950,000.00	950,000.00
	Hmabeez Knife Set	CHINA	01	70,000.00	70,000.00
	Hoffmen Rect Large	CHINA	01	3,600.00	3,600.00
	Hoffmen Rect Medium	CHINA	01	3,600.00	3,600.00
	Hoffmen Rect Small	CHINA	01	3,600.00	3,600.00

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

53	Inter Locking Set	CHINA	01	650,000.00	650,000.00
	K.Nail Extractor Set	CHINA	02	14,000.00	28,000.00
	K.Nail Remer Set	CHINA	01	75,000.00	75,000.00
	Oscillating Saw	CHINA	01	390,000.00	390,000.00
	Plate Holding Forcep	CHINA	02	3,800.00	7,600.00
	Plate Holding Forcep	CHINA	02	3,800.00	7,600.00
	Plate Holding Forcep	CHINA	02	3,200.00	6,400.00
57	Vitrecomoy	Alcon/USA	01	14,500,000.00	14,500,000.00
IN WORD EIGHTEEN MILLION TWO HUNDRED TWENTY ONE THOUSAND FIFTY ONLY					
Total					18,221,050.00

Note:-

- a. Terms & Conditions will remain same as per agreement and bid document.
- b. Income Tax will be deducted from the total value of the bill as per Law/ policy
- c. Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- d. Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD


MEDICAL SUPERINTENDENT

PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD

Cc to:

1. The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
2. The Managing Director, SPPRA Government Sindh Karachi.
3. Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
4. The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.


MEDICAL SUPERINTENDENT

PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

NO. PMCHN/Account (SBA)/- 13515/1 - 2018

DATED 26-5-2018

To,

The M/s. LAB LINK ENTERPRISES ,
KARACHI

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____ /- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Items No.	Item Description	Make /Model	Qty	Rate	Total Amount
30	Ventilator	levent Medical/ 13 USA	03	2,786,500.00	8,359,500.00
36	EEG Poligraphic Mahcine	SIGMA NEUROWERK GERMANY	1	3,865,000.00	3,865,000.00
IN WORD TWELVE MILLION TWO HUNDRED TWENTY FOUR THOUSAND FIVE HUNDRED ONLY TOTAL					12,224,500.00

Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.

**MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD**

**OFFICE OF THE
MEDICAL SUPERINTENDENT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

NO. PMCHN/Account (SBA)/- 13460/1 /- 2018

DATED 26-5-2018

To,

The M/s. LAB LINK ENTERPRISES ,
KARACHI

SUBJECT: - WORK ORDER FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 THE YEAR (PMCH), SHAHEED BENAZIRABAD.

Reference: PMCHN/Account (SBA)/- _____ /- of 2018

With reference to the subject cited above, your Bid offer for supply of following items to this institute has been approved as lowest. Please supply / install following item(s) at the earliest.

Necessary bill along with delivery challan may be furnished to Main Store PMCH, SHAHEED BENAZIRABAD, accordingly

Items No.	Item Description	Make /Model	Qty	Rate	Total Amount
30	Ventilator	levent Medical/ I3 USA	06	2,786,500.00	16,719,000.00
IN WORD SIXTEEN MILLION SEVEN HUNDRED NINETEEN THOUSAND ONLY				Total	16,719,000.00

Note:-

- Terms & Conditions will remain same as per agreement and bid document.
- Income Tax will be deducted from the total value of the bill as per Law/ policy
- Place of Delivery: PMCH, SHAHEED BENAZIRABAD.
- Name & Address of Consignee: Medical superintendent, SHAHEED BENAZIRABAD

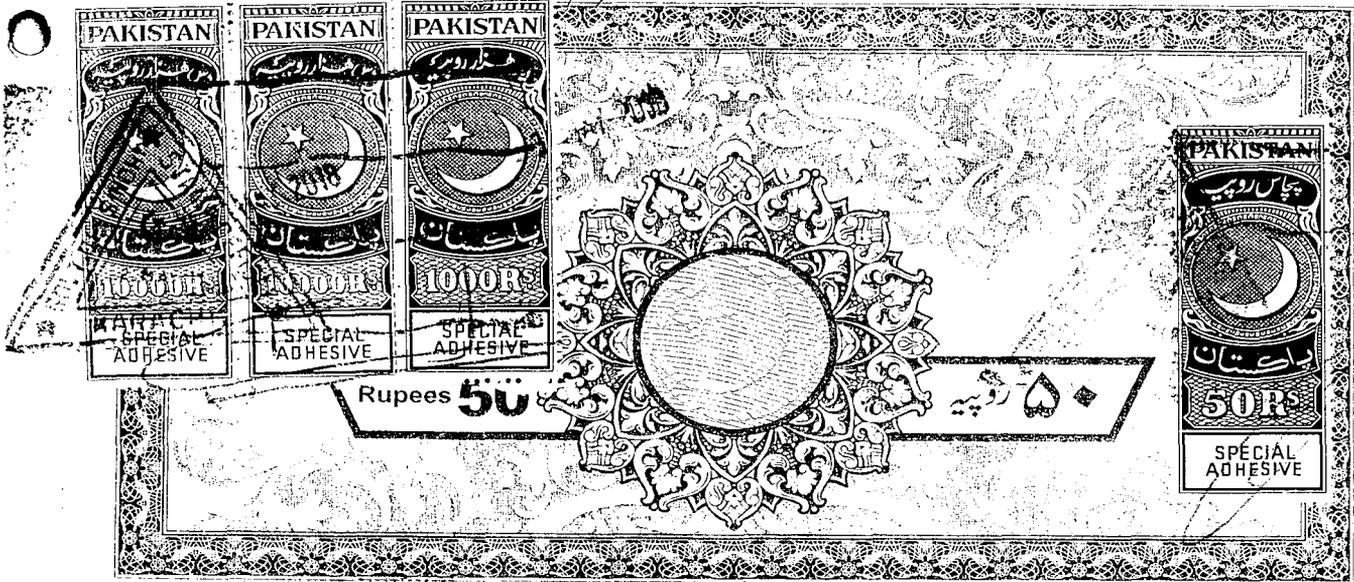
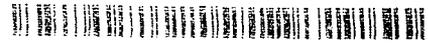
MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD

Cc to:

- The Chairman, Vice Chairman & Members Board of Governors (BoG), SHAHEED BENAZIRABAD
- The Managing Director, SPPRA Government Sindh Karachi.
- Procurement Committee, PHCH, SHAHEED BENAZIRABAD .
- The Accounts & Main Store PMCH, SHAHEED BENAZIRABAD.

MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH
SHAHEED BENAZIRABAD

155
23/5/2016 27760/



MUHAMMAD ASHIQ STAMP VENDOR
H # 81/A, Clayton Quarters, Larnah Road # 1, KHI.
Tel. No. 157
S. No.

DATE: 27 MAY 2016
24720
MUHAMMAD YAQOOB
ADVOCATE

ISSUED TO: WATER SUPPLY
THROUGHOUT THE DISTRICT
PURPOSE: BOND FOR USE IN MARRIAGE DEED
VALUE: RS
SERIAL NO. 157 IN SIGNATURE

OFFICE SUPERINTENDENT
MARRIAGE CITY COURT
MARRIAGE CITY ONLY

15 MAR 2016

CONTRACT AGREEMENT

THIS AGREEMENT made at _____ day of 20 _____ between Peoples Medical College of Nawabshah SBA, Pakistan (herein after referred to as the "Procuring Agency") of the _____ on Part; and Allmed Solutions of Karachi, Pakistan (herein after called the "Supplier") of the other Part.

WHERE AS the Procuring Agency invite bids for certain goods and ancillary services, viz: Video Laryngoscope, Laryngoscope and has accepted the bid by the Supplier for the supply of those goods and service in the sum of Rs. 6,210,400/- (Pak Rupees Six Million Two Hundred Ten Thousand Four Hundred Only) (hereinafter called "the contract price)

Now this Contract Witness as Follows:

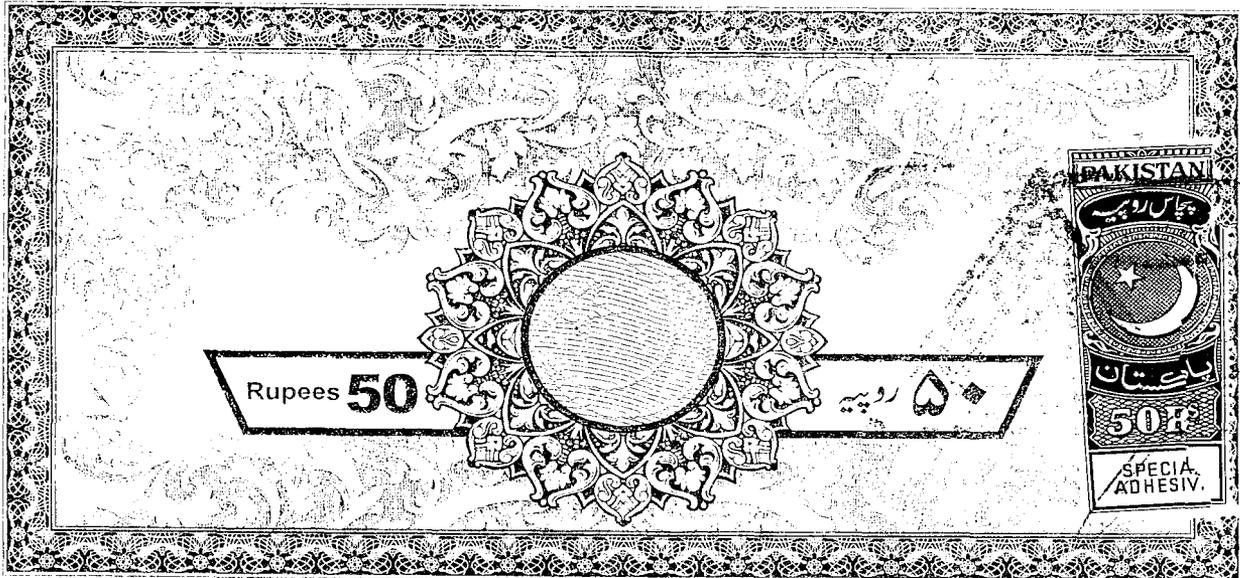
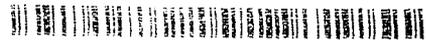
1. In this agreement words and expressions shall have the same meanings as are respectively assigned to them in the General Conditions of this Contract hereinafter referred to;
2. The following documents shall be deemed to form and be read and construed as part of this agreement, viz:- a. The Bid form and Price Schedule submitted by the Bidder;
b. The Schedule of requirements;
c. The technical Specification;
d. The General Conditions of Contract;
e. The Special Conditions of Contract;
f. The Procuring Agency's Notification of award;



MAY 2016

23 MAY 2016

OFFICE SUPERINTENDENT
MARRIAGE CITY COURT



MUHAMMAD ASHIQ STAMP VENDOR
H. # 81/A, Clayton Quarter Jamshed Road # 1, Khl.
Lic. No. 151
S. No.

24713

OFFICE SUPERINTENDENT
Stamp Office, City Court
RUPES FIFTY ONLY

DATE: 16 MAR 2018 MUHAMMAD YAQOUB

16 MAR 2018

ISSUED TO WITH ADDRESS
THROUGH WITH ADDRESS
PURPOSE: NOT FOR USED DIVORCE DEED
VALUE RS (ATTESTED)
STAMP VENDOR SIGNATURE
ADVOCATE
INTEGRITY PACT
DECLARATION OF FEES, COMMISSIONS AND BROKERAGE ETC.
PAYABLE BY THE SUPPLIER/CONTRACTORS/CONSULTANTS

Contract number: PMCHN/Account (SBA)/-12935/88/ OF 2018
Dated: 19-05-2018
Contract Value: Rs. 6,210,400/-
Contract title: Video Laryngoscope, Laryngoscope

We Allmed Solutions, hereby declares its intention not to obtain or induce the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan or any administrative subdivision or agency thereof or any other entity owned or controlled by it (Government of Pakistan) through any corrupt business practice.

Without limiting the generality of the foregoing, Allmed Solutions represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultants, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from Procuring Agency (PA), except that which has been expressly declared pursuant hereto.

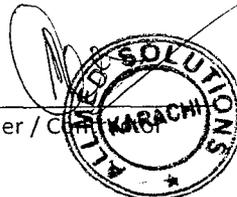
Allmed Solutions certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

Allmed Solutions accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to PA under any law, contract or other instrument, be voidable at the option of Government of Pakistan.

Notwithstanding any rights and remedies exercised by PA in this regard Allmed Solutions agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by Allmed Solutions as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from PA

Procuring Agency

Supplier / Contractor



3. In consideration of the payments to be made by the Procuring Agency to the Supplier as hereinafter mentioned, the supplier hereby covenants With the Procuring Agency to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of this Contract.
4. The Procuring Agency hereby covenants to pay the Supplier In consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of this contract at the time and the manner prescribed by this Contract.

IN WITNESS whereof the parties here to have caused this agreement to be executed in accordance with their respective laws the day and year first above written

Signed, sealed and delivered by _____ the _____

(For the procuring agency).

Signed, sealed and delivered by _____ the _____

(For the supplier).



A handwritten signature in black ink, consisting of several loops and a long horizontal stroke extending to the right.



15. M/S VERIZON undertake that: that if any of the information submitted in accordance to this tender found incorrect the contract may be cancelled and will be blacklist at any stage on (Company name) cost and risk.

CERTIFICATE

M/S VERIZON guarantee to supply the stores exactly in accordance with the requirement specified in the work order and also agreed the terms and conditions mentioned in bid document.

Signature with Stamp second party
Medical superintendent
Peoples Medical college Hospital,
Nawabshah,
Shaheed Benazirabad

Signature with stamp second party
M/s Verizon
Name of CEO/ Director Humaira Farooq Sohail
NIC No. 35202-6964112-6

Witness Signature with Stamp

Name _____

Designation _____

NIC No _____

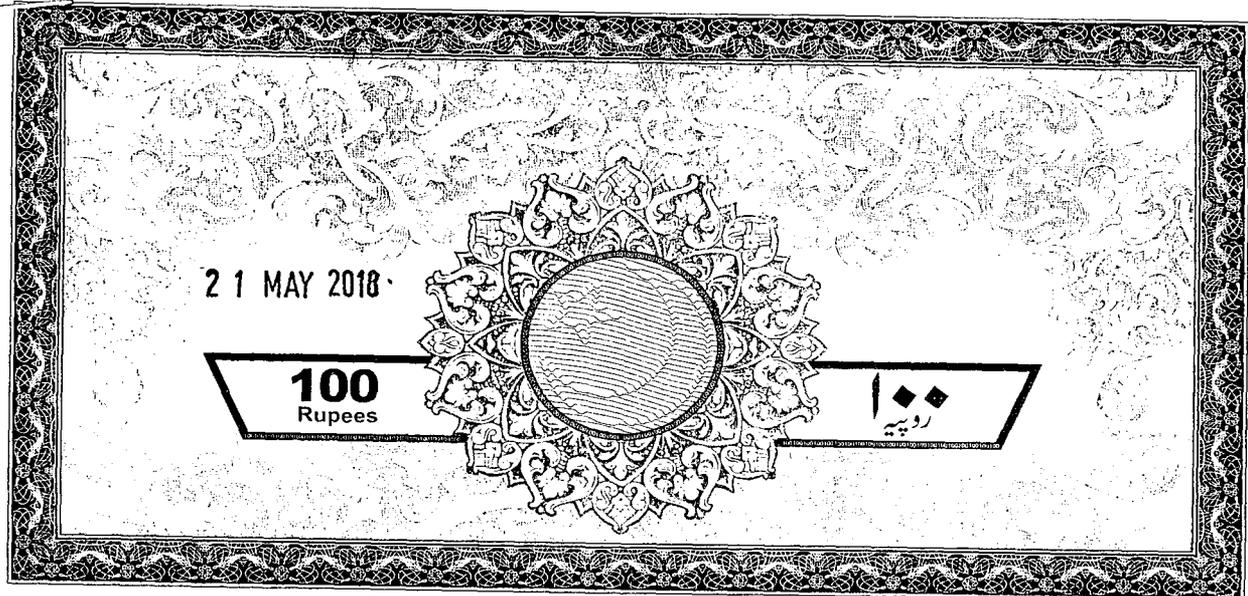
Witness signature with Stamp

Name Askar Shaikh

Designation Sales Executive.

NIC No 61101-0178939-1





MUHAMMAD IMRAN STAMP VENDOR
Shop No. 31, Jilani Plaza, Garden West, Karachi
Lic. No. 141, S. No. 2677/Date:

21 MAY 2018

Issued to With Address
Through With Address **Sadaqat Ali Siddiqui**
Purpose **Advocate (L-13353)**
Value Rs. ... **100** Attached
Stamps Vendor's Signature
NOT FOR USED BANK GUARANTEE WILL/DIVORCE
VENDOR NOT RESPONSIBLE ANY FAKE DOCUMENTATION

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS/CONTRACTORS/CONSULTANTS.

Contract Number: 12989-92
Contract Value: Rs. 1,012,500.00

Dated : 25-May-18

Contract Title: Tender Enquiry for Purchase of Machinery / Equipment / Instrument Through NON ADP
at Peoples Medical College Hospital Nawabshah – Shaheed Benazirabad.

M/S VERIZON is hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, M/S VERIZON represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from Procuring Agency (PA), except that which has been expressly declared pursuant hereto.

M/S VERIZON certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

M/S VERIZON accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to PA under any law, contract or other instrument, be voidable at the option of PA.

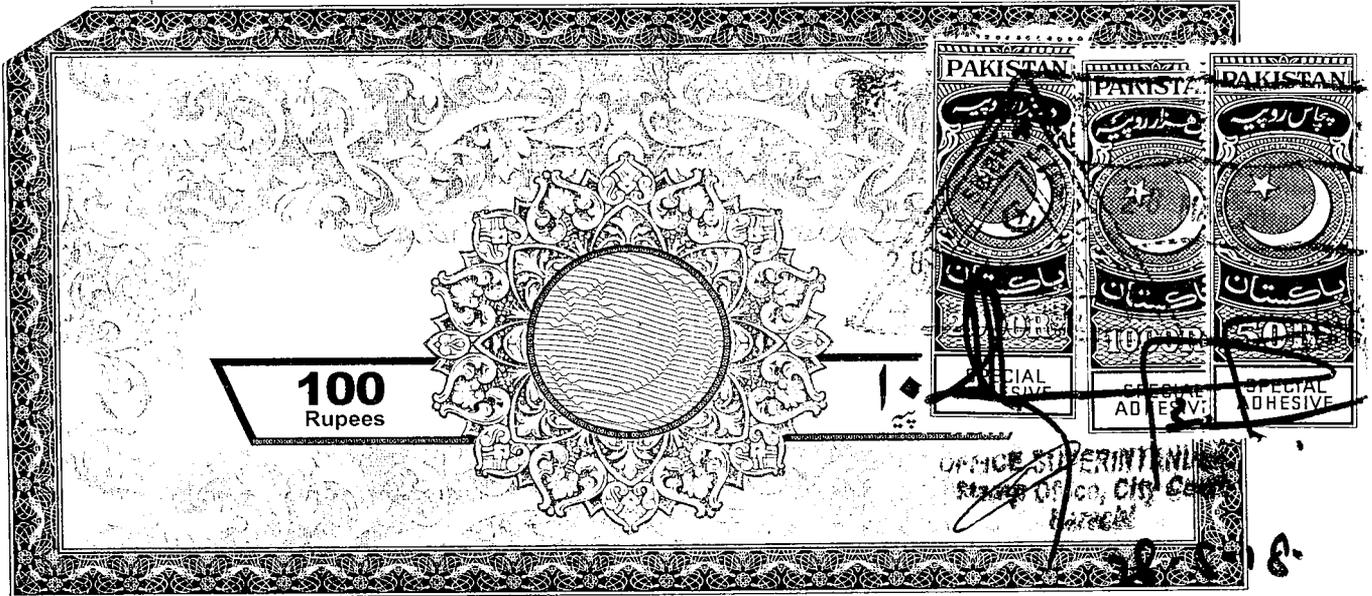
Notwithstanding any rights and remedies exercised by PA in this regard, M/S VERIZON agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by M/S VERIZON as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from PA.

[MEDICAL SUPRINTENDENT]

Peoples Medical College Hospital Nawabshah

[M/S VERIZON]





M. ILYAS STAMP VENDOR
Lic No.112, Liaquatabad, Karachi.

S.No.

DATE: 27/13/

ISSUE TO WITH ADDRESS
THROUGH WITH ADDRESS
PURPOSE
VALUE RS. (ATTESTED)
STAMP VENDOR'S SIGNATURE

07 MAY 2018

28 MAY 2018

CONTRACT FORM

THIS AGREEMENT made the 28th day of May 2018 between MEDICAL SUPRINTENDENT, PEOPLES MEDICAL COLLEGE HOSPITAL NAWABSHAH, SHAHEED BENAZIRABAD (Procuring Agency) of the first party and M/S. Verizon, a firm registered under the Laws of Pakistan and having its registered office at 13-D, Muhammad Ali Housing Society, Tipu Sultan Road, Karachi of the second party.

2. The following documents shall be deemed to form and be read and construed as part of this agreement, viz.:
- The Bid Form and the price Schedule Submitted by the Bidder;
 - The Schedule of Requirements;
 - The Technical Specifications.
 - The General Conditions of Contract;
 - The Special Conditions of Contract; and
 - The Procuring agency Notification of Award

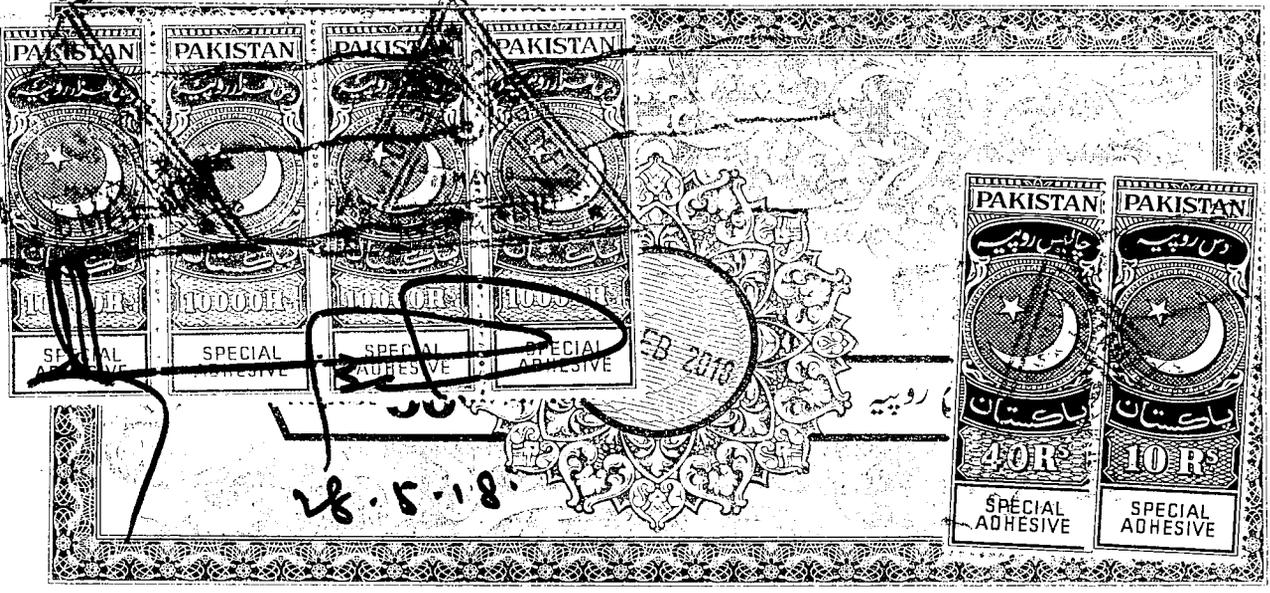
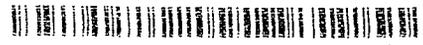
WHEREAS the procuring agency invited bids for procurement of below mentioned item in pursuance whereof (M/s Verizon, being the Manufactures / Authorized Supplier / Authorized Agent of:

Item No.	Name of Item	Qty	Rate (FOR)	Total Amount
1	PAEDS CYSTOSCOPE WITH BRIDGE	01	1,012,500.00	1,012,500.00
Total Amount(PKR): 1,012,500/=				

WHEREAS the purchaser has accepted the bid by the supplier for the supply of above mentioned items in the sum of total Rs. 1,012,500/= (Ten Lacs Twelve Thousand Five Hundred Rupees Only) in subject to releases and availability of funds at the disposal of procuring agency therefore supply orders will be issued as per need and availability of funds within bid validity period.

Now this Contract Witness as Follows:

1. In this agreement words and expressions shall have the same meanings as are respectively assigned to them in the general condition of this Contract hereinafter referred to.
2. In consideration of the payments to be made by the purchaser to the supplier / manufacturer as hereinafter mentioned, the supplier/manufacture hereby covenants with the purchaser to provide the goods namely and to remedy defects therein conformity in all the respects with the provision of this contract or make replacement of defective goods as the case may be, without any additional charge, to the satisfaction of the purchaser.
3. Second party confirmed/agreed that the goods supplied under this contract shall conform to the standards mentioned in the technical specifications of the bid document, and, appropriate to the goods country of origin mentioned in bid document.
4. Second party confirmed/agreed for 03-Years free service including warranty from the date of installation and further 02 Years free service without parts as per terms & conditions of bid document. Additionally assurance for the availability of spare parts for at least 08 – 10 years may also be available.
5. Second party undertaking that items provided to procuring agency are not used/repaired/refurbished or defected medical equipment. If such case happened then, the firm will be blacklisted and performance security will be forfeited.
6. Second party confirmed/agreed that the goods /supplied item fail to conform to the specifications, the procuring agency may reject the items, and the second party shall agreed either replace the rejected goods or free of cost to the procuring agency.
7. Second party confirmed/agreed for free transportation, installation, installation along with all accessories including labor charges/demonstration at consignee end must be borne by us.
8. The supplier will be bound to train nominated technical personnel (inland/outland) to operate/repair and maintain the supplied equipment.
9. If the second party fails to attain completion of the supply or installation within the time for completion, he shall pay to the purchaser liquidated damages at the rate of 2% per month (0.5% per week) of the contract price, or the relevant part thereof. The aggregate amount of such liquidated damaged shall in no event exceed 10% of the bid amount. Once the "Maximum Limit" is reached, the purchaser may consider termination of the contract.
10. The bidder deposit performance security as under in shape of call deposit / pay order in favour of Director JIMS, Jacobabad at the rate of 5% of the value of the contract.
11. Stamp duty @0.3% shall be borne by the 2nd party.
12. M/s. VERIZON also agreed to supply and accepts the said item at the rates for contracted quantity within the stipulated period shown in the contract.
13. M/s. VERIZON understand and confirm the refund of cost different if the same good is/was supplied at lower rates to any other Government / Semi Government Institution in the Province in same fiscal year or quoted rates are higher than other institutions.
14. If the supplier provides substandard item, Refurbished item or fails to provide the items the purchaser has reserve the right the contract may be cancelled at any stage on (M/s. VERIZON) cost and risk and blacklisted to company.



MUHAMMAD HANIF STAMP VENDOR
 Licence No. 70, Seal No. 52, City Court Karachi.
 S. No. 12925 DATE
 ISSUED TO WITH ADDRESS Ghulam Habib
 THROUGH WITH ADDRESS Advocate
 PURPOSE
 VALUE RS (ATTESTED) 7
 STAMP VENDOR'S SIGNATURE

20 FEB 2018

PAKISTAN POST OFFICE, City Court

20 FEB 2018

28 MAY 2018

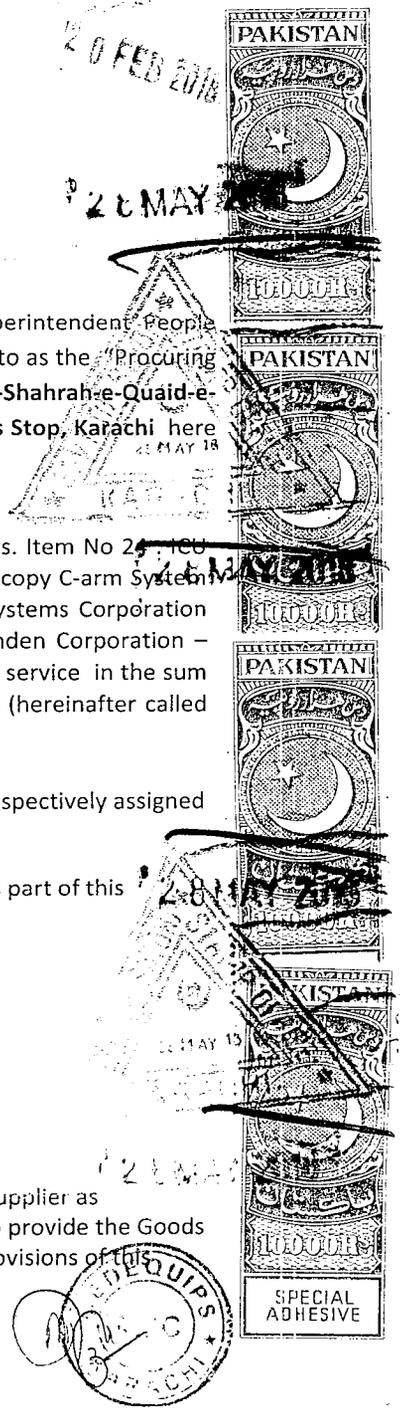
CONTRACT AGREEMENT

This agreement made this day of 28-05-18 between "The Medical Superintendent People's Medical College Hospital Nawabshah- Shaheed Benazirabad" here in after referred to as the "Procuring Agency" of the ONE PART, and M/s MEDEQUIPS SMC, having Head office at 30-Shahrah-e-Quaid-e-Azam, Lahore and branch office at 49-D, Block-6, P.E.C.H.S, near Main Nursery Bus Stop, Karachi here in after called the "Supplier" of the OTHER PART.

WHEREAS the Procuring Agency invited bids for certain goods and ancillary services. Item No 24 ICU Beds Electric Model "CA-54380X" by Paramount Bed Co, Japan, Item No.27 Fluoroscopy C-arm System Model Surginix "SXT-2000A/E1" by Toshiba (A Canon Group Company) Medical systems Corporation and Item No 52 Cardiac Monitors Lifescope-VS Model "BSM 3562" by Nihon Kohden Corporation - Japan and has accepted the bid by the Supplier for the supply of those goods and service in the sum of Rs.28,550,000 (Rupees Twenty Eight Million Five Hundred Fifty Thousand Only) (hereinafter called the contract price")

- 1 In this agreement words and expressions shall have the same meanings as are respectively assigned to them in the General Conditions of this Contract hereinafter referred to
- 2 The following documents shall be deemed to form and be read and construed as part of this agreement, viz-
 - a. The Bid form and price Schedule submitted by the bidder.
 - b. The Schedule of Requirements:
 - c. The technical Specification:
 - d. The General Conditions of Contract:
 - e. The Special Conditions of Contract:
 - f. The Procuring Agency's Notification of Award:

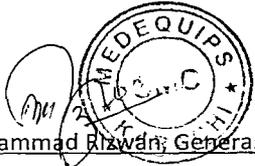
3. In consideration of the payments to be made by the Procuring Agency to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring Agency to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of this Contract.



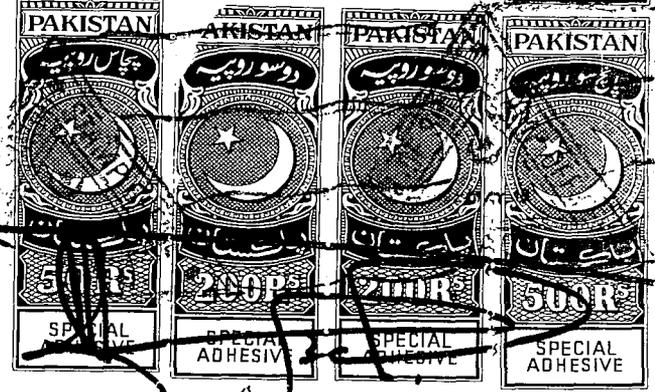
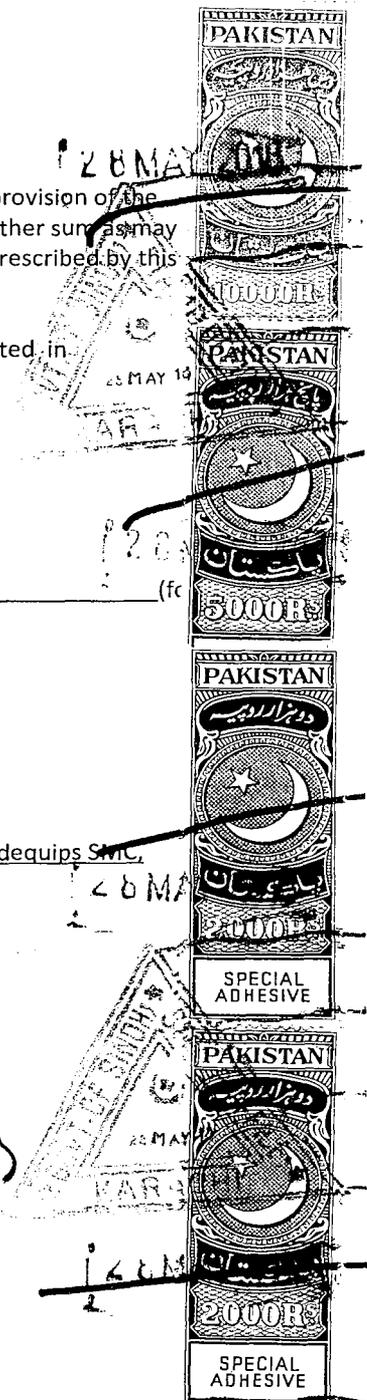
4 The Procuring Agency hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of this Contract at the time and in the manner prescribed by this Contract.

IN WITNESS, Whereof the Parties hereto has caused this agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed and delivered by _____ the _____ (for the procuring agency)



Signed, sealed and delivered by Muhammad Rizwan, General Manager Sales-M/s Medequips Swc, Karachi (for the supplier)



OFFICE SUPERINTENDENT
Stamp Office, City Court,
Karachi 28 MAY 2018

28.5.18

Medequips SMC certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with Procuring Agency (PA), and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

Medequips SMC accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to Procuring Agency (PA), under any law, contract or other instrument, be voidable at the option of Procuring Agency (PA).

Notwithstanding any rights and remedies exercised by Procuring Agency (PA), in this regard, Medequips SMC agrees to indemnify Procuring Agency (PA), for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to Procuring Agency (PA), in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by Medequips SMC as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from Procuring Agency (PA).

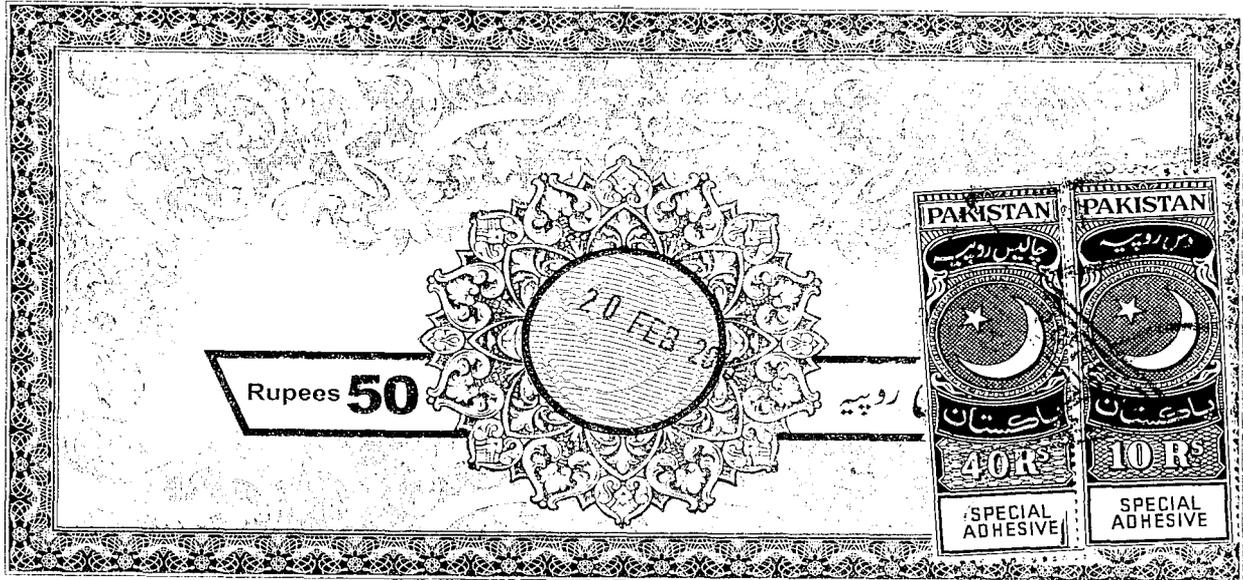
PROCURING AGENCY

Medical Superintendent
People Medical College Hospital,
Nawabshah- Shaheed Benazirabad.

SUPPLIER /CONTACTOR



Muhammad Rizwan Marfani
General Manager (Sales)
Medequips SMC, 49-D, Block-6,
P.E.C.H.S, Near Main Nursery Bus Stop,
Karachi.



MUHAMMAD HANIF STAMP VENDOR
 Licence No. 70, Seal No. 52, City Court Karachi.
 S. No. 12924 DATE
 ISSUED TO WITH ADDRESS Ghulam Habib
 THROUGH WITH ADDRESS Advocate
 PURPOSE
 VALUE RS (ATTESTED) 12
 STAMP VENDOR'S SIGNATURE

20 FEB 2018

OFFICE OF THE STAMP VENDOR
 Office, City Court
 Karachi

20 FEB 2018

23th May, 2018

Integrity Pact

DECLARATION OF FEES, COMMISSIONS AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS / CONTRACTORS/CONSULTANTS

Advance Acceptance: MS / SB-NWB / 13022 / 25 for ICU Beds Electric Model "CA-54380X" by Paramount Bed Co, Japan, Fluoroscopy C-arm System Model Surginix "SXT-2000A/E1" by Toshiba (A Canon Group Company) Medical systems Corporation and Cardiac Monitors Lifescope-VS Model "BSM 3562" by Nihon Kohden – Japan.

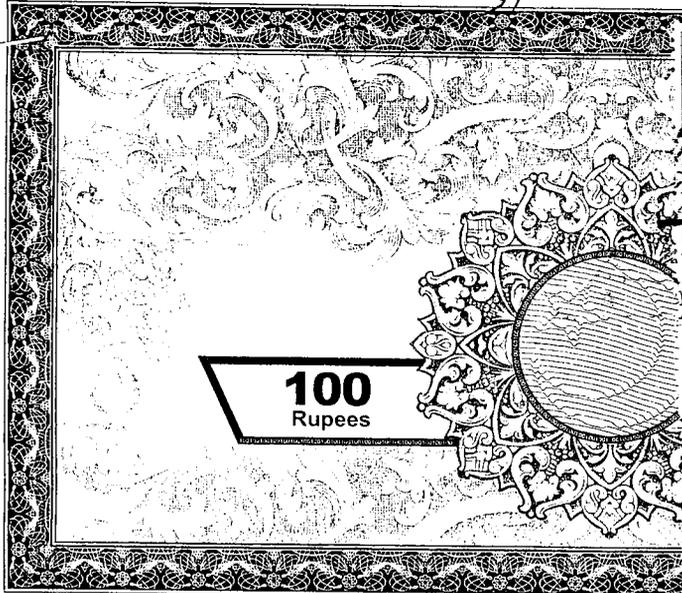
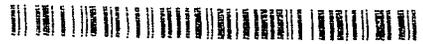
Dated: 19-5-2018

Contract Value: Rs. 28,550,000 /- (Rupees Twenty Eight Million Five Hundred Fifty Thousand Only)

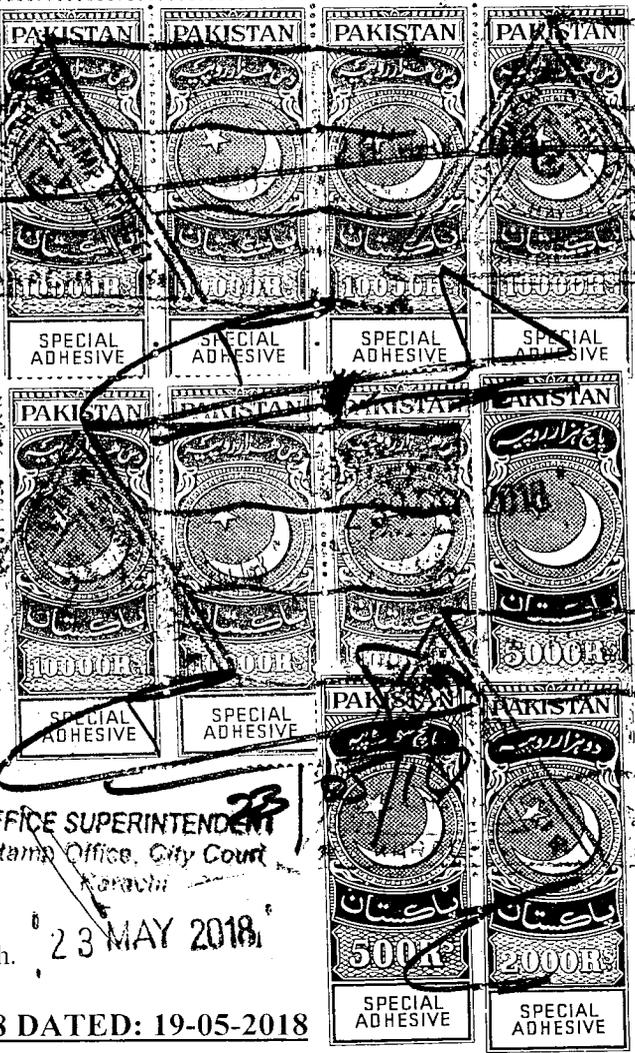
Contract Title: **SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18-(PMC), NAWABSHAH-SHAHEED BENAZIRABAD.**

M/s. Medequips S.M.C., located at 30, Shahrah-e-Quaid-e-Azam, Lahore having its branch office at Banglow No. 49-D, Block 6 P.E.C.H.S Karachi, hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GOS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (Government of Sindh) through any corrupt business practice.

Without limiting the generality of the foregoing, Medequips SMC represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or including the procurement of contract, right, interest, privilege or other obligation or benefits in whatsoever form, from Procuring Agency (PA), except that which has been expressly declared pursuant hereto.



100
Rupees



ZESHAN STAMP VENDOR
Licence No. 144, Shop No. A-5, Floor-17, Ruda Heights
Phase-2, Gulistan-e-Johar, Karachi

16 MAY 2018

S. No. **084672**
Issued to With Ad. **TANA SIDDIQUI**
Through With Address **ADVOCATE**
City **ISMAILI**

OFFICE SUPERINTENDENT
Stamp Office, City Court
Karachi

23 MAY 2018

FOR (FOR BASIS)

Medical Superintendent Peoples,
Medical College Hospital Nawabshah.

NO.

PMCHN/Account(SBA)13007/10-OF-2018 DATED: 19-05-2018

Contract Agreement

FOR THE SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENTS, AND MACHINERY & GENERAL ITEMS FOR THE YEAR 2017-18 (PMC HOSPITAL) NAWABSHAH SHAHEED BENAZIRABAD.

The contract for the supply for under mentioned MACHINERY / EQUIPMENT through SNE is Medical Superintendent PMCH Nawabshah here is after called THE PURCHASE AND M/s. ENDO-KARI Karachi. Here in after called THE VENDOR.

- The vendor should submit security money / performance security, which is equal 3% of the value Of Purchase Order to the Accounts Section of Medical Superintendent PMCH Nawabshah in shape of pay order in favour of Medical Superintendent PMCH Nawabshah. The security money will be refund after 15 days of supply.
- The VENDOR will supply, install, commissioning and demonstrate the under mentioned item(s) to THE PURCHASE with in stipulated time on the rate (FOR Basis) mentioned against each which was quoted by the VENDOR in the tender and as per terms and condition of tender.

Tender No.	Description of Item	Make	Qty Order	Rate
25	Therapeutic Hysteroscopy	Olympus Germany	01No.	2645,000/=
49	Endoscope unit for upper & Lower G.GI	F-H1701 Olympus Japan	01No.	1,4825,000
50	Colposcope	OCS-500 Olympus Japan	01No.	4,750,000/=
Twenty Two Million Two Hundred Thousand Only.			TOTAL A	22,220,000/=



3. In case of delay a penalty will be imposed @ 0.1% per day of the value to item(s) subject to a maximum of 10% which will be deducted from the bill / security money.
4. In case of non-supply, action will be taken against the supplier they might be black listed and their security money will be forfeited to the Government Accounts.
5. The warranty period is of 1 year as per tender, which will be start from the date of satisfactory installation duly signed by the end user.
6. The equipment will hand over to the Store section, PMCH then deliver to the concerned department then supplier will install and put it operational.
7. The equipment to be supplied accomplished with original copy of operational, maintenance service manual in English language.
8. The supplier should submit the bill / invoice for payment addressed to the Medical Superintendent PMCH Nawabshah along with following documents.
 - i. Three Copies of Bill / Invoice.
 - ii. Three Copies of Delivery Challan duly signed by Instrument Section.
 - iii. Three Copies of Purchase Order.

The Contract / agreement has signed on 23-05-2018

(PURCHASER)

**MEDICAL SUPERINTENDENT
PMCH NAWABSHAH**



(VENDOR)

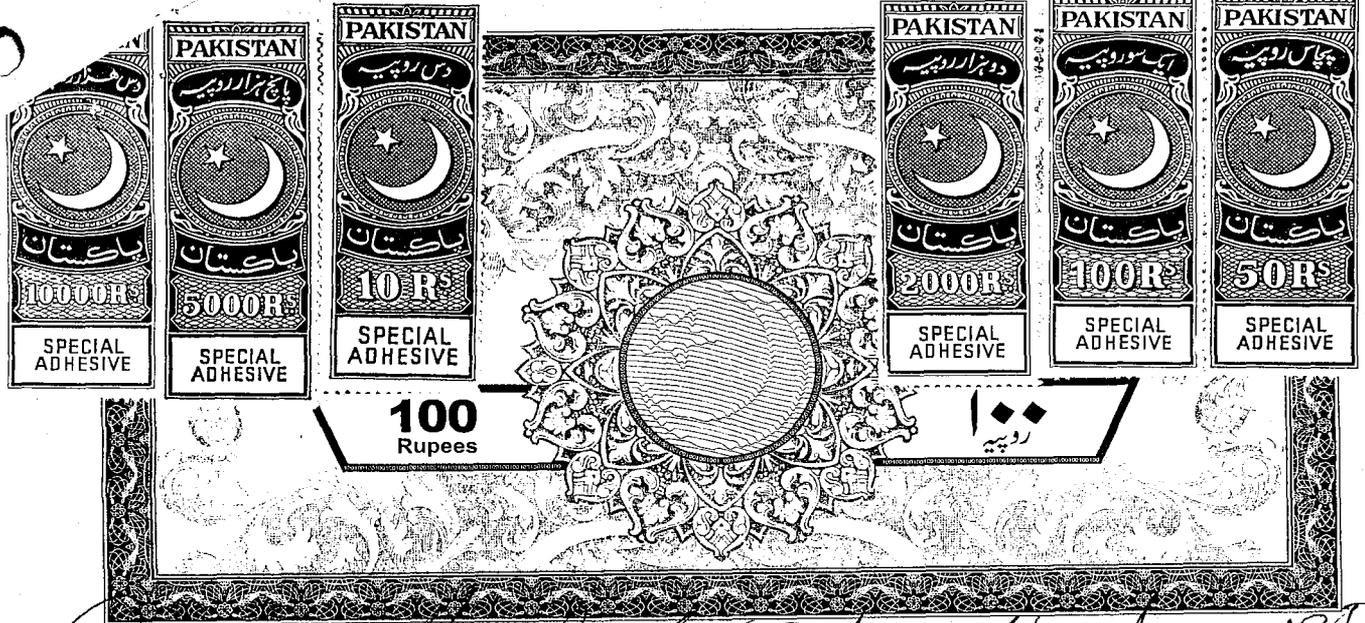
**ENDO-KARE
KARACHI**

1. Witness _____

1. Witness _____



5639



SHAIKH MOHSIN
Govt. Stamp Vendor
Shed No. 1 Session

M/S Popular International
CONTRACT AGREEMENT

09 APR 2018

Reference No: PMCHN/Account (SBA)- 12997/13000/ of 2018 dated 19th 05, 2018
THIS AGREEMENT Made at Peoples Medical College Hospital Nawabshah (SBA) on 21 day of May 2018 between The Medical Superintendent PMCH Nawabshah (SBA) of Pakistan herein after referred to as the MS PMCH of the one part; and M/S Popular International (Pvt) Ltd of Hyderabad Pakistan (herein after called the supplier) of the other part.

WHEARAS the Procuring agency invite bids for certain goods and ancillary services .viz (Item No 12 Laparoscope Complete set, Item No 45 Binocular Microscope, Item No 46 Centrifuge Machine) and has accepted the bid the Popular International (Pvt) Ltd for the supply of goods and service in the sum of (Rs: 5,720,000.00 Rupees Five million seven hundred twenty thousand only) hereinafter called the contract price

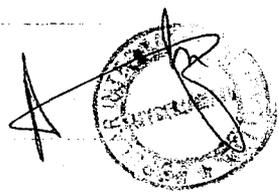
Now this contract as follows

1. In this contract words and expression shall have the same meanings as are respectively assigned to them in the general condition of this contract hereinafter referred to .
2. The following documents shall be deemed to form and be read and construed as an integral part of this Contract.
 - a. the Price Schedule submitted the Bidder.
 - b. the Schedule of Requirements:
 - c. the Technical Specifications:
 - d the General Conditions of Contract:
 - e. the Special Conditions of Contract:
 - f. the Procuring Agency's notification of Award:
3. in consideration of the payments to be made by the purchaser to the supplier as hereinafter mentioned, the supplier hereby convenient with purchaser to provide the goods namely and remedy the effects therein conformity in all respects with the provision of contract or make replacement of defective goods as the case may be without any additional charge to the satisfaction of the purchaser.
4. The purchaser hereby covenant to pay the supplier in consideration of the provision of the goods and services and remedying of the defects therein, the contract price payable under the provision of the contract at the time and in the manner prescribed in the contract.

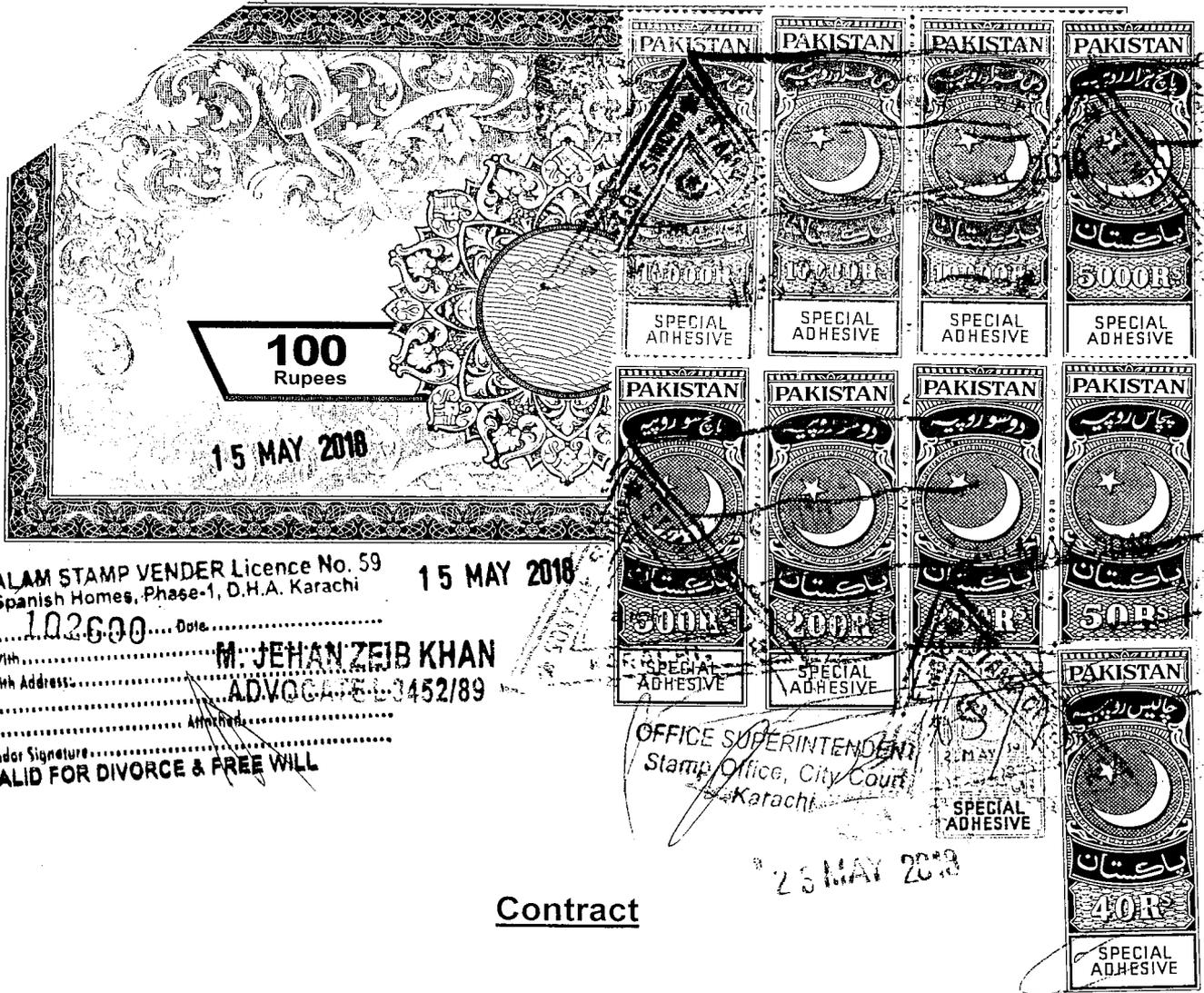
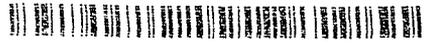
IN WITNESS WHEREOF the parties here to have caused this agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed, delivered by -----the-----
(MS PMCH Nawabshah)

Signed, sealed, delivered by -----the-----
(For the M/S Popular international Pvt Ltd)



5,993/2 186



AZAM ALAM STAMP VENDER Licence No. 59
 G-7, Spanish Homes, Phase-1, D.H.A. Karachi

S. No. 102600 Date 15 MAY 2018

Issued To With M. JEHAN ZEIB KHAN

Through With Address ADVOCATE TEL: 3452/89

Purpose NOT VALID FOR DIVORCE & FREE WILL

Value Rs. 102600 Attached

Stamp Vendor Signature [Signature]

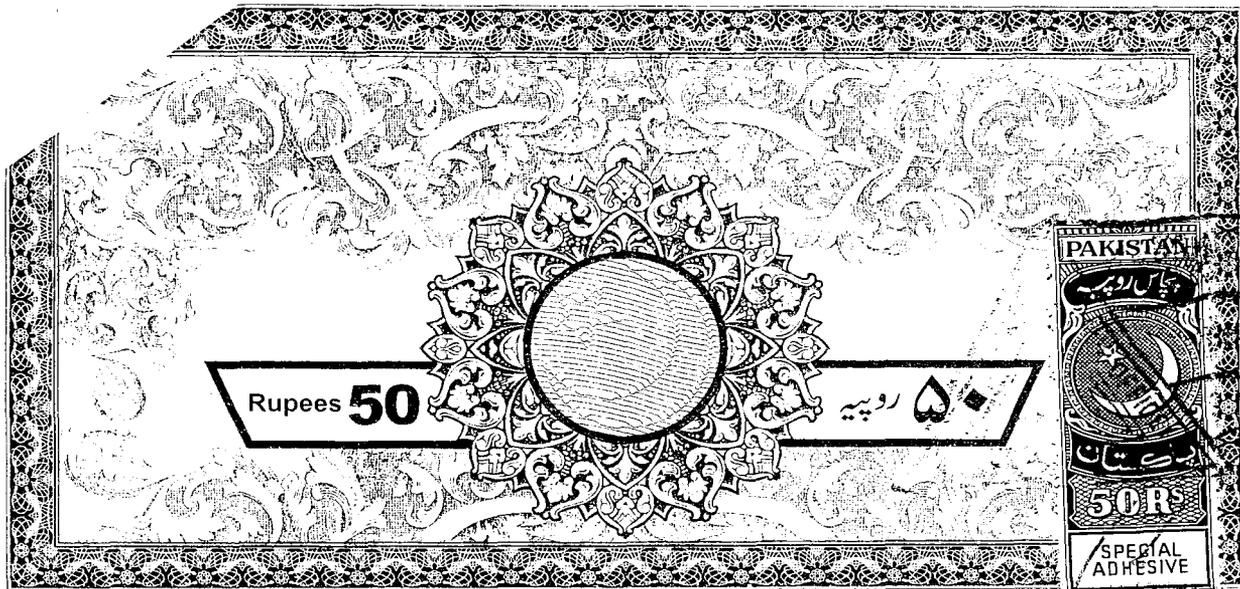
Contract

THIS AGREEMENT made the ___ day of May 2018 between **Medical Superintendent, People Medical College Hospital Nawabshah-Shaheed Benazirabad-Pakistan** (hereinafter called "the Procuring agency") of the one part and **M/s. BIOS, 2nd Floor, 2C, 12th Commercial, Phase II extension, D.H.A., Karachi-Pakistan** (hereinafter called "the Supplier") of the other part:

WHEREAS the Procuring agency invited bids for certain goods and ancillary services, viz., **Supply & Installation of Medical Equipment, Instruments, Machinery & General Items for the Year 2017-2018** and has accepted a bid by the Supplier for the supply of those goods and services in the sum of **Rs. 11,997,500.00** in words Pak Rupees: **Eleven Million Nine Hundred Ninety Seven Thousand and Five Hundred Only** (hereinafter called "the Contract Price") as follows:

Item No.	Item Description	Model	Brand	Qty.	Unit Price	Total Price
05	Defibrillator	R-700	Osatu-Spain	10	Rs. 512,600/-	Rs. 5,126,000/-
17	Pulse Oximeter	CLEO	Infinium-USA	05	Rs. 154,300/-	Rs. 771,500/-
31	B&W Ultrasound Machine	A6	Sonoscape-China	05	Rs. 595,000/-	Rs. 2,975,000/-
32	Laptop High End Color Doppler Ultrasound Machine	X5	Sonoscape-China	01	Rs. 3,125,000/-	Rs. 3,125,000/-
TOTAL						Rs. 11,997,500/-

[Signature]



MUKHTAR ALI STAMP VENDOR
Licence # 22, Shop # 60, Opp. Site Market
Opp. NAORA Office, S.I.T.E., Karachi.
S.No. **57549** DATE.....
ISSUED WITH ADDRESS.....
PURPOSE.....
VALUE RS..... (ATTACHED)
STAMP VENDOR'S SIGNATURE.....
This Stamp paper is not valid for Divorce and Free Will purposes

20 APR 2018

Muhammad Yousuf
Advocate

OFFICE SUPERINTENDENT
Stamp Office, Ch, ...
(RUPEES FIFTY ONLY)

10 MAY 2018

INTEGRITY PACT

Contract Number: MS/SB-NWB/-12981/84, dated 19-05-2018.
Contract value: Rs. 11,997,500/- (Eleven Million Nine Hundred Ninety Seven Thousand and Five Hundred Only)
Contract Title: Supply & Installation of Medical Equipment, Instruments, Machinery & General Items.

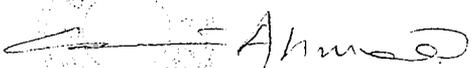
BIOS hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation nor benefit from Government of Sindh (GoS) or any administration subdivision or agency therefore or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, BIOS represents and warranty's that it has fully declared the brokerages, commission, gee etc pair or payable to any one and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan wither directly or indirectly through any natural or juridical person, including its affiliates, agent associate, broker , consultant, director, promoter, shareholder, sponsor of subsidiary and commission , gratification, bribe, finder's fee of kickback , whether describes as consultation fee or otherwise, with the object of obtaining or inducing the procurement f a contract light, interest, privilege or other obligation or benefit , in whatsoever from procuring agency (PA) except that which been expressly declared pursuant hereto.

BIOS certifies that it has made and will make full disclosure of all agreement and arrangements with all person in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

BIOS accepts full responsibility and strict liability for making any false deflation , not making full disclosure, misinterpreting facts or taking any action likely to defect the purpose of this declaration, presentation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without rejoyce to any other rights and remedies available to PA under any law, contract or other instrument be voidable at the option of PA.

Medical Superintendent,
People Medical College Hospital
Nawabshah-Shaheed,
Benazirabad-Pakistan


Munir Ahmed - CEO
M/s. BIOS,
2C, 2nd Floor, 12 Commercial,
Phase II ext., D.H.A., Karachi

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the General Conditions of this Contract hereafter referred to:
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) the Bid Form and the Price Schedule submitted by the Bidder;
 - (b) the Schedule of Requirements;
 - (c) the Technical Specifications;
 - (d) the General Conditions of Contract;
 - (e) the Special Conditions of Contract; and
 - (f) the Procuring agency's Notification of Award.
3. In consideration of the payments to be made by the Procuring agency to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring agency to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Procuring agency hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by this contract.

IN WITNESS whereof the parties here to have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Procuring Agency

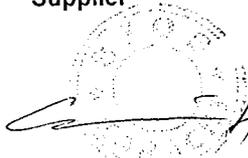
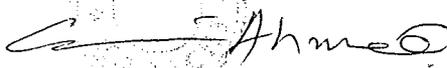
Medical Superintendent,
People Medical College Hospital
Nawabshah-Shaheed,
Benazirabad-Pakistan

Contact No.

Witness

Name, Sign & CNIC No

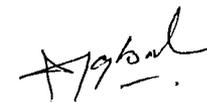
Supplier

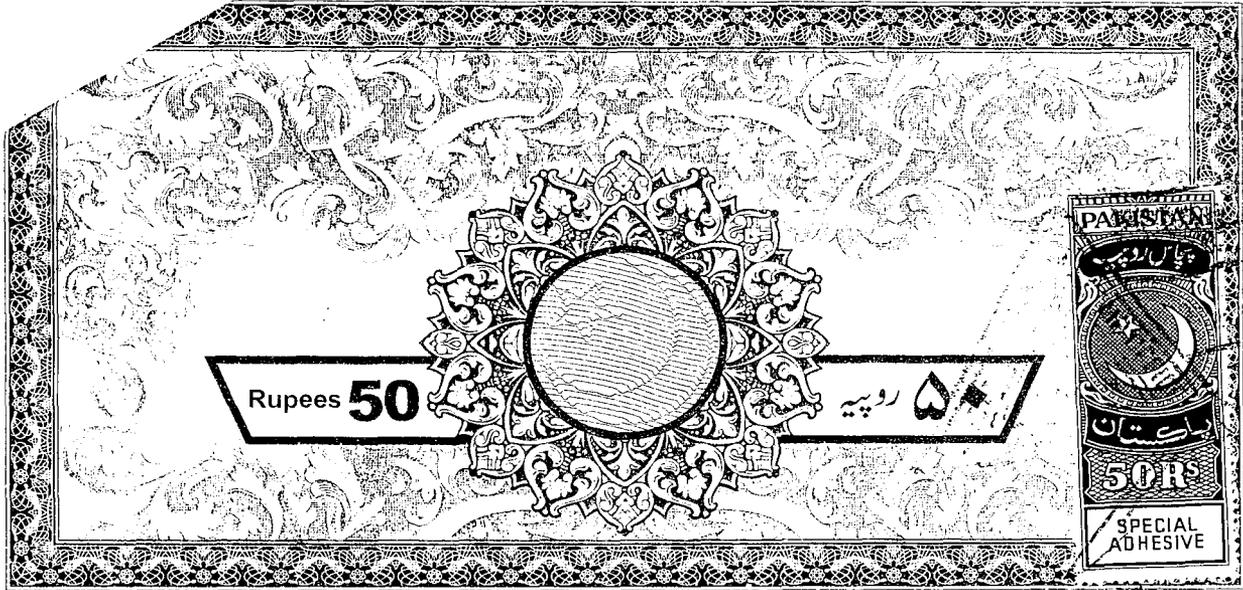
Munir Ahmed - CEO
M/s. BIOS,
2C, 2nd Floor, 12 Commercial,
Phase II ext., D.H.A., Karachi
0345-2383771

Contact No.

Witness



ADIL IQBAL

Name, Sign & CNIC No
42101-8267708-9



MUKHTAR ALI STAMP VENDOR

Licence # 22, Shop # 60, Opp. Site Market

Opp. NADRA Office, S.I.T.E., Karachi.

S.No. 1548.....DATE.....

ISSUED WITH ADDRESS.....

THROUGH WITH ADDRESS.....

PURPOSE.....

VALUE RS.....(ATTACHED).....

STAMP VENDOR'S SIGNATURE.....

This Stamp paper is not valid for Divorce and Free Will purposes

Muhammad Yousuf
Advocate

OFFICE SUPERINTENDENT
Stamp Office, City Court
Karachi

ISSUED FIFTY ONLY
10 MAY 2018

INTEGRITY PACT

- Contract Number: PMCHN / Account (SBA)/-12977/80/-OF2018 dated 19-05-2018.
- Contract value: Rs. 16,202,000/- (Sixteen Million Two Hundred and Two Thousand Only)
- Contract Title: Supply & Installation of Medical Equipment, Instruments, Machinery & General Items.

BIOS hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation nor benefit from Government of Sindh (GoS) or any administration subdivision or agency therefore or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, BIOS represents and warranty's that it has fully declared the brokerages, commission, gee etc pair or payable to any one and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan wither directly or indirectly through any natural or juridical person, including its affiliates, agent associate, broker, consultant, director, promoter, shareholder, sponsor of subsidiary and commission, gratification, bribe, finder's fee of kickback, whether describes as consultation fee or otherwise, with the object of obtaining or inducing the procurement f a contract light, interest, privilege or other obligation or benefit, in whatsoever from procuring agency (PA) except that which been expressly declared pursuant hereto.

BIOS certifies that it has made and will make full disclosure of all agreement and arrangements with all person in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

BIOS accepts full responsibility and strict liability for making any false deflation, not making full disclosure, misinterpreting facts or taking any action likely to defect the purpose of this declaration, presentation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without rejoice to any other rights and remedies available to PA under any law, contract or other instrument be voidable, at the option of PA.

Medical Superintendent,
People Medical College Hospital
Nawabshah-Shaheed,
Benazirabad-Pakistan

Munir Ahmed

Munir Ahmed - CEO
M/s. BIOS,
2C, 2nd Floor, 12 Commercial,
Phase II ext., D.H.A., Karachi

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the General Conditions of this Contract hereafter referred to:
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) the Bid Form and the Price Schedule submitted by the Bidder;
 - (b) the Schedule of Requirements;
 - (c) the Technical Specifications;
 - (d) the General Conditions of Contract;
 - (e) the Special Conditions of Contract; and
 - (f) the Procuring agency's Notification of Award.
3. In consideration of the payments to be made by the Procuring agency to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring agency to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Procuring agency hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by this contract.

IN WITNESS whereof the parties here to have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Procuring Agency

Medical Superintendent,
People Medical College Hospital
Nawabshah-Shaheed,
Benazirabad-Pakistan

Contact No.

Witness

Name, Sign & CNIC No

Supplier




Munir Ahmed - CEO
M/s. BIOS,
2C, 2nd Floor, 12 Commercial,
Phase II ext., D.H.A., Karachi
0345-2383771

Contact No.

Witness



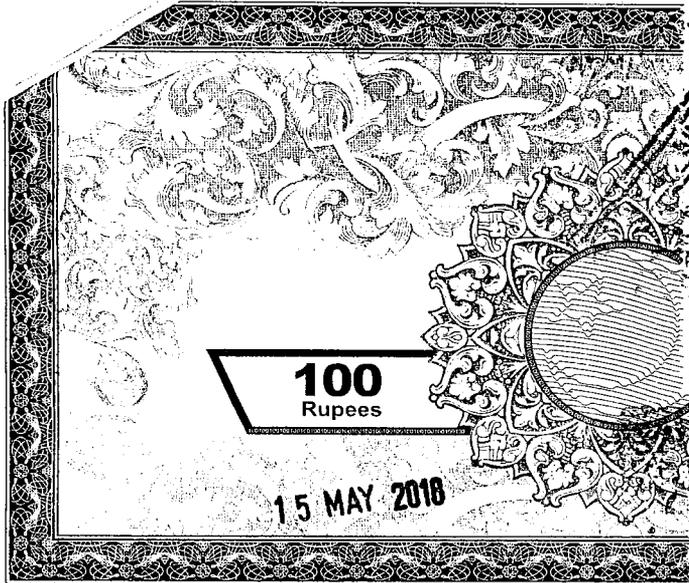
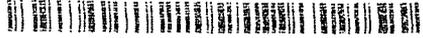
ADIL IQBAL

Name, Sign & CNIC No
42101-8267708-9



48,606/-

157



AZAM ALAM STAMP VENDER Licence No. 59
G-7, Spanish Homes, Phase-1, D.H.A. Karachi

15 MAY 2018

S. No. 102601 DM. JEHAN ZEIB KHAN
Issued To With
Through With Address: ADVOCATE TEL: 3452/89
Purpose
Value Rs. Attached
Stamp Vendor Signature
NOT VALID FOR DIVORCE & FREE WILL

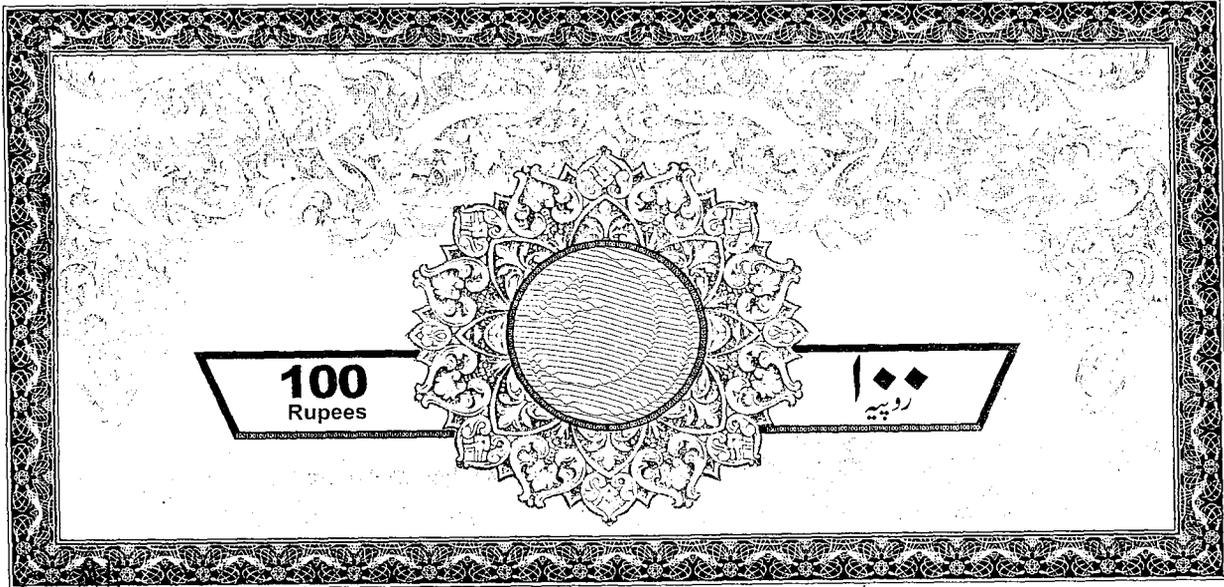
OFFICE SUPERINTENDENT
Stamp Office, City Court
Karachi
23 MAY 2018

Contract

THIS AGREEMENT made the ___ day of May 2018 between **Medical Superintendent, People Medical College Hospital Nawabshah-Shaheed Benazirabad-Pakistan** (hereinafter called "the Procuring agency") of the one part and **M/s. BIOS, 2nd Floor, 2C, 12th Commercial, Phase II extension, D.H.A., Karachi-Pakistan** (hereinafter called "the Supplier") of the other part:

WHEREAS the Procuring agency invited bids for certain goods and ancillary services, viz., **Supply & Installation of Medical Equipment, Instruments, Machinery & General Items for the Year 2017-2018** and has accepted a bid by the Supplier for the supply of those goods and services in the sum of **Rs. Rs. 16,202,000.00** in words Pak Rupees: **Sixteen Million Two Hundred and Two Thousand Only** (hereinafter called "the Contract Price") as follows:

Item No.	Item Description	Model	Brand	Qty.	Unit Price	Total Price
33	Radiography System with DR	N 50HF	Stephanix-France	01	Rs. 16,202,000/-	Rs. 16,202,000/-
TOTAL						Rs. 16,202,000/-



BZOS Karachi

CONTRACT AGREEMENT

This agreement is made on this 28th day of May, 2018 between peoples Medical college Hospital Nawabshah, Shaheed Benazir Abad herein after called the "The Purchaser" and M/S Bios Karachi located at 2nd Floor, Building No. 2C 12 Commercial, Phase-II D.H.A Karachi herein after called "The Supplier".

Whereas the purchaser is desirous that certain goods should be provided by supplier and whereas the supplier has agreed to provide as per his quoted rates, which has been accepted by purchaser for the supply of following goods in the sum of Rs. 10,428,000/- (Rupees Ten Million Four Hundred Twenty eight Thousand Only) hereinafter "The Contract Price" as follows.

S.No	Item Description	Make	Qty	Unit Price	Total Price
1	Defibrillator	Spain	05	512,600.00	2,563,000.00
2	X-Ray Radiography System	France	01	5,610,000.00	5,610,000.00
3	Capnograph	USA	05	451,000.00	2,255,000.00
				Total	10,428,000

The delivery period will commence from the date of acceptance of the contract by the bidder.

Now this Agreement witnessed as follows:

1. In this Agreement words & expressions shall have the same meanings as are respectively assigned to them in the terms & conditions of contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this agreement, viz:
 - (a) The Bid form and the price schedule submitted by the Bidder;
 - (b) The schedule of requirements;
 - (c) The Technical Specifications;
 - (d) The General Conditions of Contract;
 - (e) The Special Conditions of Contract; and
 - (f) The Procuring agency's Notification of Award.

(2)

3. In consideration of the payments to be made by the purchaser, to the supplier as herein after mentioned, the supplier hereby convents with the purchaser to provide the goods and services and to remedy defects therein conformity in all respects with the provision of the contract.
4. The purchaser hereby convent to pay the supplier in consideration of the provision of the goods & services and the remedying of the defects therein, the contract price payable under the provision of the contract at the time in the manner prescribed in the contract.

PURCHASER

SUPPLIER

Signature & Seal

Signature & Seal

Name: _____

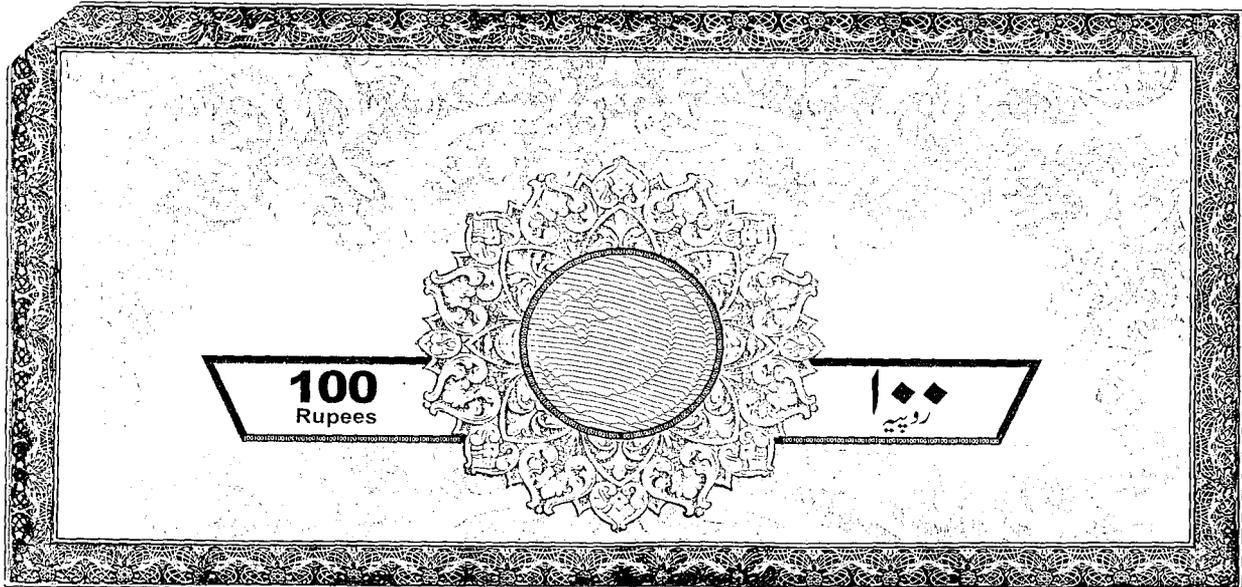
Name: _____

Designation: _____

Designation: _____

Address: _____

Address: _____



= 835 =

M/s. Lab Link Enterprises Private

21/5/2018

Mukhtar Ahmed Shaikh
Govt. Sindh Vendor
New GPO Sukkur
Date: 05/12/2018

INTEGRITY PACT

Contract Number: PMCHN / Account (SBA)/-13014/17/-2018 dated 19-05-2018
 Contract Value: Rs.18, 221,050.00 (EIGHTEEN Million TWO Hundred TWENTY ONE THOUSAND FIFTY)
 Contract Title: Supply & installation of Medical Equipment, Instruments, Machinery & General Items.

Lab Link Enterprises hereby declares that it has not obtained or induced the procurement of any contract, right, interest privilege or other obligation nor benefit from Government of Sindh (GoS) or any administration subdivision or agency therefore or any other entity owned or controlled by it (GoS) through any corrupt business practice.

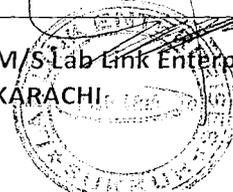
Without limiting the generality of the foregoing, Lab Link Enterprises represents and warranty's that it has fully declared the brokerages, commission, gee etc pair or payable to any one and not given or agreed to give and shall not give or agree to give to any within or outside Pakistan wither directly or indirectly through any natural or juridical person, including its affiliates, agent associate, broker, consultant, director, promoter, shareholder, sponsor of subsidiary and commission, gratification, bribe, finger's fee of kickback, whether describes as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract right, interest privilege or other obligation or benefit, in whatsoever from procuring agency (PA) except that which been expressly declared pursuant hereto.

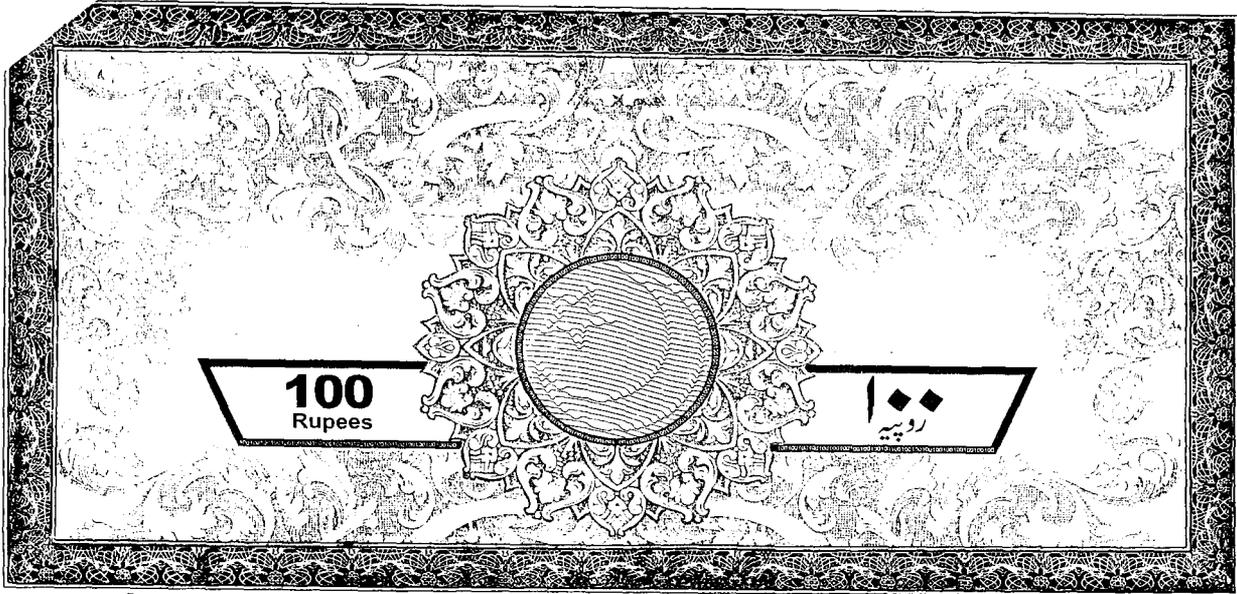
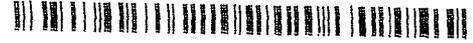
Lab Link Enterprises certifies that it has made and will make full disclosure of all agreement and arrangements with all person in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

Lab Link Enterprises accepts full responsibility and strict liability for making any false deflation, not making full disclosure misinterpreting facts or taking any action likely to defect the purpose of this declaration, presentation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without rejoice to any other rights and remedies available to PA under any law, contract or other instrument be voidable at the option of PA.

Medical Superintendent
 Peoples Medical College Hospital
 Nawabsha-Shaheed, Benazirabad

M/S Lab Link Enterprises
 KARACHI





No. 5806 -
 28/03/2018
 M/s. Lab Link Mer
 28 MAR 2018
 Medical Superintendent
 Nawabshah
 FOR (FOR BASIS)

Medical Superintendent Peoples
 Medical College Hospital Nawabshah

No. PMCHN/Account(SBA)/13014/17

Dated: 19-05-2018

CONTRACT / AGREEMENT

FOR THE SUPPLY OF MACHINERY / EQUIPMENT THROUGH (SNE) TO PMCH, NAWABSHAH FOR THE YEAR 2017-18

The contract for the supply for under mentioned MACHINERY / EQUIPMENT through SNE is Medical Superintendent PMCH Nawabshah here in after called THE PURCHASER and M/s. LAB LINK ENTERPRISES, Karachi here in after called THE VENDOR.

- The vendor should submit security money / performance security, which is equal of 3% of the value of Purchase Order to the Accounts Section of Medical Superintendent PMCH Nawabshah in shape of pay order in favour of Medical Superintendent PMCH Nawabshah. The security money will be refunded after 15 Days of Supply.

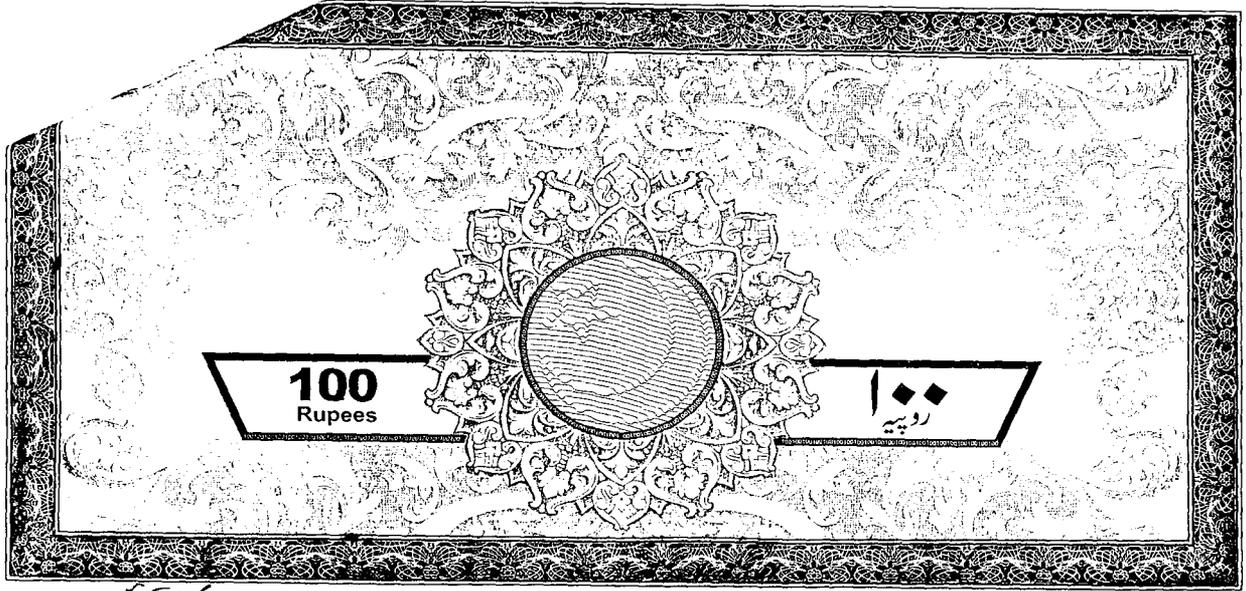
The VENDOR will supply, install, commissioning and demonstrate the under mentioned item(s) to THE PURCHASE with in stipulated time on the rate (FOR basis) mentioned against each, which was quoted by the VENDOR in the tender and as per terms and condition of tender.

Item No.	Item Description	Make/ Model	QTY	Rate (FOR)	Total Amount
/	Air Drill	CHINA	01	140,000.00	140,000.00
	Artery Forceps	CHINA	39	750.00	29,250.00
	Bone Cutter	CHINA	06	6,000.00	36,000.00
	Bone Elavtor	CHINA	06	2,000.00	12,000.00
	Bone Files	CHINA	09	3,000.00	27,000.00
	Bone Holding Forcep Large	CHINA	02	5,600.00	11,200.00
	Bone Nibble Large	CHINA	04	5,600.00	22,400.00
	Bone Nibble Medium	CHINA	04	5,600.00	22,400.00
	Bone Nibble Small	CHINA	04	5,600.00	22,400.00
	Cannulated Screw Set	CHINA	01	210,000.00	210,000.00
	Depth Gauge 3.5	CHINA	02	35,000.00	70,000.00
	Depth Gauge 4.5	CHINA	02	35,000.00	70,000.00
	DHS/DCS Set	CHINA	01	650,000.00	650,000.00

	Drill Guide 3.5	CHINA	02	15,000.00	30,000.00
	Drill Guide 4.5	CHINA	02	15,000.00	30,000.00
	Electric Drill Machine	CHINA	01	35,000.00	35,000.00
	Ellis Tissue Forcep	CHINA	10	1,800.00	18,000.00
	Examination Instrument	CHINA	09	10,000.00	90,000.00
	Hematology Machine	Swelab/ Martin Dow	01	950,000.00	950,000.00
	Hmabeez Knife Set	CHINA	01	70,000.00	70,000.00
	Hoffmen Rect Large	CHINA	01	3,600.00	3,600.00
	Hoffmen Rect Medium	CHINA	01	3,600.00	3,600.00
	Hoffmen Rect Small	CHINA	01	3,600.00	3,600.00
	Inter Locking Set	CHINA	01	650,000.00	650,000.00
	K.Nail Extractor Set	CHINA	02	14,000.00	28,000.00
	K.Nail Remer Set	CHINA	01	75,000.00	75,000.00
	Oscillating Saw	CHINA	01	390,000.00	390,000.00
	Plate Holding Forcep	CHINA	02	3,800.00	7,600.00
	Plate Holding Forcep	CHINA	02	3,800.00	7,600.00
	Plate Holding Forcep	CHINA	02	3,200.00	6,400.00
57	Vitrectomoy	Alcon/USA	01	14,500,000.00	14,500,000.00
				Total Amount	18,221,050.00



- In case of delay a penalty will be imposed @ 0.1% per day of the value to item(s) subject to a maximum of 10%, which will be deducted from the bill / security money.
- 4: In case of non-supply, action will be taken against the supplier they might be black listed and their security money will be forfeited to the Government Accounts.
 5. The warrantee period is of 1 year as per tender, which will be start from the date of satisfactorily installation duly signed by the end user.
 6. The equipment will hand over to the Store section, PMCH then deliver to the concerned department then supplier will install and put it operational.
 7. The equipment to be supplied accomplished with original copy of operational, maintenance / service manual in English language.



No. -5816-
 28/03/2018
 Muhammad Qasim Zaamro
 Director
 Near GPO
 FOR (FOR BASIS)

M/s Lab Link Sui E Amn ACo
 20 MAR 2018

Medical Superintendent Peoples
 Medical College Hospital Nawabshah

No. PMCHN/Account(SBA)/13050/53

Dated: 19-05-2018

CONTRACT / AGREEMENT

FOR THE SUPPLY OF MACHINERY / EQUIPMENT THROUGH (SNE) TO PMCH, NAWABSHAH FOR THE YEAR 2017-18

The contract for the supply for under mentioned MACHINERY / EQUIPMENT through SNE is Medical Superintendent PMCH Nawabshah here in after called THE PURCHASER and M/s. LAB LINK ENTERPRISES, Karachi here in after called THE VENDOR.

- The vendor should submit security money / performance security, which is equal of 3% of the value of Purchase Order to the Accounts Section of Medical Superintendent PMCH Nawabshah in shape of pay order in favour of Medical Superintendent PMCH Nawabshah. The security money will be refunded after 15 Days of Supply.
- The VENDOR will supply, install, commissioning and demonstrate the under mentioned item(s) to THE PURCHASE with in stipulated time on the rate (FOR basis) mentioned against each, which was quoted by the VENDOR in the tender and as per terms and condition of tender.

Item No.	Item Description	Make/ Model	QTY	Rate (FOR)	Total Amount
30	Ventilator	Ievent Medical/ 13 USA	06	2,786,500.00	16,719,000.00
Total Amount					16,719,000.00

- In case of delay a penalty will be imposed @ 0.1% per day of the value to item(s) subject to a maximum of 10%, which will be deducted from the bill / security money.
- In case of non-supply, action will be taken against the supplier they might be black listed and their security money will be forfeited to the Government Accounts.
- The warrantee period is of 1 year as per tender, which will be start from the date of satisfactorily installation duly signed by the end user.

6. The equipment will hand over to the Store section, PMCH. then deliver to the concerned department then supplier will install and put it operational.
7. The equipment to be supplied accomplished with original copy of operational, maintenance / service manual in English language.
8. The supplier should submit the Bill/ invoice for payment addressed to the Medical Superintendent PMCH Nawabshah along with following documents.

- i. Three Copies of Bill / Invoice
- ii. Three Copies of delivery challan duly signed by instrument Section.
- iii. Three copies of Purchase Order.



The Contract / agreement has signed on 21-05-2018.

(PURCHASER)
 MEDICAL SUPERINTENDENT
 PMCH NAWABSHAH

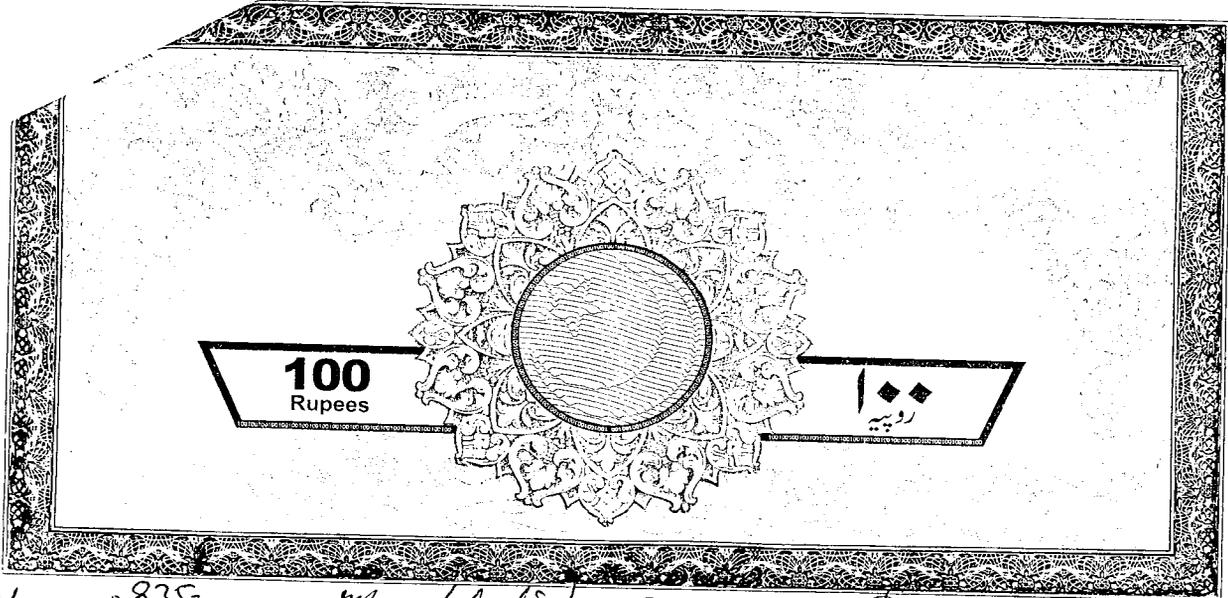
1. Witness _____

(VENDOR)
 M/S. LAB LINK ENTERPRISES
 KARACHI




1. Witness _____

ATTESTED
 21/05/18
 ADVOCATE GENERAL
 NOTARY PUBLIC SIKRUP



826 835
21/05/2018

M/s. Lab Link Enterprises, PMW

~~Auctioneer Ahmed Shahk~~
~~Govt Stamp Vendor~~
No. GPO Sukkur
Date: 05/20/18

INTEGRITY PACT

Contract Number: MS /SB-NWB/-13181/83/-2018 dated 23-05-2018
Contract Value: Rs.12, 224,500.00 (Twelve Million two hundred twenty four thousand five hundred)
Contract Title: Supply & installation of Medical Equipment, Instruments, Machinery & General Items.

Lab Link Enterprises hereby declares that it has not obtained or induced the procurement of any contract, right, interest privilege or other obligation nor benefit from Government of Sindh (GoS) or any administration subdivision or agency therefore or any other entity owned or controlled by it (GoS) through any corrupt business practice.

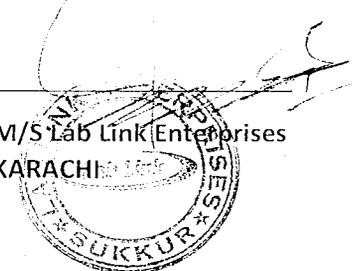
Without limiting the generality of the foregoing, Lab Link Enterprises represents and warranty's that it has fully declared the brokerages, commission, gee etc pair or payable to any one and not given or agreed to give and shall not give or agree to give to any within or outside Pakistan wither directly or indirectly through any natural or juridical person, including its affiliates, agent associate, broker, consultant, director, promoter, shareholder, sponsor of subsidiary and commission, gratification, bribe, finger's fee of kickback, whether describes as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract right, interest privilege or other obligation or benefit, in whatsoever from procuring agency (PA) except that which been expressly declared pursuant hereto.

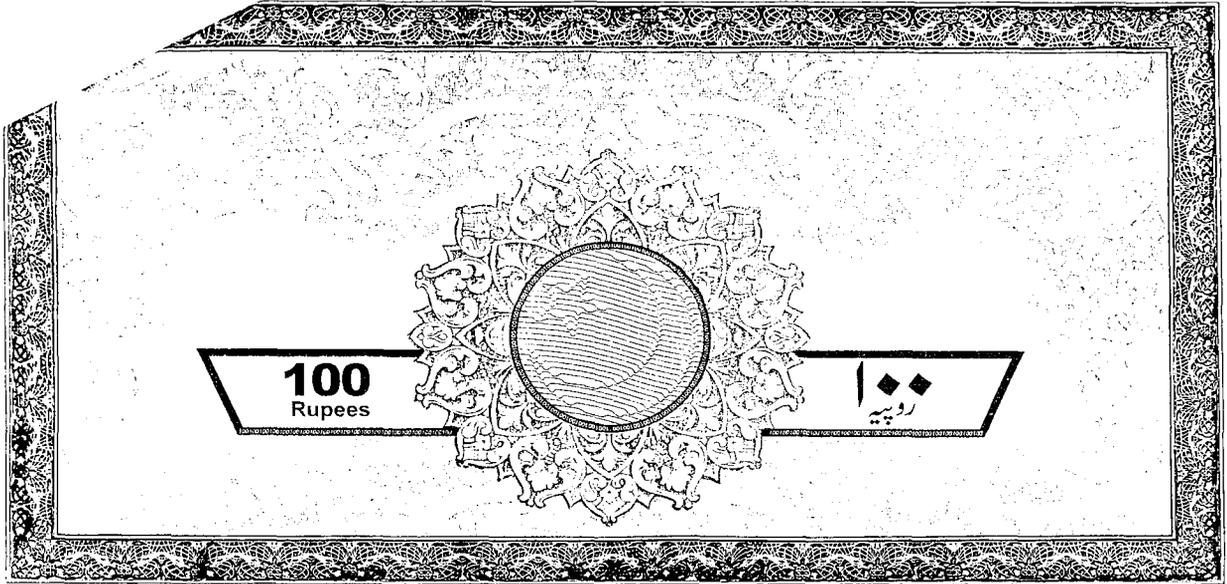
Lab Link Enterprises certifies that it has made and will make full disclosure of all agreement and arrangements with all person in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

Lab Link Enterprises accepts full responsibility and strict liability for making any false deflation, not making full disclosure misinterpreting facts or taking any action likely to defect the purpose of this declaration, presentation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without rejoice to any other rights and remedies available to PA under any law, contract or other instrument be voidable at the option of PA.

Medical Superintendent
Peoples Medical College Hospital
Nawabsha-Shaheed, Benazirabad

M/S Lab Link Enterprises
KARACHI





820 28353 m/s. Lab Link Enterprises Office
21/05/2018

Mudhar Ahmed Shahk
Gold Stamp Vendor
Near GPO Sukkur
Date: 05/20/18

INTEGRITY PACT

Contract Number: PMCHN / Account (SBA)/-13050/53/-2018 dated 19-05-2018
Contract Value: Rs.16, 719,000.00 (SIXTEEN Million SEVEN Hundred NINETEEN THOUSAND)
Contract Title: Supply & installation of Medical Equipment, Instruments, Machinery & General Items.

Lab Link Enterprises hereby declares that it has not obtained or induced the procurement of any contract, right, interest privilege or other obligation nor benefit from Government of Sindh (GoS) or any administration subdivision or agency therefore or any other entity owned or controlled by it (GoS) through any corrupt business practice.

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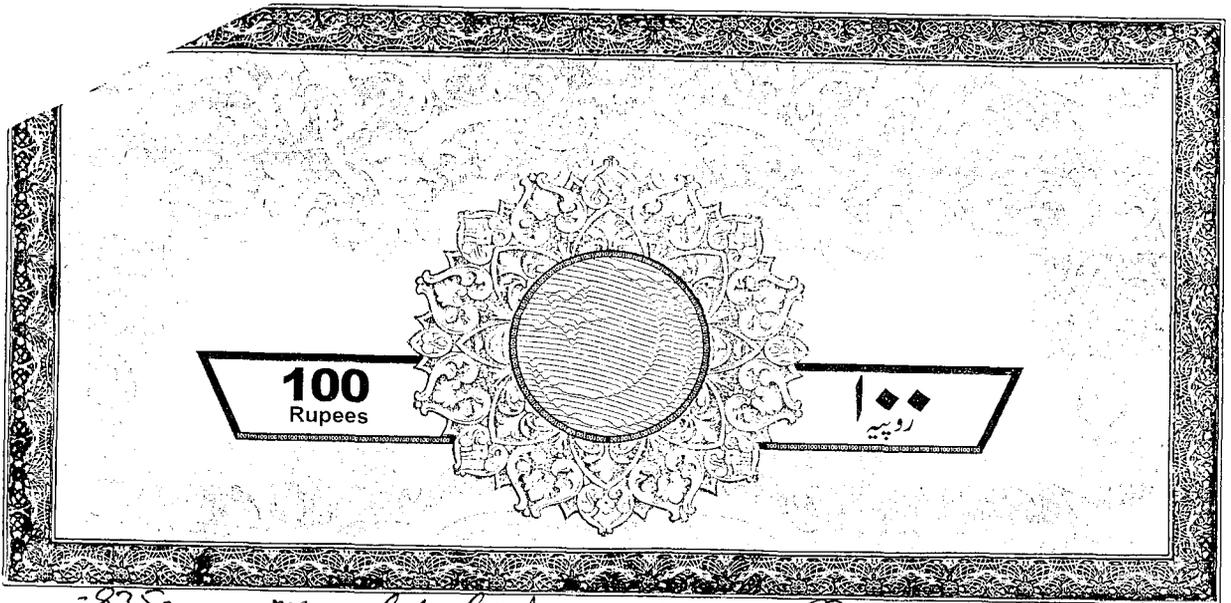
Lab Link Enterprises certifies that it has made and will make full disclosure of all agreement and arrangements with all person in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

Lab Link Enterprises accepts full responsibility and strict liability for making any false deflation, not making full disclosure misinterpreting facts or taking any action likely to defect the purpose of this declaration, presentation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without rejoice to any other rights and remedies available to PA under any law, contract or other instrument be voidable at the option of PA.

Medical Superintendent
Peoples Medical College Hospital
Nawabsha-Shaheed, Benazirabad

M/S Lab Link Enterprises
KARACHI





Pr. No. 835 m/s. Lab Link Enterprises
21/05/2018

Muhammad Ahmed Shahid
 Govt. Stamp Vendor
 Near GPO Sukkur
 Date: 05/05/18
 FOR (FOR BASIS)

Medical Superintendent Peoples
 Medical College Hospital Nawabshah

No. MS/SB-NWB/13181/83

Dated: 23-05-2018

CONTRACT / AGREEMENT

FOR THE SUPPLY OF MACHINERY / EQUIPMENT THROUGH (SNE) TO PMCH, NAWABSHAH FOR
 THE YEAR 2017-18

The contract for the supply for under mentioned MACHINERY / EQUIPMENT through SNE is Medical Superintendent PMCH Nawabshah here in after called THE PURCHASER and M/s. LAB LINK ENTERPRISES, Karachi here in after called THE VENDOR.

1. The vendor should submit security money / performance security, which is equal of 3% of the value of Purchase Order to the Accounts Section of Medical Superintendent PMCH Nawabshah in shape of pay order in favour of Medical Superintendent PMCH Nawabshah. The security money will be refunded after 15 Days of Supply.
2. The VENDOR will supply, install, commissioning and demonstrate the under mentioned item(s) to THE PURCHASE with in stipulated time on the rate (FOR basis) mentioned against each, which was quoted by the VENDOR in the tender and as per terms and condition of tender.

Item No.	Item Description	Make/ Model	QTY	Rate (FOR)	Total Amount
30	VENTILATOR	IEVENT MEDICAL/13 USA	3	2,786,500.00	8,359,500.00
36	EKG POLYGRAPHIC MACHINE	IEVENT MEDICAL/13 USA	1	3,865,000.00	3,865,000.00
IN WORD: Twelve Million Two hundred twenty four thousand five hundred				Total	12,224,500.00

3. In case of delay a penalty will be imposed @ 0.1% per day of the value to item(s) subject to a maximum of 10%, which will be deducted from the bill / security money.
4. In case of non-supply, action will be taken against the supplier they might be black listed and their security money will be forfeited to the Government Accounts. The warrantee period is of 1 year as per tender, which will be start from the date of satisfactorily installation duly signed by

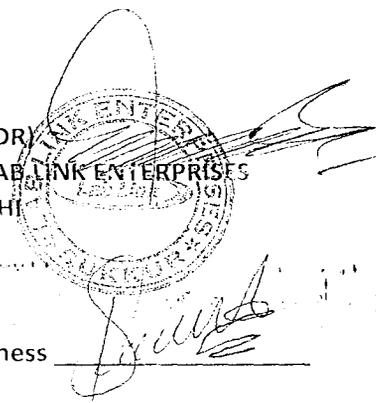
the end user. The equipment will hand over to the Store section, PMCH then deliver to the concerned department then supplier will install and put it operational.

5. The equipment to be supplied accomplished with original copy of operational, maintenance / service manual in English language.
6. The supplier should submit the Bill/ invoice for payment addressed to the Medical Superintendent PMCH Nawabshah along with following documents.
 - i. Three Copies of Bill / Invoice
 - ii. Three Copies of delivery challan duly signed by instrument Section.
 - iii. Three copies of Purchase Order.

The Contract / agreement has signed on 21-05-2018.

(PURCHASER)
MEDICAL SUPERINTENDENT
PMCH NAWABSHAH

(VENDOR)
M/S. LAB LINK ENTERPRISES
KARACHI



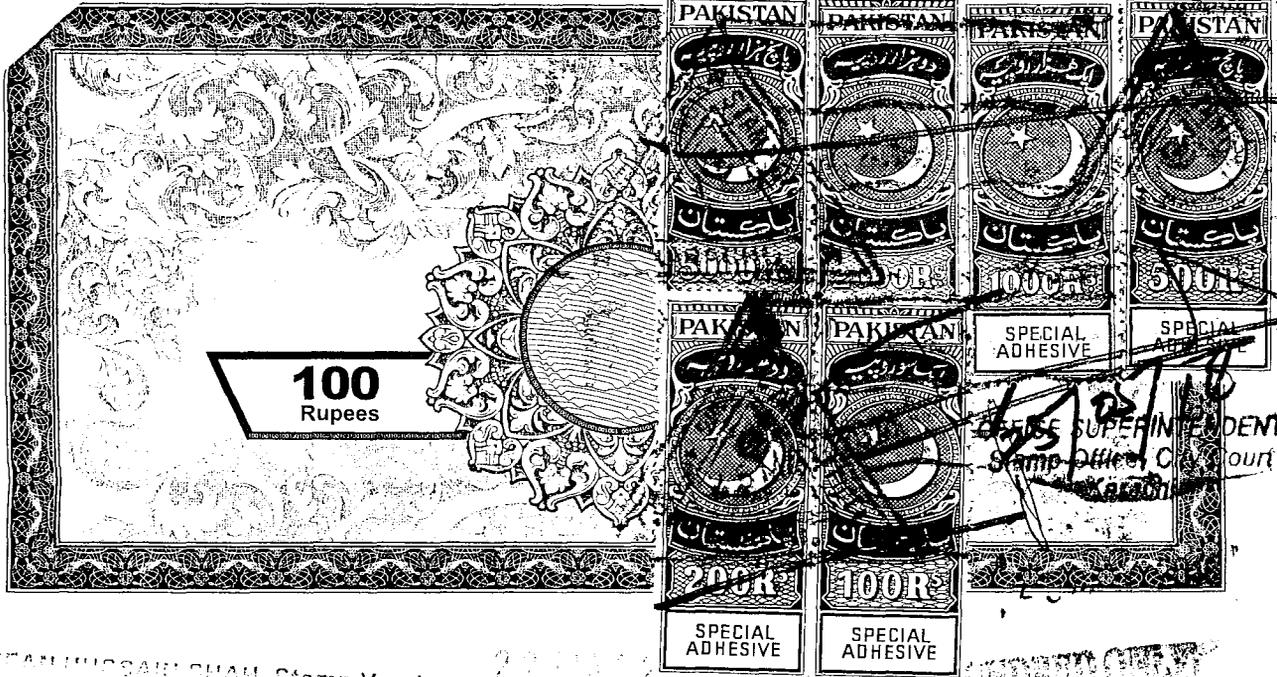
1. Witness _____

1. Witness _____

17430

157

8800



ARRAN MUSSAWI SHAH Stamp Vendor
 Attn: Mr. IRAN ALL SHAIKH
 1st Floor,
 100, Court Karachi
 DATE: 24/05/18
 IRAN ALL SHAIKH
 Advocate
 Leg. # 445 KBA
 ATTACHED
 STAMP VENDOR'S SIGNATURE

CONTRACT AGREEMENT

This agreement made at 24 May, 2018 between the The Medical Superintendent, Peoples Medical College Hospital (PMCH), Nawabshah called herein "the purchaser" and M/s Latif Brothers Instruments 14-Commercial Buildings Shahrah-e-Quaid-e-Azam Lahore Called herein as "the suppliers" Where as the purchaser is desirous that certain goods should be provided by supplier for the financial year 2017-18 and where as the supplier has agreed to provide and quoted the rates which have been accepted by purchaser for the supply of following goods.

S.#	Tender Item	Item Description	Make/Model	Qty	Rate	Total Amount
01	40	Operating Microscope for ophthalmology	OM-9 with standard Accessories Takagi/ Japan	01	2,494,800.00	2,494,800.00
Amounting in word: Two Million Four Hundred Ninety Four Thousand Eight Hundred Only					Total Rs.	2,494,800.00

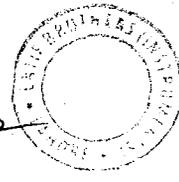
Now this Contract Witness as Follows:

1. In this agreement words and expressions shall have the same meanings as are respectively assigned to them in the General Conditions of this Contract hereinafter referred to:

2. The following documents shall be deemed to form and be read and construed as part of this agreement, viz: -

- a. The Bid form and Price Schedule submitted by the Bidder;
- b. The Schedule of requirements;
- c. The technical Specification;
- d. The General Conditions of Contract;
- e. The Special Conditions of Contract;
- f. The Procuring Agency's Notification of award;

3. In consideration of the payments to be made by the Procuring Agency to the Supplier as hereinafter mentioned, the supplier hereby covenants with the Procuring Agency to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of this Contract.

4. The Procuring Agency hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of this contract at the time and the manner prescribed by this Contract.

IN WITNESS whereof the parties here to have caused this agreement to be executed in accordance with their respective laws the day and year first above written.

Purchaser

(For the procuring agency)

SIGNATURE & SEAL: _____
NAME: _____
DESIGNATION: _____

Supplier

(For the supplier).

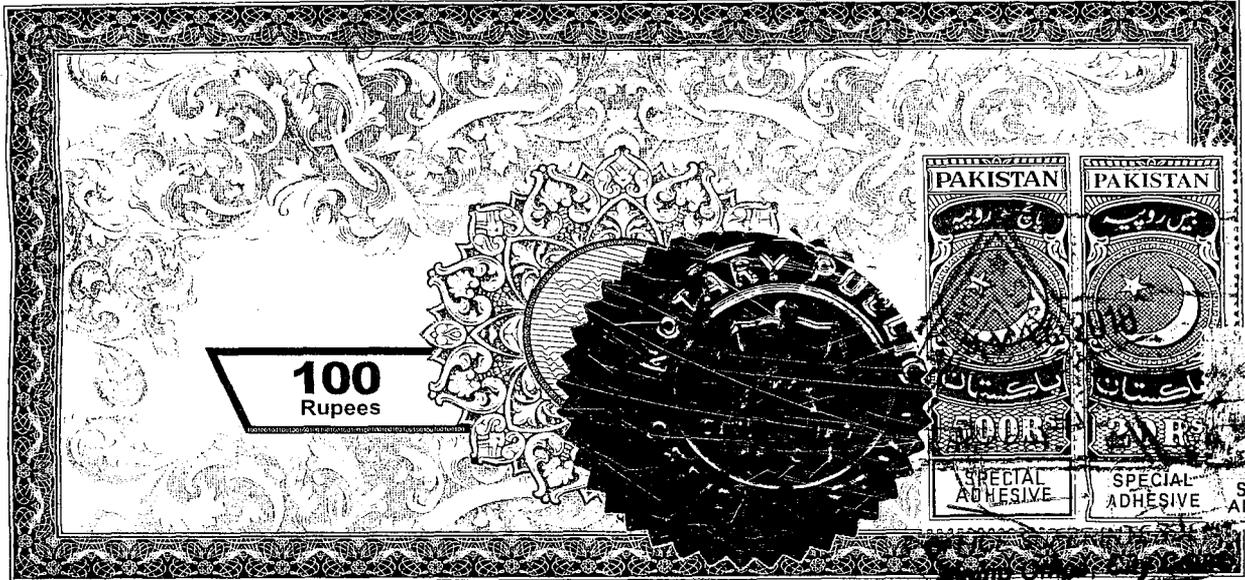
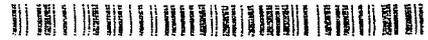
SIGNATURE & SEAL: 
NAME: IMRAN AHMED
DESIGNATION: AREA MANGER



L782965

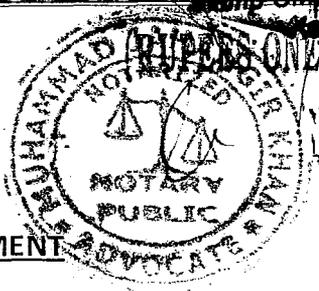
R. 525/-
46

577
29.05.2018



00021527
 MUHAMMAD SHERAZ stamp vendor
 No. 218, 2nd Floor, Abdullah
 Square, New Chali, Karachi
 S.NO. 00021527
 ISSUED TO WITH ADDRESS: 16937/CC
 THROUGH WITH ADDRESS: (Advocate)
 PURPOSE:
 VALUE RS. ATTESTED:

03 MAY 2018



29 MAY 2018

CONTRACT AGREEMENT

THIS AGREEMENT made at 23rd day of May 2018 between [People Medical College Hospital Nawabshah – Shaheed Benazirabad] of [Pakistan] (herein after referred to be as the "Procuring Agency") of the on Part; and [Standard Suppliers] of [Karachi - Pakistan] (herein after called the "Supplier") of the other Part.

WHERE AS the procuring Agency invite bids for certain goods ancillary services, viz [Nebulizer Model:- NIVEC – III MG ELECTRIC / UK] and has accepted the bid by the Supplier for the supply of those goods and service in the sum of [Rs.150,000/= Rs. One Hundred & Fifty Thousand Only] (hereinafter called "the contract price")

ITEM NO	ITEM DESCRIPTION	MAKE / MODEL	QTY	RATE	TOTAL AMOUNT
20	Nebulizer	MG Electric / NIVEC III/UK	02	Rs.75,000/=	Rs.150,000/=
Amount in Word: One Hundred & Fifty Thousand Only					Rs.150,000/=

Now this Contract Witness as follows:

- In this agreement word sand expressions shall have the same meanings as are respectively assigned to them in General Conditions of this contract hereinafter referred to:
- The following documents shall be deemed to form and be read and construed as part of this agreement, viz:- a. The Bid form and price Schedule submitted by the Bidder;
 - The Schedule of requirements;
 - The technical Specification;
 - The General Conditions of Contract;
 - The Special Conditions of Contract;
 - The Procuring Agency's Notification of awards;
- In consideration of the payments to be made by the Procuring Agency to the Supplier as hereinafter mentioned, the supplier hereby covenants with the Procuring Agency provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of this contract.

The Procuring Agency hereby covenants to pay the Supplier in consideration of the provision of the Goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of this contract at the time and the manner prescribed by this Contract.

IN WITNESS whereof the parties here to have caused this agreement to be executed in accordance with their respective laws the day and year first above written.

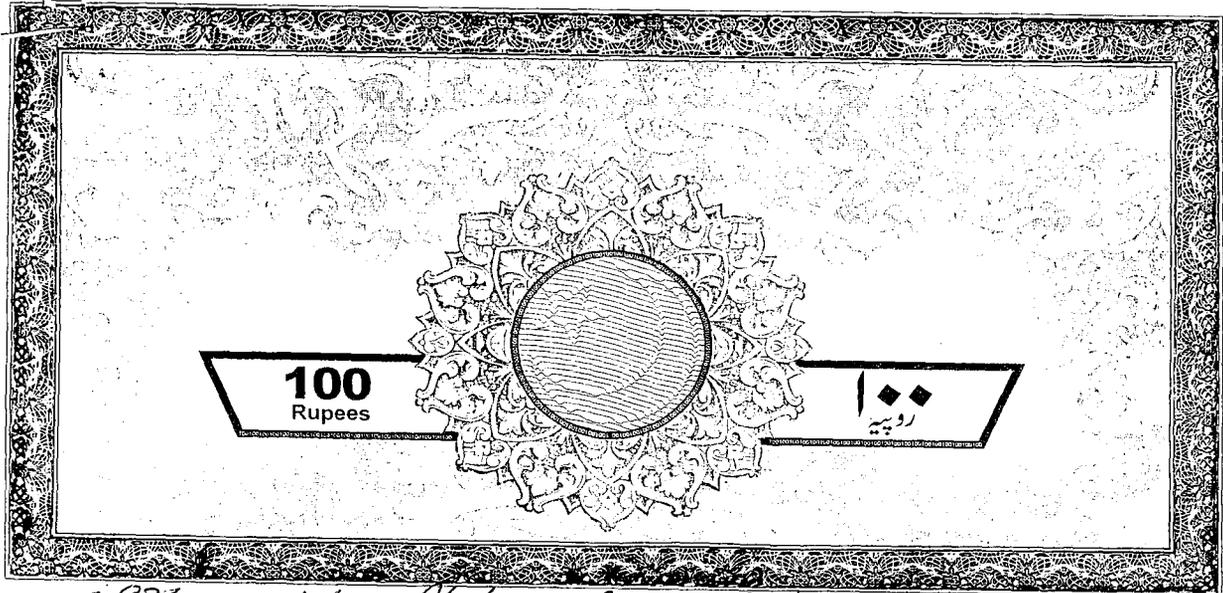
Signed, sealed, delivered by _____ the _____

(For the procuring agency)

Signed, sealed, delivered by  the 

(For the supplier)





Recd - 8865 M/s. Platinum Corporation
21/07/2018

Mahmud Ahmed Shah
Stamp Vendor
(FOR BASIS)
Date: 1/20

Medical Superintendent Peoples
Medical College Hospital Nawabshah

No. PMCHN/Account(SBA)/13030/33

Dated: 19-05-2018

CONTRACT / AGREEMENT

FOR THE SUPPLY OF MACHINERY / EQUIPMENT THROUGH (SNE) TO PMCH, NAWABSHAH FOR THE YEAR 2017-18

The contract for the supply for under mentioned MACHINERY / EQUIPMENT through SNE is Medical Superintendent PMCH Nawabshah here in after called THE PURCHASER and M/s. PLATINUM CORPORATION, Karachi here in after called THE VENDOR.

- The vendor should submit security money / performance security, which is equal of 3% of the value of Purchase Order to the Accounts Section of Medical Superintendent PMCH Nawabshah in shape of pay order in favour of Medical Superintendent PMCH Nawabshah. The security money will be refunded after 15 Days of Supply.
- The VENDOR will supply, install, commissioning and demonstrate the under mentioned item(s) to THE PURCHASE with in stipulated time on the rate (FOR basis) mentioned against each, which was quoted by the VENDOR in the tender and as per terms and condition of tender.

Item No.	Item Description	Make/ Model	QTY	Rate (FOR)	Total Amount
10	O.T Light Double Doom Surgical Light With Battery	LED 7w5w/ATA Surgical France	04	3,985,000.00	15,940,000.00
11	Portable OT Light	NX 3 Acem Italy	04	1,093,500.00	4,374,000.00
Total Amount					20,314,000.00

- In case of delay a penalty will be imposed @ 0.1% per day of the value to item(s) subject to a maximum of 10%, which will be deducted from the bill / security money.
- In case of non-supply, action will be taken against the supplier they might be black listed and their security money will be forfeited to the Government Accounts.
- The warrantee period is of 1 year as per tender, which will be start from the date of satisfactorily installation duly signed by the end user.

6. The equipment will hand over to the Store section, PMCH then deliver to the concerned department then supplier will install and put it operational.
7. The equipment to be supplied accomplished with original copy of operational, maintenance / service manual in English language.
8. The supplier should submit the Bill/ invoice for payment addressed to the Medical Superintendent PMCH Nawabshah along with following documents.

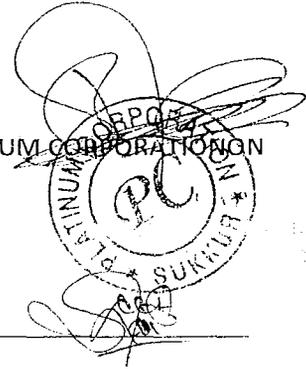
- i. Three Copies of Bill / Invoice
- ii. Three Copies of delivery challan duly signed by instrument Section.
- iii. Three copies of Purchase Order.



The Contract / agreement has signed on 21-05-2018.

(PURCHASER)
 MEDICAL SUPERINTENDENT
 PMCH NAWABSHAH

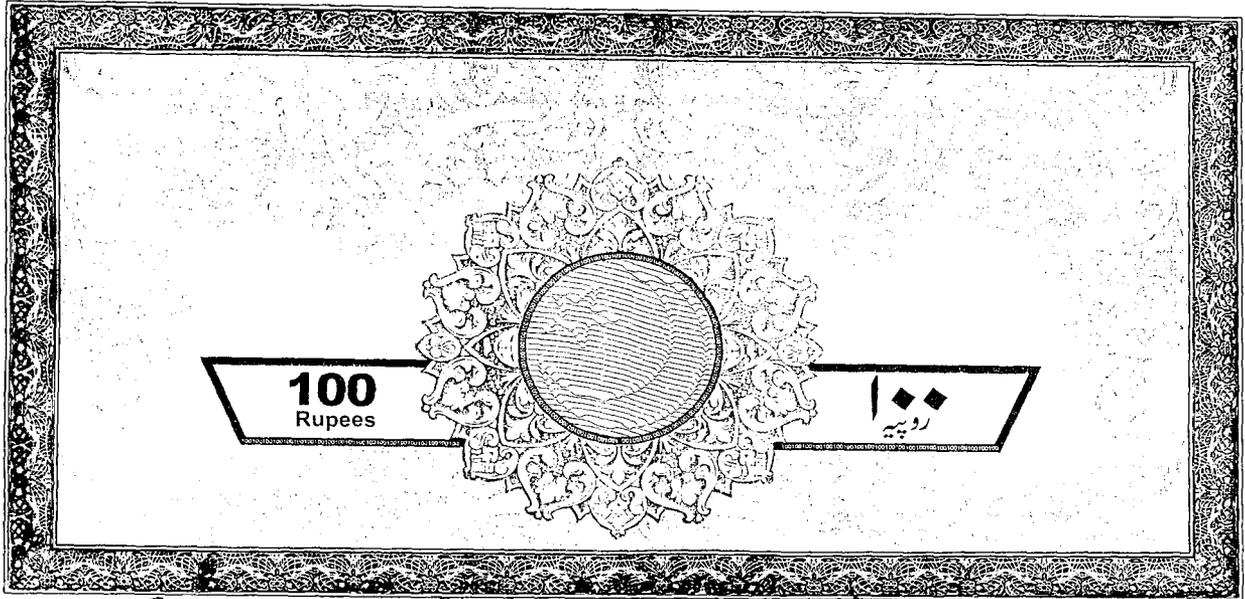
(VENDOR)
 M/S. PLATINUM CORPORATION
 KARACHI



1. Witness _____

1. Witness _____

NOTARY PUBLIC
 21/05/18



No. 8263 M/s. Platinum Corporation
21/9/2018

Muhammad Jameel Chalk
Govt. Stamp Vendor

INTEGRITY PACT

Contract Number: PMCHN / Account (SBA)/-13030/33/-2018 dated 19-05-2018
Contract Value: Rs.20, 314,000.00 (Twenty Million Three Hundred fourteen thousand)
Contract Title: Supply & installation of Medical Equipment, Instruments, Machinery & General Items.

Platinum Corporation hereby declares that it has not obtained or induced the procurement of any contract, right, interest privilege or other obligation nor benefit from Government of Sindh (GoS) or any administration subdivision or agency therefore or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, Platinum Corporation represents and warranty's that it has fully declared the brokerages, commission, gee etc pair or payable to any one and not given or agreed to give and shall not give or agree to give to any within or outside Pakistan wither directly or indirectly through any natural or juridical person, including its affiliates, agent associate, broker, consultant, director, promoter, shareholder, sponsor of subsidiary and commission, gratification, bribe, finger's fee of kickback, whether describes as consultation fee or otherwise, with the object of obtaining or inducing the procurement f a contract light, interest privilege or other obligation or benefit, in whatsoever from procuring agency (PA) except that which been expressly declared pursuant hereto.

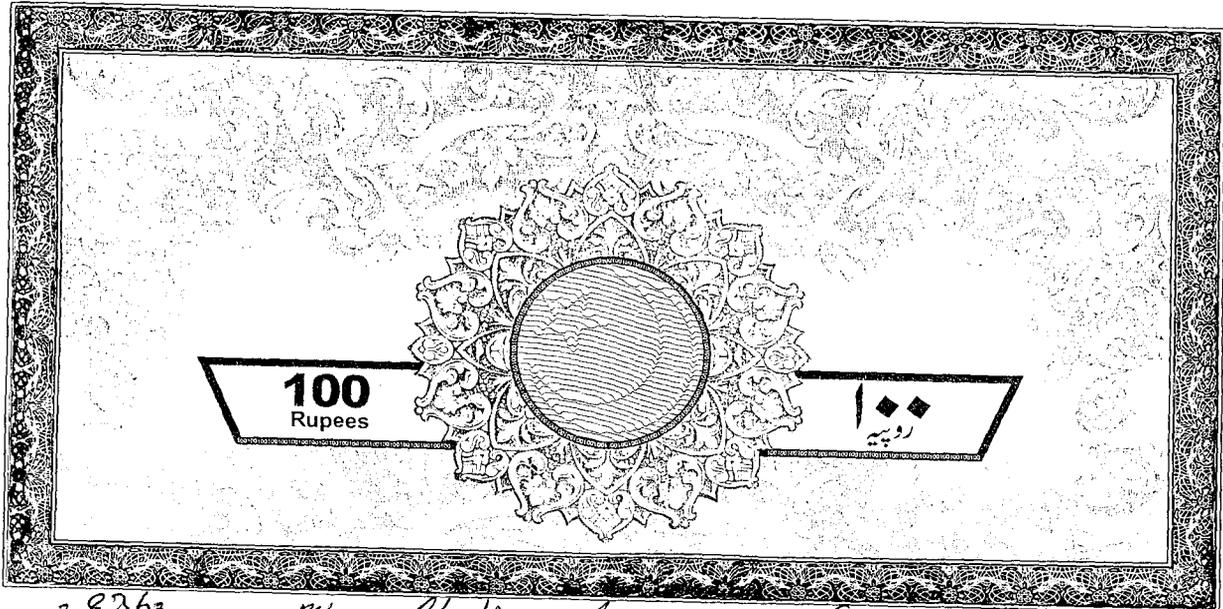
Platinum Corporation certifies that it has made and will make full disclosure of all agreement and arrangements with all person in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

Platinum Corporation accepts full responsibility and strict liability for making any false deflation, not making full disclosure misinterpreting facts or taking any action likely to defect the purpose of this declaration, presentation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without rejoice to any other rights and remedies available to PA under any law, contract or other instrument be voidable at the option of PA.

Medical Superintendent
Peoples Medical College Hospital
Nawabsha-Shaheed, Benazirabad

Shoukat Raza, CEO
M/S Platinum Corporation





Recd 28263
27/05/2018
Ahmed Shaikh
Stamp Vendor
FOR (FOR BASIS)

M/s. Platinum Corporation

Medical Superintendent Peoples
Medical College Hospital Nawabshah

No. PMCHN/Account(SBA)/13034-37

Dated: 19-05-2018

CONTRACT / AGREEMENT

FOR THE SUPPLY OF MACHINERY / EQUIPMENT THROUGH (SNE) TO PMCH, NAWABSHAH FOR THE YEAR 2017-18

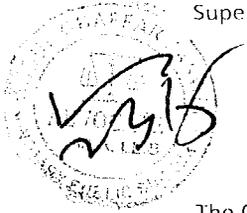
The contract for the supply for under mentioned MACHINERY / EQUIPMENT through SNE is Medical Superintendent PMCH Nawabshah here in after called THE PURCHASER and M/s. PLATINUM CORPORATION , Karachi here in after called THE VENDOR.

1. The vendor should submit security money / performance security, which is equal of 3% of the value of Purchase Order to the Accounts Section of Medical Superintendent PMCH Nawabshah in shape of pay order in favour of Medical Superintendent PMCH Nawabshah. The security money will be refunded after 15 Days of Supply.
2. The VENDOR will supply, install, commissioning and demonstrate the under mentioned item(s) to THE PURCHASE with in stipulated time on the rate (FOR basis) mentioned against each, which was quoted by the VENDOR in the tender and as per terms and condition of tender.

Item No.	Item Description	Make/ Model	QTY	Rate (FOR)	Total Amount
29	Ultrasound Machine	PG Scan Expert Italy	1	9,43,5000.00	9,43,5000.00
42	Anesthesia Machine with Ventilator	Mistral III Integrated norvap UK	5	1,89,5000.00	9,47,5000.00
51	Transport Ventilator	PR-4G Leistung Brazil	1	1,95,0000.00	1,95,0000.00
Total Amount					20,86,0000.00

3. In case of delay a penalty will be imposed @ 0.1% per day of the value to item(s) subject to a maximum of 10%, which will be deducted from the bill / security money.
4. In case of non-supply, action will be taken against the supplier they might be black listed and their security money will be forfeited to the Government Accounts.

5. The warrantee period is of 1 year as per tender, which will be start from the date of satisfactorily installation duly signed by the end user.
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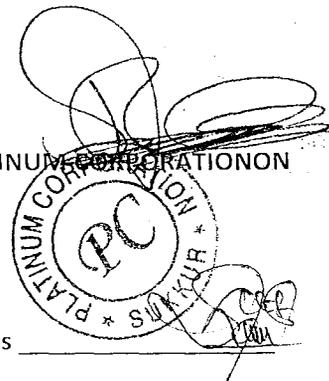


- i. Three Copies of Bill / Invoice
- ii. Three Copies of delivery challan duly signed by instrument Section.
- iii. Three copies of Purchase Order.

The Contract / agreement has signed on 21-05-2018.

(PURCHASER)
 MEDICAL SUPERINTENDENT
 PMCH NAWABSHAH

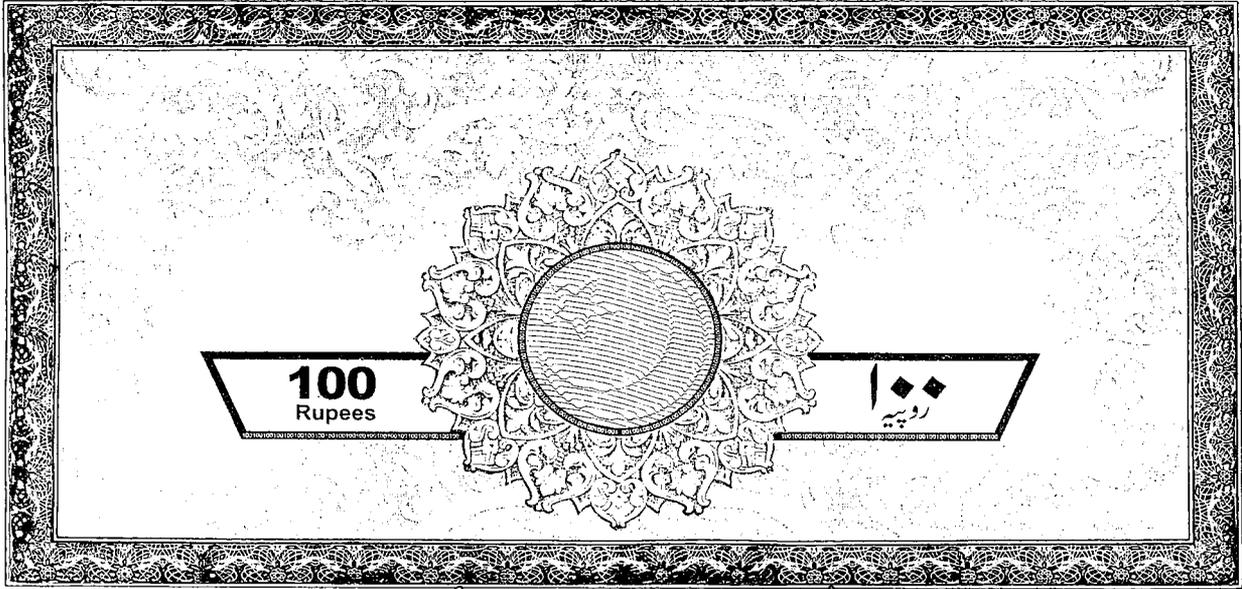
(VENDOR)
 M/S.PLATINUM CORPORATION
 KARACHI



1. Witness _____

1. Witness _____

ATTESTED
 AND CONTRACTING
 AUTHORITY M.S.M.S.
 NAWABSHAH



Order No. 8862
21/05/2018

M/S. Platinum Corporation

Amna Shafiq
Govt. Sindh Vendor

INTEGRITY PACT

Contract Number: PMCHN / Account (SBA)/-13039/37/-2018 dated 19-05-2018
Contract Value: Rs.20, 860,000.00 (Twenty Million Eight Hundred Sixty thousand)
Contract Title: Supply & installation of Medical Equipment, Instruments, Machinery & General Items.

Platinum Corporation hereby declares that it has not obtained or induced the procurement of any contract, right, interest privilege or other obligation nor benefit from Government of Sindh (GoS) or any administration subdivision or agency therefore or any other entity owned or controlled by it (GoS) through any corrupt business practice.

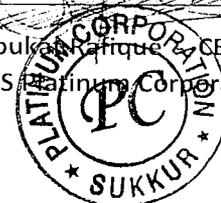
Without limiting the generality of the foregoing, Platinum Corporation represents and warrants that it has fully declared the brokerages, commission, gift etc. payable to any one and not given or agreed to give and shall not give or agree to give to any within or outside Pakistan wither directly or indirectly through any natural or juridical person, including its affiliates, agent associate, broker, consultant, director, promoter, shareholder, sponsor of subsidiary and commission, gratification, bribe, kickback, whether describes as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract light, interest privilege or other obligation or benefit, in whatsoever from procuring agency (PA) except that which been expressly declared pursuant hereto.

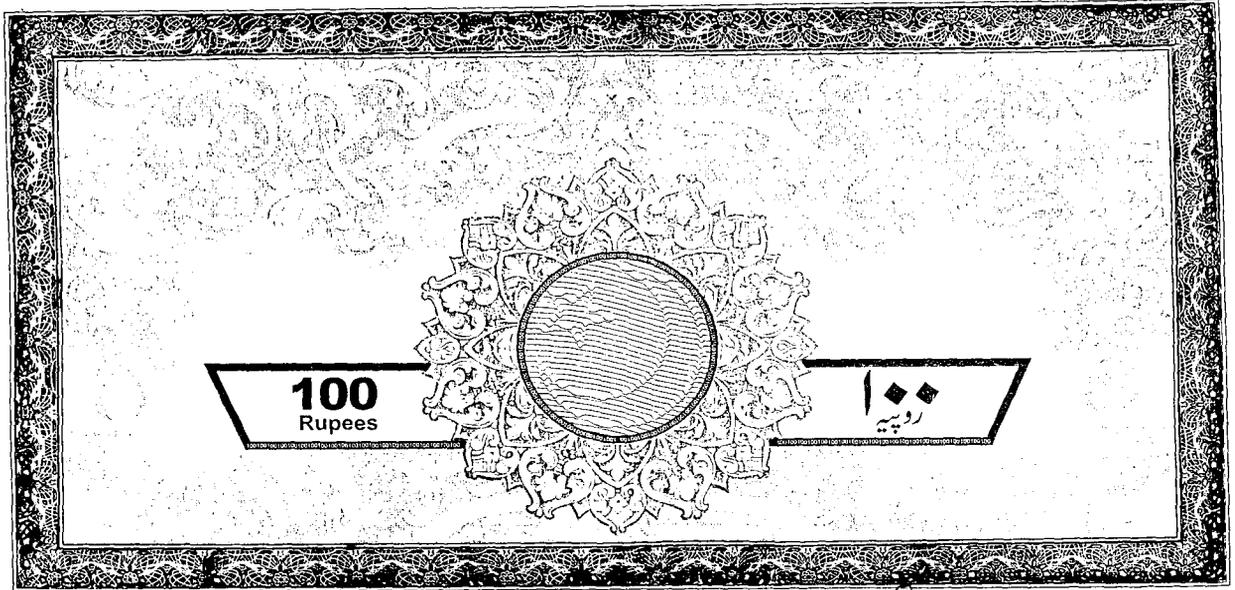
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Medical Superintendent
Peoples Medical College Hospital
Nawabsha-Shaheed, Benazirabad

Shoukat Razaque, CEO
M/S. Platinum Corporation





No. = 921 =
 Mukhtar Ahmed Chaudhry
 Govt. Stamp Vendor
 Near
 Date

M/S. Platinum Corporation Shauqat Rauf

INTEGRITY PACT

Contract Number: MS / SB-NWB/-13187/90/-2018 dated 23-05-2018
Contract Value: Rs.21, 491,200.00 (Twenty one Million four hundred Ninety one thousand two hundred)
Contract Title: Supply & installation of Medical Equipment, Instruments, Machinery & General Items.

Platinum Corporation hereby declares that it has not obtained or induced the procurement of any contract, right, interest privilege or other obligation nor benefit from Government of Sindh (GoS) or any administration subdivision or agency therefore or any other entity owned or controlled by it (GoS) through any corrupt business practice.

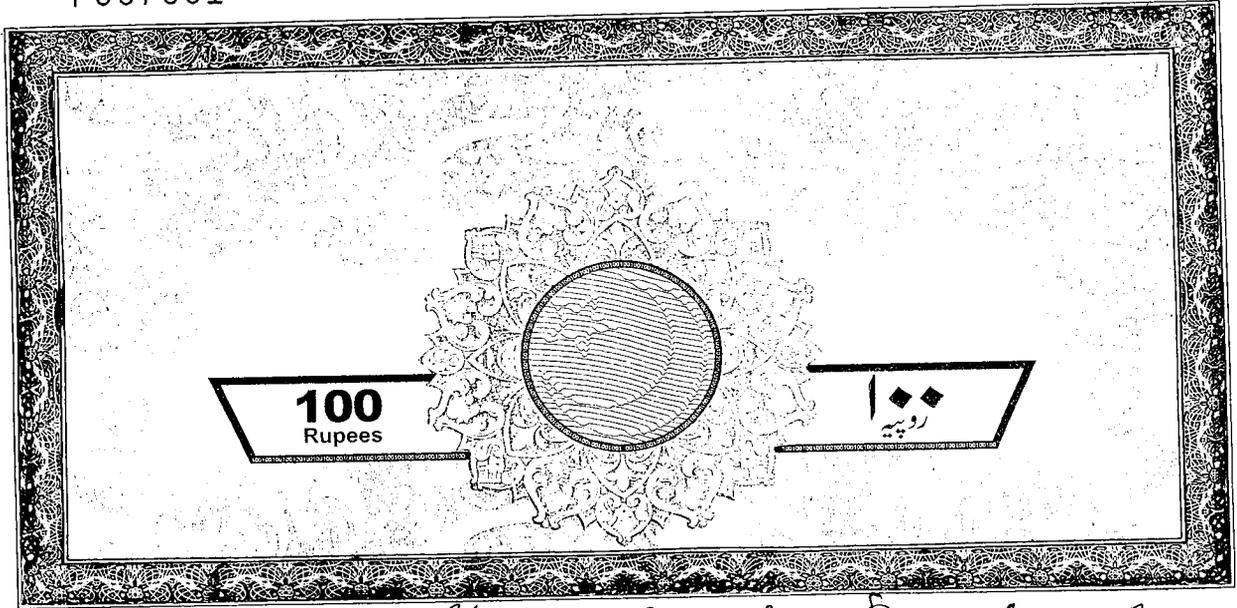
Without limiting the generality of the foregoing, Platinum Corporation represents and warranty's that it has fully declared the brokerages, commission, gee etc pair or payable to any one and not given or agreed to give and shall not give or agree to give to any within or outside Pakistan wither directly or indirectly through any natural or juridical person, including its affiliates, agent associate, broker, consultant, director, promoter, shareholder, sponsor of subsidiary and commission, gratification, bribe, finger's fee of kickback, whether describes as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract light, interest privilege or other obligation or benefit, in whatsoever from procuring agency (PA) except that which been expressly declared pursuant hereto.

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 Medical Superintendent
 Peoples Medical College Hospital
 Nawabsha-Shaheed, Benazirabad

 Shoukat Raufique - CEO
 M/S Platinum Corporation



MS = 8213 M/S Platinum Corporation Sindh & M. Amin
 Mukhtia Ahmad Jodh 298
 Govt Stamp Vendor
 New G...
 Date

INTEGRITY PACT

Contract Number: MS / SB-NWB/-13177/80/-2018 dated 23-05-2018
 Contract Value: Rs.14, 890,000.00 (Fourteen Million Eight Hundred Ninety thousand only)
 Contract Title: Supply & installation of Medical Equipment, Instruments, Machinery & General Items.

Platinum Corporation hereby declares that it has not obtained or induced the procurement of any contract, right, interest privilege or other obligation nor benefit from Government of Sindh (GoS) or any administration subdivision or agency therefore or any other entity owned or controlled by it (GoS) through any corrupt business practice.

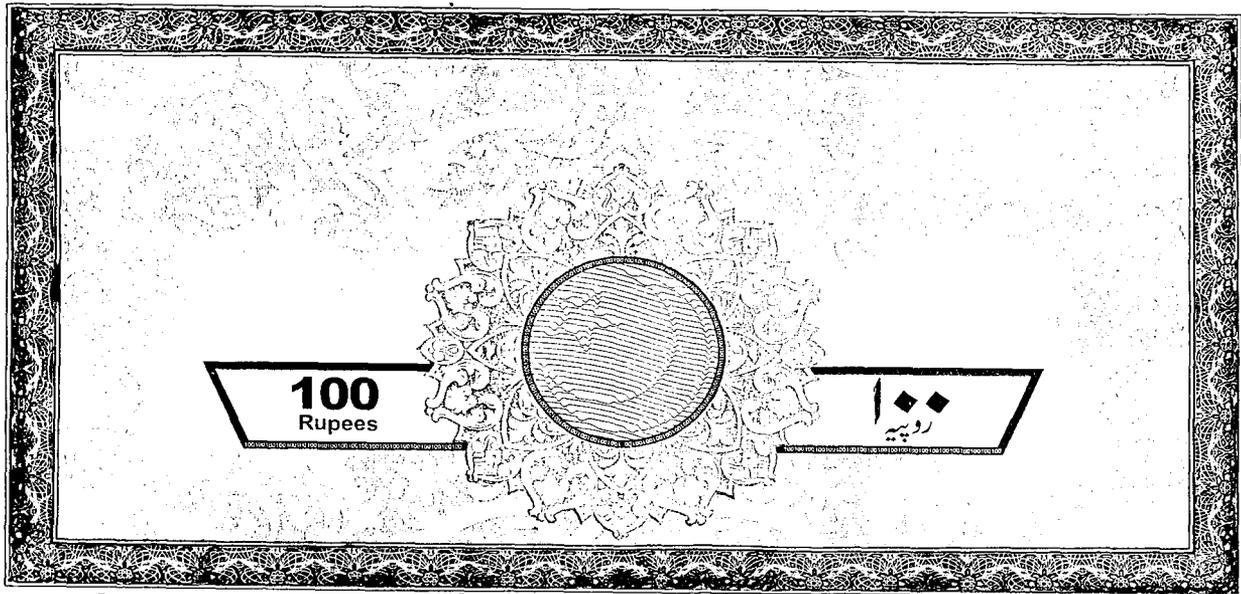
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 Medical Superintendent
 Peoples Medical College Hospital
 Nawabsha-Shaheed, Benazirabad

 Shoukat Rafique - CEO
 M/S Platinum Corporation



SN No = 9212

M/s. Platinum Corporation New G. M. Area

Govt. Stamp Vender
Please

FOR (FOR BASIS)

Medical Superintendent Peoples
Medical College Hospital Nawabshah

No MS/ SB-NWB/13187/90

Dated: 23-05-2018

CONTRACT / AGREEMENT

FOR THE SUPPLY OF MACHINERY / EQUIPMENT THROUGH (SNE) TO PMCH, NAWABSHAH FOR
THE YEAR 2017-18

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2. The VENDOR will supply, install, commissioning and demonstrate the under mentioned item(s) to THE PURCHASE with in stipulated time on the rate (FOR basis) mentioned against each, which was quoted by the VENDOR in the tender and as per terms and condition of tender.

Item No.	Item Description	Make/ Model	QTY	Rate (FOR)	Total Amount
2	Bedside Patient Monitor	PG9500/Progetti / Italy	10	473,000.00	4,730,000.00
09	OT Table Gyne	Surgitable4 /ATA/ France	4	3,875,000.00	15,500,000.00
18	Suction Machine	Askir C30/ CAMI/ Italy	8	157,650.00	1,261,200.00
IN WORD: Twenty One Million Four hundred Ninety one thousand two hundred				Total	21,491,200.00

3. In case of delay a penalty will be imposed @ 0.1% per day of the value to item(s) subject to a maximum of 10%, which will be deducted from the bill / security money.
4. In case of non-supply, action will be taken against the supplier they might be black listed and their security money will be forfeited to the Government Accounts.

5. The warrantee period is of 1 year as per tender, which will be start from the date of satisfactorily installation duly signed by the end user.
6. The equipment will hand over to the Store section, PMCH then deliver to the concerned department then supplier will install and put it operational.
7. The equipment to be supplied accomplished with original copy of operational, maintenance / service manual in English language.
8. The supplier should submit the Bill/ invoice for payment addressed to the Medical Superintendent PMCH Nawabshah along with following documents
 - i. Three Copies of Bill / Invoice
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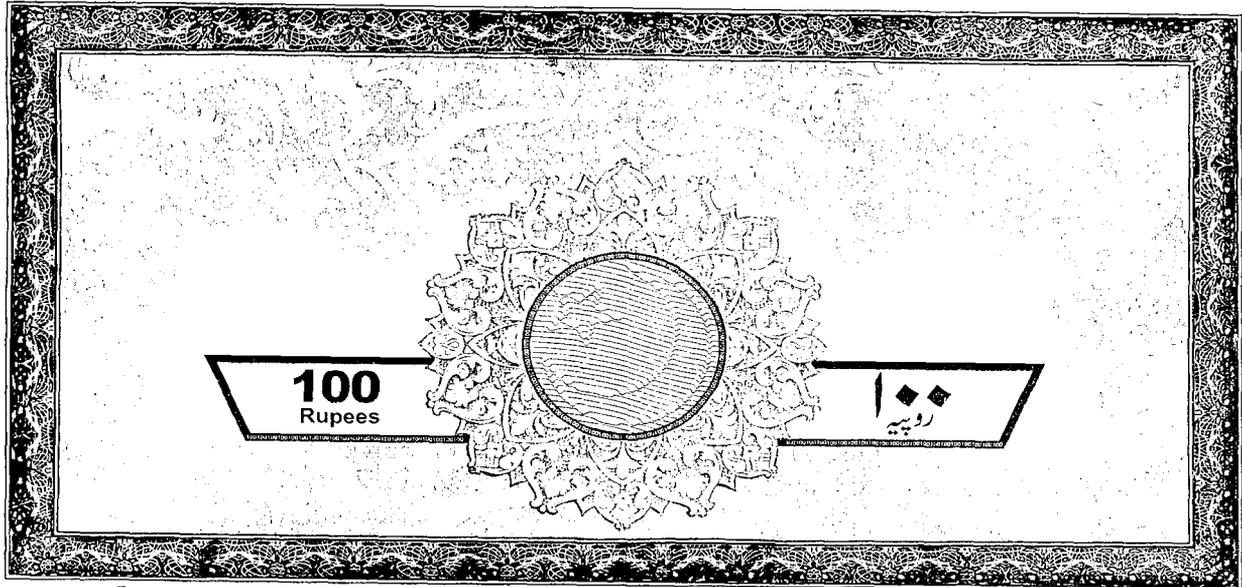
The Contract / agreement has signed on 21-05-2018.

(PURCHASER)
MEDICAL SUPERINTENDENT
PMCH NAWABSHAH

(VENDOR)
M/S.PLATINUM CORPORATION
KARACHI

1. Witness _____

1. Witness _____



Pr. No. - 9212
 Govt. Stamp Vendor
 New F.C. Sukkur
 Date: / /

M/s- Platinum Corporation SMC & M. Aari

FOR (FOR BASIS)

Medical Superintendent Peoples
 Medical College Hospital Nawabshah

No. PMCHN/Account(SBA)/13177/80

Dated: 23-05-2018

CONTRACT / AGREEMENT

FOR THE SUPPLY OF MACHINERY / EQUIPMENT THROUGH (SNE) TO PMCH, NAWABSHAH FOR THE YEAR 2017-18

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Item No.	Item Description	Make/ Model	QTY	Rate (FOR)	Total Amount	
13	Autoclave	PG Sterlie/Progetti/Italy	4	890,000.00	3,560,000.00	
19	PC Based ETT Machine	PG Stress Progetti Italy	1	1,895,000.00	1,895,000.00	
29	Ultrasound machine with three probe	PG Scan expert / Progetti / Italy	1	9,435,000.00	9,435,000.00	
IN WORD: Fourteen Million Eight hundred Ninety Thousand					Total	14,890,000.00

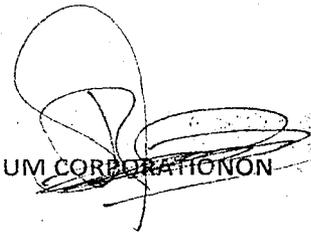
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The Contract / agreement has signed on 21-05-2018.

(PURCHASER)
MEDICAL SUPERINTENDENT
PMCH NAWABSHAH

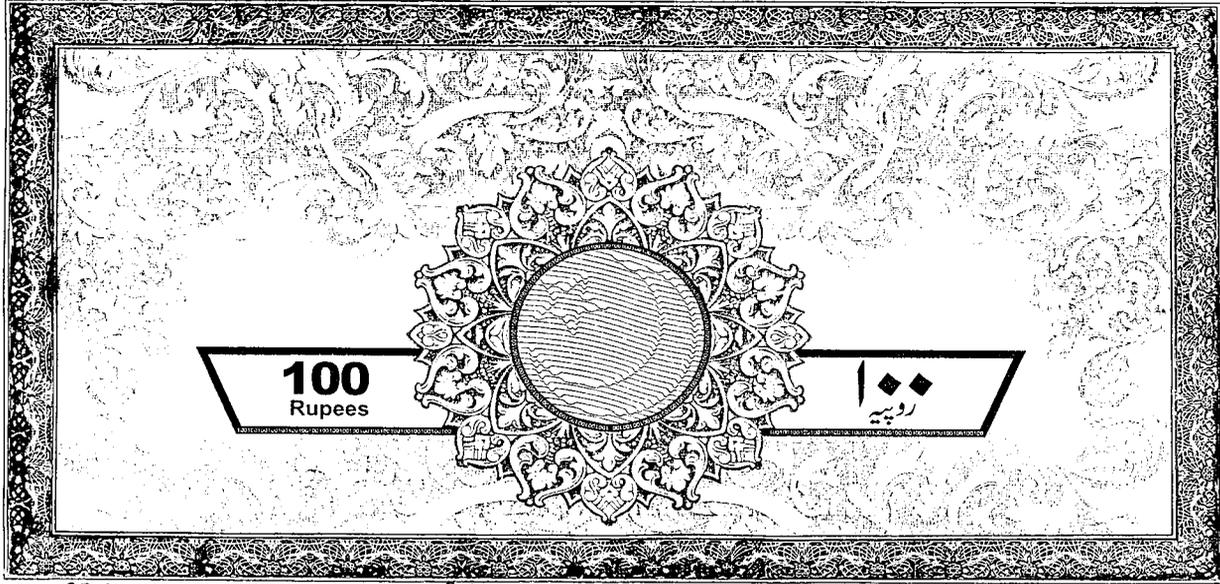
(VENDOR)
M/S.PLATINUM CORPORATION
KARACHI



1. Witness _____

1. Witness _____





8363
 21/05/2018
 Govt Stamp Vender
 Near GPO Sukrit
 Date FOR (FOR BASIS)

M/s. Platinum Corporation

Medical Superintendent Peoples
 Medical College Hospital Nawabshah

No. PMCHN/Account(SBA)/13026/29

Dated: 19-05-2018

CONTRACT / AGREEMENT

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 THE YEAR 2017-18

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Item No.	Item Description	Make/ Model	QTY	Rate (FOR)	Total Amount
13	Autoclave	PG Sterlie/Progetti/ Italy	6	890,000.00	5,340,000.00
18	Suction Machine	Askir C 30/ CAMI Italy	20	157,650.00	3,153,000.00
19	PC Based ETT Machine	PG Stress Progetti Italy	1	1,895,000.00	1,895,000.00
21	CTG Machine	Team 3A NSB/Huntleigh UK	1	1,650,000.00	1,650,000.00
28	Spiro Meter	PG Spiro Progetti Italy	1	1,135,000.00	1,135,000.00
Total Amount					13,173,000.00

3. In case of delay a penalty will be imposed @ 0.1% per day of the value to item(s) subject to a maximum of 10%, which will be deducted from the bill / security money.
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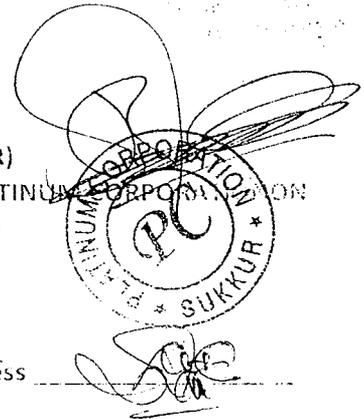


- i. Three Copies of Bill / Invoice
- ii. Three Copies of delivery challan duly signed by instrument Section.
- iii. Three copies of Purchase Order.

The Contract / agreement has signed on 21-05-2018.

(PURCHASER)
 MEDICAL SUPERINTENDENT
 PMCH NAWABSHAH

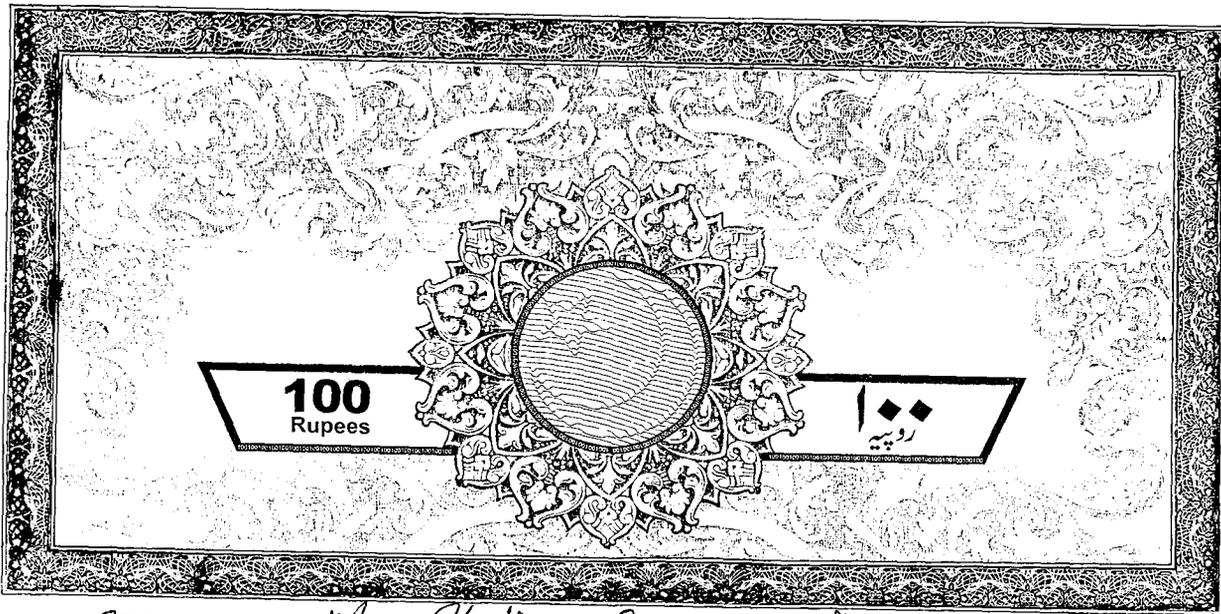
(VENDOR)
 M/S. PLATINUM CORPORATION
 KARACHI



1. Witness _____

1. Witness _____

ATTESTED
 ABDUL MUNIR JANVRI
 ADVOCATE RAJLI
 NOTARY PUBLIC SUKKUR



Pr. = 836 =
21/05/2018
Signature: Ahmed Shafiq
Govt. Stamp Vendor
New FOR (FOR BASIS)
Date: 21/05/2018

M/s. Platinum Corporation

Medical Superintendent Peoples
Medical College Hospital Nawabshah

No. PMCHN/Account(SBA)/13046/49

Dated: 19-05-2018

CONTRACT / AGREEMENT

FOR THE SUPPLY OF MACHINERY / EQUIPMENT THROUGH (SNE) TO PMCH, NAWABSHAH FOR
THE YEAR 2017-18

The contract for the supply for. under mentioned MACHINERY / EQUIPMENT through SNE is Medical Superintendent PMCH Nawabshah here in after called THE PURCHASER and M/s. PLATINUM CORPORATION, Karachi here in after called THE VENDOR.

1. The vendor should submit security money / performance security, which is equal of 3% of the value of Purchase Order to the Accounts Section of Medical Superintendent PMCH Nawabshah in shape of pay order in favour of Medical Superintendent PMCH Nawabshah. The security money will be refunded after 15 Days of Supply.

2. The VENDOR will supply, install, commissioning and demonstrate the under mentioned item(s) to THE PURCHASE with in stipulated time on the rate (FOR basis) mentioned against each, which was quoted by the VENDOR in the tender and as per terms and condition of tender.

Item No.	Item Description	Make/ Model	QTY	Rate (FOR)	Total Amount
1	ECG Machine	EPG 6 View/Progetti/ Italy	6	299,000.00	1,794,000.00
2	Bedside Patient Monitors	PG M9500/Progetti /Italy	40	473,000.00	18,920,000.00
4	BiPAP Ventilator	Stealer 150	1	1,670,000.00	1,670,000.00
8	Central Monitor Station	PGM 6000	2	1,650,000.00	3,300,000.00
9	OT Table Gyne	Surgitable4/ ATA/France	6	3,875,000.00	23,250,000.00
Total Amount					48,934,000.00



3. In case of delay a penalty will be imposed @ 0.1% per day of the value to item(s) subject to a maximum of 10%, which will be deducted from the bill / security money.
4. In case of non-supply, action will be taken against the supplier they might be black listed and their security money will be forfeited to the Government Accounts.
5. The warrantee period is of 1 year as per tender, which will be start from the date of satisfactorily installation duly signed by the end user.
6. The equipment will hand over to the Store section, PMCH then deliver to the concerned department then supplier will install and put it operational.
7. The equipment to be supplied accomplished with original copy of operational, maintenance / service manual in English language.
8. The supplier should submit the Bill/ invoice for payment addressed to the Medical Superintendent PMCH Nawabshah along with following documents.

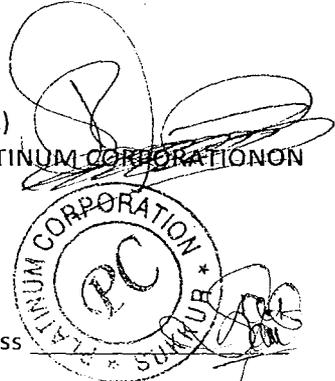


- i. Three Copies of Bill / Invoice
- ii. Three Copies of delivery challan duly signed by instrument Section.
- iii. Three copies of Purchase Order.

The Contract / agreement has signed on 21-05-2018.

(PURCHASER)
 MEDICAL SUPERINTENDENT
 PMCH NAWABSHAH

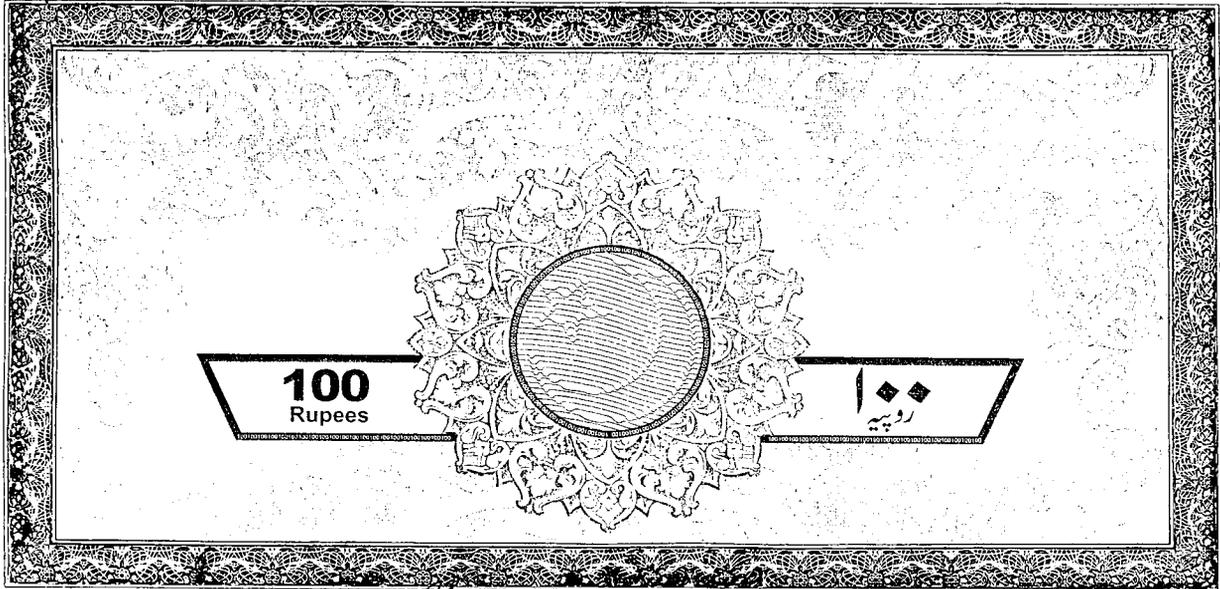
(VENDOR)
 M/S.PLATINUM CORPORATION
 KARACHI



1. Witness _____

1. Witness _____

NOTARY PUBLIC SURABH
 21/05/2018



Ms = 8263 m/s. Platinum Corporation

21/05/2018

Stamp Vendor

INTEGRITY PACT

Contract Number: PMCHN / Account (SBA)/-13046/49/-2018 dated 19-05-2018
Contract Value: Rs.48, 934,000.00 (Forty Eight Million Nine Hundred thirty four thousand)
Contract Title: Supply & installation of Medical Equipment, Instruments, Machinery & General Items.

Platinum Corporation hereby declares that it has not obtained or induced the procurement of any contract, right, interest privilege or other obligation nor benefit from Government of Sindh (GoS) or any administration subdivision or agency therefore or any other entity owned or controlled by it (GoS) through any corrupt business practice.

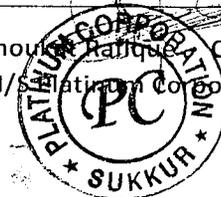
Without limiting the generality of the foregoing, Platinum Corporation represents and warranty's that it has fully declared the brokerages, commission, gee etc pair or payable to any one and not given or agreed to give and shall not give or agree to give to any within or outside Pakistan wither directly or indirectly through any natural or juridical person, including its affiliates, agent associate, broker, consultant, director, promoter, shareholder, sponsor of subsidiary and commission, gratification, bribe, finger's fee of kickback, whether describes as consultation fee or otherwise, with the object of obtaining or inducing the procurement f a contract light, interest privilege or other obligation or benefit, in whatsoever from procuring agency (PA) except that which been expressly declared pursuant hereto.

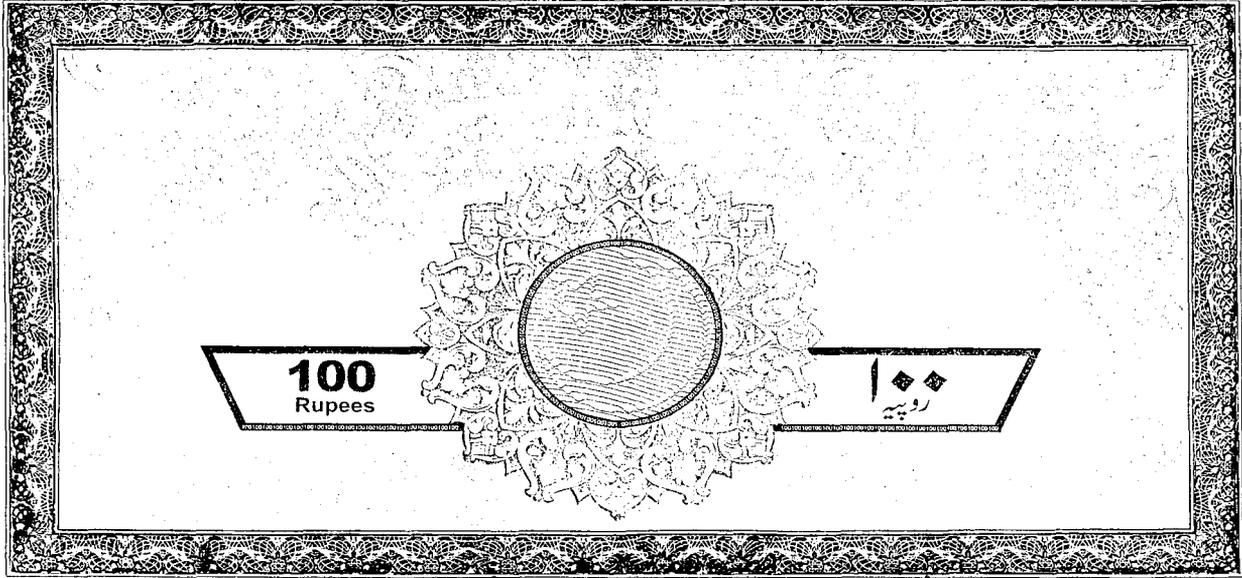
Platinum Corporation certifies that it has made and will make full disclosure of all agreement and arrangements with all person in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

Platinum Corporation accepts full responsibility and strict liability for making any false deflation, not making full disclosure misinterpreting facts or taking any action likely to defect the purpose of this declaration, presentation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without rejoice to any other rights and remedies available to PA under any law, contract or other instrument be voidable at the option of PA.

Medical Superintendent
 Peoples Medical College Hospital
 Nawabsha-Shaheed, Benazirabad

Shoukat Rana CEO
 M/s Platinum Corporation





8 No = 836 =
21/05/2018

M/s. Platinum Corporation Sukkur

~~Andriya Anmea Shaheed~~
Sindh

INTEGRITY PACT

Contract Number: PMCHN / Account (SBA)/-13026/29/-2018 dated 19-05-2018
Contract Value: Rs.13, 173,000.00 (Thirteen Million one Hundred seventy three thousand)
Contract Title: Supply & installation of Medical Equipment, Instruments, Machinery & General Items.

Platinum Corporation hereby declares that it has not obtained or induced the procurement of any contract, right, interest privilege or other obligation nor benefit from Government of Sindh (GoS) or any administration subdivision or agency therefore or any other entity owned or controlled by it (GoS) through any corrupt business practice.

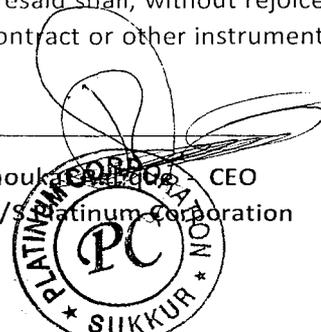
Without limiting the generality of the foregoing, Platinum Corporation represents and warranty's that it has fully declared the brokerages, commission, gee etc pair or payable to any one and not given or agreed to give and shall not give or agree to give to any within or outside Pakistan wither directly or indirectly through any natural or juridical person, including its affiliates, agent associate, broker, consultant, director, promoter, shareholder, sponsor of subsidiary and commission, gratification, bribe, finger's fee of kickback, whether describes as consultation fee or otherwise, with the object of obtaining or inducing the procurement f a contract light, interest privilege or other obligation or benefit, in whatsoever from procuring agency (PA) except that which been expressly declared pursuant hereto.

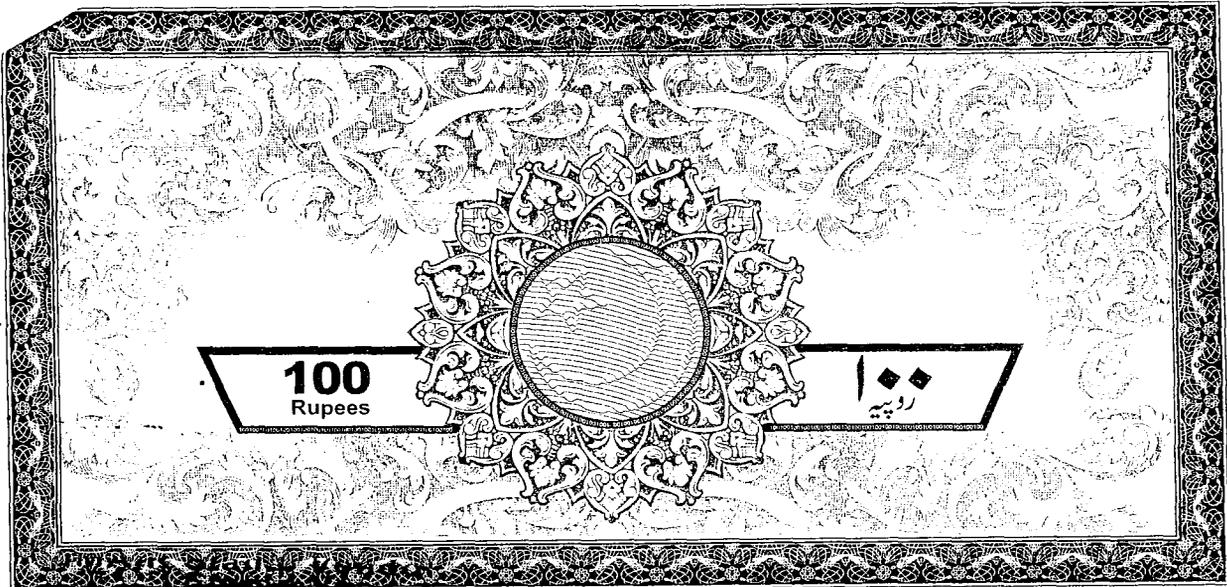
Platinum Corporation certifies that it has made and will make full disclosure of all agreement and arrangements with all person in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

Platinum Corporation accepts full responsibility and strict liability for making any false deflation, not making full disclosure misinterpreting facts or taking any action likely to defect the purpose of this declaration, presentation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without rejoice to any other rights and remedies available to PA under any law, contract or other instrument be voidable at the option of PA.

Medical Superintendent
 Peoples Medical College Hospital
 Nawabsha-Shaheed, Benazirabad

Shoukat Ali Khan - CEO
 M/S Platinum Corporation





Shop No: 29, Ruby Center
Sultan Market, Karachi.

21 MAY 2018

OR NO..... DATE.....

ISSUED TO WITH ADDRESS NO. 1384

THROUGH WITH ADDRESS NO.

AMOUNT.....

VALUE RA..... ATTACHED.....

STAMP VENDOR SIGNATURE.....

Rs. has been received & will purpose

CONTRACT AGREEMENT

Contract No. _____

Dated: _____

The Contract for the Supply of Under mentioned Hospital Furniture, AC's Through is between Medical Superintendent Peoples Medical College, Hospital, Nawab Shah, hereinafter called THE PURCHASER and M/s. **KHALID CORPORATION**, Office No. 215, International Auto Parts Market, Marston Road, Plaza Square, Karachi, hereinafter called the VENDOR.

1. The Vendor should submit Performance Security, which is equal of 10% of the value of Purchase Order to the Accounts Section of PMCH, Nawab Shah in shape of pay order in favour of M.S. PMCH, Nawab Shah. The Security Money will be refunded after delivery of supply order.
2. This Vendor will supply, install and demonstrate the under mentioned item(s) to The Purchaser within Stipulated time period on the rate mentioned against each, which was quoted by the VENDOR in the Tender and as per terms and condition of Tender.

S. No.	Description Store	Rate Per Unit	Qty.	Total Amount
01	Revolving Stoll	Rs. 5,400/-	14	Rs. 75,600/-
07	High Low Strature	Rs. 52,800/-	12	Rs. 633,600/-
08	Wheel Chair	Rs. 12,800/-	06	Rs. 76,800/-
12	File Cabinate	Rs. 14,500/-	15	Rs. 217,500/-
13	Steel Almirah	Rs. 16,000/-	10	Rs. 160,000/-
14	Waiting Area Bench	Rs. 9,500/-	10	Rs. 95,000/-
15	Examination Couch	Rs. 16,500/-	10	Rs. 165,000/-
Total Rupees Fourteen Lacs Twenty Three Thousand Five Hundred Eighty Only				Rs. 1,423,500/-

Contd. P/2...

3. In case of delay a penalty will be imposed @ 0.1% per day of the value of Item(s) subject to a maximum of 10% which will be deducted from the bill / Security Money.
4. In case of Non-Supply, action will be taken against the Vendor they might be Black listed and their security Money will be forfeited to the Government Accounts.
5. The warrantee period is of One Year as per tender, which will start from the date of satisfactorily installation duly signed by the end user.
6. The Vendor will provide Technical / Operational training from factory trained engineer to the staff / End user.
7. The Vendor will responsible for Pre-Requisites (if any) for installation / Operational of the Equipment.
8. The Equipment will hand over the Instrument Section, Main Store PMCH, Nawab Shah then deliver to the concerned department and Vendor will install and put it operational.
9. The Equipment to be supplied accomplished with original copy of Operational, Maintenance / Service manual in English Language.
10. The Vendor will submit and undertaking on judicial Stamp Paper of Rs. 100/- duly attested by the notary public as mentioned in terms, and condition of the tender that equipment supplied is brand new and of latest Technology and free from any defect, spare will be available in next 10 years.
11. The Vendor should submit the Bill / Invoice for payment addressed to the Medical Superintendent PMCH, Nawab Shah after satisfactory installation and demonstration along with following documents.
 - i). Three Copies of Bill Invoice.
 - ii). Three Copies of Delivery Challan duly signed by Instrument Section.
 - iii). Undertaking on stamp paper as per 11.
 - iv). Three Copies of Purchaser Order.

Purchaser
Medical Superintendent
Peoples Medical College Hospital
Nawab Shah

Supplier
Muhammad Ishaque Noon
M/s. Khalid Corporation, Karachi

KHALID CORPORATION
International Auto Parts Market,
100, International Road, Naza Square, Karachi.
C/o: # 0300-2807696

WITNESSES-1 :

Signature: _____

Name: _____

CNIC No. _____

WITNESSES-2 :

Signature: M. Arshad

Name: M. ARSHAD

CNIC No. 4261-1387983-3

KHALID CORPORATION
International Auto Parts Market,
100, International Road, Naza Square, Karachi.
C/o: # 0300-2807696

CH 294 4730
29/5/18

56771



ZAFAR ULLA KHAN Stamp Vendor
Licence No. 99 Shop No. 412
4th Floor Tahir Plaza, Near City Court Karachi
SNQ. 15232 DATE.....
ISSUED TO WITH ADDRESS.....
THROUGH WITH ADDRESS.....
PURPOSE.....
VALUE RS.....
STAMP-VENDOR-SIGNATURE.....
NOT USE FOR FREE WILL & DIVORCE PURPOSE

10 MAY 2018

RUPEES 1000000-000000

CONTRACT AGREEMENT

REF: MS/SB-NWB/13169/7 Dated 23-May-2018

This Agreement is made on this 28th day of May, 2018 between Peoples Medical College Hospital Nawabshah, Shaheed Benazirabad herein after called the "The Purchaser" and M/s Medline Technologies (Pvt.) Ltd located at 95-G, Block-2, Off Shakra-e-Quaideen, P.E.C.H.S, Karachi herein after called "The Supplier".

Whereas the purchaser is desirous that certain goods should be provided by supplier and whereas the supplier has agreed to provide as per his quoted rates, which has been accepted by purchaser for the supply of following goods in the sum of Rs 1,575,000/- (Rupees One Million Five Hundred Seventy Five Thousand Only) herein after "The Contract Price" as follows

Item No.	Item Description	Model	Make	Qty.	Unit Price	Total Price
2	Ward Screen, 3 Folds	305-K-00	Strongman (Pakistan)	50	Rs. 9,500/-	Rs. 475,000/-
5	Patient Attendant Bench	115-K-00	Strongman (Pakistan)	100	Rs. 11,000/-	Rs. 1,100,000/-

The delivery period will commence from the date of acceptance of the contract by the bidder.

Now this Agreement witnessed as follows:

1. In this Agreement words & expressions shall have the same meanings as are respectively assigned to them in the terms & conditions of Contract referred to.
2. The following Documents shall be deemed to form and be read and construed as part of this agreement, viz.:
 - (a) The Bid Form and the Price Schedule submitted by the Bidder;
 - (b) The Schedule of Requirements;
 - (c) The Technical Specifications;
 - (d) The General Conditions of Contract;
 - (e) The Special Condition of Contract; and
 - (f) The Procuring agency's Notification of Award.
3. In consideration of the payments to be made by the purchaser, to the supplier as herein after mentioned, the supplier hereby covenants with the purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provision of the Contract.
4. The purchaser hereby covenant to pay the supplier in consideration of the provision of the goods & services and the remedying of the defects therein, the Contract Price payable under the provision of the Contract at the time in the manner prescribed in the Contract.

IN WITNESS whereof the parties here to have caused this Agreement to be executed in accordance with their respective laws the day and year first above written

PURCHASER

Signature & Seal

Name: _____

Designation: _____

Address: _____

WITNESS (Purchaser)

Signature & Seal

Name: _____

Designation: _____

Address: _____

SUPPLIER

Signature & Seal

Name: S. FARUKH HUSSAIN

Designation: Asst. Manager Sales

Address: 95-G Block-2 PECHS KARACHI

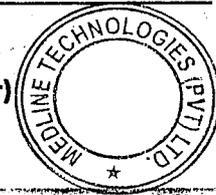
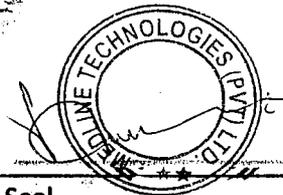
WITNESS (Supplier)

Signature & Seal

Name: MERR ANWER KHANI

Designation: SALES ENGR.

Address: 95-G Block-2 PECHS KARACHI.



Tender No. _____

PEOPLES MEDICAL COLLEGE HOSPITAL

NAWABSHAH- SHAHEED BENAZIRABAD

BIDDING DOCUMENT

**PROCUREMENT OF MACHINERY & EQUIPMENT
(Supply & Installation)**

Issued to M/S _____

_____/_____, 2018

Medical Superintendent
Peoples Medical College Hospital
Nawabshah- Shaheed Benazirabad

Dated: _____

**OFFICE OF THE
MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

INVITATION FOR BID

The Medical Superintendent, PMC Hospital, invites the bid:

**PROCUREMENT OF MACHINERY & EQUIPMENT
(Supply & Installation)**

Bidding is open for all eligible bidders. Bidders can obtain bidding / tender documents prescribed from:

Office of the Medical Superintendent, PMC Hospital

Complete set of tender / bidding Documents may be obtained/ Purchased by the interested bidder on written request to the above office and upon payment of non refundable fee of **Rs.2,000 in shape of Pay order in the name of Medical Superintendent, PMC Hospital Nawabshah- Shaheed Benazirabad, till 24-03-2018.**

Tenders/ Bids are to be dropped in the tender box placed / affixed in the MS Office, PMC Hospital Nawabshah- Shaheed Benazirabad on or before **Monday 26th March, 2018 at 12.00pm**

Medical Superintendent
PMC Hospital
Nawabshah-Shaheed Benazirabad

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1) Eligibility Criteria for Bidders:

S. No.	Bidders Eligibility Factor	Requirement	Document Required
1	Registration with Income Tax	<u>Mandatory</u>	Attach Copy of Active NTN certificate
2	Registration with Sales-Tax	<u>Mandatory</u>	Attach Copy Active GST registration Certificate
3	Relevant Experience Minimum of 5 years	<u>Mandatory</u>	Attach copies of Supply Orders with relevant completion certificate or Inspection Report
4	Financial Capacity	<u>Mandatory</u> Annually turnover of PKR. 60 Million for the past 1 year From 1 st march 2017 to 28 th February 2018	Attach supporting Bank Certificate of Company's Bank Account And bank statement showing end turn over of 60 Million
5	Agreement with all the terms & conditions	<u>Mandatory</u> Must unconditionally agree with all the instructions, terms & conditions specified in the bidding documents & contract agreement	Signature & company seal on every page of the bidding document.
6	Delivery time	<u>Mandatory</u> Must agree to serve the Contract within the stipulated time period	Completion time must be clearly specified in the Technical Bid
7	WEBOC ID	<u>Mandatory</u>	For imported items company must have to provide copy of WEBOC ID or Submit Printed online page of ID

NOTE: All above documents are mandatory and bidder failing to submit any of above document treated as non-serious bidder and lead to disqualify his bid and will not consider for further process.

2) Firm/ Contractor Profile:

1. Name of Firm : _____
2. Owner's full name & Complete Postal Address : _____

Owner's CNIC No																			
--------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

3. Tel No: _____ 4. Email address: _____
5. Fax No: _____ 6. Mobile No: _____
7. Authorized Representative's name & designation: _____

8. Type of Business:

- (1) Sole Proprietorship (2) Partnership
(3) Corporation (Private Ltd.) (4) Corporation (Public Ltd)

9. Income Tax Registration #: _____

10. Sales Tax Registration #: _____

11. Year of Establishment: _____

12. Work experience: (Please attach specimen i.e. similar Award of Contract)

- a. _____
b. _____
c. _____

13. Approx. turn-over for the last three years: (In millions)

2015: Rs. _____ 2016: Rs. _____ 2017: Rs. _____

14. Certificates / Awards (if any, please attach)

Furthermore, I undertake that the information provided in this form is correct to the best of my knowledge & in the event of change; details will be provided as soon as possible

Name & Designation: _____

Signature _____ Date _____

CRITERIA FOR EVALUATION OF BIDS

Quality and the following evaluation factors criteria will be employed on technical proposals. The number of points allocated to each factor shall be specified in the evaluation report. Only bids securing minimum of 75% marks would be considered for further process.

EVALUATION CRITERIA (ELECTRO-MEDICAL EQUIPMENTS)

S/NO	13. ASSESSMENT PARAMETER	Marks
3.1	Availability of technical staff of the company / firm in reference to the product.	15
Following two companies shall be considered ascertain the availability / expertise of technical staff:		
A.	Number of technical staff	
i)	At least two technical staff members	05
ii)	01 additional number for every additional technical member shall be granted with maximum up to	05
iii)	Technical staffs academic qualification	05
M.Sc, BS Computer Sciences, BE Engineering from recognized institution shall be granted one additional mark. However, B. Tech shall not be considered for additional mark. M.Sc / Master degree holder from recognized institution shall be 2 additional marks.		
3.2	Manufacturer's local agent capacity for technical services with reference to the product.	15
A.	Repair workshop facility with the diagnostic tools and test equipment as submitted along with the quotation	03
B.	Physical size and facility of workshop attached photo.	03
C.	Test and diagnostic tools list.	02
D.	Service manual and other technical documentation list.	02
E.	Availability of service station at Sukkur/Hydrabad	05
3.3	FINANCIAL SOUNDNESS	12
A.	Income tax paid challan for last three years	06
B.	Balance sheet, audited for the last financial year	04
C.	OR Bank statement for last 3 years	02
If balance sheet and bank statement both are deposited then only marks of balance sheet (8 Marks) would be counted. Tapering down phenomenon regarding rating of marks shall be applied on competitive firms		
3.4	Overall reputation in reference to the product (cliental)	10
Overall reputation of the product shall be envisaged by following criteria:		
A.	References / certificates provided regarding performance of product from head of the concern institute/hospital.	
B.	References/ Certificates of the product shall be verified by the department independently	
C.	Attestation of being Category "A"	
3.5	General overall sale turnover of the organization	10
A.	60% or more sales proportion of medical equipment (quoted items)	10
B.	40% or more sales proportion of scientific equipment	08
3.6	International Sales and country of origin of quoted item	15
A.	Sale of product in two or more continents	15
B.	Sales of production in single continent	10
3.7	Product Certification	10
Certificate FDA /CE (MDD)/JIS		
A.	Any two certificates	10
B.	Any one certificate	08
3.8	Exclusive Agency Certificate , Attested by Embassy, & Chamber of Commerce from native Country of Manufacturer	08
A.	5 years or more for each products or	08
B.	3 years or more for each products	06
C.	Less than 3 years	04
3.9	Other	05
Submission of original brochures and required certificates as per tender terms and Conditions. 05		

3) Assessment Parameter:

Availability of technical staff of the company/firm in reference to the product:

1. Total Number of Technical Staff: _____
2. No. of B.Sc. degree in Bio-Medical Engineering holder _____
3. No. of B.Tech / Diploma holder _____
4. No. of MSc / Master Degree holder _____
5. Details of Engineers _____

S/NO	Name of Engineer	Qualification	Experience No of Years	Manufacturer's training with name of equipment and duration

Signature: _____

Seal: _____

4) Assessment Parameter:

Manufacturer's local agent capacity for technical services in reference to the product.

Physical size and facility of workshop _____

(Please attach photograph or picture of your workshop)

Details of test and diagnostic tools: _____

(Please attach a separate sheet describing the test and diagnostic tools)

Details of service manual and other technical documentation: _____

(Please attach a separate sheet describing the detail of manuals and other supporting documents)

Detail of separate parts and accessories available at workshop: _____

(Please attach a separate sheet mentioning the list of spare parts and accessories)

5) Assessment Parameter:

Financial Soundness

Copy of Income Tax Paid Challan for last three years: _____

Copy audited balance sheet by a recognized audit firm: _____

OR

Copy of Bank statement for the last financial year: _____

6) Assessment Parameter:

Overall reputation in reference to the product (Cliental)

No of References _____

(Reference will be verified)

No of Certificates, regarding performance of the product from head of concerned institute/hospital

Signature: _____

Seal: _____

12) Bidders Questionnaire for Bid

Evaluation Name of Firm: _____

Address: _____

Ph: _____ Fax: _____

Email: _____ Website _____

Details of Quoted Equipment:

Tender Item No	Name of Equipment	Model	Make	Country/Origin

Signature: _____

Seal: _____

13) TERMS AND CONDITIONS:

- 1 In this tender envelope procedure as per SPPRA 2014 rules will be followed i.e. Technical and financial proposal separately, i.e. single stage two envelope system. The envelope must contain tender enquiry No. on the top and TECHNICAL/FINANCIAL PROPOSAL clearly in order to avoid any confusion. The tenders shall be submitted with all documents, drawing literature & catalogue (in equipment) in Technical proposal, with sealing wax. The name of manufacturer or supplier should be affixed on the face of envelop at the left side. Moreover, financial envelopes should contain financial bid each item separately.
- 2 Initially envelope marked as "TECHNICAL PROPOSAL" shall be retained in the custody of the procuring agency without being opened.
- 3 Tenders must be filled in with blue or black ink in the column provided and on separated letter head duly signed.
- 4 The tenders must be free from erasing, cutting and overwriting. in case of erasing, cutting and overwriting, authorized person should initial it.
- 5 Conditional tenders will be ignored and will not be considered / entertained / accepted.
- 6 The rates of each item should be written in figures as well as in words. In case of discrepancy the price in words will be taken as authenticate and final.
- 7 Tender shall be accompanied by Earnest Money @ 2% of the value of stores quoted by them in form of call deposit / pay order/demand draft in the name of Medical Superintendent, PMC Hospital, Nawabshah-Shaheed Benazirabad .
- 8 Original purchase receipt must be enclosed with the technical offer.
- 9 Copy of earnest money (without amount) must be attached along with the technical bid and the original along with financial bid in case of disclosure of price or amount of Earnest Money in the technical bid, the bid will be rejected.
- 10 The bidder shall furnish General Sales Tax (GST) Registration Certificate of the firm failing which the offer will be ignored. In case the item is exempted from GST either documentary evidence or certificate from competent authority shall be attached with the offer.
- 11 The bidder shall furnish copy of valid Professional Tax Certificate, Income Tax Certificate; Last three years paid income tax Challan, proof of registration with Chamber of Commerce.
- 12 The equipment to be imported comply/certificate at CE / FDA standards certificate should be attached along with the offer.
- 13 Bidder should submit a fresh bank certificate showing strong financial capability of firm.
- 14 Tenderer are required to furnish a detail of technical quotation on their letter head and specify the standard and optional items / accessories as required in the tender specification. Bidder should clearly mention make, model and country of origin of the quoted items.
- 15 Tenderer shall purchase separate tender document and furnish purchase receipt for each alternate offer in case they intend submit alternate offer without separate purchase receipt (original) are supposed to be rejected.
- 16 No manufacturer shall authorize their distributor/ agent/ any firm or person to quote the same item which manufacturer quoted it-self in any tender. Failing which offer of both the manufacturer as well as other bidder shall be ignored.

- 17 Bid should remain valid for 90 days from the date of financial opening.
- 18 Price should be quoted for both "C.I.F and FOR" basis in Figure and words failing which the offer will be ignored. FOR offer should be inclusive of all duties/Taxes/Octroi/Transportation, etc. and all other expenses on free delivery to consignee end at Office of the Medical Superintendent, PMC Hospital, Nawabshah-Shaheed Benazirabad .
- 19 In case of purchase of C.I.F, the bidder will bear the charges of clearing agent, warehouse Rent, Airline D/O charges and all other charges including transportation to consignee end excluding custom duty and tax. Certificate will be issued by this office to clarify that the import has been made for the hospital in question so as to avail the facility of exemption of duties/taxes as per Government Rules.
- 20 Sole agent certificate for the quoted items from the Manufacturer must be attached by the bidder. Certificate should be valid for three years from the date of issue which should be verifiable by concerned authority.
- 21 03 years free service including warranty from the date of installation without parts. Additionally assurance for the availability of spare parts for at least 08-10 years may also be confirmed by the bidder.
- 22 Bidders are required to submit proof of past import of quoted items from Manufacturer by submitting copy of bill of entry (Custom Clearance documents). Bill of landing / Airway bill and etc.. along with their bid.
- 23 Free installation along with all accessories including labor charges/demonstration at consignee end must be borne by the bidder.
- 24 The supplier will be bound to train nominated technical personnel (inland/outland) to operate / repair and maintain the supplied equipment.
- 25 List of hospitals, name of department, contact numbers of the end users, in which the quoted equipment are working must be attached. Copy of previous installation report in a reputed Government/Private Teaching Hospitals/ repair certificate if any, of the similar quoted item from the end user should be attached along with the bid.
- 26 Bidders should confirm the presence of Manufacturers trained service/installation Engineers/Technicians and provide the detail of their working experience, Manufacturer training Certificate, list of tools and test equipment, approximate area of workshop in the premises of their office and address along with the bid.
- 27 The original printed catalogue / technical brochure showing detail technical specification, clear photo/picture of the quoted item, Manufacturers address, Phone number, e-mail address and website must accompany with offer.
- 28 For the X-ray Equipments, bidders must submit a valid copy of Registration with PNRA (Pakistan Nuclear Regulatory Authority).
- 29 Store is required immediately. The tendered, may however give their short guaranteed delivery period by which the supply will be completed positively.
- 30 Choice to select /ignore any alternate offer shall rest with the purchaser.

- 31 If the Contractor fails to attain completion of the supply or installation within the time for completion, he shall pay to the purchaser liquidated damages at the rate of 2% per month (0.5% per week) of the Contract Price, or the relevant part thereof. The aggregate amount of such liquidated damages shall in no event exceed 10% of the bid amount. Once the "Maximum Limit" is reached, the purchaser may consider termination of the Contract.
- 32 Procuring Agency is not bound to accept the lowest or any bid, which is otherwise sub standard and of low quality.
- 33 Under no circumstances the bidder shall provide used/repaired/refurbished or defected medical equipment. If such case happened then, the firm concerned will be black listed and earnest money/security deposit will be forfeited.
- 34 If the **uptime percentage** for the measurement period (04 months) shall fall short of 95% the following formula will be applied to determine additional days in the warranty / services contract period.
- | | | |
|----|------------|---|
| a. | 100% - 95% | No Penalty |
| b. | 95% - 90% | The warranty period will be extended by 2.0 times the number of days as extra down time |
| c. | 90% - 80% | The warranty period will be extended by 3.0 times the number of days as extra down time |
| d. | Below 80% | The warranty period will be extended by 4.0 times the number of days as extra down time |
- 35 The firm will be bound to make arrangement for availability of qualified technical staff in hospital/site for prompt execution/coordination of after sale service.

37 **Redressal of grievances by the Procuring Agency**

- The procuring Agency shall constitute a committee comprising of odd number of persons, with proper powers and authorizations, to address the complaints of bidders that may occur prior to the entry into force of the procurement contract.
- Any bidder feeling aggrieved by any act of the procuring Agency after the submission of his bid may lodge a written complaint concerning his grievances not later than fifteen days after the announcement of the bid evolution report under Rule 35.
- The committee shall investigate and decide upon the complaint within fifteen days of the receipt of the complaint
- Mere fact lodging of a complaint shall not warrant suspension of the procurement process
- Any bidder not satisfied with the decision of the committee of the procuring Agency may lodge an appeal in the relevant court of jurisdiction.

14) PURCHASER'S RIGHT TO VARY QUANTITIES AT TIME OF AWARD .

The purchaser reserve the right to increase/decrease or delete the quantities of goods etc at the time of award of contract and also reserve the right to enhance the quantity goods and services originally specified in the schedule of requirements without any change in unit price of other terms and conditions of goods at any time during contract period.

15) NOTIFICATION OF AWARD/ADVANCE CONTRACT:

16.1 Prior to the expiration of the period of the bid validity, the purchaser will notify the successful bidder in writing, delivery by hand or by register by cable to be confirmed that their bid has been accepted.

16.2 The notification of award will constitute the formation of the contract.

16) AWARD OF CONTRACT & CONTRACT AGREEMENT.

Subject to the fulfillment of all codal formalities, the purchaser will award the contract to the successful bidder whose bid has been determined to be qualified to perform the contract satisfactory.

17) PERFORMANCE OF SECURITY.

The successful tendered will have to deposit with the purchase security depots as under in shape of call deposit / bank guarantee at the rate of 3% of the value of the contract.

18) TERM OF PAYMENT:

19.1 in case of purchase on CIF, this office will establish Letter of credit for 70% of contract value in favor of Manufacturer, remaining 30% payment will be release in the equivalent Pak. Rupees of CIF amount after successful completion of delivery of equipment at consignee end. Insurance charges for opening I/C and the difference in currency fluctuation will be borne by bidder.

19.2 Terms of payment for F.O.R purchase 100% after supply of equipment at consignee end.

19) FEE FOR AWARD OF CONTRACT:

Stamp duty @0.3% shall be borne by the suppliers.

20) UNDERTAKING

21.1 That I/We agree whether our tender accepted for total, partial or any single item. I/We also agreed to supply and accept the said item at the rates for the supply of contracted quantity within the stipulated period shown in the contract.

21.2 I/We understand and confirm the refund of cost different if the same good is/was supplied at lower rates to any other Government / Semi Government Institution in the Province in same fiscal year.

21.3 I/we undertake that: that I any of the information submitted in accordance to this tender enquiry found incorrect our contract may be cancelled at any stage on our cost and risk.

21.4

CERTIFICATE

We guarantee to supply the stores exactly in accordance with the requirement specified in the invitation to this tender

Signature of Tendered: _____

Name & Designation: _____

Address: _____

21) BID FORM AND PRICE SCHEDULE

Dated _____

Tender No. _____

To:

[name and address of Procuring agency]

Gentlemen and/or Ladies;

Having examined the Bidding Documents including addenda nos: [insert number's], the receipt of which is hereby duly acknowledged, we, the under signed, offer the supply and deliver [description of goods and service] in conformity with the said Bidding Documents for the sum of [total Bid Amount in words and figures], or such other sums as may be ascertained in accordance with the schedule of Price attached herewith and made part of this bid.

We undertake, if our bid is accepted, to deliver the goods in accordance with delivery schedule specified in the schedule of requirements.

If our bid is accepted, we will obtain a guarantee of a bank in the sum of equivalent to _____ percent of the Contract Price for the due performance of the Contract, in the form prescribed by the Procuring Agency.

We agree to abide by for a period of [number] days from the date fixed for bid opening as per bid terms and condition, and it shall remain binding upon us and may be accepted at any time before the expiration that period.

Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and your notification of award shall constitute a binding Contract between us.

Commissions of gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded to contract, are listed below;

Name and address of agent	Amount and Currency	Purpose of commission or gratuity
---------------------------	---------------------	-----------------------------------

_____	_____	_____
-------	-------	-------

We understand that you are not bound to accept the lowest or any bid you may receive. Dated this _____ day of, 2017.

Signature: _____

In the capacity of: _____

Duly authorized to sign bid for and on behalf of _____

22) BID SECURITY FORM

Whereas, [name of bidder] (hereinafter called the Bidder) has submitted its bid dated [date of submission of bid] for the supply of [name /or description of goods] (hereinafter called the bid).

KNOW ALL PEOPLE by these presents that we [name of bank] of [name of country], having our registered office at [address of bank] (hereinafter called the bank) are bound up to [name of procuring agency] (hereinafter called "The procuring Agency") in the sum of for which payment well and truly to be made to said procuring agency, the bank binds itself, its successors and assigns by these presents. Sealed with the common seal of the said bank this day of _____, 20_____

The conditions of this obligation are:

1. If the bidder withdraws its bid during the period of bid validity specified by the bidder on the bid for:

OR

2. If the bidder, having been notified of the acceptance of its bid by the procuring agency during the period of bid validity:
3. Fails or refuses to excuse the contract form, if required; or
4. Fails or refuses to furnish the performance security, in accordance with the instruction to bidders.

We undertake to pay to the procuring agency up to the above amount upon receipt of its first written demand, without the procuring agency having to substantiate its demand, provided that in its demand the procuring agency will note that the amount claimed by it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including twenty eight (28) days after the period of bid validity, and any demand in respect thereof should reach the bank later than the above date.

[Signature of Bank]

23) CONTRACT AGREEMENT

THIS AGREEMENT made at _____ day of 20_____ between [name of procuring agency] of [country of procuring agency] (herein after referred to as the "Procuring Agency") of the on Part; and [name of supplier] of [city and country of supplier] (herein after called the "Supplier") of the other Part.

WHERE AS the Procuring Agency invite bids for certain goods and ancillary services, viz [brief description of goods and service] and has accepted the bid by the Supplier for the supply of those goods and service in the sum of [contract price in words and figures] (hereinafter called "the contract price)

Now this Contract Witness as Follows:

1. In this agreement words and expressions shall have the same meanings as are respectively assigned to them in the General Conditions of this Contract hereinafter referred to:
2. The following documents shall be deemed to form and be read and construed as part of this agreement, viz:-
 - a. The Bid form and Price Schedule submitted by the Bidder;
 - b. The Schedule of requirements;
 - c. The technical Specification;
 - d. The General Conditions of Contract;
 - e. The Special Conditions of Contract;
 - f. The Procuring Agency's Notification of award;
3. In consideration of the payments to be made by the Procuring Agency to the Supplier as hereinafter mentioned, the supplier hereby covenants with the Procuring Agency to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of this Contract.
4. The Procuring Agency hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of this contract at the time and the manner prescribed by this Contract.

IN WITNESS whereof the parties here to have caused this agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed, delivered by _____ the _____

(For the procuring agency)

Signed, sealed, delivered by _____ the _____

(For the supplier).

24) PERFORMANCE SECURITY FORM

To,

[Name of the Procuring Agency]

[Whereas name of Supplier] (Hereinafter called "the Supplier") has undertaken in pursuance of

Contract No. [Number] dated [date] to supply [description of goods] (hereinafter called "the Contract").

And whereas it has been stipulated by you in the said Contract that the Supplier shall furnish you with a Bank Guarantee by a reputable bank for the sum specified therein as security for compliance with the Suppliers performance obligations in accordance with the Contract.

And whereas we have agreed to give the Supplier a Guarantee.

Therefore we hereby affirm that we are Guarantors and responsible to you on behalf of the Supplier up to a total of [amount of the Guarantee in words and figures] and we undertake to pay upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within limits of [Amount of Guarantee] as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the _____ day of _____ 20____

Signature and seal of the Guarantors / Bank: _____

[Name of Bank or Financial Institution] _____

[Address] _____

[Date] _____

25) MANUFACTURER'S AUTHORIZATION FORM

To,
[Name of Procuring Agency]
[Tender No]

WHEREAS [name of the Manufacturer] who are established and reputable Manufacturers of [name and/or description of the goods] having factories at address of factory]

Do hereby authorize [name and address of Supplier/ Agent] to submit a bid, and subsequently negotiate and sign the Contract with you against IBF No.[Reference of the invitation to Bid] for the goods manufactured by us.

We hereby extend our full guarantee and warranty as per Clause 15 of the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Bids.

[Signature for and on behalf of manufacturer]

Note:
This letter of authority should be on the letter head of the Manufacturer and Should be signed by a person competent and having the power of attorney to bind the Manufacturer. It should be included by the bidder in its bid.

26) Tender Price Assessment and Tax liability

i. Tender Price Assessment Mechanism

- Initially, Eligibility of Bidders as required under the heading "Letter of invitation for Bids" shall be assessed by the "PROCUREMENT COMMITTEE" during the Technical evaluation in the following manner:

FORMAT FOR ASSESMENT OF BIDDERS ELIGIBILITY				
Bidders Eligibility Factor	Requirement	Bidder 1	Bidder 2	Bidder 3
		YES / NO	YES / NO	YES / NO
Registration with Income Tax	Copy of NTN attached?			
Registration with Sales-Tax	Copy of GSTRN attached?			
Relevant Experience	For Self-experienced / Old Firms: 3 Nos. of Supply Orders with relevant completion certificate or Inspection Report of successfully completed similar assignments in past 3 year/s attached?			
	For In-experienced / New Firms: Signed & stamped copy of MoU / JV or Agreement of support, with a Firm fulfilling the above mentioned criteria duly attested by Notary Public attached?			
Financial Capacity	Bank Certificate of Company's Bank Account certifying annual turn-over of PKR. 3.00 million for the past 3 years attached?			
Agreement with all the terms & conditions	Signature & company seal at the end of bidding document affixed.			
Delivery time	Quoted completion time within the stipulated time period?			

- Firm must score "YES" in all requirements of the eligibility criteria to be categorized as Eligible. "NO" to any requirement of the eligibility criteria, by any bidder shall render the Firm as Ineligible.
- Upon completion of assessment of Bidders eligibility, Technical Proposals of Eligible Firms, shall further be technically evaluated by the "TECHNICAL COMMITTEE OR THE TECHNICAL MEMBER OR THE PROCUREMENT COMMITTEE ITSELF." (if the required items are not technically complex) in the following format:

FORMAT FOR TECHNICAL EVALUATION OF BIDS

Technical Requirement/s	Eligible Bidder 1		Eligible Bidder 2		Eligible Bidder 3	
	Fulfill Requirement YES / NO	Reason	Fulfill Requirement YES / NO	Reason	Fulfill Requirement YES / NO	Reason
Requirement 1						
Requirement 2						
Requirement 3						
Requirement 4						
Requirement 5						

- All Bid/s not fulfilling the technical requirements shall be declared as Non-Responsive. The remaining / Responsive Bids shall further be financially evaluated in the following manner:

--	--	--	--	--	--	--	--

5. Bid/s found to be financially lowest among the Responsive Bids shall be recommended for the award of contract.

(ii) **Terms and Conditions of contract agreement:**

1. Completion time may be clearly specified. Where completion time shall mean; time consumed in delivery of the ordered items to the respective Hospital.
2. Maximum delivery time for the order is 45 days from the date of Supply Order (bids quoting greater lead times are likely to be rejected)
 - a. **Delivery Time:** The firm should agree to complete the supply within 30 days for local and 90 days for imported items from the date of award of contract .
 - b. **Service Agreement:** The firm who successfully qualify in any items is legally bound with us to give two years (2) repair and maintenance service agreement with our organization of each item which delivered to our hospital.
 - c. **Quantity:** Quantity may be increased or decreased as per hospital requirement.
3. In case of late delivery, the supplier may be blacklisted and late delivery penalty shall be imposed at the rate of 0.1% (of the value of items delivered late) per day, up to a maximum of 10% of the Contract Value (As specified in the Contract).
4. The Consignment, as per the Supply Order, must be accompanied by the authorized representative (technical) at the time of delivery at respective offices.
5. Quantity may vary as per requirement of procuring agency upto 10% of the quantities as specified in the data sheet of the assignment.
6. Work may be split among multiple bidders depending upon the financial and technical criteria (including the lead time) of each item OR awarded to the bidder having lowest total cost of all items mentioned in data sheet.
7. Provision of partial payment does not exist in this Tender; payment shall be made within one month from the date of successful inspection.
8. Payment release is subject to satisfactory inspection by the joint team comprising of:
 - i. The Purchase Committee notified by the Government of Sindh.
 - ii. Authorized representative of the Vendor (To be clearly specified in the Tender Documents).
9. The firm will supply items after the inspection of the Committee

10. For clarification of contents of bidding documents shall be submitted in written at least five calendar days prior to the date of opening of bid.
11. Bid Security of unsuccessful bidders shall be released within thirty (30) days of declaration of their bids as non-responsive.
12. Bid Security of successful bidders shall be retained for two (02) months after successful inspection of supplied items by the committee.
13. The bidder shall be responsible to provide services/ replacement/ repair needed during the warranty period.

27) Instructions for Bidders/ Suppliers

1. The bid must be submitted in original tender documents obtained from the office of the Medical Superintendent, PMC Hospital Nawabshah-Shaheed Benazirabad by submitting challan receipt of Rs 2000/- and the challan receipt is to be submitted with tender documents.
2. The bidder must quote the specification and rates of all items mentioned in data sheet, otherwise will be considered as non-responsive.
3. The bidder must quote the rate of each item separately and should be valid up to 30.06.2018.
4. The tender must be submitted on the printed pad of the company in sealed cover and the original receipt of tender fee must be attached with the bidding documents.
5. The bidder shall submit all documents relevant to the "eligibility criteria for bidder and Technical evaluation criteria" mentioned above.
6. Firm/ company/ supplier blacklisted by any government department are not eligible to participated in the bid.
7. The committee before placing the purchase order reserves the right:
 - i. To scrap the enquiry
 - ii. To increase or decrease the quantity
 - iii. To drop any item
8. The offer shall remain open for acceptance for the period of (45) days from the date of opening of tender.
9. The contractor cannot sublet or assign the whole or any part of the contract to any other company/ firm/ person.
10. The contractor shall obtain all the information pertaining to contract before submitting the tender; otherwise no reason will be acceded.
11. Only one authorized representative is allowed to attend the bid opening meeting.

28) Terms of reference and technical specifications

1. SPPR: Sindh Public Procurement Rules, 2014
2. SPPRA Act (Sindh Public Procurement Regulatory Authority)
3. Technical specification as per the Data Sheet developed by the Procurement Committee.

29) Tax Liability

1. Complete Tax liability is to be borne by the Vendor
2. Quoted prices shall be inclusive of all applicable Taxes, be filled item-wise as per the afore-mentioned format and may not be applied to the sub-total of the package.
3. In-case of any Tax exemptions, exemption certificate from the concerned Tax Office / Regional Tax Office pertaining particularly to this case may be provided; otherwise taxes shall be deducted as per Government of Sindh Rules.

30) Currency & Bid Validity

1. Tenders must be quoted in Pakistani Rupees (PKR).
2. Validity of the bid would be 90 days from the date of Tender opening

31) AFFIDAVIT

I solemnly undertake that:

- a) Having read understood and made myself aware of all the Terms & Conditions mentioned in this bidding documents and the Rules, Regulations & Policies of the government of Sindh, governing the procurement of financial matters, AGREE, ACCEPT & UNDERTAKE TO ABIDE BY THE SAME.
- b) The information provided in this form is correct to the best of my knowledge & in the event of change detail will be provided as soon as possible.

Dated _____

Authorized Signature of Bidder with Seal and Stamp

Full Name of the Firm _____

NTN No _____

GST No _____

Contact No _____

To be attested by 1st Class Magistrate or Oath Commissioner

ITEM NO. 01

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

ECG Machine 6 channel

Qty

10

- One time record : 3/6/12 channels
- Width of record : 112mm
- Outside USB printer : printout A4 (210x297)
- Record speed : 5/10/25/50 mm/s
- Sensitivity : 2,5/5/10/20 mm/mV
- Digital filtration of disturbances : 25,35,50,60 Hz
- Display : 5,7" graphic, color TFT 320x240
- Analysis and interpretation : HES compliant with EN 60601-2-51
- Internal memory : >300 tests
- Alphanumeric keyboard
- Detection of stimulator impulses (pacemaker)
- Automatic regulation of isoelectric line
- Constant measurement of heart action (HR)
- Acoustic signalization of detected stimulations
- Paper easy-load
- Record of test copy on PENDRIVE, in standard EN1064 (ECG-SCP)
- Signalization of wrong connection with particular electrodes
- Available versions in national languages
- CMMR : >100dB
- Sampling Frequency : 1000 Hz
- Converter : 12bit
- Resolution : 0,25uV/bit
- Input impedance : >10 M Ω
- Dynamic range : 10mVpp
- Frequency band : 0,05-150 Hz
- Leads : 12 standard/ Cabrera
- Input channels : floating, protected from impulse defibrillating CF
- Power : 90-240V, 50/60Hz
- Inside rechargeable battery: Li-ion 7,2V; 2200mAh Li-ion
- Power consumption : <30VA
- Dimensions: 260W x52H x220D mm
- Weight : < 1,8 Kg
- Fulfilled standards : EN 60601-1, EN 60601-1-2, EN 60601-2-25,
- EN 60601-2-51

- Safety : protection type CF (EN60601-1) Class I
- Class / Group : Class A / Group 1 (CISPR-11)
- Operating environmental conditions :
 - Temperature +10 to +40 °C
 - Relative humidity 25 to 95% (non-condensing)
- Patient cable
- Electrodes set
- Gel flacon - Paper roll
- Power cable
- User manual
- PC software for data management
- Carrying case

OR EQUIVALENT

FDA/CE/JIS APPROVED

USA/EUROPE/JAPAN/UK

ITEM NO. 02

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	BEDSIDE PATIENT MONITOR	Qty	50
<p>SIZE AND WEIGHT Size 366mm X 330mm X 162mm Weight 5 kg</p> <p>DISPLAY 15" Color TOUCH TFT-LCD Resolution 1024 X 768 pixels or higher</p> <p>POWER SUPPLY Power Voltage AC 100-240V 50/60Hz Power Imout ≤ 85VA Fuse: T1.6AL/250V, Φ5X20 (mm) Safety class: Category I</p> <p>BATTERY Type: rechargeable Lithium battery Charge time: ≤ 6 hours Operating time under normal use and full charge: ≥ 120 minutes</p> <p>THERMAL RECORD (OPTION) Method: thermal dot array</p>			

Paper width: 50mm (1.97 in)

Paper Speed: 12.5/25/50 (mm/sec)

Traces Maximum: 3 tracks

SYSTEM OUTPUT

Ethernet Network standard RJ45 socket

RF Wireless LAN: 433MHz, 10mW (option)

Nurse call output

Defibrillation Output: Option

Video Output: Option

ALARM

Three Level: Low, medium and high

Indication: Auditory and visual

Setup: Default and custom

Silence: All alarms can be silenced

Volume: 45~85 dB measured at 1 meter

TREND

Store & review 168 hours trend data and trend maps

Parameter option: HR, SpO₂, NIBP, PR, Resp, CO₂, Temp1,

Temp2, AA, N₂O, O₂, IBP1, IBP2, ST, C.I..

Cycle intervals of trend storage 1min, 2min, 3min, 4min, 5min,
10min, 15min, 20min, 25min, 30min.

STORE & REVIEWING

ECG: 30 minutes one important lead's ECG waveform

Alarm: 1800 groups Alarm events reviewing

NIBP: 1000 groups NIBP measurement

Arrhythmia: 128 groups data (8 seconds ECG waveform)

Power-off storage: 72 hours trend data & 1 ECG waveform (option)

ENVIRONMENT

Working temperature: 0~+40°C

Transportation and storage temperature: 20~+55°C

Relative humidity: Working ≤ 85%

Transportation and storage ≤93%

Atmospheric pressure: Working 860~1060 hPa

Transportation and storage 500~1060 hPa

STANDARD CONFIGURATION:

ECG, HR, RESP, NIBP, SpO₂, PR, 2-TEMP, Lithium Battery

OPTION:

2-IBP, Recorder, EtCO₂ (side stream, main stream), Anesthetic Gas, Nellcor

SpO₂, ICG, SD memory card

ECG

Mode: 5-leads (standard); 3-leads

Lead selection: I, II, III, aVR, aVL, aVF, V1~V6 (option)

Gain: AUTO, 0.25x, 0.5x, 1.0x, 2.0x, 4.0x

Insulation Breakdown Voltage 4000VAC 50/60Hz

Sweep speed 12.5mm/s, 25mm/s, 50mm/s

HR Range: 10~350 bpm

HR Accuracy $\pm 1\%$ or ± 1 bpm, whichever is greater

ST SEGMENT

Measurement Range – 2.0mV~2.0mV

Resolution 0.01mV

RESP

Method: Impedance variation between RA-LL (R-F)

Measurement Range: 0~150 rpm

Accuracy: ± 2 rpm

Gain: x1, x2, x4

Sweep speed 6.25mm/s, 12.5mm/s, 25mm/s

TEMP

Measurement Range: 0~50.0°C

Unit: Celsius (°C), Fahrenheit (°F)

Accuracy: ± 0.1 °C (exclusive of probe)

Connecting cable: Compatible with YSI-400

SpO2

Measurement Range 0~100%

Accuracy 70~100%, $\pm 2\%$

0~69%, unspecified

PR Range 25~250 bpm

PR Accuracy $\pm 1\%$ or ± 1 bpm, whichever is greater

NIBP

Technique: Automatic oscillometry

Range: Adult: 10~270 mmHg

Child: 10~235 mmHg

Neonate: 10~135 mmHg

Accuracy: Static $\pm 2\%$ or ± 3 mmHg, whichever is greater

Unit: mmHg, kPa

Pulse rate range: 40~240 bpm

Intervals for AUTO measurement: 1,2,3,4,5,10,15,20,30,45,60,90

minutes 2,4,8 hours

IBP (OPTION)

Channel: 2

Measurement Range: -50~ +300 mmHg

Unit: mmHg, kPa

Accuracy: ± 2 mmHg or 2%, whichever is greater

EtCO₂ (OPTION, Sidestream, LoFlo)

Range 0~19.7% (0 ~ 150 mmHg)

Unit: %, mmHg, kPa

Respiration Rate Range 2~150 bpm

OR EQUIVALENT

FDA/CE/JIS APPROVED

USA/EUROPE/JAPAN/UK

ITEM NO. 03

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	BLOOD GAS ANALYZER	Qty	01
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Display: 5.4" LCD-display, illuminated, 15-lines, 30 characters

- Measured Parameters: pCO₂ , pO₂ , K⁺ , Na⁺ , Li⁺ , Cl⁻ , Ca⁺⁺, pH, Glu, Lac, tHb, barometric pressure

- Calculated Parameters: HCO₃^{-A}, HCO₃^{-S}, BE, BE_{ecf} (SBE), TCO₂ , BB, O₂ sat, O₂ CT, P50, AaDO₂ , Hct, H⁺ , AGAP, SHUNT, Acid Base Status

- Throughput: Up to 80 tests/hour depending on configuration

- Sampling Method: Aspiration system adapted for both capillary and syringes, cleaned with Rinse Solution automatically

- Sample Volume: 50-200 μ l depending on measured parameters

- Sample Types: Whole Blood, Arterial Blood, Urine, Serum

Plasma, Respiration Gas

- Calibration: 2-Point calibration in standard and economy modes suited to your working hours.

- Measurement Temperature of Electrodes and Sensors: Electrodes and Sensor temperature automatically adjusted to 37.0°C \pm 0.2 during measurements.

- Data Capacity: 2 GB SD Card, 32000 measurements and QC data sets

OR EQUIVALENT

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ITEM NO. 04

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

BIPAP VENTILATOR

Qty

02

Environmental operating Temperature from 5 °C to 35 °C or more and storage temperature capacity from -20 °C to °C or more and non-condensing capability.

- Standard physical dimension.
- Atmospheric pressure from 101 to 77 kPa or more.
- General requirements for safety of Medical and electrical equipment.
- Electromagnetic compatibility RTCA / DO -160F
- Protection against electric shock type BF
- Auto pressure accuracy Bi-level I Bi-level pressure.
- With Full Face Mask, software CD, Data storage and review facility and more
- Modes should be CPAP, Spontaneous, Spontaneous/Timed, Timed, Pressure Control with average volume assured pressure support feature.
- Features of average volume assured pressure support to automatically adapt to disease progression and changing patient needs on desire.
- Displayed parameters like Patient pressure, leak, tidal volume, minute ventilation, and respiratory rate.
- Patient alarms like Patient Disconnection, Apnea, Low Minute Ventilation, Low Tidal Volume - option for Heated Humidification.
- Inspiratory time 0.5 to 3.0 seconds
- IPAP 4 to 30 cmH2O
- EPAP 4 to 25 cmH2O
- Target tidal volume 200 - 1500 ml
- Breath rate 0 - 30 bpm

OR EQUIVALENT

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ITEM NO. 05

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

DEFIBRILATOR

Qty

10

Defibrillator with Monitor/Recorder Biphasic 200!

- Biphasic transthoracic (external) defibrillator with display of 5.5" screen or more.
- Synchronized output with ECG

- Manual and AED Mode.
- Control of energy charges / delivering on main panel and apex paddle.
- Charging indicators
- The energy range should be adjustable for peds and adults up to 200J or more.
- Charging time for full energy should be less than 7 sec.
- Display of heart rate, ECG through paddles and lead I,II&, III patient cables.
- Built-in recorder for printing of full summary of standard 50mm paper.
- Alarm for high and low heart rate, low battery warning.
- Built in rechargeable battery with charges for more than 100 shocks
- Auto test/self-check
- External pediatric and adult paddles.
- ECG cable
- AC 220V/50Hz operated

OR EQUIVALENT

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ITEM NO. 06

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	INFUSION PUMP	Qty	30
<p>Display: 4.3" LCD TFT touch screen, 10 levels display brightness contrast</p> <p>Infusion mode: 7 modes available: ml/h, body weight, drip, loading dose, ramp, sequence and relay mode</p> <p>Micro mode: 100 ml to 1200ml programmable</p> <p>Infusion rate range: 0.01 – 1200 ml/h with min. increment 0.01 ml/h</p> <p>System Accuracy: ≥ 1 ml/h, $\pm 5\%$</p> <p>KVO Rate: 0.01 - 5.00ml/h, default value is 1 ml/h</p> <p>Minimum flow rate increment: 0.01ml/h</p> <p>Bolus: Manual bolus and programmable bolus, anti-bolus support</p> <p>Bolus volume: Minimum 0.1ml, max 50ml</p> <p>VTBI (volume to be infused): 0-9999ml, minimum step is 0.01ml</p> <p>Total Volume infused: 0.01-9999.99ml, minimum step is 0.01ml</p> <p>Time Range: 1min-99hrs59min</p> <p>Purge: 1200 ml/h</p> <p>Air detection: 7 levels, sensitivity 20μl</p> <p>Occlusion levels: 12 levels, upstream and downstream occlusion</p>			

History records: More than 5000 records

Other functions: Nurse call, RS232, data export

Interface: Mini USB

Dimensions: 234(W)*99(D)*120(H) mm

Weight: 1.8kg

Power Supply

AC power supply: AC 110/240V, 50/60 Hz

Input power: 50 VA

DC power supply: DC 15V lithium battery

Specification: 11.1V 2600mAh

Charging time: 5h (under OFF state)

Working time: ≥9h (after completely charging the new battery, when the environment temperature is 25°C and flow rate is 25ml/h, the constantly working time)

Alarms

Visual and audible alarms information: VTBI near end, VTBI infused, Pressure high, Check upstream, Battery nearly empty, Battery empty, No battery inserted, No power supply, Reminder alarm, Standby time expired, KVO finished, Drop sensor connection, Drop error, Air bubble, Door Open

Environment

Operating: temperature: 5-40° C

humidity: 20-90%, non-condensable

atmospheric pressure: 86-106kPa

Transport & Storage: temperature: -20-60° C

humidity: 10-95%, non-condensable

atmospheric pressure: 50-106kPa

Optional

IrDA, WIFI, drop sensor, docking station and intravenous central station.

OR EQUIVALENT

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ITEM NO. 07

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	SYRINGE PUMP	Qty	20
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Specification:

Display: 4.3" TFT color touch screen

Infusion mode: 7 modes available (ml/h, body weight, TIVA, loading dose, ramp up/down, sequence and relay mode)

Micro mode: 100 ml/h – 1200 ml/h, programmable

Infusion rate range: 0.01 – 1500 ml/h depending on syringe size with min increment 0.01 ml/h

Compatible syringes: 5ml, 10ml, 20ml, 30ml, 50/60ml

System accuracy: ≥ 1 ml/h, $\pm 2\%$

Infusion rate: Syringe size 5ml: (0.01-100) ml/h; 10ml: (0.01-200) ml/h; 20ml: (0.01-400) ml/h; 30ml: (0.01-600) ml/h; 50ml: (0.01-1500)ml/h

Bolus rate: Syringe size 5ml: (0.1-100) ml/h; 10ml: (0.1-200) ml/h; 20ml: (0.1-400) ml/h; 30ml: (0.1-600) ml/h; 50ml: (0.1-1500)ml/h;

Purge rate: Syringe size 5ml: 100 ml/h; 10ml: 200 ml/h; 20ml: 400 ml/h; 30ml: 600 ml/h; 50ml: 1500 ml/h

KVO rate: 0.01-5.00ml/h default value is 1 ml/h

Micro mode settings range: Syringe size 5ml: (100-100) ml/h; 10ml: (100-200) ml/h; 20ml: (100-400) ml/h; 30ml: (100-600) ml/h; 50ml: (100-1500)ml/h

Minimum flow rate increment: 0.01ml/h

Bolus: Manual bolus and programmable bolus, anti-bolus support

Bolus Volume: Syringe size 5ml: Minimum 0.1ml, max 5ml; 10ml: Minimum 0.1ml, max 10ml; 20ml: Minimum 0.1ml, max 20ml, 30ml: Minimum 0.1ml, max 30ml; 50ml: Minimum 0.1ml, max 50ml

VTBI: 0-9999ml, minimum step is 0.01ml

Total Volume Infused: 0.01-9999.99ml, minimum step is 0.01ml

Time Range: 1min-99hrs59min

Purge: 100-1500 ml/h depending on syringe size

Occlusion levels: 12 levels

History records: More than 5000 records

Other functions: Nurse call, RS232, data export

Interface: Mini USB

Dimensions: 394(W)*90(D)*123(H) mm

Weight: 1,7kg

Power Supply:

AC power supply: 100-240V 50/60Hz

Input power: 50VA

DC power supply: DC 15V lithium battery

Battery Specifications: Model: DC 203

Specification: 11.1V 2600mAh

Charging time: 5h under OFF state

Working time: ≥ 12 h (after completely charging the new battery, when the environment temperature is 25°C and flow rate is 5ml/h, the constantly

working time)

Alarm

Alarm information: VTBI near end, Syringe near empty, VTBI infused, syringe empty, pressure high, battery nearly empty, battery empty, no battery inserted, no power supply, check syringe, reminder alarm, Standby time expired, KVO finished

Environment

Operating: temperature: 5-40° C
humidity: 20-90%, non-condensable
atmospheric pressure: 80-106kPa

Transport & Storage: temperature: -20-60° C
humidity: 10-95%, non-condensable
atmospheric pressure: 50-106kPa

Optional

IrDA, WIFI, drop sensor, docking station and intravenous central station.

OR EQUIVALENT

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ITEM NO. 08

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	CENTRAL MONITORING STATION	Qty	02
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Features

Central Monitoring System is kind of intelligent central multi-bed and multi-physiological parameter monitoring system, connected by network with beside units, suitable for performing continuous monitoring of several patients in CCU and ICU wards simultaneously.

Large storage capacity

96 hours holographic ECG waveform storage and Replay

240 hours trend graph review

1,000 alarm record

30,000 patient historical data

Alarm data saves all physiological parameters and waveforms

12 seconds before and after the alarm

Strong printing function

Support various kinds of printers

Can print case reports at any time so as to timely master the patient's info

Copy screen print for single bed, with 13 channels of waveform at most

Data review print including the trend graph review, trend list replay, ECG review and alarm incident review

Easy and convenient operation

Large font screen

Provide indication of probe detachment

Provide detailed notes to facilitate operation

Can record, search and classify the abnormal ECG events

Bi-directional communication with bedside unit

Central Unit able to remotely control the bedside unit to measure EP

Technical specifications

In accordance with IEC60601 standard

Power supply: AC 100-120 / 200-240V, 50/60 Hz

Minimum system requirements

Intel Pentium IV 2.4GHz CPU or above

256MB RAM or above

Windows 2000+SP4 or Windows XP + SP2 system

80GB Hard disk or above

40X CD-ROM or above

17" TFT, Resolution: 1280 x 1024, 75Hz (4:3) non-interlaced scanning

Computer configuration could be defined and updated

Network management

Wire connect:

- TCP/IP protocol
- 10/100 Base-T Ethernet
- Connected to PG M7000 / PG M9000 / PG M9500 / PGM60 / PGM80

- Connected bedside unit number: up to 66 bedside monitors

- Connection can use the available network system of the

Hospital

Wireless connect:

- Working frequency band is 433.92MHz
- The reliable clear view distance indoor is 30 meters in semi diameter, with relay station reaches above 1000 meters

- Can collect and display several physiological parameters and

Show 3 waveforms measured by bedside unit

- Connected bedside unit number: up to 16 bedside monitors

Performance

Waveform: ECG (I, II, III, aVR, aVL, aVF, V1-V6) RESP, CO₂,

IBP1, IBP2, SpO2

Parameter: HR,RR, NIBP, IBP, SpO2, PR, TEMP, CO2 (EtCO2, FiCO2), Anesthetic Gas (O2, N2O, SA^)

Sweep speed: 12.5mm/s, 25mm/s, 50mm/s user-adjustable

View bed: Up to 66 waveforms for 32 bedside monitors (dual-screen display)

Possible to select required beds and automatically align the screen windows

All waveform presentation for one patient

Oxy CR:5 display

7-leads or 12-leads ECG waveform display

Waveform frozen

Remote Monitor Control

Bi-directional communication

Central Unit able to remotely control the bedside unit to measure BP

Alarm

Alarm limits can be set up for all parameters

Sound and indicator light alarms are provide for exceeding the limit of: HR / RESP / SPO2 / PULSE / BP / TEMP / Co2

Alarm waveform saves all the physiological parameters and

Waveforms before and after the alarm

Arrhythmia alarm

Support input and output alarm data

Review information

96 hours holographic ECG waveform storage and replay

240 hours trend data storage and replay for each bedside unit

1,000 records of alarm messages storage and replay for each bedside unit

30,000 history patient monitoring information

Calculations

Drug calculation and titration table

17 types of arrhythmia analysis

OR EQUIVALENT

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ITEM NO. 09

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Qty	08
O.T TABLE FOR GYNE AND UROLOGY		
Radiolucent tabletop.		
Built in X-ray Cassette Channels		

Table length 2100mm
 Table width 500 mm or more with rails.
 Table Height (min) 690 mm to (max)-1040 mm
 Lateral tilt - 20 / +20 degree or more
 Trendelenburg-25/+25° maximum from horizontal
 Reverse Trendelenburg 25° maximum from horizontal
 Back rest adjustment up 80°/+12° max
 Leg plate adjustment up 10°/100°/100° maximum.
 Flex / Reflex 192°/100°
 Sliding Table Top Upto310mm
 Auto Leveling
 Spread of split leg plates 90 degree.
 Manual Head plate adjustment -90 / +90 degree.
 Patient Weight capacity 200kg or more.
 Central Break
 Kidney Bridge 120mm height
 Manual Over Ride
 Complete with : Anesthesia Screen, Arm Boards ,lithotomy pole, drain pan, Basic Straps ,
 Safety Clark Sockets
 Complete High Quality S.S Base
 Battery backup Up to 4Hrs

OR EQUIVALENT

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ITEM NO. 10

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

O.T LIGHT- DOUBLE DOOM SURGICAL LIGHT WITH BATTERY + CAMERA + MONITOR & 1 CAMERA SYSTEM WITH COMPLETE INSTALLATION	Qty	08
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Note : OT LIGHT & CAMERA SYSTEM SHOULD BE QUOTED SEPARATELY (external video stream through WIFI or Wiring installation from OT)

LIGHT -1

- Dimension Cupola: 700mm
- Light Intensity : 160,000 LUX at 1 meter

LIGHT -2

- Dimension Cupola: 500mm
- Light Intensity : 90,000 LUX at 1 meter
 - Color Temp: Adjustable from 3500 to 5000K
 - Color rendering Index: ≥ 93
 - Diameter of light spot: 120-350 MM

- ▷ Illumination Depth: 700-1500 MM
- ▷ LED Service Life: 50000 Hours
- ▷ Control Via LCD
- ▷ Battery Backup: ≥ 2 Hours

CAMERA:

- Resolution: ≥ 200 Megapixel 920 x 1080
- Communication Mode: RS232
- Communication Protocol: HITACHI/SONY/VISCA or Equivalent
- Connector: LVCMOS-36PFPC
- Compatibility: 110/LVDS/30P
- Sensor Type: 1/2.9" CMOS
- Scan Mode: Progressive Scan
- Day and night system: Color/Black and white/Automatic
- Minimum Illumination: Color 0.1 Lux, Black and white: 0.01LUX
- Exposure Mode: A/M
- White Balance: Automatic/Indoor/Manual
- Focus Mode: A/M
- Gain Control: A/M
- Picture Effect: Automatic/Color/Black and white/Negative

Electronic Amplification

- Back Light Compensation: On/OFF

Image Freeze:

- Mirroring Function: Support (Horizontal Mirror + Vertical Mirror)
- Image Rollovers: Support

Generic Specification:

- Dimension: 56(W) x 56 (H) x 110 (L) MM
- Work Temperature And Humidity: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$, 10% RH \sim 60%
- Storage Temperature and Humidity: $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$, 10%RH \sim 80%RH
- Synchronization Mode: Inter-Sync
- Video Output: Digital Signal
- SNR: $\geq 50\text{DB}$ (AGC OFF)

LENS

- IRCUT : IRCUT Double Filter Automatic Switching
- Automatic Diaphragm: Support
- Optical Lenses : 10X, F=5MM

Field Angle : H: 47 (W) ~ 5.3 (T), V: 33.5 (W) ~ 3.96 (T)

Blank Screen:

- Wide Dynamic : D-WDR
 - DNR : 2D-DNR
 - Electronic Shutter : 1/30S~1/10,000S
- Control Ratio : Adjustable
Anti-Fog Function : Support
Marginal : Support

LCD Monitor

- Screen Size : $\geq 20.5''$
Display Area : 475.2mm (W) x 267.3mm(H)
Max Resolution : 1920 x 1080
Display Color : 16.7 M
Pixel Pitch : 0.2475 (H) x .2475 (V)
Luminance : 300 cd / m²
Viewing Angle : 85/85/75/65
Response Time : $\leq 9MS$
Field Frequency : 50Hz, 60Hz, 70Hz

OR EQUIVALENT

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ITEM NO. 11

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

		Qty	05
PORTABLE OT LIGHT			
Diameter of Cupola	500mm		
Light Intensity	$\geq 80,000$ LUX at 1 Meter		
Color Temp	Adjustable from 3500 to 5000 K		
Color Rendering Index	≥ 93		
Diameter of light spot	120-350 mm		
Illumination depth	70-1500 mm		
LED Service Life	50000 hours		
With battery backup			

OR EQUIVALENT

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ITEM NO. 12

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

LAPROSCOPE COMPLETE SET

Qty

01

FULL HD Laparoscopy system with medical units

Full HD Telescope Diameter 10mm, Length 330mm, Viewing angle 5

- Degree fiber optic light transmission incorporated
- Type: Autoflavable

Full HD CMOS camera system with latest sensor technology, brilliant

- Image display with user preset configurations
- Full HD image quality: (1920x1080p)
- Colour System - PAL/NTSC
- Aspect Ratio - 16:9

SPECIAL FEATURES

Preset no display setting according to the surgical procedure available. Easy operation of camera functions via integrated control buttons in the camera head

Video Output:

- DV-D signal (2)
- S-Video signal to 4-pin Mini DIN socket (2x)
- RGB signal to D-sub socket
- HD-SDI signal to BNC socket

Control: Controllable button on camera head for light sensor and other valuable functions.

Full HD CMOS camera with zoom coupler

- HD camera head, HD Camera Head max. resolution 1920 x 1080 pixel Progressive Scan, 50/60 Hz, with 2 freely programmable
- Camera Head buttons, with integrated Parfocal-Zoom focal
- length f = 13 - 32mm For use with color system PAL and NTSC

26" HD Flat Screen Monitor, Desktop

- Color System: PAL/NTSC
- Aspect ratio: 16:9
- Resolution max: 1920 x 1200, Progressive Scan
- Composite: S-Video RGB, DVI and VGA Input
- Brightness: 300cd/m²
- Contrast: 700:01
- Max Viewing Angle: 178° Vertical

Video input: - Composite signal to BNC socket

- S-video signal to 4-pin Mini DIN socket

MONITOR STAND FOR LCD HD MONITOR

LED light source, with integrated measurement system for light cable

transmission measurement, push to stand by and rotation knob

Electronic insufflator 40 Liter with integrated gas preheating device and max flow upto 40 litre/minute

Reusable silicon tube

CO2-FILTER STER 25 UNITS

FULL HD Fiber Optic Light Cable, size 4.8 mm, length 250 cm, heat-resistant

Endo Trolley Imported - Wide

Trocar, size 10 mm, color code: green, Consisting of:

- Pyramidal Obturator, Length 110mm
- Special trocar Body
- Trocar shaft
- FLAP VALVE F/1012.5&15MM TROC

Trocar, size 5.5 mm, Consisting of:

- Pyramidal Obturator, Length 110mm
- Complete trocar
- FLAP VALVE F/2.55.57MM TROCARS

Veress Insufflations Needle 12cm

Reduction sleeves

(10/5mm) length 255mm

Atraumatic Alligator Forceps , rotating, with connector pin for unipolar coagulation, size 5 mm, length 33 cm, Single action jaws, Consisting of:

Forcep insert

Outer Tube, insulated

Plastic Handle, ratchet & non ratchet

Universal grasper and dissecting forceps

connector pin for unipolar coagulation, size 5 mm, length 35cm, Double action jaws,

Adtec fixation & Dissecting Forceps 2x4 teeth, rotating, with

connector pin for unipolar coagulation, size 5 mm, length 35cm, Single action jaws,

Maryland Dissecting Forceps, rotating, with

connector pin for unipolar coagulation, size 5 mm, length 35cm, double action jaws.

Consisting of:

Forcep insert

Outer Tube, insulated

Plastic Handle, without ratchet

Medium Metzenbaum scissor, Blades Curved, rotating , with

connector pin for unipolar coagulation, size 5 mm, length 35cm,

Single action jaws,
Consisting of:
Forcep insert
Outer Tube, insulated
Plastic Handle, Without Ratchet
Adtec bullet fixation & grasping Forceps, rotating, with
connector pin for unipolar coagulation, size 5 mm, length 35cm,
Single action jaws,
Consisting of:
Forcep insert
Outer Tube, insulated
Plastic Handle, universal
Laparoscopy L-hook electrode with modular shaft
Diameter 5mm length 340mm
Consists Of
Handle for Electrode
J- Hook Electrodes
L- Hook Electrodes
HF High frequency cable
Suction & irrigation tube, 2 way stopcock, 5mm, 31cm
CLIP APPLICATOR LOCAL PROVIDED (FOC)

ITEM NO. 13

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	AUTOCLAVE B CLASS	Qty	05
<p>Smart with multi safety protection Functions Built-in printer 24Litre7. Six-procedure and Automatic process Integrated Self-contained Steam Generator (Better Steam Infusion) Six-procedure and Automatic process Intelligent Vacuum Drying Double water pumps Double condensers Double fans, Detachable Rear Panel</p> <p>OR EQUIVALENT</p> <p>FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK</p>			

ITEM NO. 14

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	PEADS CYSTOSCOPE WITH BRIDGE	Qty	01
<p>Tele- scope 0° and 30 degree, autoclavable, fiber optic light transmission incorporated Cystoscope - Urethroscope Sheath, 9.5 Fr., working length 14 cm, with 4 Fr. working channel, with Obturator . Cystoscope - Urethroscope Sheath 11 Fr., working length 14 cm, with working channel 5 Fr., with Obturator . Grasping Forceps double action jaws, flexible, 3 Fr., length 28 cm Biopsy Forceps, 3 Fr., double action jaws, flexible, length 28 cm Coagulating Electrode, 3 Fr., unipolar, length 53 cm Needle Electrode, 3 Fr., unipolar, length 53 cm With all standard accessories.</p>			
OR EQUIVALENT			
FDA/CE/JIS APPROVED			
USA/EUROPE/JAPAN/UK			

ITEM NO. 15

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	PEAD RESECTOSCOPE COMPLETE SET	Qty	01
<p>Tele- scope 0°, autoclavable, fiber optic light transmission incorporated, Resectoscope Sheath with Lock , including connecting tube for inflow, 11 Fr. and obturator Working Element. Cutting Loop angled Telescope Bridge with 1 lockable instrument channel With all standard accessories.</p>			
OR EQUIVALENT			
FDA/CE/JIS APPROVED			
USA/EUROPE/JAPAN/UK			

ITEM NO. 16

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	ADULT RESECTOSCOPE	Qty	01
<p>Working Element Motion by means of a finger grip (active resection). In rest position the electrode is outside the sheath. Resectoscope Sheath, including connecting tubes for in- and outflow(continuous irrigation), 26</p>			

Fr., oblique beak, rotatable working element with ceramic insulation.
 Standard-Obturator for use with sheaths 24/26Fr.,
 ELLIKE vacuator
 Cutting Loops.
 High Frequency Cord, with 4 mm plug, length 300cm, tray(same manufacturer)
Telescope 30deg 4mm
 Telescope 30°, enlarged view, diameter 4 mm, length 30cm, autoclavable, fiber optic light transmission incorporated

OR EQUIVALENT

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ITEM NO. 17

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	PULSE OXIMETER	Qty	05
Portable 5-8" touch screen TFT display - 2 trace waveform - SpO2% Range: 0 ~ 100% - Pulse Rate Range: 30-250 bpm - Alarm - Red light LED wavelength SpO2 Probe - Battery backup for three hours or more. - Complete with leads and infant accessories - Local trolley with basket.			
OR EQUIVALENT FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK			

ITEM NO. 18

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	SUCTION MACHINE HEAVY DUTY	Qty	40
Two 2500 ml Autoclavable PC collection jar with over Flow valve system 5 caster stand with brakes Antibacterial and hydrophobic filter			

1 Vacuum indicator (kPa and bar)
 1 Vacuum regulator
 Silicone autoclavable tubes

Motor Oilless and maintenance-free
 piston pump

Power Feeding 230V-50 Hz

ISO 10079-
 1 Classification HIGH VACUUM / HIGH FLOW

Max free air flow
 rate 40 l/min

Max Vacuum
 (adjustable) -0.80 Bar -80 kPa -600 mmHg

Noise Level 61,5 dB

Power
 consumption 110 VA

Fuse 1 x F 4 A 250 V

Duty cycle Non-stop operation

Weight 6,5 Kg

Size 32x99x30 cm

OR EQUIVALENT

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ITEM NO. 19

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	PC BASED ETT MACHINE	Qty	01
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- STRESS System Windows® based
- Automatic control of treadmill and ergometers
 - Leads view in 3, 4, 6 or 12 leads screen formats
 - Storage of all data in the hard drive, allowing access to the original test results at any time for future review or printing
 - Arrhythmia detection
 - Calculation of average ECG complexes on regular intervals and their superimposition on a reference ECG complex, which highlights ST changes in details
 - ST measurements on 12 leads
 - Adjustable ST measurement point

- ST, STj, STj+60, STj+80, Heart Rate, Mets, Pressure and ST/HR trends
- Heart frequency dependent ST measurement and analysis
- Automatic storage of rhythm strips at steps changing or manually throughout the test
- Alarms: ST alarm on 12 leads, Heart Rate, pressure and double product
- On line 12 channels average heart cycle configuration
- Blood Pressure entrance and display of trend
- External module for automatic NIBP measurement (optional)
- Preprogrammed protocols, included Bruce, Modified Bruce, Balke, Ellestad
- Modify or add unlimited customized protocols for treadmill or pharmacological stress test reports and print out
- Print out format in 12 leads, 6+6 leads, and 6+6 leads+AVG including average, trend graphs, tabular reports and overview, using A4 color laser printer
- Review full report online immediately after completing the test
- Real time ECG print-out
- Set up analysis, protocols, printing format and final report customizable
- Digital filters LP, HP, antidrift and notch of high quality for the careful recording without artefacts
- Transmission of traces and reports by email or network sharing
- Direct PDF printing for report storage and viewing
- Email ECG results directly from the PC system
- Automatic calculation of Harvard Step Test

MyECG Amplifier

MyECG Amplifier module is a lightweight, portable device that connects your PC to your patient.

Version:

- SMART ECG (USB)
 - Isolated preamplifier in accordance with CEI 62-5 (IEC 601-1) and CEI 62-15 (IEC 62D)
 - Input impedance > 50 Mohms
 - Defibrillator protection
 - 12 leads acquisition with 512 sampling rate.
 - CMRR > 100 dB
 - Frequency 0.05 - 150 Hz
 - Standard patient cable with 10 wires.
 - Powered by USB port
 - Dimensions: 144x94x20 mm.
 - Weight: 150 gr
- SMART ECG Plus (Bluetooth)
 - Safety Standard in accordance with IEC II/CF

- Input impedance > 50 Mohms
- Defibrillator protection
- 12 leads acquisition with 512 sampling rate.
- CMRR > 100 dB
- Standard patient cable with 10 wires.
- 10m Bluetooth distance
- Powered by 2* AAA battery
- Dimensions: 126mmx68mmx24mm
- Weight: 120 gr

Minimum PC

- Operation system: Windows XP
- CPU: Pentium IV
- RAM: 1 GB
- HDD: 500 GB
- Interface: USB port free

OR EQUIVALENT

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ITEM NO. 20

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	NEBULIZER MACHINE	Qty	10
<p>Ultrasonic energy for uniform and highly dense 1-5 microns. More than 96% of 0.3 micron or larger air borne dust particles is effectively shut out with the air filter to provide purified air for aerosol nebulization. Medication cup with replaceable diaphragm. Easily detachable fan cover and pneumo clean (Air filter). Made of highly resistant sterilize able resin. Stand with solution bottle for safety. Nebulizing rate: 4 ml/min or greater. Mist particle size: Approx 1-5 microns Nebulizing time setting: 1-30 min & continuous Medication cup capacity: 150 ml. Accessories: Tray set for nebulizer with tray track and pole mount fitting.</p>			

OR EQUIVALENT

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ITEM NO. 21

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	CTG MACHINE	Qty	05
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Large high resolution color TFT foldable screen 8.4" or more
Advanced SpO2 module with equivalent performance
Large storage capacity
Basic parameters: FHR, TOCO, AFM, MHR, NIBP, SPO2
Real time measurement and identification
Provide convenience and reliability during antepartum.
12 hours CTG storage, fast review and print
Unique design for cable of transducers to avoid intertwinning
Alarm system: time-over alarm, non-paper alarm, out of range FHR alarm
Automatically adjustable many kinds of 110mm thermal paper with different specifications
Wire or wireless connect to central monitoring system
Low acoustic power, safer to the fetus
Options:
Twins FHR measurement

OR EQUIVALENT

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ITEM NO. 22

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	ANGIOGRAPHY MACHINE & ALL ACCESSORIES FOR LAB & MACHINE INSTALLATION	Qty	01
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Clinical Purpose Angiography or arteriography is a medical imaging technique used to visualize the inside, or lumen, of blood vessels and organs of the body, with particular interest in the arteries, veins, and the heart chambers.

TECHNICAL SPECIFICATIONS:

A fully digital flat panel single plane cardiac Angiography/ cardiac catheterization system dedicated for diagnosis and interventional cardiac procedures.

POSITIONING ARM:

The system should be ceiling mounted
Real time display of rotation angulations.
Geometry : C-arm/ G-arm
ROA/LAO +/- 120° or More
Cranial / Caudal: min. +/- 45°
Rotation speed: 50° /Sec or more in LAO/RAO
Isocentric Height: Variable /Fixed.
Auto positioning: Programmable auto positioning of selected.
Angulations, (30 or more) Programmable Positions.)
The control panel can be mounted at any side of the patient table.
All the rotational / Angles should be digital displayed next to the.
Ceiling mounted 55 Inch or more LCD/LED monitor.
Motorized/Manual Parking / rotation of the positioning arm.

DIGITAL FLAT PANEL:

Single Plane C-Arm /G-Arm
Image matrix of 1024x1024 x 16 bit or more.
Standard cardiology size with three formats.
Built in temperature stabilizer.

DIGITAL FLAT PANEL DETECTOR 12 x 12 Inch

Integrated Collision protection feature.
All other standard accessories according to this digital flat panel.
Dose management with fluoro filters range of 0.1/0.2mm to 0.9/1.0 mm Cu
Pixel size of 200 um or better
Removable grid for pediatric application
DQE: 77% Or more.

PATIENT SUPPORT/ TABLE:

Motorized height adjustable catheterization dedicated table allowing precise imaging during operation.
Longitudinal stroke: 1000-1500 mm
Lateral stroke 100-300 mm
CPR in any table position
All Table side movement controls.
Table top should be of such construction in material and durability to accept patients weight of not less than 200Kg plus 100 kg for resuscitation.
Table dimensions should be able to accommodate patients of all ages.
Table top should have large metal free over hand for unobstructed image coverage.
complete accessories should be provided including arm holder,
hand grip, arm support and arm rest and positioning aids.

Left / right table pivoting: +/- 90 degree.

X-RAYS GENERATOR:

Microprocessor based high frequency using fiber optic for data communication between each imaging system.

Dedicated X-Rays generator of 100KW

Radiographic rating minimum 1000mA

Serial filming exposures with shortest exposure of 1mS, with automatic KV and mA control for optimum image quality.

The system should have capability of digital radiography and fluoroscopy.

Should have capability of doing digital pulsed fluoroscopy 10/12.5/15 and 25/30 frames per second.

Automatic KV mA & pulse width regulations.

DIGITAL IMAGING AND ACQUISITION / FLUOROSCOPY:

Digital System. Acquisition, storage and display in 1024x1024 x12 bit or more at 12.5/15 and 25/30 FPS and 512 x 512 at 60 Fps for pediatric work.

Parallel processing capability / multitasking facility

Real time filtering and road map function.

Magnetic disk capacity for storage of 75,000 images in 1024 x 1024 x 12 bit or more on the magnetic disk of main console.

Minimum scene length to be 10 seconds in 1024 matrix.

Digital Pulsed fluoroscopy with 12.5/15 and 25/30 PLS in 1024x1024 x 10 bit or more including cardiac mode.

Images to be stored on the retrieved from archive disk for possible manipulation and quantification using available software packages.

Digital Subtraction Angiography Package

X-RAYS TUBE:

Minimum of 3 years un conditional warranty on the x-ray tube by the original manufacturer.
(To be confirmed by the manufacturer)

Triple Focus with at least 3.0MHU or better anode heat storage.

large Capacity to enable continuous heat dissipation during serial exposure.

Triple focal rotating anode.

Focus 0.4/0.6 and 1.0mm or similar.

Dose management with auto adjustment fluoro filters.

Tube must be rotating anode bearing less liquid metal technology tube.

X-ray tube power should be same as generator power i.e 100KW.

MONITORING SYSTEM:

Flat screen LCD/LED 55 Inch of 3840 x 2160 / 8 Mega Pixel

Monitors should be ceiling mounted in the operation room with the ceiling suspension system.

Two monitors for live images and read mapping in the Examination room 18 inch or larger

LCD/LED as back up.

Two monitors for live images and road mapping in the control room 18 inch or larger LCD/LED. All the monitors will be of Medical Graded, complied with international standards for medical Monitors.

CONTROL:

All the controls of digital imaging system, inch, post processing & quantifications (QCA) analysis shall be in the control room with replay / display of auditorium room image should be available in the examination room.

RECORDING / ARCHIVING & COMMUNICATION SYSTEM:

Recording/ archiving system should be DICOM-3 compatible. They digital images should be stored as backup on CD, DVD

DICOM (Send / store, commitment, retrieve / query)

Ethernet connection to connect with other terminals.

Integrated intercom system.

DICOM (send/storage, commitment, retrieve/query)

Ethernet connection to connect with other terminals.

Integrated Intercom system.

Capable to connect with Laser printer for image filming.

Option to connect with other equipments like CT Angio, MR etc for viewing and case study.

SOFTWARE/HARDWARE PACKAGES:

Complete Analysis package for the following cardiac applications.

Dynamic pre and post PTCA / Valvotomy comparison with one image live and other reference.

Automatic loop replay after acquisition or fluoroscopy.

Dynamic real time pan / zoom.

Dynamic real time digital imaging processing like edge enhancement or gamma correction, noise reduction (spatial filtration)

They bidders should quote their licensed software with part number in their Principals offer.

Simultaneous display of fluoroscopy and reference images not only as static images but as dynamic loop.

Rotational Angiography with C-Arm rotation of 50o/sec or more.

Online image density (gray scale) correction

Facility to review previous studies in the examination room from the patients old CD.

All controls of digital imaging system incl. Post-processing shall be in the examination as well as control room.

Automatic positioning of the C-arm corresponding to reference image.

Store fluoro facility to store fluoroscopy.

Stent visualization system latest version by the company.

SURGICAL SHADOW LESS LIGHT:

Ceiling suspended/Floor mounted, For Angiographic and related surgical procedures.

RADIATION PROTECTION:

4Nos. Lead Apron.

2Nos. Thyroid shields.

2Nos. Pb Goggles.

PHYSIOLOGICAL HEMODYNAMIC MONITORING SYSTEM:

Multichannel (14 channels or more) to record at least 2 channels IBP, Cardiac output with thermo dilution method, Surface ECG in any configuration and simultaneous 12 lead ECG, NIBP and SpO2 measurement.

Digital display of all the parameters like IBP, Heart rate, cardiac output parameter. It should be possible to store the waveforms on the hard disk of the physiological recording system.

The hemodynamic system should be from the original manufacturer/Joint venture manufacturer of the angiography system.

ACCESSORIES:

Pulse oximeter probes (QTY-02)

02 x invasive blood pressure reusable transducer with 100 disposable transducer domes

Disposable transducers (100 Nos.)

Complete 12 lead ECG Cable

NIBP (cuffs of different sizes)

Cardiac output (01 Nos.)

Holder for mounting the iBP transducer alongside the patient table.

Color monitors 18 inch OR more LCD/ LED inside the control room.

DVD /CD writer for archiving of study data and wave from stored on hard disk.

Facility for freezing the homodynamic data and simultaneous recovery of recent data/ compare stored data with current waveform.

Laser black & white printer (HP, Lexmark, Xerox, Canon) network ready.

QUALITY AND SAFETY STANDARDS FOR ANGIOGRAPHY MACHINE:

FDA 510K and CE(MDD)

RENOVATION WORKS:

Site renovation cost like civil, electrical (AC's included) and other necessary works required in the angiography suits will be included in the bid amount and also the responsibility of the bidder.

Lead glass window size 5x3 square feet meter or more Pb equivalent 2.0mm or better.

OTHER ALLIED ACCESSORIES: (All below given equipment should be from the USA, Europe and Japan origin)

120 KVA or more true on line sine wave Double conversion UPS for whole system with a

PANNING FOR REAL, FREEZE AND MEMORIZED IMAGES.

2) M-MODE SPECIFICATION :

- A) MAGNIFICATION: X2 OR MORE.
- B) SWEEP SPEED: SLOW, MEDIUM, FAST.
- C) COLOR DISPLAY OF M-MODE.

3) D-MODE SPECIFICATION :

- A) PULSE-WAVE DOPPLER MEASURABLE VELOCITY RANGE : 0.3 TO 50 KHZ
- B) HPRF DOPPLER.
- C) CONTINUOUS-WAVE DOPPLER :
 - MEASURABLE VELOCITY RANGE: 1.4 TO 50 KHZ
 - MUST HAVE DOPPLER BEAM STEERING AND BI-DIRECTIONAL STEREO-AUDIO.
- D) COLORIZED SPECTRUM DISPLAY.
- E) MAXIMUM DETECTABLE VELOCITY RANGE;
PWD= 1800CM OR MORE, CWD= 2100CM OR MORE
- F) LOWEST DETECTABLE VELOCITY RANGE; 0.03 CM/s FOR PWD AND 3.2 cm/s FORCWD
- G) SAMPLE VOLUME 1-20MM

4) COLOR DOPPLER MODE SPECIFICATIONS :

- BOTH CW AND PW DOPPLER MUST BE CONTINUOUS STEERABLE IN THE COLOR BLOOD FLOW IMAGING MODE IN REAL TIME.
- 2D IMAGE WITH COLOR, CW AND PW DOPPLER.
- WINDOWS BASED SYSTEM FOR EASY USAGE WITH PROGRAMMABLE CONTROL PANEL KEYS.
- TISSUE HARMONIC IMAGING WITH 3-4 TH OR MORE FREQUENCY.
- POWER DOPPLER.
- TRIPLEX MODE FOR SIMULTANEOUS DISPLAY OF COLOR B/M AND D-MODE DISPLAYS.
- 300 dB SYSTEM DYNAMIC RANGE OR MORE.
- INDEPENDENT STEERING OF COLOR BOX AND LINEAR BEAM ± 30 .

5) MEASUREMENT PACKAGE :

TO PROVIDE COMPREHENSIVE SOFTWARE PACKAGE FOR MEASUREMENT OF DISTANCE, CIRCUMFERENCE, AREA, TIME DEPTH, VELOCITY, FREQUENCY, HEART RATE, VOLUMMES, E.F., F.S., CARDIAC OUTPUT, PRESSURE GRADIENTS.

6) SYSTEM COMPLETE WITH FOLLOWING FACILITIES AND ACCESSORIES:

- 21 INCHES OR MORE HIGH DEFINITION LCD COLOR MONITOR WITH RESOLUTION 1600 X 900.
- 4-ACTIVE TRANSDUCER CONNECTOR MINIMUM FOR TRANSTHURASIC.
- DVD/CD DRIVE FOR IMAGE STORAGE TO BE BUILT-IN TO THE SYSTEM.
- 705GB OR MORE HARD DISK DRIVE TO BE BUILT-IN TO THE SYSTEM.
- TOUCH COMMAND SCREEN CONTROL 10-INCHES OR MORE.

DICOM MEDIA STORAGE.

7) STANDARD PROBES :

- 2 TO 4 MHZ MULTIFREQUENCY PHASED ARRAY SECTOR PROBE WITH 3-THI FREQUENCIES FOR ADULTS.
- 4 TO 6MHZ MULTIFREQUENCY PHASED ARRAY SECTOR PROBE WITH 3-THI FREQUENCY FOR PEDIATRICS.
- 5 TO 18 MHZ MULTIFREQUENCY LINEAR PROBE WITH 3-THI FREQUENCY FOR B, M, B/M, PW AND CCLOR MODES.

8) TISSUE DOPPLER IMAGING MODE WITH PULSE WAVE TDI.

9) TISSUE HARMONIC IMAGING WITHOUT CONTRAST WITH THREE HARMONIC FREQUENCIES.

10) TISSUE HARMONIC IMAGING TO ENHANCE EFFECTIVE WIDE BAND FREQUENCY RANGE TO PROVIDE SIMULTANEOUSLY SPATIAL RESOLUTION, CONTRAST RESOLUTION AND INCREASED PENETRATION USING TWO TRANSMISSION PULSES AT DIFFERENT FREQUENCIES SIMULTANEOUSLY AND RECEPTION AT HARMONIC AS WELL AS DIFFERENTIAL COMPONENT.

11) AUTO IMAGE OPTIMIZATION/QUICK SCAN IMAGING FOR AUTOMATIC STC / GAIN AND DOPPLER SPECTRUM ADJUSTMENT WITH OPTIMAL IMAGE QUALITY BY USING ONE TOUCH OPERATION.

12) COLOR B-FLOW / DYNAMIC FLOW IMAGING / MICRO CPA / E-FLOW WITH DOPPLER SPECTRUM.

13) TRAPEZOID IMAGING.

14) SONO CT/COMPOUND/APLIPURE IMAGING FOR BOTH FREQUENCY COMPOUNDING AND SPATIAL COMPOUNDING IN B/W AND COLOR MODE.

15) TISSUE ENHANCEMENT /PRECISION IMAGING TO ENHANCE B-MODE IMAGING, DETAILED IN LAYERS AND BOUNDARIES AND SHARPENED OUTLINES OF THE LESIONS AND REDUCE CLUTTERING.

16) MYOCARDIAL PERFORMANCE INDEX FOR THE ASSESSMENT OF BOTH DIASTOLIC AND SYSTOLIC CARDIAC FUNCTIONS, FOR CHILDREN CONGENITAL HEART DISEASE.

17) STRESS ECHO SYSTEM.

18) TISSUE STRAIN IMAGING WITH 2D STRAIN AND 2D DISPLACEMENT BASED ON 2D SPECKLE TRACKING , TDI WITH PULSE WAVE TDI STRAIN RATE, RATE OF CHANGE WITH TIME AS GRAPH, RADIAL STRAIN, TRANSVERSE, 2D LONGITUDINAL, AND CIRCUMFERENCE STRAIN, CALCULATION ALL SHOULD BE PROVIDED, SPECKLE TRACKING IN 2D IMAGING FOR CRT. 2D

SPECKLE TRACKING WITH 6 SEGMENTAL STRAIN, RADIAL STRAIN TO EVALUATE MUSCLE THICKING OF HEART FOR DYSSYNCHRONY HEART MUSCLES ALONGWITH POLAR MAP AND GRAPHIC DISPLAY.

- 19) CONTRAST HARMONIC IMAGING
- 20) 3 D WALL MOTION TRACKING
- 21) OFF LINE WORKSTATION FOR REVIEW.
- 22) B/W THERMAL PRINTER.
- 23) COMPATIBLE UPS

MUST QUOTE THE FOLLOWING PROBES SEPARATELY:

- MULTI-FREQUENCY TEE PROBE FOR ADULT STUDIES.
- MULTI-FREQUENCY TEE PROBE FOR PEADS STUDIES.
- 5-9 MHz MULTI-FREQUENCY SECTOR PROBE FOR NEONATES
- SHEAR WAVE ELASTOGRAPHY
- FUSION IMAGING OF CT / MRI 3D VOLUME DATA TO SYNCHRONIZE WITH ULTRASOUND IMAGING. COMPLETE WITH HARDWARE /NEEDLE NAVIGATION WITH TRACKING SYSTEM & SOFTWARE UPGRADABLE.

OR EQUIVALENT

FDA/CE/JIS APPROVED
USA/EUROPE/JAPAN/UK

ITEM NO. 24

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	ICU BEDS ELECTRIC	Qty	10
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04-Motorized Electric Bed,

Should have positions (Back Raise, Knee Raise, Hi-Low Adjustment, Trendelenburg, Reverse Trendelenburg and Cardiac Chair Position) with X-ray radio!ucent backrest

Movements:

- Stress saver raise
(Back raise to reduce stress on patient's body)
- Back Raise 0-70°

- Knee raise 0-25°
- Hi-low adjustment from 350mm to 700mm (Mattress base)
- Trendelenburg/Reverse Trendelenburg position 0 ±12°
- One button cardiac chair position

Controls:

- Should have Integrated (Built in side-rail) or separate handheld Controller to perform the various bed positions.

CPR Function:

- Should have both electric CPR function and Manual CPR function.

Battery:

- Should have Battery with low battery indicator. (Optional)

Side Rails:

- Should have side rail meeting safety standard of IEC 60601-2-52.
- Should Have **Anti-tampering Lock feature.**(Prevents patient from falling over when patient is attempting to lower the side rail by himself while laying on bed)
- Should have Flexi Grip (grip on siderail to help patient to stand up more easier)
- Should be slide down with **Gas Spring shock absorber**

Mattress Base:

- Made of steel
- Seamless smooth surface for easy and quick cleaning.

Low Bed Height:

- Should have lowest bed height to 350 mm. (Allows patient to place his heels firmly on the floor)
- Should have **Bed height light indicator.** (To indicate its lowest height position)

Angle Indicator:

- Should have angle indicator for back section at both sides. (The 30 degree marked out to assist in ventilator-associated Pneumonia and for other medical assistance)

Head/Foot Board:

- Should be secured to prevent accidental removal.

Roller Bumpers:

- Roller bumpers at each corner of bed.

IV Pole:

- Should have four adjustable hooks with height adjustment.
- Should have facility to place the IV pole on each side of bed for urine and drainage bags etc.

Locking System:

- Should have total lock system with central pedal and with see-saw pedal and three positions of "Free", "Lock" and "Steer".

Castor:

- Should have 125 mm single wheel castor

Bed Dimensions should be:

- Bed Length 2200mm without extension.
- Bed Width 990mm
- Total height 755 mm to 1105 mm
- Mattress Base Height 350 mm to 700 mm

Mattress:

- Size: W: 860mm L: 2000mm
- Mattress Cover should be:
 - * MRSA anti-bacterial treated.
 - * Water proof surface and Flame retardant.
 - * Material: Cover Polyester/padding urethane foam.
- * Mattress must be manufactured by same company manufacturing beds.

Safe working load 230 KG.

Additional Accessories:

Bedside Table (Over Bed Table):

- Height Adjustment through Gas Spring
- Castor: 40mm dia x 4pcs

Bedside Cabinet:

- Pull out table included 40mm dia castor x 4pcs
- Dimensions: (W) 445mm x (D) 460mm x (H) 780mm
- Body power coated steel
- Table & Cabinet top & Drawer: ABS Plastic

Iv Pole

All Optional items must be manufactured by same manufacture.

Certification:

- Should be at least one certification from CE / MOHLW / FDA

OR EQUIVALENT

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ITEM NO. 25

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	THERAPEUTIC HYSTEROSCOPE	Qty	01
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Specs

Telescope 300
Size 4mm
With working channel for semirigid 5 Fr. Operating instruments.
With suction and irrigation valves for single or continuous-flow usage
Long handle

OUTER SHEATH

2 x suction and irrigation valve
Monobloc adapter
Sealing cap, "Endoscopic set"
For working channel package of 10
2 x valve seat adaptor
Assembly Aid

TELEPACK Specs

All in one unit allows performance of high quality output
15" screen monitor with LED backlit similar to XENON technology
Six USB Ports
1 SD card slot
Direct print output
Color system PAL/NTSC
Power supply 100-220VAC
USB silicon keyboard with touchpad
USB flash drive 32gb

Additional Accessories quote separately

OR EQUIVALENT
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minimum back up time of 10 minutes including room lights, microprocessor based IGBT technology. Display and alarms of parameters. Three phase line voltage of 220 50Hz with all necessary standard parts including batteries.
 Programmable contrast media injector with 50 disposable syringes. (Medrad-bayer, Angiomat or Medtrone).

POWER REQUIRMENT:

Three phase with line voltage of 220V. 50 Hz.

WARRANTY:

3-years unconditional comprehensive warranty from the manufacturer and local vendor's warranty will not be acceptable.

COUNTRY OF ORIGIN AND MANUFACTURE: USA/EUROPE /JAPAN ONLY.

CERTIFICATIONS: FDA 510K, CE, MHLW (ALL THREE CERTIFICATIONS ARE REQUIRED)

NOTE: Any other advanced options should be quoted in optional which may be purchased if required. These will not form the basis of acceptance or rejection of bid.

OR EQUIVALENT

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ITEM NO. 23

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	ECHOCARDIOGRAPHY MACHINE DOPPLER WITH TWO PROBE (INCLUDING PEDIATRIC)	Qty	01
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TOP OF THE LINE 192-PHYSICAL CHANNELS AND MORE THAN 1,500,000 RECEIVING / PROCESSING CHANNELS ECHOCARDIOGRAPHY SYSTEM WITH FULLY DIGITAL BEAM FORMER HAVING 2D / M-MODE, DOPPLER FACILITIES, AND 2D SPECKLE TRACKING (PW, CW, HPRF, & COLOR FLOW IMAGING) WITH A HIGH RESOLUTION IMAGING DOPPLER SIGNAL QUALITY, FOR CARDIAC AND VASCULAR STUDIES AND HAVING CAPABILITY OF HANDLE MULTIFREQUENCY PROBES FROM 2 – 18 MHZ.

1) B-MODE SPECIFICATION :

- A) SECTOR SCAN ANGLE VARIABLE IN FOUR STEPS.
- B) VIEWING DEPTH: 40CM OR MORE.
- C) FRAME RATE: 1080 F/SEC OR MORE.
- D) BUILT IN CINE LOOP WITH ABILITY TO VARY REVERSE AND SLOW MOTION OF DISPLAY; INTERNAL CINE MEMORY: 900MB OR MORE.
- E) REAL TIME AND FREEZE IMAGE MAGNIFICATION AT LEAST 20X OR MORE WITH

ITEM NO. 26

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	ELECTRIC CAUTRY MACHINE	Qty	05
<p>Efficacious for; verruca, corns, tumors, hemangioma, papillomas, furunculous, epitheliums, kurtosis, cancroids.</p> <p>Adjustable needles</p> <p>Foot switch</p> <p>Needle holder</p> <p>Depilation needle</p> <p>Fulguration needle</p> <p>Coagulation needle</p> <p>Output: Average 50W</p> <p>Discharging Mechanism: Spark-gap</p> <p>Frequency: High-frequency of 1.5~2.3 MC</p> <p>OR EQUIVALENT</p> <p>FDA/CE/JIS APPROVED</p> <p>USA/EUROPE/JAPAN/UK</p>			

ITEM NO. 27

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	FLUOROSCOPE C ARM SYSTEM	Qty	01
<p>Xray Generator</p> <ul style="list-style-type: none"> ➤ Out Put Power 12 KW or more ➤ Inverter frequency Up to 40 kHz ➤ Automatic brightness control system ➤ KV range (radiography & Flourscopy) 40 to 120 kV 1-kV steps ➤ MA range (radiographic) 20 mA, 120 mA ➤ mAs range: Up to 250 mAs ➤ Fluoroscopy : ➤ Continuations mode: 0.2-5mA ➤ Boost mA: 0.5-10mA ➤ <p>X-ray Tube</p> <ul style="list-style-type: none"> ➤ Rotating Anode ➤ Maximum X-ray tube voltage kV 125 kV ➤ Focal spot 0.3/0.6 or better ➤ Anode heat storage capacity not less than 300 KHU ➤ Target angle 10° 			

C-arm

- SID 90 Cm or better
- Orbital rotation should have 90°/45°
- Horizontal travel 20 cm or more
- Vertical travel 45 cm or more
- Swinging ±12° or better
- C-arm rotation ±200° or better
- DICOM Send to PACS (DICOM 3.0) and CD-BURN and DICOM CINE to be provided
- LIH Image Rotation 100 Frame or better
- Image study Store 30000 or more
- Should be able to perform Digital subtraction angiography with road map facility
- Frame rate 1 to 30 frames/s or more
- Output: DICOM
- Anatomical programming
- Image Intensifier (I.I.)
- Input field size: 215/160/120 mm or similar
- Central resolution: 50 lp/cm or better
- Laser Guide
- Cassette Holder

X-ray Grid

- Grid : 103line/inch or better
- TV Camera
- Resolution: 1024 X 1024 or more
- A/D-Conversion: 14 bit or more
- Should be able to LIH Image rotation
- Image inversion should have both direction Horizontal and Vertical

LCD Monitor

- Screen size: 19" diagonal
- Pixels: 1280 x 1024
- Units to be mounted on the cart
- Two LCD monitors

Lead Apron Qty 06

OR EQUIVALENT

FDA/CE/JIS APPROVED

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ITEM NO. 28

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	SPIROMETER	Qty	01
Flow/volume sensor Bi-directional turbine			
Temperature sensor semiconductor (0-45°C)			
Method of detection Infra-red interruption			

Maximum volume measured 10 L
 Flow rate +/- 16 L/s
 Volume accuracy +/- 3% or 50 mL
 Flow accuracy +/- 5% or 200 mL/s
 Dynamic resistance at 12 L/s <0.5 cmH₂O/L/s

OXIMETER SPECIFICATION

Method of detection Red and infra-red light absorption
 Measuring range of %SpO₂ 0 – 99% (with 1% increments)
 Resolution of SpO₂ 1%
 Accuracy of %SpO₂ +/- 2% between 70-99% SpO₂
 Number of beats for calculating the median SpO₂ % 8 beats
 Pulse rate measuring range 18 – 300 BPM
 Resolution of pulse rate 1 BPM
 Pulse rate accuracy +/- 2 BPM or 2% of highest value
 Interval for calculating median pulse rate 8 seconds
 Signal quality 0 - 8 display segments

OR EQUIVALENT

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ITEM NO. 29

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	ULTRASOUND MACHINE	Qty	01
<p>General Specification</p> <p>Main Applications: general applications, abdomen, OB, GYN, peripheral vessel, small part, musculoskeletal system, urology, rectal, vaginal, pediatrics, cardiac and interventional ultrasound applications, support quantitative analysis.</p> <p>Monitor: LCD 19" high resolution non-interlaced monitor, special for medical imaging, support up and down, left and right rotation, LCD 10.4" touchscreen (optional 15" monitor)</p> <p>Probe Connectors: 4, all activated, automatic recognition.</p> <p>Power: AC 220V±10%, 50Hz±1Hz</p> <p>Mean Features</p> <p>Beam Processing: full-digital Beam Former, more than 1536 digital processing channels, Continuous Dynamic Focus, Real-time Dynamic Aperture, Dynamic</p>			

Beam Apodization, Dynamic filtering.

Gray Scale: Imaging Digital Two-dimensional Gray Scale Imaging Unit

Spectral: Digital Spectral Doppler Display and Analytic Unit

Color Doppler Imaging: Digital Color Doppler Imaging Unit, including CFM,

CDE, Dir. CDE, pulsed Wave Doppler, Continuous Wave Doppler

Doppler Measurement: manual, automatic, quantitative, semi-quantitative calculation, automatic and real-time Doppler spectral envelop.

2D Deflection: left/right deflection imaging (linear probe), deflection angle: -20° $+20^{\circ}$, multi-level adjustable.

Real-time Contrast of imaging of 2D and color Doppler: real-time contrast and observation of two dimensional image and color doppler image.

Harmonic Imaging: Digital Harmonic Imaging, Turning (one button optimizing) &TDI.

Duplex & Triplex Imaging Panoramic Trapezoid: support.

Wide View Imaging: support.

Integration of three-dimensional imaging: support 3D and 4D.

Probe Specifications

Probes:

Convex (2.0/6.0 MHz)

Linear (6.5/16.0 MHz)

Endocavity (4.0/8.0 MHz)

Phased Array (2.0/6.0 MHz)

Micro-convex

Electronic 4D probe

Probe Characters: Super Broadband Multi-frequency Probe

Biopsy Guide: support

2D image parameters

2D Working Frequency: broadband frequency conversion point ≥ 5 .

Frequency Range: 2.0MHz - 16.0 Mhz. 2D working frequency can be displayed by figure and adjusted separately.

Display Mode: B, B/B, 4B, B/M, M mode in real-time and freeze state.

Gray Scale: 256.

Resolution: lateral resolution ≤ 1 mm, axial resolution ≤ 1 mm, (under 3.5MHz, depth ≥ 80 mm circumstance).

Dynamic Range: 160db, 40db~160db is visible and adjustable.

THI: 6 groups THI (two each on convex probe, linear probe and phased array probe)

Scan Line Control of M type: M mode scanning line capable of rotating 360° around any point on the scanning line.

Gain Adjustment: B/M, B/D can be adjusted separately.

TGC: 8 bands

Zoom: real-time partial magnification, position removable, 10 times magnification, 16 levels adjustable. Max. Display Depth ≥ 30 cm.

Spectral Doppler

Mode: PW, CW/TDI

Blood Flow Rate: PWD: Max. Measurable velocity ≥ 8 m/s, CWD: Max.

Measurable velocity ≥ 8 m/s, Min. Measurable Velocity ≤ 2 mm/s (Non-noise signal).

Display Mode: B/D, M/D, D, B/CFM/D

Sampling Width: 1mm - 25mm

Display Control: reverse display (left/right, up/down), Baseline adjustable up and down, D Extension, B/D Extension, partial magnification.

Color Doppler

Display Mode: speed, Energy, Speed+Direction, B/CFM B/CFM/PW

B/CFM/M B/CFM/CW

Display Angle: $\geq 85^\circ$

Frame Rate: detectable depth 24cm, full angle, Max 200frame/s

Display Control: baseline adjustable in 16 levels, B/CFM contrast

Others

Cineloop: Image retrieval, cineloop playback ≥ 1536 frames, playback time, ≥ 100 s.

RTDT: Real-time dynamic transfer of images and videos.

SVVR: Super volume video recording up to 1 hr.

Archiving and Record: Management System ≥ 250 GHDD, DVD-RW, USB Disk storage, Built-in ultrasound workstation system (create, store, modify, inquire and print the patient report., which also has expert thesaurus, report templates, etc. Display, store and play image or cine.

Bodymark: ≥ 95 types, with probe location

Acoustic Power: ≥ 32 levels adjustable

Interface: different languages (English, French), Hospital Name, Patient ID, Name, Gender, Age, Date, Time, Probe Model. Probe Frequency, Focus, Gain, Depth.

Data Communication: DICOM3.0, Dual USB2.0, DVD-RW

Signal Input and output: AV, S-video, RGB, USB digital signal, VGA, ECG, RS-232. Support PAL, NTSC video standard. Support nearly all printers, including laser printer, digital video printer, analog video printer.

Software: powerful Measurement Software Package, Integrated Ultrasound Workstation, Specialized Software for 3D/4D.

OR EQUIVALENT

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TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

VENTILATORS FOR INTENSIVE CARE UNIT

Qty

06

- a) ICU Ventilator for Medical ICU with advance servo controlled.
 - b) Suitable for Adult and Pediatric patients.
 - c) Invasive and non-invasive technology.
 - d) 12 inch or more touch screen display with internal turbine system
 - e) Turbine life should not be less than 10,000 hours.
 - f) Battery backup support for 120 minutes or more.
 - g) Should have real time monitoring.
 - h) Modes of Ventilation: Assisted Control Mandatory Ventilation (CMV).
 - i) Synchronized Intermittent Mandatory Ventilation (SIMV)
 - j) Spontaneous Ventilation.
 - k) Body Weight Calculator for set the tidal volume and other ventilator parameters.
 - l) Volume-controlled.
 - m) Pressure-controlled.
 - n) Volume Targeted Pressure-controlled
 - o) Dual Level PEEP (SPAP)
 - p) Auto Control
 - q) Apnea back-up ventilation.
 - r) Active Exhalation Valve
 - s) Automatic Leak Compensation (up to 60 lpm or more).
 - t) Auto set alarm feature up to 1000 or more Event log.
 - u) Tidal volume: 5 ~ 2000 ml or better.
 - v) Respiratory rate: 1 ~ 120 bpm or better.
 - w) Pressure control: 10 ~ 80 cmH₂O or better.
 - x) Pressure support: 0 ~ 80 cmH₂O or better.
 - y) Peak flow: 1 ~ 120 lpm or better.
 - z) Inspiratory Time: 0.2 ~ 8 sec or better.
 - aa) Oxygen concentration: 21 ~ 100%
 - bb) Display parameter: Delivered oxygen concentrations 21 - 100%.
 - cc) Trend Data up to 72 hours or more
 - dd) More than 35 monitoring parameters.
 - ee) Real Time Graphics, Volume vs Time, Pressure vs Time, Flow vs Time, Flow Volume Loops, Pressure Volume Loops.
 - ff) Humidification Selection (HME, Humidifier, and None)
 - gg) To be supplied with all standard accessories.
- Must be FDA 510k Approved and CE Certified.

OR EQUIVALENT

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ITEM NO. 31

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	B/W ULTRASOUND MACHINE	Qty	01
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Full digital HCU B/W system.

- b) Display: 12" or more anti-glare LCD monitor.
- c) Unique user-friendly design.
- d) Two active transducer connectors or more.
- e) View of practical and stable capabilities.
- f) Support all application usage, which could satisfy various daily diagnoses, such as abdominal, OB/GYN, small parts and so on.
- g) THI technology with Five Variable Frequency.
- h) Intuitive operation with M-Tuning one-key image optimization.
- i) Clip-board function for quick patient image capture and review.
- j) Application fields: General practice, OB/GYN, Vascular, Urology, Anesthesia, Emergency, ICU, Physiotherapy, MSK, Pediatric, etc.
- k) Full patient database Solutions: DVD, USB storage, PDF report, AVI/JPEG, DICOM3.0, etc.
- l) Battery: Built-in high capacity Li-ion battery.
- m) Power supply: 100-220 VAC, 50-60Hz.
- n) Convex Probe: Frequency: 2.0MHz to 6.0 MHz or better.
- o) Certifications: FDA 510(k) and CE

OR EQUIVALENT

FDA/CE/JIS APPROVED
USA/EUROPE/JAPAN/UK

ITEM NO. 32

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	LAPTOP COLOR DOPPLER ULTRASOUND MACHINE	Qty	01
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LAPTOP COLOR DOPPLER ULTRASOUND

- a) 15" or more high resolution LED.
- b) Ergonomic design with anti-glare, 180 degree opening angle screen.
- c) One Button automatic image optimization
- d) Large image display region
- e) Anti-reflective screen and auto brightness adjustment

- f) User-defined Operations
- g) Compact design and light weight 6 kg or less.
- h) Standard Connection Interface: DICOM 3.0, 2 USB ports, HDMI S-Video and Extender port.
- i) Built-in Battery for 1.5 hours of scanning or better.
- j) Wi-Fi and Bluetooth wireless connection
- k) 1 Active Probe connector.
- l) Quick boot up: 25s or less.
- m) Enhanced accuracy due to high sensitive Doppler detection for low flow vessels.
- n) Needle enhancement feature for easy nerve blocking procedures.
- o) Multi-beam probe for optimized needle visualization without losing the target nerves and vessels.
- p) New generation digital front-end technology.
- q) Frequency Compound Imaging.
- r) Spatial Compound Imaging.
- s) Speckle reduction image processing technology.
- t) Tissue Harmonic Imaging (THI, PIHI).
- u) High Pulse Repetition Frequency.
- v) B-Mode Panoramic imaging.
- w) Auto calculation (Auto Trace)
- x) Tissue Doppler Imaging
- y) Anatomical M Mode
- z) B-Mode and Color-Mode dual live
- aa) Triplex or Simultaneous mode
- bb) B Mode Panoramic
- cc) Power Doppler Imaging.
- dd) Storage media: 500 GB or better standard image storage capacity.
- ee) Application fields: Abdomen, Vascular, Cardiology, Gynecological/Obstetrical, Urology, Musculoskeletal, Interventional ultrasound, Small parts, Anesthesiology, Pediatrics etc.
- ff) Modes: B mode, Color mode, PW mode, CW mode, TDI mode, THI mode, DFI mode, DDPI mode, IMT measurement, FEI index, Spectral Doppler auto-trace, Color flow volume measurement, Multi beam processing technology, Speckle/Noise reduction function.
- gg) Linear Probe 3MHz to 15 MHz or better.
- hh) Convex Probe 1MHz to 7 MHz or better.
- ii) Certifications: FDA 510(k) and CE

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TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

RADIOGRAPHY SYSTEM WITH DR

Qty

01

1. System combination

- a) 50 kW or more High frequency X-Ray Generator.
- b) 4 ways floating top table with fixed height
- c) Floor mounted tube column stand
- d) Manual collimator
- e) 200KHU X-ray tube
- f) Wall chest bucky stand
- g) Pair of HT cables 10m or more.
- h) Flat Panel Detector for Table Bucky
- i) Flat Panel Detector for Chest Bucky

A. X-Ray Generator

- a) High frequency, microprocessor control x-ray generator
- b) Frequency 20KHz or more.
- c) Radiographic kVP 40~150kVp with in one kV step.
- d) Radiographic mA 10~600Ma or better.
- e) mAs range: 0.5~500mAs
- f) Exposure time: 1 ms ~ 6s or more.
- g) kVp and mAs selection. 3 point kVp, mA & time selection.
- h) 400 or more Anatomical program.
- i) Three phase, 380-400V x-ray generator.

B. 4 Ways Floating Top Table

- a) Electromagnetic brakes
- b) Longitudinal travel of table top: 900mm or more Lateral/transfer travel travel of table top: 220mm or more.
- c) Longitudinal travel of bucky: 510mm or more
- d) Moving grid
- e) Grid ration 40 l/sec, 12:1

C. Floor Mounted Tube Column Stand

- a) Tube support balancing System with counterweights and Electromagnetic brakes.
- b) Control panel with push button to control vertical, longitudinal and transverse travel.
- c) Rotation of tube – collimator assembly +/-180°
- d) Longitudinal travel 1450mm or more
- e) Vertical travel : 400-1900mn.
- f) Later/transfer travel 300mm or better

D. Manual Collimator

- a) Multi leaf Manual collimator.

b) LED light indicator for alignment with bucky.

E. X-Ray Tube

- a) Dual focus x-ray tube
- b) Small focus 0.6mm
- c) Large focus 1.2mm
- d) Rotating anode
- e) Maximum tube voltage 150kVP
- f) Anode heat storage capacity 200KHU

F. Wall Chest Bucky Stand

- a) Chest bucky stand with the cassettes formats maximum up to 35x43cm
- b) Vertical travel 1500mm or better.
- c) Moving grid: 12:1 ratio.

G. Pair of HT Cables 10m or more.

H. Flat Panel Detector (2 nos.)

- a) Flat Panel Detector, 43x43
- b) Cesium Iodide (CsI) with amorphous silicon
- c) Pixel Pitch: 148 μ m or better
- d) Active Pixels: 2648 (v) x 2984 (h) or better
- e) Detective Quantum Efficiency (DQE): more than 70%
- f) A/D Conversion: 14 bits

I. Complete with workstation and viewing software

- a) Processor : Intel i5-4590 or equivalent
- b) Memory : 4GB or more
- c) Hard Drive : 500GB or more
- d) Adapter Card, Ethernet card
- e) Complete with Color monitor 21" or more, mouse, key board,
- f) DICOM compliance: DICOM 3.0
- g) DICOM work list from HIS/RIS
- h) DICOM sent, DICOM image print

J. Software:

- a) Input patient data : Selection of exam, study , procedure , patient ID,
- b) Setting of x-ray exposures
- c) Image processing software
- d) Software for digital radiographic image in DICOM format.
- e) Improve image contrast
- f) Adjust dynamic range
- g) Reduce the noise

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ITEM NO. 34

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	FLUOROSCOPY / RADIOGRAPHY MACHINE 800MA	Qty	01
<p>Three phase 380 volts complete set with all standard accessories for its installation and commissioning</p>			
<p>Generator Specification</p>			
<p>a) Microprocessor controlled generator with touch screen. b) Output Power: 80 kW or more c) anatomical protocols preset 500 or more with programinable parameters</p>			
<p>Radiography parameters:</p>			
<p>a) kV range should be from 40 to 150 kV @ 1 kV step. b) Tube Current range should he 10 to 800 mA or more c) Exposure Time should be from 1 ms to 10 s or better. d) mAs range should be from 0.1 to 500 mAs</p>			
<p>Fluoroscopy parameters:</p>			
<p>a) kV range should be from 40 to 120 kV @ 1 kV step. b) Continues mA range should be from 0.5 to 5 mA (low dose) and up to 8 mA (higher dose) with auto fluoro. c) Timer: 5 mins</p>			
<p>Remote Controlled Table</p>			
<p>Remote controlled table should be three components:</p>			
<p>a) The remote controlled with flat tabletop to facilitate patient transfer, with integrated secondary control console for the table movements and collimator light control b) The control cabinet of the table. c) The main control console with all functions of the table.</p>			
<p>Patient support</p>			
<p>a) Flat tabletop of 240 x 80 cm (66 cm radio-transparency) with rails for accessories. b) Large width of the tabletop for convenient patient transfer and easy centering for bariatric patient. c) Motorized lateral movements of +/-15 cm at 4 cm /s d) Longitudinal movement of table top: +/-50cm at 4cm/s e) Tilting of + 90° / - 15° f) Tilting speed: 4°/sec. g) Anti-collision safety set by internal computer h) Footstand for control console i) Motorized longitudinal movements of 140 cm at 10 cm /s j) Total patient coverage of 180 cm or more k) Cassettes size should be from 18 x 24 cm to 35 x 43 cm l) Automatic format detection 1 – 2 – 3 – 4 division m) Moving carbon grid R 12/1 focus at 125 cm</p>			

a) Image Intensifier allowed of 9", 12" or 16"

o) Change fluorography: 1.5 s

Column support

a) Light beam should be halogen bulb 100W.

b) In automatic mode, collimator is controlled by the cassette size or the selected Image Intensifier size.

c) In manual mode, collimator is controlled from the main control console with the proportional joysticks or at the collimator front panel.

d) Tube rotation manual of $\pm 180^\circ$ electromechanical brake with mechanical stop every 90°

e) Angulations motorized of $\pm 40^\circ$ ($\pm 0.5^\circ$) all along the table, for specific projections.

Main control console (Table):

a) Touch key controls and joysticks with information displayed in integrated LCD screen, Prep/x-ray switched integrated.

b) Controls located and grouped per function: numeric keypad, control of the TV chain, tomography, motorized position, reset position. The numeric keypad from 5 to 8, it allows to select the cassette support speed (fast to slow).

c) Joysticks control the SID, tube/column angulations, table tilting in continuous mode with soft start and soft stop functions included. Tube/Column- cassette support movement, lateral movement of the tabletop and collimator shutters have proportional joysticks.

Image Intensifier

a) Nominal entrance field size : 230 mm

b) Nominal output field size : 20 mm

c) Output windows thickness : 3.6 mm

d) Entrance windows material : Cesium

e) Output windows material : Phosphor (P 20)

f) Useful entrance field size : 9 inch; 6 inch; 4.5 inch

g) DQE at 59.5 kV (IEC standard) : 65%; 65%; 65%

h) Conversion factor (cd.in⁻²/mR.s⁻¹) : 240; 120; 60

CCD Camera

a) Matrix: 752 x 582 pixels

b) Standard scanning: Interline (progressive interlace), 625 lines, 100 Hz

c) Bandwidth: 20 MHz

d) Signal/noise ratio: 55 dB

e) Gamma correction, recursive filters for noise reduction (factors 0, 2, 4, 8, 16), automatic video compensation, electronically circular blanking, horizontal and vertical inversion, last image hold (LIH).

Color LCD Monitor 2 nos.

a) Diagonal size: 19"

b) Optimum resolution: 1,280 x 1,024 pixels

c) Contrast: 550: 1

d) Brightness: 700 cd /m²

- e) Maximum bandwidth: 135 MHz
- f) Vertical frequency from 50 to 85 Hz
- g) Horizontal frequency from 30 to 92 kHz
- h) Trolley for Monitors
- X-Ray Tube Specification
 - a) Nominal focal spots values : 0.6 and 1.2 mm
 - b) Anode diameter : 74 mm
 - c) Anode material : Rhenium - Tungsten – Molybdenum
 - d) Anode angle : 12°
 - e) Inherent filtration : 0.9 mm
 - f) Anode heat storage capacity : 400 kHU
 - g) Nominal high voltage : 150 kilovolts
 - h) Cable length : 14 m
 - i) High speed Starter : 9000 rpm

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ITEM NO. 35

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	X-RAY RADIOGRAPHY SYSTEM	Qty	01
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1. System combination
 - a) 50 kW or more High frequency X-Ray Generator.
 - b) 4 ways floating top table with fixed height
 - c) Floor mounted tube column stand
 - d) Manual collimator
 - e) 200KHU X-ray tube
 - f) Wall chest bucky stand
 - g) Pair of HT cables 10m or more.
- A. X-Ray Generator
 - a) High frequency, microprocessor control x-ray generator
 - b) Frequency 20KHz or more.
 - c) Radiographic kVp 40~150 kVp with in one kV step.
 - d) Radiographic mA 10~600 mA or better.
 - e) mAs range: 0.5~500 mAs
 - f) Exposure time: 1 ms ~ 6s or more.
 - g) kVp and mAs selection. 3 point kVp, mA & time selection.

- h) 400 or more Anatomical program.
- i) Three phase, 380-400V x-ray generator.
- B. 4 Ways Floating Top Table
 - a) Electromagnetic brakes
 - b) Longitudinal travel of table top: 900mm or more Lateral/transfer travel travel of table top: 220mm or more.
 - c) Longitudinal travel of bucky: 510mm or more
 - d) Moving grid
 - e) Grid ration 40 l/sec, 12:1
- C. Floor Mounted Tube Column Stand
 - a) Tube support balancing System with counterweights and Electromagnetic brakes.
 - b) Control panel with push button to control vertical, longitudinal and transverse travel.
 - c) Rotation of tube – collimator assembly +/-180°
 - d) Longitudinal travel 1450mm or more
 - e) Vertical travel : 400-1900mm
 - f) Later/transfer travel 300mm or better
- D. Manual Collimator
 - a) Multi leaf Manual collimator.
 - b) LED light indicator for alignment with bucky.
- E. X-Ray Tube
 - a) Dual focus x-ray tube
 - b) Small focus 0.6mm
 - c) Large focus 1.2mm
 - d) Rotating anode
 - e) Maximum tube voltage 150kVP
 - f) Anode heat storage capacity 200KHU
- F. Wall Chest Bucky Stand
 - a) Chest bucky stand with the cassettes formats maximum up to 35x43cm
 - b) Vertical travel 1500mm or better.
 - c) Moving grid: 12:1 ratio.
- G. Pair of HT Cables 10m or more.

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ITEM NO. 36

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Qty	01
EEG Polygraphic Machine		

Patient and Data Management

- Management of reported and unreported examinations for different users.

- Data base with patient and examination related information.
- Archive inspector (automatic invitation for archiving).
- Automatic archiving of reported examinations on selectable data volumes.
- Backup for programs and data bases.
- Interface for Practice and Hospital Management Systems (H17)

EEG/Polygraphy Recording Software

- EEG and Polygraphy 32 channels.
- Straightforward operating by picture symbols (mouse) or PC keyboard
- Optical, graphical and numerical presentation of impedance measurement, can be operated also at the headbox
- Measurement of impedance at any time, storing of all measured impedance values
- Multi-Window technology for simultaneous recording/reviewing
- Network wide presentation of a running record (on-line review)
- Definition of 20 event markers and an unlimited number of comments
- Possibility of infliction of a WAVE file to each marker
- Automatic marking of photic stimulation (programmable)
- Automatic marking of hyperventilation (programmable)
- Input of print marker for subsequent EEG printout
- Automatic stop of recording after a defined recording time and transmission of a network message
- Programmable Macro for EEG recording
- Input of channel-specific comments
- Design and presentation of an unlimited number of EEG montages
- On-line setting of all recording parameters

EEG/Polygraphy Review Software

- Unitary for EEG, digital videometry and long-term EEG
- Straightforward operating by picture symbols (mouse) or PC keyboard
- Design and presentation of an unlimited number of EEG montages and presentation parameters
- Automatic switching of montages according to the recording montage
- Searching for markers, events, notes and time
- Input, shifting and editing of markers
- Automatic paging with variable speed, scroll function
- Presentation of date, time, start time and recording length
- Integrated customized and macro-supported report template
- Simultaneous paging in different records
- Synchronous real time scrolling or paging of video EEG's, high speed or picture wise
- Editable color of EEG and polygraphy traces
- Automatic EEG measuring function for amplitude and dominant frequency
- Zoom of EEG segments including measuring function for amplitude, frequency and time
- Dynamic amplitude mapping of selectable EEG segments
- Frequency analysis of selectable EEG segments
- Frequency mapping of selectable EEG segments and frequency bands

- Export for all numerical analysis results for extended statistical processing
- Import/Export function for different EEG formats
- Export function for selectable EEG's including viewer software for EEG presentation and reviewing on each PC
- Storing of all analysis segments for subsequent comparisons or re-analysis
- Editor for long-term and video EEG's and storing of edited EEG and video clips.
- Printout of selectable EEG segments, analysis segments and analysis results
- Integration of foreign analysis software by means of EDF data transfer

EEG HEADBOX

- Dynamic range: 0.5 μ V – 1 mV.
- Polygraphic channels (EOG, ECG, RESP, EMG, POS, MIC).
- Dynamic range polygraphic channels 0.8 μ V - 1.57 mV.
- Input impedance: > 20 MW.
- CMRR: > 100 dB.
- Noise: < 2 μ V pp.
- Lower cutoff frequency 0.2 Hz.
- Upper cutoff frequency 300 Hz.
- Sampling rate 2048/channel.
- Sampling resolution 16.Bit (ADC).
- Transmission rate (selectable) 128, 256, 512 Samples/s
- Transmission sensitivity (selectable) 30.5 μ V/Bit (128 Samples), 61.1 μ V/Bit (256 Samples).
- Transmission protocol TCP/IP, optically decoupled LAN adapter.
- Transmission velocity 10 Mbit.
- Power consumption < 1 W.
- Integrated impedance measurement with LED display.
- Mobile stand for EEG headbox.

LED PHOTIC STIMULATOR

Power supply: 12 V Power

Consumption: 50 VA

Trigger input Optic, 1 ms, TTL optional

Max. flash frequency: 60 Hz

Controlled by EEG recording software

User-defined stimulation programs Unlimited number of programs

Start/Pause/Stop of stimulation by function key

EEG video

- Digital videometry monitoring.
- Video: Digital synchronized recording (MPEG 1, 2 or 4 format) with zoom function during evaluation.
- Camera: Daylight (color) or night camera (b/w) with integrated IR light, auto zoom, pant/tilt, remote control, mic, audio amplifier.

WORKSTATION

EEG/polygraphy recording, reviewing, archiving and data backup.

Hardware

- Processor Min. 2 GHz or more
- 1 GB SD-RAM or more
- Hard Disk 160 GB or more
- Graphic board Onboard
- Monitor 23" TFT or more
- Network adapter transmission rate onboard, T1/B, 10/100 Mbit
- Backup drive DVD/CD RW
- OS WINDOWS 7 or better.
- Keyboard, Mouse, Mousepad and Laser Printer.

ACCESSORIES:-

- 20 x EEG Gold Cup Electrode.
- 2 x Ear electrodes with cable.
- 2 x ECG electrodes with cable.
- 1 x Original Mobile Trolley.

OR EQUIVALENT

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ITEM NO. 37

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	EMG MACHINE	Qty	01
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EMG / NCS / EP:

Pre-configured machine with accessories kit.
PC based system with Windows operating system and inbuilt patient centric database.
Latest EMG/NCS/EP acquisition and review software.
Both predefined and user configurable test protocols.
Flexible report generation.
Software guidance for electrode positioning.
Storage to EMG with full acquisition resolution.
Archival recorded exams/reports CD/DVD.
Printing of reports on heavy duty laser printer.
Ether LAN connectivity.
Export of the report into PDF

NERVE CONDUCTION STUDY

Motor Nerve Conduction Study
Sensory Nerve Conduction Study
Repetitive Stimulation
F-wave
H Reflex
Blink Reflex
Single Muscle Fiber Test

SOMATOSENSORY EVOKED POTENTIAL

SEP (Somatosensory Evoked Potential)
SSEP (Short Latency SEP)

VISUAL EVOKED POTENTIALS

Stimulation type: Checkerboard, pattern flash, onset/offset, Picture stimulation, visual P300)
Pattern: Checkerboard, vertical and horizontal stripes, pictures; variable size
Stimulation field: Full, half, quarter field
Fixation point: different fixation points, colored bitmaps, variable position
Pattern color: black white, 16 grey steps
Monitor: 17" TFT monitor
LED goggle: left, right, both eyes stimulation

AUDITORY EVOKED POTENTIALS

Stimulation type: Klick, Klick-Klack, Tone pips of all relevant frequencies
Stimulation frequency: manual, 1 - 100/s in dependence of the examination
Sound pressure: 0 - 124 dB SPL, in 1. db steps
Stimulation duration: 50 μ s – 1 ms; in 50 μ s steps
Stimulation polarity: Condensation, rarefaction, alternating
Overlapping: White noise with adjustable intensity
Parameter setting: With keyboard, mouse and remote control.

ELECTRICAL STIMULATOR:

Numbers: 1 integrated electrical stimulator.
Stimulation current: 0 – 100 mA; in 1 mA steps
Stimulation duration: 50 μ s – 1 ms; in 50 μ s steps
Stimulation type: Single, Double, Train
Stimulation frequency: manual, 0.1 - 100/s in dependence of the examination program
Parameter setting: Keyboard, Mouse and Remote Control.
Display: Display of stimulation current, stimulation puls width and stimulation type on screen

AMPLIFIER

No. of channels : 4
Power requirement : 220V, 50Hz, and 22watt or better

Input impedance	: >100 M Ω m
CMRR	: >100dB
AC interference Notch filter	: 50 or 60 Hz
Noise level	: <1 μ V or better
Low-frequency limit	: <8mHz
High-frequency limit	: 20kHz
Skin electrode contact impedance check	: 2, 5, 10, 20, 50 k Ω .
A/D converter	: 24 bits or better
Constant Current Electrical Stimulator	: Stim Current, 0- 100mA
Stim Voltage	: 400V
Stim Duration	: 50 μ s – 1ms
Stim types	: single, pair, train

AMPLIFIER:

Sampling rate	: 50 kHz/channel
ADC	: 24 bit
Resolution	: 10 nV/d
Channel	: 4
Max. Input voltage	: 25 mV
Noise	: < 1 μ V pp @ 2 Hz–10 kHz, shorted input
Input impedance	: > 110 M Ω m
CMRR	: > 110 dB
Lower cutoff frequency	: 0.02 Hz - 1000 Hz in 15 steps 0.02, 0.05, 0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50, 100, 200, 500, 1000 Hz); 6 dB/Oktave
Upper cutoff frequency	: 20 Hz - 15 kHz in 11 steps (20, 50, 100, 200, 500 Hz, 1, 2, 3, 5, 10, 15 kHz); 6 dB/Oktave
Notch filter	: 50/60 Hz.
Temperature measurement	: 20-40 $^{\circ}$ C, with temperature probe.
Impedance measurement	: 0-100 k Ω m @ 10 Hz in 0,1 k Ω m steps

STANDARD ACCESSORIES:

- Concentric needles electrode 20mm.
- Concentric needles electrode 50mm.
- Bi-polar needle electrode.
- Extension cable for concentric needle electrode.
- Extension cable for bi-polar needle electrode.
- NCS extension cable.
- NCS disposable electrode.
- Ground electrode.
- Finger electrode.
- Surface stimulation electrode.
- Headphones for Auditory Stimulation
- Conductive paste.
- Abrasive cream.
- Heavy Duty HP Laser Printer

1KVA or Compatible Online UPS
 21 inch Color LCD.
 Original Trolley with Isolation Transformer.

OR EQUIVALENT

FDA/CE/JIS APPROVED
 USA/EUROPE/JAPAN/UK

ITEM NO. 38

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	DOPPLER ULTRASOUND MACHINE WITH THREE PROBE	Qty	01
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1. Design & Features

- a) Trolley based Ultrasound color Doppler Machine
- b) 15" or more LCD/TFT Screen
- c) Four active probe sockets or more
- d) Standard connection ports:4 USB Ports, S-Video connection port, Video In/Out ports, VGA connection port, ECG leads port, Footswitch port
- e) 500GB or better Hard disk, CD/DVD ROM for data retrieval/transfer.
- f) Complete DICOM 3.0 compatibility.
- g) In built ECG Module as standard
- h) Convex probe 2MHz to 6MHz or better
- i) Linear probe 5MHz to 12MHz or better
- j) TVS probe 5MHz to 13MHz or better
- k) Dynamic Range: 60dB – 300dB or better
- l) Scanning Depth: 25.9cm or better.
- m) Frame Rate in B-Mode: 800 fps or more.
- n) Cine memory: 1000 frames or more.

2. Standard Imaging Modes

- a) Tissue Harmonic Imaging Mode.
- b) High Pulse Repetition Frequency technology.
- c) Multi-beam processing technology.
- d) M Mode and Anatomical M Mode.
- e) Auto Trace for PW Spectrum calculations.
- f) Frequency Compound Imaging.
- g) Advanced speckle and artifacts reduction technology.
- h) Advanced compression Elastography.
- i) Advanced 3D imaging.
- j) Biopsy guidance with multiple angle selection.
- k) B Mode, 2B Mode, 4B Mode.
- l) Color Flow Mode.
- m) Power Doppler Mode.
- n) Pulsed Wave Doppler.
- o) Continuous Wave Doppler.

3. Measurement and Review software:

- a) Basic B mode, Basic M mode, Basic spectral Doppler (PW) mode, Color flow volume, Cardiology package, Vascular package, Pediatrics package, Urology package, MSK package, Abdomen package, Small parts package,
- b) Patient data management system.
- c) Review software for stored images and information of patients for reporting, printing and analyzing for later.

OR EQUIVALENT

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ITEM NO. 39

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	VIDEO LARYNGOSCOPE	Qty	01
<p><u>Specifications:</u></p> <ul style="list-style-type: none"> - LCD display - Wide-angle view - Video-out capability - LED light - Atraumatic tip - Re-chargeable battery - Complete Accessories 			
OR EQUIVALENT			
FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK			

ITEM NO. 40

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	OPERATING MICROSCOPE FOR OPHTHALMOLOGY	Qty	01
<ul style="list-style-type: none"> - Motorized zoom type (zoom ratio 1:5) - Objective Lens F=200mm - Eyepieces: 10x (high-eyepoint& wide field) - Binoculars: Tilttable binocular tubes F=170mm - Total magnifications: 4.1x to 20.4x - Real fields of view: 49 to 9.8mm dia. - Focusing stroke: 30mm - X-Y movement stroke: ±25mm in each direction (with centering function) - Light source: LED - Field of illumination: 55mm dia. 			

- Illumination control: 9 steps
- Filters: Heat-absorbing, Blue correction filter, Yellow filter, Retinal protection

OR EQUIVALENT

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ITEM NO. 41

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	BLOOD BANK REFRIGERATOR	Qty	01
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- Blood Bank Refrigerator, Cabinet Type and Upright
- 5 Drawers
- Cooling Type: Forced air cooling
- Defrost Mode: Auto
- Refrigerant: CFC-Free
- Noise Level: 43 dB
- Temperature Range: 4±1 °C
- Controller: Microprocessor
- Display: LED
- Capacity: 358L / 12.7 Cu.Ft
- Storage Capacity: 200 (450ml blood bags)
- High/Low Temperature
- Remote Alarm
- Power Failure
- Sensor Error
- Low Battery
- Door Ajar
- Caster
- Foot
- Test Hole
- Temperature Recorder
- Power Supply: 220-240V/50Hz
- Power: 460W
- Electrical Current: 3 A
- Net Weight(approx): 158Kg
- Gross Weight(approx): 174Kg
- Interior Dimensions: 620 x 470 x 1200mm
- Exterior Dimensions: 720 x 690 x 1730mm

OR EQUIVALENT

FDA/CE/JIS APPROVED
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ITEM NO. 42

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	ANAESTHESIA MACHINE WITH VENTILATOR	Qty	
<p>-Standard/Cascade flow tubes.</p> <p>-Cascade flow tubes with electronic flow display providing numeric representation of gas flow</p> <p>-Virtual flow display (VFD) numeric and graphic</p> <p>-Virtual flow display also provides touch screen control of back lighting</p> <p>-O₃ Gas (O₂ / N₂O / Air) with ventilator Comprising of:- Gas (Oxygen / N₂O / Air) Two Vaporisers Mounting O₃ Gas Rotameter (O₂ + N₂O + Air) Mechanical Anti – Hypoxic Device. Non – inter changeable pipeline inlets Pipeline & Cylinder gauges for O₂ + N₂O+ Air along with hoses. Pin Index cylinder yokes. Gas Outlet and O₂ flush control. O₂ Auxiliary O₂ power outlets. Lockable castors. Monitors Shelf. Impact resistant & easy to clean frame. Stainless steel work surface. Absorber support arm. O₃ Gas flowmeter for O₂ + N₂O + Air. Sigma Delta Sevoflurane Vaporizer. Flow and Temperature compensated (Service Free) Base lockable 6" Drawer unit. Main power outlet 220 / 240 Vac (IEC X 4) Writing Shelf / Platform. Sharp holder. High suction Controller with receiver jar of Ltrs complete with connections and fittings. SPA Carbon Dioxide Absorber with Bag Vent and By Pass complete with detachable The system must have built in heater to control moisturizer Electronic Anesthesia Ventilator MODEL NO: AVS 15.5 Inch Large Colour Touch Screen Anesthesia Ventilator With Built – in Oxygen Monitor, Ultra – accurate Spirometry With advance Ventilation (SIMV,SMMV and PSV) Combines sophistication and ease of use, Volume and Pressure Ventilation plus SMMV,SIMV,PSV and PEEP Single / dual waveform display High quality , multi-option product with flexible specification Integrated Oxygen Monitor and spirometry</p>			

Inverse I:E Ratio capability
 Electronic PEEP
 Autoclavable Latex free bellows
 Oxygen or Air drive gas
 Battery Back up
 Magills Breathing Circuit
 Must have HIS capability (Hospital Information System)
 Tidal Volume from 5ml to 1600ml.
 Should have 30 minute battery backup

OR EQUIVALENT

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ITEM NO. 43

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

LARYNGOSCOPE

Qty

01

Incorporates fiber optic technology for better brightness and less distortion.
 High-quality stainless steel combined with consistent fine metal craft for better performance, safety and ease of use.
 Heat-free blade reduces risk of skin or tissue burn.
 Macintosh (curved) blades sizes 0 to 4
 Handle sizes: Large, medium

OR EQUIVALENT

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ITEM NO. 44

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

CAPNOGRAPH SIDESTREAM

Qty

06

Portable 5" touch screen TFT display
 2 trace waveform
 Unit must be capable for measurement of ET/CO2 for neonatal, pediatric and adult patient.
 Method of sampling : side stream or main stream
 Sampling rate should be 100Hz or better
 Unit complete with
 Sample Line
 Filter

T Adaptor
 Nasal cannula
 Adult Airway Adapter 10 nos.
 Neonatal Airway Adapter 10 nos.
 Trolley
 OR EQUIVALENT

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ITEM NO. 45

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	BINOCULAR MICROSCOPE	Qty	01
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Slide type Binocular head with 45° inclined and 360° rotation.
 Wide-field eyepiece 18 and 13mm paired.
 Quadruple nose piece with built in click stopper .DIN achromatic objectives.
 Built-in mechanical stage 140mm x 140mm, moving range 50mm x 75mm, with specimen holder controlled by coaxial knobs at low position.
 Focusable condenser and diaphragm iris m filters and fileter holder.
 Built-in electrical illuminator with LED, High illumination (60000 hours life).
 Coaxial focusing system with built in tension adjustment and focus stopper.

OR EQUIVALENT

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ITEM NO. 46

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	CENTRIFUGE MACHINE	Qty	02
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Bench Top Centrifuge Machine 5000 RPM
 Brushless motor. Noiseless and vibration free.
 Relative centrifugal force (RCF) not less than 3,000 x g Digital control of Timing up to 60min.
 Digital microprocessor controlled.
 Digital display of speed, timing.
 Automatic imbalance indication with safety

shut off.

Rotor Imbalance detection.

Lid safety interlock.

Rotor, 24 tube holders capacity.

ABS housing resistant against shock & chemicals.

Accessories: two sets of 12 mm x 75mm and 12mm x 100mm tube holders for each tube size.

Foil Key Board, 10 acceleration & deceleration rates.

OR EQUIVALENT

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ITEM NO. 47

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	HOT AIR OVEN	Qty	01
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Capacity : 34L.

Microprocessor Control system with LED display.

Temp control: PID.

Digital Temp setting .

Digital Temp readout.

Air convection: Forced convection by fan.

Temp uniformity $\pm 2.0^{\circ}\text{C}$ at 55°C .

Temp stability $\pm 0.5^{\circ}\text{C}$ at 37°C .

Temp: 5°C above ambient to 300°C .

Over-temp alarm & shutout : Yes, 4°C to the set point.

Timer : Digital, 99 hr. 59min. + HOLD.

Temperature range : Digital, 99 hr. 59min.

HOLD Standard accessory : 2 S/S mesh shelves, adjustable

Adjustable Ventilation Slide.

OR EQUIVALENT

FDA/CE/JIS APPROVED

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ITEM NO. 48

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	DENTAL UNIT WITH ALL ACCESSORIES	Qty	03
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Whip Arm or Hanging Hose Dentist Element

Whip arm and hanging hose versions should be available with 5 instruments and built-in X-ray viewer. The whip arm option comes with removable silicone handle for easy sterilization and trays on top or below.

Control Panel Smart Electronics

Store up to 8 instrument settings for each rotary instrument or scaler, safety instruments interlock function and regular turbine maintenance reminder.

LED Light

Sensor-operated LED Light with intensity up to 30,000 lux, 3 axes of movement and removable silicone handle should be available with designed a shadow-limiting reflector and passive cooling.

Integrated LCD Display

Optional integrated LCD Display should be available for immediate diagnosis of patient. from 17" and 22" Dental Monitor for diagnosis easily shareable with patient.

Treatment Comfort

Featuring smooth synchronized movement of the backrest and seat and 2D or 3D head rest movement for optimal treatment comfort. 11 colors and seamless or soft upholstery styles and pillow for children or small patients.

Adjustable Assistant Arm

Standard pivoting or pro pantographic assistant arm to choose from that can be equipped with 3 to 5 instruments. Pivoting arm has cup-filling and bowl-rinsing buttons while the pro arm with assistant element control panel. Champion pro assistant arm with mechanical or pneumatic brake system and safety anti-collision switch.

Swiveling Cuspidor Bowl and Water Unit

Ceramic cuspidor bowl swiveling towards the patient for comfortable access. Water unit rotate more than 90° clockwise for easy reach during treatments, maintenance and cleaning.

Proportional Foot control

two foot control styles with different functionalities to reflect individual needs and preferred work position.

Technical specifications

Max. power input at 230V/50Hz	400 VA
Input pressure of air	from 0,45 to 0,8 MPa
Input pressure of water	from 0,3 to 0,6 MPa
Max. loading capacity of the tray table	1,5 kg

OR EQUIVALENT

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ITEM NO. 49

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

ENDOSCOPE UNIT FOR UPPER AND LOWER G.I

Qty

01

Endoscope unit for upper & lower GI & sigmoid scopes

Full high definition upper and lower and sigmoid scope video

Endoscopy complete system

High definition gastrointestinal video scope

Waterproof one-touch connector, high performance HDTV compatible, close focus, slim design, NBI system facility compatible)

Field of view 140°

Direction of view Forward viewing

Depth of field 2 to 100 mm

Outer diameter 9.2 mm

Working length 1030mm

Total working length 1350mm

Angulation range up 210°, down 90°, right 100°, left 100°

Inner diameter 2.8mm

Minimum visible distance 3.0 mm

High frequency cauterization treatment available

High definition color video scope

Waterproof one-touch connector, high performance HDTV compatible, closer focus, water jet, NBI system facility compatible)

Variable stiffness

Field of view 140°

Direction of view Forward viewing

Depth of field: 2 to 100 mm

Outer diameter 12.8 mm

Working length 1680mm

Total working length 2005mm

Angulation range up 180°, down 180°, right 160°, left 160°

Inner diameter 3.7mm

Minimum visible distance 5.0 mm

High frequency cauterization treatment

High definition sigmoidoscope video scope

Waterproof one-touch connector, high performance HDTV compatible, closer focus, water jet, NBI system facility compatible)

Variable stiffness

Field of view 140°

Direction of view forward viewing

Depth of field 2 to 100 mm

Outer diameter 12.8 mm

Working length 13500mm

Total working length 1655mm

Angulation range up 180°, down 180°, right 160°, left 160°

Inner diameter 3.7mm

Minimum visible distance 5.0 mm

High - frequency cauterization treatment

Video scope system

Combination of HDTV and NBI with and LED light Source

Power supply voltage 100-240 V AC

Frequency 50/60 Hz

Rated input 200VA

Ratio 16:9 and 16:10 output

Analog HDTV signal output either RGB (1080 /601: NTSC)/ 1080/501: PAL) or YPbpr 1080 /601: NTSC) /1080/501: PAL) output selectable

Analog SDTV signal output VBS composite(480 /601: NTSC)/ 576/501: PAL) or Y/C 480 /601: NTSC) /576/501: PAL) , and RGB 480 /601: NTSC) /576/501: PAL);

Simultaneous outputs

Digital signal output HD-SDI (SMPTE 292M) SD-SDI (SMPTE 259M) DV,

And DVI (WUXGA, 1080p or SXGA)

White balance adjustment

Standard color chart output

Color tone adjustment

Contract :N(normal): Normal image, H(high), L(low), Noise reduction, Iris

Image enhancement setting

Switching of enhancement modes

Images size selection, freeze, pre-freeze, NBI Observation, reset to default, remote control

Patient data record

Portable memory and internal buffer

DVR, video printer, image filing system

Displaying the image formation

Patient data registration

Recording format: FF, JPEG, (1/5), JPEG 1/10

Number of recording: TIFF: approx..227 image, JPEG (1/5): approx.: 1024 images, images

JPEG (1/10): Approx.2048 image

Flushing pump for color video scope

Maintenance unit with leakage tester for endoscopy
 Suction machine for endoscope
 Video trolley with anti-castor and keyboard drawer
 Monitor high definition LCD medical Grade colour monitor 21" HDTV compatible

OR EQUIVALENT

FDA/CE/JIS APPROVED
 USA/EUROPE/JAPAN/UK

ITEM NO. 50

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	COLPOSCOPE	Qty	01
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Beyond The Colposcope A Multi-Task Gyne-Imaging Center

Specifications

Operating Environment

Air Temperature 10 – 40°C (50 – 104°F)
 Humidity 30 – 85 %
 Air Pressure 700 – 1060 hPa
 (0.7 – 1.1 kg/cm², 10.2 – 15.4 psia)

Size

Dimensions 600 mm dia. (Pedestal Base) x 1400 mm (Overall Height)

Eyepiece

Magnification 10X
 Field Number 22
 Diopter Adjustment –5 – +5 m-1

Zooming

Drive System Manual drive by knob rotation
 Zoom Ratio 1:06

Focusing

Focus System Adjustable focal length
 Drive System Manual drive by knob rotation
 Focus Adjustment Range 220 – 350 mm

Illumination

System Light guide

Filter	Detachable green filter
<u>Magnifications</u>	WD220: 3.7 – 23.4X WD300: 3.0 – 18.8X WD350: 2.7 – 16.9X
<u>Field Of View</u>	WD220: 58.5 – 9.3 mm WD300: 73.1 – 11.6 mm WD350: 82.4 – 13.1 mm
<u>Floor stand</u>	
Support System	Floorstand
Balancing System	Pantographic arm balancing using spring.
Balance Adjustment Range	4.0 – 7.0 kg
Balance Adjustment	Handle adjusted
Binocular Tube Tilt	10 degrees upward and 30 degrees downward relative to the horizontal observation optical axis.

Vertical Arm Movement Range 300 mm

Arm Rotation Range 270°

Photography/

TV Camera Connectable using a TV camera adapter (optional)

Cinematography

Digital Camera Connectable using a digital camera adapter (optional)

STANDARD SET OF ACCESSORIES

Zoom Microscope Body	Zoom Microscope Body
Balance Arm	Balance Arm
Horizontal Arm	Horizontal Arm
Stand	Stand
Floorstand Base	Floorstand Base
Small Tray	Small Tray
Light Guide	Light Guide
Halogen Light Source 150W	Halogen Light Source 150W

Video System

Acompact and well-balanced high-resolution video system with high compatibility.

Power Supply

Voltage	100 to 240v AC
Frequency	50/60 Hz: within Hz
Dimensions	(WxHxD) 295x69x376mm:312x80x410mm at maximum
Size	Weight4.9kg

Classification (medical electrical equipment)

Degree of Protection against electric shock of applied part TYPE BF applied part. Where no classification mark appears, the device is a TYPE BF applied part

Observation

- Analog signal output VBS Composite 2, Y/C: 1 (NTSC for 100 to 240 V models)
VBS Composite 2, Y/C :1 (PAL for 100 to 240 V models)
Digital output DVI: 1
- White Balance Adjustment White balance adjustable is possible using the white balance button on the front panel
- Standard color chart output When the camera head is disconnected, a color bar chart can be displayed
- Brightness adjustable Brightness can be adjustable two modes (HI or LO)

LED Light Source

- Powerful Illumination with Advanced LED Technology
- * Higher brightness compared to conventional halogen light sources.
- * Constant light intensity over lifetime
- * Low maintenance costs: No bulb changes required for at least 2,000 hours of operation.

* Computer Recording System for Digital Documentation 01 Unit

* CPU, LCD Monitor, Color Laser Printer, Key board, Mouse, Capture Card for still and moving imaging.

Local Video Trolley with anticaster and keyboard drawer 01 Unit

OR EQUIVALENT

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ITEM NO. 51

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	TRANSPORT VENTILATOR	Qty	04
Adult / Pediatric:			
VCV Assisted/Controlled			
PCV Assisted/Controlled			
PSV/CPAP			
PRVC			
SIMV (VCV) + PSV			

SIMV (PCV) + PSV

Biphasic Pressure (APRV+PSV)

NIV (Leakage compensation in all ventilator modes)

Ventilation Backup:

VCV

PCV

Neonatal:

PCV Assisted/Controlled

PSV/CPAP

SIMV (PCV) + PSV

Continuous Flow

Nasal CPAP

Ventilation Backup:

PCV

Initial Setup:

Patient Selection

Gender Selection

Height Selection

Automatic Theoretical Weight Calculation

Ventilation Level per mL/kg

Artificial Airway Type

Humidification Type

Circuit Compliance Measurement

Last Patient Function

Operational Visualization:

Selection of the monitored

Ventilation variables

Battery Charge Indicator

Pressure Bargraph

Customizable selection of up to 5 simultaneous graphics (Adult and Pediatric):

Pressure/Time

Flow/Time

Volume/Time

Volume/Pressure Loop

Flow/Volume Loop

Pressure/Flow Loop

Plethysmography

ETCO₂/Time

Customizable selection of up to 2 simultaneous graphics (Neonatal):

Pressure/Time

Flow/Time

Pressure/Flow Loop

Plethysmography

ETCO₂/Time

Monitored Parameters:

Peak Pressure

Plateau Pressure

Mean Pressure

Base Pressure (PEEP)
Peak Inspiratory Flow
Peak Expiratory Flow
Expiratory Tidal Volume
Minute Volume
Respiratory Frequency

I:E

Ti/Ttot

Inspiratory Time

Expiratory Time

Tendency Graphics

Alarms Log

Lung Mechanics:

Inspiratory Resistance

Expiratory Resistance

Dynamic Compliance

Static Compliance

AutoPEEP

Optionals:

Heart Rate

Plethysmography

Inspired CO₂

SpO₂/FI_{O₂}

ETCO₂

SpO₂

FI_{O₂}

Programmable Parameters:

FI_{O₂}

-50% up to 100%

Flow

Waveform:

Square

Sinusoidal

Ascending

100%

Descending

-Descending 50%

Rise Time

Inspiratory Time

Respiratory Frequency

Tidal Volume

Minute Volume

Expiratory Sensibility

Controlled Pressure

Support Pressure

PEEP

Sensibility:

-Pressure/Flow

Apnea Time

Inspiratory Pause

Sigh

Auxiliary Functions:

Oxygen 100%

Manual Inspiratory Trigger

Graphics Freeze

Programmable:

Max. Respiratory Frequency

Max. Exhaled Minute Volume

Min. Exhaled Minute Volume

Max. Exhaled Tidal Volume

Min. Exhaled Tidal Volume

Maximum Pressure

Minimum Pressure

Apnea

PEEP

Automatic:

Low Battery

Power Failure

Low O₂ Pressure

Interrupted Cycle

Inverted I:E Ratio

OR EQUIVALENT

FDA/CE/JIS APPROVED

USA/EUROPE/BRAZIL/JAPAN/UK

ITEM NO. 52

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	CARDIAC MONITORS	Qty	20
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SMART CABLE MODULE CABLE TECHNOLOGY:

For monitoring of patients Vital Signs.

Operating Features and Characteristics:

Non fade TFT color display

Electro-surgical interference suppression/protection

Defibrillator protection

Freeze and cascade facility

Waveform: 14 or more

Waveform trace speed: 25 to 50 mm/sec

Screen Size: min. 12" or more TFT/LCD color Touch Screen display

PARAMETERS:

ECG:

Numeric: heart rate

Waveform: 10 Wave forms minimum, real time and freeze ECG trace.

12 Lead ECG Interpretation with 10 Lead ECG Electrode

Non-Invasive Blood Pressure (NIBP):

Method: Oscillometric principle

Numeric: Systolic, diastolic and mean pressures

Selectable auto inflate interval settings

Rising cuff / continuous pressure display

Temperature:

Numeric: Temperature selectable in °C / °F

Pulse Oximetry:

Numeric: 0-100% oxygen saturation measuring range.

Waveform: plethysmograph pulse with pulse strength indication.

Motion Tolerance Technology.

Spo2 Technology should be from the original/same manufacturer.

Arrhythmia Analysis:

Arrhythmia analysis and ST analysis.

Minimum 22 or more arrhythmia items in standard.

Respiration:

Breathe rate display and alarms.

Sweep speed; 12.5 to 50 mm/sec.

Other Features:

Trend Data; 72 hours trend graphical and tabular.

Alarms:

High & low (settable) on all parameters

Visual and audible indication of alarms.

Apnea time 5-40s.

HL7 GATEWAY CONNECTIVITY:

Operating Requirements:

AC 220V/50hz

Built-in rechargeable battery for at least 1-2 hours AC power failure at full parameter.

OFFERED MONITORS SHOULD HAVE CAPABILITY TO MEASURE ETCO2 MAIN STREAM, DUAL IBP, Cardiac Output Invasive and noninvasive, BIS, MULTIGAS UNIT, EEG (Upto 8 Channel) etc.

TO BE QUOTED AS OPTIONAL:

- A. DUAL IBP
- B. BIS MONITORING (BISPECTRAL INDEX MONITORING)

All allied accessories should be from original/same manufacturer.

OR EQUIVALENT

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ITEM NO. 53

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

INSTRUMENTS FOR VARIOUS DEPARTMENTS		Qty
S.NO	DESCRIPTION	REQUIRED QUANTITY
1	Air Drill	2
2	Artry forceps artry forceps	4
3	Bone Cutter	16
4	Bone Cutter Double Action	2
5	Bone elevator	6
6	Bone files	8
7	Bone Holding forceps Diff: Sizes (small, Medium and large)	2 each
8	Bone Holding forceps larges	4
9	Bone Holding forceps Medium	4
10	Bone Holding forceps Small	4
11	Bone Nibbler Double Action Diff: Sizes (small & large)	1 each
12	Bone Nibbler Large	6
13	Bone Nibbler Medium	6
14	Bone Nibbler Small	6
15	B'P Appratus stand	4 nos
16	Brain Retractor system (Laila retractor)	1
17	Butterfly probe	10 nos
18	Cannulated Screw set	1
19	Cassett (11 x4)	

20	Cassette Fuji (14 x 17) (10 x 12)	
21	Cassette Fuji (14 x 17) (8 x 12)	
22	complan straight Elevator	6
23	continues flow sheath	1
24	Craniotome set	2
25	Cryer Elevators Left & right	6
26	Depth Gauge 3.5	2
27	Depth Gauge 4.5	2
28	DHS /DCS set	2
29	Drill Bits 2.7, 3.2, 3.5, 4.5 mm	2 each
30	Drill Guide 3.5	2
31	Drill Guide 4.5	2
32	Drips rack	1
33	Drum for sterilization	5
34	Electric Drill	1
35	Electric Drill Machine	2
36	Ellis tissue forceps	24 nos
37	Examination instruments	6 set
38	Filling instruments	6 set
39	Flexible fiberoptic Bronchoscope	1
40	forceps	2
	grasping forcep	2
	flexible for cystoscope	2
	Bopsy forcep for cystoscope	2
41	Gaspig forcep for cystoscope	
41	Forceps for laparoscopy	2
42	Fundo scope	1
43	General Set Instruments	2
44	Glucometer	1
45	half sheath	1
46	Hambeez Knife set	2
47	Hammer	1
48	Harmonic	2
49	High speed Neurosurgical Drill (Most urgent)	1
50	Hoffman Retractor large	4
51	Hoffman Retractor Medium	4
52	Hoffman Retractor small	4
53	Hoffmann's bone retractor (Elevators) Size:(small and large)	2 each
54	inner sheath	1

55	Instrument trolley with cover	10 nos
56	Interlocking set	2
57	K Nail Extractor	4
58	K Nail Remar Set	1
59	Konica (8 x 10)	
60	Lab coli surgical set	1 nos
61	Laminectomy set	2
62	Ligasure	1 piece
63	Ligasure	1 piece
64	Lower crown forceps	6
65	lower root forceps	6
66	Mayfield head clamp	1
67	Mayo trolley's	10 nos
68	Megil Forceps	4 nos
69	Mesogun	
70	Mobile BP Apperatus	1
71	Mosquito Artery St	50 nos
72	Narrow Band UVB (For whole body)	
73	Narrow Band UVB (Hand held)	
74	NCS (Nerve conduction study) machine	1
75	Needle holder ST 7	20 nos
76	obturator	3
77	Oscillating Saw	24
78	Osteotome 6mm, 10mm	1 each
79	Oxygen Alarm	1
80	Oxygen Guage	7
81	Patient trolley for endoscopy unit	4
82	Periostal elevator	6
83	Periosteum Elecvtor	1
84	Plate Holding Forceps Larges	4
85	Plate Holding Forceps Medium	4
86	Plate Holding Forceps Smail	4
87	Pneumatic tourniquet	1
88	Reduction Forceps Pointed	1
89	Resuscitation trolley	10
90	scavanging system	1
91	Scissors	2
92	Screw Driver 3.5	6
93	Screw Driver 4.5	6
94	Set With monitor and trolley	1
95	Small oxygen cylinder	5
96	sponge holder	2
97	Sponge holding FPST	20 nos
98	SS Plauze	Range
99	Stainless steel small bowl	20 nos
100	Stapler Guns	1 piece

101	Stapler Guns	1 piece
102	Stature	4 nos
103	Stethoscope	4 nos
104	stone punch	
105	surgical bowi big size	2
106	Surgical scissor 6' Blunt tip	12 nos
107	Suture cutting scissor	20 nos
108	Tension Band Wire set	1
109	T-Handle	4
110	T handle with auto chuck	1
111	Tourniquet Set (Pneumatic)	4
112	Tray large size	2
113	Upper anterior Forceps	6
114	Upper bynet forceps	6
115	upper crown molar forceps left & right	6
116	Upper G.I Endoscopy Machine	1
117	upper universal premolar forceps	6
118	UPS	Four UPS required
119	Ureteroscope forceps	2
	Grasping Flexible	2
	Stone Dislodging	
	Forceps	2
	Dormie Basket	2
120	Ureteric Dialator	1
	with balloon	
	Ureteroscope	1
121	office 7.5 gradual	1
	semi rigid	1
	flexible	1
122	Urethrotome	
123	Uro-flowmetry machine (UDN)	1
124	Vacume cleaner machine	2
125	weight machine scale	2
126	Wire Cutter	6
127	Wire Passer	2
128	Wire plier	2
129	working element	2
130	Xenon light source with cable	1
	X-ray machine Cassette	2

OR EQUIVALENT

ISO AND FDA/CE/JIS APPROVED
USA/EUROPE/JAPAN/UK/PAKISTAN

ITEM NO. 54

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	AIR CONDITIONER SPLIT 1.5 TONS	Qty	02
Latest Model with 2 years warranty			
OR EQUIVALENT			

ITEM NO. 55

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	DESKTOP COMPUTER WITH LASER PRINTER	Qty	02
4 TH GENERATION SYSTEM			
8 GB RAM			
1 TB HARDDISK			
PRINTER			
LASER COPY			
BUILT IN SCANNER			
BUILT IN PHOTO COPIER			
BUILT IN FAX MACHINE			
OR EQUIVALENT			

ITEM NO. 56

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	REFRIGERATOR	Qty	02
2 DOOR			
18 CFT OR MORE			
LATEST MODEL WITH 2 YEAR WARRANTY			
OR EQUIVALENT			

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATION

POSTERIOR CHAMBER VITERCTOMY MACHINE WITH PHACO AND BUILT-IN GREEN LASER	QTY	01
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-Viterctomy System

Cut rate more than seven thousand.

Vitreotomy Pump base system with both venturi and peristaltic Simulation.

Momentary modes 3D Vitrectomy, momentary Vitrectomy, proportional vaccum Vitrectomy, wet Vitrectomy

Duty cycle; Core,50/50, Shave

-Pressurized infusion and Irrigation

IOP control infusion

-Green laser 532

Filter For Ziess Microscope

-Vacuum More than Five Hundred mm Diathermy Illumination Fragmtation Phaco

Suitable for hard cataract Phaco and Traditional phaco

-ILLUMINTION: Xenon**-Viscous fluid control**

Silicon Oil Injection Auto Gas injection Fluid Extrusion. Injection pressure: up to 550.0 K Pascal.

Vacuum up to 650 mmhg.

Versatility: 20Guage, 23Guage, 25Guage 27Guage

-AUTO-GAS FILLING**-Country of made USA, UK, France, Japan, Germany**



**PEOPLES MEDICAL COLLEGE HOSPITAL NAWABSHAH-
SHAHEED BENAZIRABAD**

**TENDER FOR PURCHASE OF FURNITURE / FIXTURE TO BE
INSTALLED AT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH- SHAHEED BENAZIRABAD**

INVITATION FOR BIDS

1. Sealed bids are invited from eligible bidders for Supply of FURNITURE/FIXTURE etc against funds provided in the year 2017-2018.
2. Bidding will be conducted under **SPP Rule 2010 clause 46(2)** single stage two envelope bidding procedures of Sindh Public Procurement Rule 2010 (Amended 2017) specified in this document is open to all interested bidders.
3. Interested bidders may obtain further information from the office of the Undersigned or from PM&I Wing, Health Department, 3rd Floor, Tuglaq House, Sindh Secretariat Building No. 2, Kamal Atta Turk Road, Karachi, during the office hours.
4. A complete set of bidding documents may be purchased by interested bidders on the submission of a written application from Office of the **UNDERSIGNED OR Section Officer (PM&I)**, Health Department, 3rd Floor, Tuglaq House, Sindh Secretariat Building No. 2, Kamal Atta Turk Road, Karachi, against the tender fee of Rs.2,000/- in shape of Pay Order / Demand Draft in the name of **Medical Superintendent, Peoples Medical College Hospital Nawabshah- Shaheed Benazirabad**.
5. The bidders are required to submit their sealed tender documents / bids (on or before 26-03-2018 at 12:00 Noon) at the office of **Medical Superintendent, Peoples Medical College Hospital Nawabshah- Shaheed Benazirabad**. Bids will be opened in the presence of bidders authorized representatives who choose to attend at 12:30 p.m.

Medical Superintendent,
Peoples Medical College
Hospital Nawabshah-
Shaheed Benazirabad

Instructions to Bidders

- 1) The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in the rejection of its bid.
- 2) Bid Security (*at* 2% of the total bid value of quoted items by the bidder in shape of pay Order / Demand Draft in favour of Medical Superintendent, Peoples Medical College Hospital Nawabshah-Shahed Benazirabad. Bids shall remain open for 90 days from the date of opening. A bid valid for a shorter period shall be rejected as being non-responsive.
- 3) The bid prepared by the Bidder shall comprise the following mandatory documents to be eligible:
 - (a) Tender Purchase Receipt (*Original*)
 - (b) Bid Security (Copy)
Note: Copy of the instrument with amount hidden in Technical Proposal envelope.
 - (c) General & Special Conditions of Contract
(*Duly filled, Signed & Stamped by Bidder*)
 - (d) Schedule of Requirements & Technical Specifications
(*Duly filled, Signed & Stamped by Bidder*)
 - (e) Undertaking
 - (f) Certificate
 - (g) Bidder's registration & membership (with a valid copy):
 - (i) Income Tax & GST Registration Certificate
 - (ii) Professional Tax Certificate (Sindh)
 - (iii) Chamber of Commerce & Industry Membership Certificate
Additional for Private Limited companies
 - (iv) SECP Incorporation Certificate
 - (h) Bidder's Financial Status:
 - (i) Company Profile
 - (ii) Bank Account Maintenance Certificate
 - (iii) Bank Statement (*last two years*)
(*Showing annual business turnover of ≥ 10 million rupees per year*)
 - (iv) Income Tax Return (*last two years*)
 - (i) Bidder's After Sale Services in Sindh:
 - (i) Service Workshop
 - (ii) Tools List
 - (iii) Qualified & Trained Personnel List (BE/BS/DAE)
 - (j) Original Equipment Manufacturer (OEM) or Brand quoted by the Bidder
 - (i) Brochure or Catalogue (*Original*)
[Note: Photocopies, Photographs or Word document not acceptable.]
 - (ii) References of the brand/manufacturer (*local, preferably in Sindh*)
 - (iii) References of the brand/manufacturer (*international*)
 - (iv) Factory (Address, Size, Machinery & Workforce)
[Note: It should prove sufficient production capacity at the facility.]

For Manufacturer (Local) of Hospital Furniture

 - (v) ISO 9001 Certificate
 - (vi) Chamber of Commerce & Industry Membership Certificate
 - (vii) EOBI Registration Certificate
 - (viii) Social Security Registration Certificate

For Manufacturer (International) of Hospital Furniture

- (ix) ISO 9001 Certificate
(x) CE Certificate or other certification
- (k) Bid Form & Price Schedules (*duly filled, signed & stamped by Bidder*)
[Note: Bid Form & Price Schedules should be enclosed inside Financial Proposal envelope]
- 4) **SAMPLE(S) of the quoted items in bid shall be submitted within 48 hours from the date and time of tender opening. Technical Evaluation of the goods will be based on SAMPLe(S) provided by the bidder. Alternate model or item which has not been quoted by the bidder shall be not acceptable as SAMPLe against the quoted model in the bid.**
- 5) Goods must be quoted with all the standard accessories.
- 6) The Purchaser will evaluate and compare the bids on itemized basis OR on the basis of a group OR a combination of groups OR as total package.
- 7) Prices shall be quoted in Pakistani Rupees on DDP basis.
- 8) The bidders shall quote their prices inclusive of all duties / taxes / Octroi transportation etc, and all other expenses on free delivery to Consignee's end
- 9) Price should be quoted both in figures and words, failing which the offer will be ignored.
- 10) The Purchaser reserves the right to appoint one of its committee members to visit and verify production facility in person to evaluate fabrication process, quality and capacity of the manufacturer. Furthermore, the member may also be asked to visit any public reference at which the manufacturer's products are installed for feedback (if required). All expenses are to be borne by the bidder in this regards.
- 11) The prices quoted by the Bidder shall be fixed during the performance of the contract and not subject to variation on any account. A bid submitted with an adjustable price or conditional will be treated as non-responsive and rejected.
- 12) The bidding procedure for this tender will be Single Stage - Two Envelope Procedure as follows:
- (a) The Bidder shall prepare bid comprise one single envelope containing separately financial proposal and technical proposal in original. Envelopes shall be marked as "**FINANCIAL PROPOSAL**" and "**TECHNICAL PROPOSAL**" in bold and legible letter to avoid confusion. The financial and technical bids, each consisting of the documents listed above.
- (b) **TECHNICAL PROPOSAL**; the bidder must provide the original Data sheet and Technical brochure, Income Tax, Sales Tax, Sole Agency certificate and other documents; otherwise the bid will be ignored.
- (c) **FINANCIAL PROPOSAL**; the bidder should provide bid security / earnest money at the rate of 2% of the quoted value. A photocopy of the same should be attached with Technical Proposal but its value must not be disclosed and this can be achieved by placing a piece of paper on the place where amount is mentioned.
- (d) Procuring agency shall evaluate the technical proposal in a manner prescribed in advance, without reference to the price and reject any proposal which does not conform to the specified requirements;
- (e) No amendments in the technical proposal shall be permitted during the technical evaluation;
- (f) Financial proposals of technically qualified bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance;
- (g) Financial proposal of bids found technically non-responsive shall be returned un-opened to the respective bidders; and
- (h) Bid found to be the lowest evaluated or best evaluated bid shall be accepted.

- 13) All pages of the bid, except for un-amended printed literature, shall be initialed by the bidder.
- 14) The bid shall contain no alterations, omissions, or additions, unless such corrections are initialed by the person or persons signing the bid.
- 15) Bids shall be submitted either by the manufacturer or its authorized distributor, if submitted by the manufacturer itself then bid of authorized distributor will be rejected.
- 16) Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price, which is obtained by multiplying the unit price and quantity, or between subtotals and the total price, the unit or subtotal price shall prevail, and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail. If the Bidder does not accept the correction of errors, its bid will be rejected.
- 17) The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of contract under the relevant provisions of SPPRA Rules 2010(amended 2017), without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Purchaser's action.
- 18) Prior to the expiration of the period of bid validity, the Purchaser will notify the successful Bidder through Advance acceptance. This will constitute the formation of the contract. Within seven (07) days after receipt of the Advance acceptance, the successful Bidder shall furnish the performance security @ 5% of the contracted amount and will sign the contract agreement.
- 19) Distributor once nominated by the manufacturer will be for the whole contract period and manufacturer cannot change its distributor during the year in any case
- 20) In case of discrepancies between the Tender Notice and the Tender Documents, the Tender Documents shall take precedence.

Duly accepted by

.....
Sign & Stamp

.....
Bidder Name

General & Special Conditions of Contract

- 1) The Procuring Agency is the Medical Superintendent, Peoples Medical College Hospital Nawabshah- Shaheed Benazirabad
- 2) The Bidder is: _____
- 3) The Contract shall be governed by and interpreted in accordance with laws of the Islamic Republic of Pakistan.
- 4) Stores are required in 90 days. The bidder may however give their short guaranteed delivery period by which the supply will be completed from the date of purchase order.
- 5) **The manufacturer should provide an undertaking that if his authorized contractor fails to carry out any assignment in total or in part, manufacturer will be responsible to carry out the same.**
- 6) Except as otherwise specifically provided in the Contract, the Contractor shall bear and pay all taxes, duties, levies and charges assessed on the Contractor.
- 7) The Contract Price shall be made to the Contractor as specified in the Contract Agreement, subject to the general principle / procedure of the Government of Sindh.
- 8) The term period of warranty / guarantee mean the period of twenty four (24) months from the date on which the Stores have been installed at Purchaser's site
- 9) During the period of warranty / guarantee, the Contractor shall remedy, at his / her expense, all defects in design, materials, and workmanship that may develop or are revealed under normal use of the goods upon receiving written notice from the Purchaser.
- 10) The contractor shall provide guarantee for supply of accessories, kits and chemicals, consumables, films etc. for at least 05 years (if applicable).
- 11) The Contract shall be executed in accordance with the Contract Documents and procedures.
- 12) The Purchaser or its representative / Committee shall inspect the Furniture to confirm their conformity to the Contract specification. The inspection will be conducted at the premises of consignee after receipt of supply.
- 13) If the Contractor fails to attain Completion of the supply within the Time for Completion shall pay to the Purchaser liquidated damages at the rate of 0.2% per week of the Contract Price, or the relevant part thereof. The aggregate amount of such liquidated damages shall in no event exceed the amount of 10%. Once the "Maximum" is reached, the Purchaser may consider termination of the Contract.
- 14) The Contractor warrants that the supplied item or any part thereof shall be free from defects in the design, engineering, materials etc. In case of defect in any part at the time of supply it shall be replaced with new one instead of repair.
- 15) The purchaser, without prejudice to any other remedy for breach of contract by written notice of default sent to the supplier, may terminate this contract in whole or in part:
 - (a) If the supplier fails to deliver any or all of the contracted items within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser.
 - (b) If the Supplier fails to perform any other obligation(s) under the Contract.

- (c) If the supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
- 16) The bidder shall confirm the refund of cost difference if the same goods is/was supplied at lower rates to any other Govt./Semi Government institution or Armed Forces in the Province or outside in the same fiscal year.
- 17) The Purchaser reserves the right to increase/decrease or delete the quantities of goods etc. at the time of award of contract and also reserves the right to increase/ decrease the quantity of goods and services originally specified in the contract without any change in unit price or other terms and conditions of goods at any time during the contract period as per provision(s) of Sindh Public Procurement Rules, 2010 (amended 2017).
- 18) For alternate offer, bidder shall purchase separate tender receipt from the procuring agency. Original receipt has to be enclosed with the Technical Proposal of the bidder having alternate offer. All bids with alternate offers having no separate receipt (original) will be liable to reject.

Duly accepted by

Sign & Stamp

Bidder Name

Bidder Evaluation Criteria

The following merit point system for weighing evaluation criteria will be applied for technical proposals.

S. No.	Parameter	Yes / No	Max Points	Points
1	Conformity to the Technical Specifications		30	
	a) Fully compliant with the required specifications		15	
	b) Compliant with minor deviation $\pm 5\%$ (subject to main function is not affected)		10	
	c) Sample approved		15	
2	Warranty		5	
	a) Warranty (period as required)		3	
	b) Warranty (period more than required)		5	
3	Bidder's Legal Status, Certification & Experience		12	
	a) SECP Incorporation (1 point/year)		2	
	b) Chamber of Commerce & Industry Membership (1 point/year)		2	
	c) ISO 9001 Certified (1 point/year)		2	
	d) Purchase Orders with total value ≥ 5 million rupees (2 point/order copy)		6	
4	Bidder's Financial Status		8	
	a) Bank Certificate		2	
	b) Bank Statement (last two years) (Showing annual business turnover of ≥ 10 million rupees per year)		2	
	c) Income Tax Return (last two years) (Showing annual business turnover of ≥ 10 million rupees per year)		2	
	d) Audited Financial Statement (last two years)		2	
5	Bidder's After Sales Services in Sindh		5	
	a) Service Workshop		2	
	b) Qualified & Trained Staff		2	
	a. Should have at least two technician with Bio-Data		2	
	b. Should have at least one technician trained by the principal			
	c) Tools & Spare Parts List		1	
6	Hospital Furniture: Manufacturer / Brand		40	
	a) Manufacturer's Authorization		2	
	b) Manufacturer's Website		4	
	c) Brochure or Catalogue (<i>original</i>)		4	
	d) ISO 9001 Certificate (<i>local manufacturer</i>)		2	
	e) CE Certificate (<i>foreign manufacturer</i>)		2	
	f) Chamber of Commerce & Industry Membership (<i>local manufacturer</i>)		2	
	g) F.O.B.I Registration Certificate (<i>local manufacturer</i>)		2	
	h) Social Security Registration Certificate (<i>local manufacturer</i>)		2	
	i) References of OEM brand / model			
	(i) Government / Semi-Government Teaching Hospital / Institute		2	
	(ii) Armed Forces		2	
	(iii) Charity Hospital / NGO		2	
	(iv) Private Teaching Hospital / Institute		2	
	(v) International Hospital / Institute		2	
	j) Factory (<i>local manufacturer</i>)			
	(i) Size (2 points/5000 sq. ft. space)		4	
	(ii) Tools		2	
	(iii) Machinery		2	
	(iv) Workforce		2	
	Total Points		100	

Note:

- If a bidder fails to (a) obtain minimum 10 Marks, against the criteria "Conformity to the Purchaser's Specifications", (b) have valid Manufacturer's Authorization and, (c) submitted SAMPLE(S) on-time, his offer will not be considered for further evaluation and rejected.
- Bidders achieving minimum 70 marks will be considered only.

Documents Checklist

Please review the following list of all possible documents to be enclosed with the Technical Proposal.

S. No.	Document Description	Yes / No	Page No.
General Bid Documents:			
1	Tender Purchase Receipt (Original)		
2	Bid Security (Pay Order / Bank Draft / Bank Guarantee)		
3	General & Special Conditions of Contract(Duly filled, Signed & Stamped by Bidder)		
4	Schedule of Requirements(Duly filled, Signed & Stamped by Bidder)		
5	Technical Specifications(Duly filled, Signed & Stamped by Bidder)		
6	Technical Proposal (on bidder's letterhead)		
Bidder's Documents:			
7	Manufacturer's Authorization (<i>as per sample form</i>)		
8	Undertaking (<i>as per sample form</i>)		
9	Certificate (<i>as per sample form</i>)		
10	Income Tax & GST Registration Certificate		
11	Professional Tax Certificate (Sindh)		
12	SECP Incorporation Certificate (<i>if applicable</i>)		
13	Company Profile		
14	Bank Certificate		
15	Bank Statement		
16	Audited Financial Statement (last year)		
17	Income Tax Return (last year)		
Original Equipment Manufacturer (OEM) or Brand of Hospital Furniture:			
18	Catalogue / Brochures (original)		
19	ISO 9001 / CE Certificate		
20	Chamber of Commerce & Industry Membership Certificate (<i>local manufacturer</i>)		
21	EOBI Registration Certificate (<i>local manufacturer</i>)		
22	Social Security Registration Certificate (<i>local manufacturer</i>)		
23	References of the quoted brand/manufacturer (<i>local</i>)		
24	References of the quoted brand/manufacturer (<i>international</i>)		
Additional Documents:			

Note:

- Mandatory documents are mentioned in 'Instructions to Bidders'.
- All pages of the bid, except for un-amended printed literature, shall be initialed by the Bidder.

Bidder's details for notice purposes:

Bidder Name:	
Address:	
Tel No	
Fax No.	
Contact Person:	
Mobile No.	
Email Address:	

ITEM NO. 01

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	Revolving Stool SS Top	Qty	12
<p style="text-align: center;">Revolving Stool SS Top <u>Specifications:</u></p> <ul style="list-style-type: none"> - Revolving patient examination stool - Top made of moulded stainless steel sheet - Central 1 3/4" MS round pipe with screw mechanism - Legs made of 1" MS round pipe fitted together by 5/8" MS round pipe for stability and strength - Rubber boot on feet for floor grip - Electrostatic epoxy powder coated paint finish - Or Equivalent <p style="text-align: center;"><u>Certifications:</u> ISO</p> <p style="text-align: center;"><u>Make:</u> Local Export Quality or Equivalent</p>			

ITEM NO. 02

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	Ward Screen, 3 Folds	Qty	10
<p style="text-align: center;"><u>Specifications:</u></p> <ul style="list-style-type: none"> - Dimensions: 96" x 61" (W x H) - Frame in three panels for screening patient properly - Made from 18SWG MS tubular pipe 1" diameter - Frames fixed together with ABS universal joints, easily movable - Polyester curtains fitted on steel pipe rods - Mobile on six imported 2" castors - Electrostatic epoxy powder coated steel finish - Or Equivalent <p style="text-align: center;"><u>Certifications:</u> ISO</p> <p style="text-align: center;"><u>Make:</u> Local Export Quality or Equivalent</p>			

ITEM NO. 03

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	Bed Side Cabinet	Qty	12
<p style="text-align: center;"><u>Specifications:</u></p> <ul style="list-style-type: none"> - Cabinet made of 1mm thick Galvanized steel sheet - Top of PVC material with three sides raised edges - Drawer 3" depth having sheet inbuilt handle with full extension ball bearing railing - Cabinet door having sheet inbuilt handle and magnetic strip with firm grip - Recessed shelf, removable 			

<ul style="list-style-type: none"> - Mobile on four imported 2" twin castors - Electrostatic epoxy powder coated finish - Or Equivalent <p style="text-align: center;"> <u>Certifications:</u> ISO <u>Make:</u> Local Export Quality or Equivalent </p>

ITEM NO. 04

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	Over Bed Table	Qty	12
<p style="text-align: center;"><u>Specifications:</u></p> <ul style="list-style-type: none"> - Frame dimension 27" x 17" - Stable frame made of 16SWG 1" x 2" MS tubular pipe - Top of laminated melamine board 32" x 15" with sides dressed with PVC lining - Telescopic height adjustment from 31" to 45" with tightening of screw knob - Adjustable column of tubular stainless steel pipe - Mobile on four imported 2" twin castors - Electrostatic epoxy powder coated finish - Or Equivalent <p style="text-align: center;"> <u>Certifications:</u> ISO <u>Make:</u> Local Export Quality or Equivalent </p>			

ITEM NO. 05

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	Patient Attendant Bench	Qty	50
<p style="text-align: center;"><u>Specifications:</u></p> <ul style="list-style-type: none"> - Dimensions: 72" x 24" x 16" - Structure made from 16SWG MS pipe - Round MS pipe bows at both ends - Upholstered with high quality 1" foam and rexene - All legs base fitted with PVC plug for floor protection - Electrostatic epoxy powder coated paint finish - Or Equivalent <p style="text-align: center;"> <u>Certifications:</u> ISO <u>Make:</u> Local Export Quality or Equivalent </p>			

ITEM NO. 06

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	Drip Stand SS	Qty	10
<p align="center"><u>Specifications:</u></p> <ul style="list-style-type: none"> - Outer 16SWG stainless steel pipe - Stainless steel telescopic inner rod - Four Stainless steel hooks - Spring loaded for drop safety - Stainless Steel base mobile on 5 wheels - Or Equivalent <p align="center"><u>Certifications:</u> ISO</p> <p align="center"><u>Make:</u> Local Export Quality or Equivalent</p>			

ITEM NO. 07

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	Hi-Low Stretcher Trolley	Qty	02
<p align="center"><u>Specifications:</u></p> <ul style="list-style-type: none"> - Dimensions: 75" x 26" - Frame made of 16SWG MS pipe - Removable stretcher top with washable rexene cover and Velcro straps - Removable pillow with stretcher top - Height adjustment from 21" to 36" from floor using acme screw crank - Rubber bumper on all sides for protection - Utility basket in base trolley - IV pole holder at diagonal end - Patient safety side guards of stainless steel pipe which is slidable up and down - Mobile on four 8" rubber castors (diagonal brakable) - Electrostatic epoxy powder coated steel finish - Or Equivalent <p><u>Accessories:</u> 1) IV Transfusion Pole 2 hooks with inner chromed steel pipe Height adjustment by tight screw Outer MS pipe epoxy powder coated Or Equivalent</p> <p align="center"><u>Certifications:</u> ISO</p> <p align="center"><u>Make:</u> Local Export Quality or Equivalent</p>			

ITEM NO. 08

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	Wheel Chair Fixed	Qty	30
<p style="text-align: center;"><u>Specifications:</u></p> <ul style="list-style-type: none"> - Dimensions: 32" x 28" x 20" - Main frame constructed from 16SWG MS round pipe - Seat and back upholstered with foam & rexene - Arm rest of plastic - Rear wheel of 8" non-swivel type - Front wheel of 5" swivel type - Rubber bumpers on chair sides - Holder for IV pole on one side - Utility basket underneath - Tilting paddles at back, push handle - Foldable foot rest of round stainless steel pipe - Electrostatic epoxy powder coated steel finish - Or Equivalent <p style="text-align: center;"><u>Certifications:</u> ISO</p> <p style="text-align: center;"><u>Make:</u> Local Export Quality or Equivalent</p>			

ITEM NO. 09

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	Officer Table	Qty	12
<p style="text-align: center;"><u>Specifications:</u></p> <ul style="list-style-type: none"> - Sheesham wood frame with lamination top in heavy, duty finish - Three drawers on one side with handles, locks and sliding on imported rails in full extension - High quality matt finish wood lacquer polish in light oak veneer shade - Dimensions: L 42" x W 24" x H 26" - Or Equivalent <p style="text-align: center;"><u>Certifications:</u> ISO</p> <p style="text-align: center;"><u>Make:</u> Local Export Quality or Equivalent</p>			

ITEM NO. 10

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	Revolving Chair	Qty	1
<p style="text-align: center;"><u>Revolving Chair</u> <u>Specifications:</u></p> <ul style="list-style-type: none"> - Medium back with arm rests revolving chair - Moulded P U Foam 			

- Seat: 20" x 18"
- Fabric upholstered seat & back cushions
- High quality gas spring lift for height adjustment
- Mobile on imported five legged wide nylon base with 2" twin castors
- Preferably Master or Chairister
- Or Equivalent

Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 11

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Office Visitor Chair	Qty	28
<u>Specifications:</u>			
<ul style="list-style-type: none"> - Made of high quality 'Talli' wood without cracks, knots and SAP wood - Standard design with arm rests - Back with three 3" strips - Seat with Rexene or heavy duty fabric upholstery - High quality matt finish wood lacquer polish in light oak veneer shade - Dimensions: 22" x 20" x 36" - Or Equivalent 			
<u>Certifications:</u>			
ISO			
<u>Make:</u>			
Local Export Quality or Equivalent			

ITEM NO. 12

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	File Cabinet	Qty	10
<u>Specifications:</u>			
<ul style="list-style-type: none"> - Dimensions: 53" x 18" - Made of 20 SWG Galvanized steel sheet - Three drawer with full extension ball bearing railings - Single all drawer key-lock system - High quality textured finish DECO paint - Or Equivalent 			
<u>Certifications:</u>			
ISO			
<u>Make:</u>			
Local Export Quality or Equivalent			

ITEM NO. 13

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Steel Almirah	Qty	10
<p align="center"><u>Specifications:</u></p> <ul style="list-style-type: none"> - Dimensions: 72" x 36" x 18" - Made of 20 SWG Galvanized steel sheet - Four shelves of steel sheet - Double door with durable lock - High quality textured finish DECO paint - Or Equivalent <p align="center"><u>Certifications:</u> ISO <u>Make:</u> Local Export Quality or Equivalent</p>			

ITEM NO. 14

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Waiting Area Bench(Cold Rolled Steel)	Qty	100
<p align="center"><u>Specifications:</u></p> <ul style="list-style-type: none"> - Dimensions: 70" x 26" x 31" - Seat made of perforated cold-rolled steel sheet with powder coating finish - Side frame, arms and legs of cold-rolled steel with surface chrome plating treatment - Beam made of 3" x 1½" steel pipe, epoxy powder coated finish - Or Equivalent <p align="center"><u>Certifications:</u> ISO <u>Make:</u> Local Export Quality or Equivalent</p>			

ITEM NO. 15

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Examination Couch	Qty	06
<p align="center"><u>Specifications:</u></p> <ul style="list-style-type: none"> - Dimensions: 72" x 24" x 28" - Body frame made up of 16SWG 1¼" MS round pipe - Welded base for stable operation - Backrest adjustable, up 40° to 50° and down 10° to 15° with friction clutch lever - Lying area in two parts upholstered with 2½" foam & rexene - PVC boots on feet for grip and noiseless operation - Electrostatic epoxy powder coated paint finish - Or Equivalent <p align="center"><u>Certifications:</u></p>			

ISO Make: Local Export Quality or Equivalent
--

ITEM NO. 16

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	BED WITH MATTRESS	Qty	30
<p>Specification: Dimensions: 78" x 36" x 22" Patient lying area in four sections Reinforced strips of 1mm thick MS sheet platform Bed frame made of 16SWG MS tubular pipe Back-rest and knee-rest adjustable by two individual screw cranks Crank handles to be latched under foot end ABS headboard and footboard with inbuilt handles Headboard and footboard, lockable & easily removable Holders for mattress at four positions on the bed Hooks for urine bag and NG bag at each side of the bed Holder sockets for IV pole at diagonal ends of the bed Folding patient safety side rails (imported) with lock each side of the bed Mobile on four imported 5" castors (European standard), two with swivel-type lock at diagonal end Working load capacity: 125 Kg Electrostatic epoxy powder coated finish OR Equivalent</p> <p>Accessories: 1) MATTRESS WITH REXENE COVER Dimensions: 78" x 36" x 4" Foam mattress with Rexene cover fitted with zip Manufacturer's warranty of 10 years or more Preferably Master or Diamond</p> <p>Certifications: ISO Make: Local Export Quality or Equivalent</p>			

ITEM NO. 17

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	SOFA SET	Qty	02
<p>Specification: Frame made of seasoned 'Talli' wood Fabric or Rexene upholstered seat and back cushion Seat foam size of 22" x 22" x 4" Foam preferably of Master or Diamond OR Equivalent</p>			

<u>Certifications:</u> ISO <u>Make:</u> Local Export Quality or Equivalent

ITEM NO. 18

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	CENTRAL TABLE SET	Qty	02
Sheesham wood frame with high gloss laminated board top High quality matt finish wood lacquer polish in light oak veneer shade CR Equivalent <u>Certifications:</u> ISO <u>Make:</u> Local Export Quality or Equivalent			

ITEM NO. 19

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	FILE RACK	Qty	05
Stable front frame structure made of 20G MS. Central locking system. Anti-Tilt mechanism. Each drawer shall be suitable for legal size files and documents. Each drawer shall have 2 steel adjustable divider for hanging files. Standard drawer loading capacity 30-40Kg. Exterior finished with hammer color. OR Equivalent <u>Certifications:</u> ISO <u>Make:</u> Local Export Quality or Equivalent			

37189



BIOS
SERVING HUMANITY WITH TECHNOLOGY

Price Schedule
Pak Rupees DDP Basis

Tender for Purchase of Machinery / Equipment and Instrument to be installed at Peoples Medical College Hospital Nawabshah-Shaheed Benazirabad.

S#	Detailed Specification of Goods	Qty.	Model	Brand	Unit Price DDP Rupees	Total Price DDP Rupees
10	Defibrillator	10	Reanibex 700	Osatu	512,600.00	5,126,000.00
17	Pulse Oximeter	05	CLEO	Infinium Medical	154,300.00	771,500.00
31	B&W Ultrasound Machine	01	A6	Sonoscape	595,000.00	595,000.00
32	Laptop High End Color Doppler Ultrasound Machine	01	X5	Sonoscape	3,125,000.00	3,125,000.00
33	Radiography System with DR	01	Rad Room PRO with FPD	Stephanix	16,102,000.00	16,102,000.00
35	X-Ray Radiography System	01	N 50HF	Stephanix	5,610,000.00	5,610,000.00
44	Capnograph Sidastream	06	CLEO	Infinium Medical	451,000.00	2,706,000.00
Total Amount in Local Currency in Pak Rupees:						34,035,500.00

Sign & Stamp: 

Bidder Name: M/s. BIOS

Contact Person: Munir Ahmed

Contact No.: 0345-2383771

Date: March 24, 2018

Head Office:
2nd. Floor Building No. 20
12 Commercial, Phase II Ext.
D.H.A. Karachi-Pakistan

Lahore Office:
1st Floor, Munawar Apartment
Behind Queens Centre,

Islamabad Office:
Office No. 404, Royal Center,



BIOS

SERVING HUMANITY WITH TECHNOLOGY

Price Schedule

Foreign Currency CIF Basis

Tender for Purchase of Machinery / Equipment and Instrument to be installed at Peoples Medical College Hospital Nawabshah-Shaheed Benazirabad.

S#	Detailed Specification of Goods	Qty.	Model	Brand	Unit Price C&F	Total Price C&F
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17	Pulse Oximeter	05	CLEO	Infinium Medical	-----	-----
31	B&W Ultrasound Machine	01	A6	Sonoscape	-----	-----
32	Laptop High End Color Doppler Ultrasound Machine	01	X5	Sonoscape	-----	-----
33	Radiography System with DR	01	N 50HF	Stephanix	€ 83,900.00	€ 83,900.00
35	X-Ray Radiography System	01	N 50HF	Stephanix	€ 33,750.00	€ 33,750.00
42	Anesthesia Machine with Built-in Ventilator	01	Astra 3i	OES Medical	-----	-----
44	Capnograph Sidestream	06	CLEO	Infinium Medical	-----	-----
Total Amount in Foreign Currency						-----

Sign & Stamp: 

Bidder Name: M/s. BIOS

Contact Person: Munir Ahmed

Contact No.: 0345-2383771

Date: March 24, 2018

Head Office:
2nd, Floor Building No. 2C
12 Commercial, Phase II Ext.
D.H.A. Karachi-Pakistan

Lahore Office:
1st Floor, Munawar Apartment,
Behind Queens Centre,

Islamabad Office:
Office No. 404, Royal Center,



BIOS

SERVING HUMANITY WITH TECHNOLOGY

Price Schedule

Pak Rupees DDP Basis

Tender for Purchase of Machinery / Equipment and Instrument to be installed at Peoples Medical College Hospital Nawabshah-Shaheed Benazirabad.

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44	Capnograph Sidestream	06	CLEO	Infinium Medical	451,000.00	2,706,000.00
Total Amount in Local Currency in Pak Rupees:						34,035,500.00

Sign & Stamp: _____

Bidder Name: M/s. BIOS

Contact Person: Munir Ahmed

Contact No.: 0345-2383771

Date: March 24, 2018

Head Office:

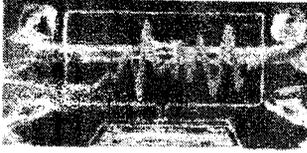
2nd. Floor Building No. 2C
12 Commercial, Phase II Ext.
D.H.A. Karachi-Pakistan

Lahore Office:

1st Floor, Munawar Apartment,
Behind Queens Centre,

Islamabad Office:

Office No. 404, Royal Center,



B I O S

SERVING HUMANITY WITH TECHNOLOGY

Price Schedule Foreign Currency CIF Basis

Tender for Purchase of Machinery / Equipment and Instrument to be installed at Peoples Medical College
Hospital Nawabshah-Shaheed Benazirabad.

S#	Detailed Specification of Goods	Qty.	Model	Brand	Unit Price C&F	Total Price C&F
10	Defibrillator	10	Reanibex 700	Osatu	-----	-----
17	Pulse Oximeter	05	CLEO	Infinium Medical	-----	-----
31	B&W Ultrasound Machine	01	A6	Sonoscape	-----	-----
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33	Radiography System with DR	01	N 50HF	Stephanix	€ 83,900.00	€ 83,900.00
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42	Anesthesia Machine with Built-in Ventilator	01	Astra 3i	OES Medical	-----	-----
44	Capnograph Sidestream	06	CLEO	Infinium Medical	-----	-----
Total Amount in Foreign Currency						-----

Sign & Stamp: 

Bidder Name: M/s. BIOS

Contact Person: Munir Ahmed

Contact No.: 0345-2383771

Date: March 24, 2018

Head Office:
2nd, Floor Building No. 2C
12 Commercial, Phase II Ext.
D.H.A. Karachi-Pakistan

Lahore Office:
1st Floor, Munawar Apartment,
Behind Queens Centre,

Islamabad Office:
Office No. 404, Royal Center,

LE UNIVERSAL ENTERPRISES

March 24, 2018

The Medical Superintendent,
People Medical College Hospital,
Benazirabad, Nawabshah.

COVERING LETTER OF FINANCIAL OFFER FOR PEOPLE MEDICAL COLLEGE HOSPITAL, BENAZIRABAD, NAWABSHAH

Ref: - TENDER FOR THE PROCUREMENT OF MACHNARY & EQUIPMENT (SUPPLY &
INSTALLATION)

FOR PEOPLE MEDICAL COLLEGE HOSPITAL, NAWABSHAH
DISTRICT, SHAHEED BENAZIRABAD IN FOR BASIS

FOR THE FINANCIAL YEAR 2015-2016,

DUE DATED: - March 26, 2018 AT12:00PM

Dear Sir,

Further to above reference, we are pleased to offer our best possible prices for the said tender. Hence we submit the following as required.

1. Earnest money (Original)

- a. Bank: UBL
- b. Branch: Charadni chawk, Karachi
- c. Cheque No #: 14386161
- d. Amount: Rs. 1,712,550.00

2. Financial Bid No. UBM-039/08/18

Thanking you,

Yours faithfully,



for Universal Enterprises





UNIVERSAL ENTERPRISES

240, 2nd Floor, The Grand, 2nd Avenue, Sector 10, Gurgaon, Haryana, India
Phone: +91-122-4123456, 41234567 Fax: +91-122-4123456, 41234567

VTBI Setting Range:	0.10 to 300.00 ml/h (0.10mL step) 100.00 to 9999.00mL (1.00mL Step) When the dose rate is set in a mass units, setting in mass units is possible. (VTBI Setting range: 0.01 ng to 9999.99 kg).
VTBI Time Setting Range:	1 min to 99 hours 59 mins (1 min step)
Weight Setting Range: (LM-800 Only)	0.1 to 300 kg (0.1kg step)
Hands on Bolus Rate:	100.00 to 1200.00mL/h (when setting is 20 drops/ml) 100.00 to 300.00mL/h (when setting is 60 drops/ml) (100.00mL/h step)
Hands free Bolus dose Rate:	0.01 to 10.00 (0.01 step) 10.00 to 100.00 (0.10 step) 100.00 to 999.00 (1.00 step) In unit of such as ml and mg/kg etc)
Hands free Bolus dose time range:	1 sec to 60 mins 00 sec (1 sec step)
Flow rate Accuracy:	Within $\pm 3\%$ (The hourly precision after one hour has passed since the start of solution delivery, in the case where water or a physiological saline solution is used at a constant flow rate of 1.00 ml/h or more (ambient temperature: 20 \pm 2 $^{\circ}$ C) according to IEC 60601-2-74 Within $\pm 5\%$ (The hourly precision after one hour has passed since the start of solution delivery, in the case where water or a physiological saline solution is used with a specified infusion set or blood transfusion set at a constant flow rate of 1.00 ml/h or more (ambient temperature: 20 \pm 2 $^{\circ}$ C) according to IEC 2423-60601 The flow rate accuracy of the PVC-Free infusion sets is $\pm 10\%$ at a low rate of 500 ml/h or more.



Occlusion Detection Pressure: Upper occlusion detection pressure 100- to 30- kPa.
Lower Occlusion detection pressure 30 to 120 kPa.
The Lower occlusion detection pressure can be set in 10 levels.

Purge Flow Rate: Approx. 500 mL/h

Wireless LAN (LM800 only)

Power Consumption: 28VA

Manufactured By: **Terumo Corporation**
Country of origin: **Japan**

[Handwritten signature]



Power supply

AC100 to 240V, 50 to 60Hz

Internal battery (lithium ion battery)

- Continuous use period: Approx. 12 hours (applies when solution is delivered continuously at 5 mL/h in ambient temperature of 25°C with now fully)
- Charging time: ≥8 hours (when charged with AC power supply with the power turned off)

classification

Class I equipment and internally powered equipment, type CF applied part, Continuous Operation, IP24

Manufactured By: **Terumo Corporation**

Country of origin: **Japan**

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3

Surgiline
2000R

Item No. 09: OT Table for Gyne & Urology

8

\$14,700.00

\$117,600

Rs 1,796,515

Rs 14,372,122

Operating Table Electrohydraulic

Technical details:

Height adjustment:	740 - 1070 mm
Height adjustment (w/mattress):	770 - 1100 mm
Tabletop:	500 x 1980 mm
Table base:	370 x 830 mm
Head section:	500 x 305 mm
Back section:	500 x 530 mm
Seat section:	500 x 560 mm
Right leg section:	235 x 62mm
Left leg section:	235 x 620mm
Voltage:	230V, 50Hz
Battery recharge voltage:	DC 27.2V
Remote control voltage:	DC 5V
Motor voltage:	DC 24V, 10A
Battery:	Maintenance free, lead acid
Battery type:	A500
Battery capacity:	7Ah, DC 12V

Table positions:

Head section:	Upward 18°, Downward 90° Extendable 5 cm, Removable
Lateral:	Right 30°, Left 30°
Trendelenburg:	30°
Reverse Trendelenburg:	30°



UCV Integration

Quasar® elite is designed to work with all UCV ceilings, with minimum air turbulence and thermal lift. The lights have been independently tested to DIN 1946 Part 4 (12-2008) and comfortably exceed the requirements.

Red Balance Control

A unique feature to Quasar® elite, Red Balance Control, provides the user with the option to adjust the balance of red light to match their own optical colour response. This allows the user to fine-tune the light ensuring minimal eye strain by making the light do the work instead of the eye.

Fat Beam Technology

Quasar® elite provides the very best light beam quality of any other product. Higher light flux ensures the biggest beams of light in the business, bigger illuminated fields and more light across the full width of the illuminated area.

- High light intensity across the full illuminated area for uniform vision
- Large wound sites can be easily examined
- Beam size is adjustable to user preference
- 420mm maximum beam diameter

Comfort Halo

Quasar® elite has been specifically designed to reduce eye strain for the user. The unique Comfort Halo forms an intermediate corona to create a more gradual change in contrast between the area illuminated by the operating light and general theatre lighting.



UNIVERSAL ENTERPRISES

12761 4.5' adjustable stem tube
12981 m16 ceiling anchoring kit
bepu0300124 300w 24vdc emergency power supply modukle (1 per lamphead)
eb113847-1218 battery agm 12v 18ah for above (2 battery per bepu unit) (1-3 hours)
hm33562c spare sterile handle cover

Light Quality Characteristics	Qe60	Qe60
Light Intensity (Lux)	160000	160000
Number of Light Source	90	90
Light Field Diameter (d10 distance of 1m)	200-420 mm	200-420 mm
Light field diameter (d50 distance of 1m)	120-250mm	120-250mm
Beam Uniformity (d50/d10 Ratio)	0.6	0.6
Comfort Halo (at 1m)	2000 mm	2000 mm
Colour rendition index	95	95
Colour rendition (Red)	95	95
Colour Temperature	3100°K to 5000° K (5 Steps)	
Electrical & Mechanical Characerstics		
Nominal Power Consumption	2.07A / 48 W	2.07A / 48 W
Radiant Energy	<3.31mW/m ² Lux	
Degree of Protection: light head	IP54	
LED Life	>60 000 Hours	

- 12761 4.5' adjustable stem tube 1
- 12981 m16 ceiling anchoring kit 1
- bepu0300124 300w 24vdc emergency power supply modukle (1 per lamphead) 2
- eb113847-1218 battery agm 12v 18ah for above (2 battery per bepu unit) (1-3 hours) 4
- hm33562c spare sterile handle cover 2

HD Camera System

- 14242 Brandon Qelite Electrical Connectivity Up-Grade For HD CAM 1
- 14243 HD 600 Quasar Elite Integrated HD Camera Engine 1
- 13974-2 Wireless Remote Control For Light Functions Wall Mount Double 1

L





10

Novela

Item No. 18: Suction Machine Heavy Duty 40

€ 858

€ 34,333

Rs 127,926

Rs 5,117,040

Heavy Duty Surgical Suction Unit

The Vacuum Jar should be sterilized at 134 °C between 3,5-5 minutes

Technical Properties

General :

Model	Novela
Product Description	Surgical Suction Unit
Collecting Jars	2 Collecting Jars
Jar Selection	Jar Selecting Lever
Air Flow Rate	0-60 LPM
Max. Noise Level	Max. 55 dB
Pump Features	Oil Free ,Maintenance Free Vacuum Pump
Pump Power	0,35 kW
Wheel Features	4 Castors,Two of Them with Brake(Ø72,5x65mm)
Gross Weight	23 kg
Packaging Dimensions	490x520x860mm
Product Documentation	CE
Classification	Class IIa (MDD 93/42 EEC)
Standards	EN ISO 10079-1, EN 60601-1

Electrical:

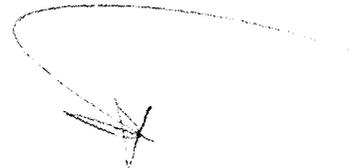
Inlet Voltage	220-240 VAC, 50-60 Hz
Device Power	400 Watt
Electrical Protection Class	Class I

Material:

Body Material	Aluminium Main Body
Upperside / Underside material	ABS Plastic

Collecting Jars:

Plastic Jar	5 Lt
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Standarts Accessories

Vacuum Jar	2
catheter cup and trap	1
Silicone hose 2 meters	1
Silicone Hose 50 cm	1
Adsorbent jar	1
Hydrophobic filter	10

Manufactured by: **Uzumcu**
 Country of Origin: **Turkey**

11	<u>Item No. 24: Icu Beds Electric</u>	10	\$3,430.00	\$34,300	Rs 477,456	Rs 4,774,560
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**BA-6000-
N17 Hospital Electric Bed**

Features

- All Parts are made by tooling to ensure uniform quality
- Mattress Base tops made of ABS high Impact Plastic
- Easy to Clean
- Bed frame are made of steel with epoxy powder coated and baked finish resistant to chipping & scratching
- Easy detachable & removable and can clead easily
- Head & foot boards (Material: PE blow in one Piece)
- Mobile on 4 x 150mm diameter wheels with central locking system
- Hi-Lo backrest, legrest and trendelenburg & reverse trendelenburg by electric motorize by patient control and nurse control

- Foldable PE blow guard rails with gas spring assisted adjustable 2 pcs at each side of the bed with smooth and easy to clean surface and drainage hook
- able to get chair position
- Provision of IV pole attachment at 4 corners of bed & telescopic
- SS IV drip pole with 4 hooks
- Provision for Monkey pole attachment
- CW angle indicator for backrest and tilting
- Complete with PU foam Mattress with chemsafe cover (fire Retardant, water proof, anti-bacteria and anti-static)
- Safe working load 180 KG UDL
- Auto contour to achieve the most ergonomic and comfortable position
- C/W X-Ray radio translucent base from head to torso
- Instant CPR release provided
- Electric System
- DC-Actuator System
- Voltage: 220-240V; 50-60 Hz

Additional Accessories

Overbed Table

Height Adjustment through Gas Spring
Casters: 40mm dia x 4 pcs



Bedside Cabinet

Pull out table included 40mm dia castors x 4 pcs
Dimensions: 445mm x 460mm x 780mm (W x D x H)
Body Powder coated steel
Table & Cabinet top & drawer ABS

IV pole

Manufactured by: LKL Advance Metal tech Sdn Bhd
Country of Origin: Malaysia

Total Amount of Bid In Pak Rupees	Rs 82,578,252
Rupees Eighty Two Million, Five Hundred Seventy Eight thousand, Two Hundred Fifty Two Only.	

General Terms and Conditions:

Validity: As Per Tender
Price: In FCR (Pak Rupees) and In C&F
Delivery: As Per Tender
Warranty: As Per Tender

Thanking You,

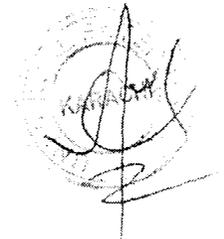
for Universal Enterprises



LE UNIVERSAL ENTERPRISES

- 707-520 Monopolar Cable 3 M Male 4mm / Female 4mm: |
- 704-602 Suction Tube Luer Lock D.5mm: |
- 704-121 Two-Way Stopcock For Contrast Medium: |

Manufactured by: **Tekno GmbH**
Country of Origin: **Germany**



7	Item No. 14: Peads Cystoscope With Bridge	1	€ 8,027	€ 8,027	Rs 1,196,354	Rs 1,196,354
	700-271 Cystoscope 1,9mm D., 0°, 187,5mm HD					
	700-272 Cystoscope 1,9mm D., 30°, 187,5mm HD					
	793-018 Paediatric Cystoscope-Urethroscope Sheat 9.5ch W. 2fixed Stopcock					
	793-019 Obturator Cystoscope-Urethroscope Sheat 9.5ch Paediatric					
	793-012 Paediatric Cystoscope-Urethroscope Sheat 11 Cgari And 2 Fixed Stopcock					
	793-016 Obturator For Paediatric Cystoscope- Urethroscope Sheath 11 Charr.					
	793-186 Grasping Forcecps, Serrated, Allig. Jaw 25cm. 3 Charr.,Flexible, Double Action					
	793-182 Biopsy Forceps.Oval,25cm,3 Charr. Flexible, Double Action Flexible, Double Action					
	790-482 Coagulation Electrode Flexible,WL 450mm Ball Shaped, 3 Charr. Unipolar					
	790-487 Needle Electrode Flexible WL 450mm 3 Charr. Unipolar					
	790-312 Monopolar High Frequency Cable,L.3M D.8mm					

Manufactured by: **Tekno GmbH**
 Country of Origin: **Germany**

5

Qe60 MEL

Item No. 11: Portable OT Light

5

£

6,761

£33,805

Rs 1,139,082

Rs 5,695,410

QUASAR Elite HD-LED MOBILE SURGICAL LIGHT 160,000 LUX WITH EMERGENCY POWER UNIT 1-3hrs

Quasar® eLite Mobile High Performance Operating Light

Near Perfect Colour Rendition with Red Balance Control

For the best visualisation of tissue during surgery.

Fat Beam Technology

The largest light beams of any current product with high intensity across the full beam width.

Unique Comfort Halo

A soft halo of light to reduce eye strain from high contrasts of light intensity.

Designed to Minimise Infections

Easy to clean, sealed light head, remote controls and anti-microbial coatings.

Premium Quality Movement

Low weight light head and perfectly balanced arm system.

Light Quality Characteristics	
Max. Light Intensity	160,000 Lux
Beam Size Characteristics (Measured at 1m)	
Light field diameter (d10)	200-420 mm
Light field diameter (d50)	120-250 mm
Beam Uniformity (d50/d10 ratio)	0.6

Electrical & Mechanical Characteristics	
Nominal power consumption	48 W
Radiant energy mWm^{-2} , Lux	<3.31
IP rating of light engine	54
LED Life	> 60,000 hours

HM33562C Spare Sterile Handle Cover

Manufactured by: **Brandon Medical**
Country of Origin: **United Kingdom**

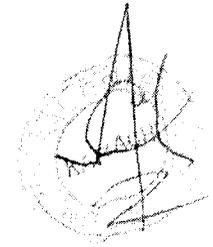


6

Item No. 12: Laparoscope Set Complete

- 700-020 Laparoscope 10mm D., 0°, 310mm HD
- 754-2000 HD Full-HD Endoscopy Camera, Tchp, Tekno Cam 1000HD, Pal/Ntsc, Without Objective
- 754-3908 Objective Vario-Zoom F 15 -35mm, C-Mount, Soakable
- 753-0155 Fsn Flatscreen Monitor 26" HD, Med. Approved, Without Monitor Stand
- 754-LA150 Led-Light Source, Tekno Light Led 1500 Intensity Control Automatic
- 754-1532 H Insufflator Tekno Flow45s, Gas Flow 45l/Min, With Big Pressure Display With Heater
- 39523-23 Led High Density Fiberoptic Cable 4.8mm, 2300mm, Without Adapters
- 39528-00 Adapter For Fibre Glas Cable Wolf / Henke Sass / Dyonics / Medicon / Comeg
- 39525-10 Adapter For Fibre Glas Cable, Tekno/Storz Winter + Ibe / Aesculap, Endoscope Side
- 758-0141 Equipment Trolley Basic, 530x610x1320mm 4 Deposit Consoles 424x430mm Without Cable
- 704-375 Automatic Trocar Sheath 11mm With Stopcock, Manual Opening + Trocar Pyramidal
- 704-370 Automatic Trocar Sheath 5,5mm With Stopcock, Manual Opening + Trocar Pyramidal
- 704-100 Veress Insufflation Needle 2.0x120mm Chrome-Plated
- 775-4003 Handle For Laparoscopic Instruments W/O Ratchet, Insulated, Plastic Black, Ergo
- 775-4004 Handle For Laparoscopic Instruments With Ratchet, Insulated, Plastic Black, Ergo
- 775-4010 Outer Shaft For Grasper And Scissors Insulated 5 mm, 33cm Length

€ 37,362 € 37,362 Rs 5,568,475 Rs 5,568,475



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10000 University Blvd, Suite 100, Houston, TX 77036
 Phone: (713) 865-1100 Fax: (713) 865-1101
 Website: www.universalenterprises.com

- 775-4100 Grasping Forc. De Bakay, 30mm Jaw Length 5mm, Double Act., Insert Only, 33cm, Atraum. 1
- 775-4004 Handle For Laparoscopic Instruments With Ratchet, Insulated, Plastic Black, Ergo 1
- 775-4010 Outer Shaft For Grasper And Scissors Insulated 5 mm, 33cm Length 1
- 775-4036 Grasping Forceps, 5 mm, Double Action, Insert Only, 33 Cm 1
- 775-4004 Handle For Laparoscopic Instruments With Ratchet, Insulated, Plastic Black, Ergo 1
- 775-4010 Outer Shaft For Grasper And Scissors Insulated 5 mm, 33cm Length 1
- 775-4065 Grasping Forceps, 2x4 Insert Only 5 M Double Action, 35 Cm 1
- 775-4003 Handle For Laparoscopic Instruments W/O Ratchet, Insulated, Plastic Black, Ergo 1
- 775-4010 Outer Shaft For Grasper And Scissors Insulated 5 mm, 33cm Length 1
- 775-4069 Maryland Grasping Fcps. Curved, Insert Only, 5mm, Coarse Ser., Double Act., 33cm 1
- 775-4003 Handle For Laparoscopic Instruments W/O Ratchet, Insulated, Plastic Black, Ergo 1
- 775-4010 Outer Shaft For Grasper And Scissors Insulated 5 mm, 33cm Length 1
- 775-4023 Metzenbaum Scissors Curved, Insert Only, 5 mm, 33 Cm, Double Action 1
- 775-4004 Handle For Laparoscopic Instruments With Ratchet, Insulated, Plastic Black, Ergo 1
- 775-4010 Outer Shaft For Grasper And Scissors Insulated 5 mm, 33cm Length 1
- 775-4243 Claw Grasping Forceps, Single Action 5 mm, Insert Only, 33cm 1
- 706-156 Hook Electrode 90°, Monopolar 5 mm D. 330mm 1
- 706-154 Hook Electrode, Unipolar 5 mm D. 330mm 1
- 706-156 Hook Electrode 90°, Monopolar 5 mm D. 330mm 1



1



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March 24, 2018

The Medical Superintendent,
People Medical College Hospital,
Benazirabad, Nawabshah.

COVERING LETTER OF FINANCIAL OFFER FOR PEOPLE MEDICAL COLLEGE HOSPITAL, BENAZIRABAD, NAWABSHAH

Ref: - TENDER FOR THE PROCUREMENT OF MACHNARY & EQUIPMENT (SUPPLY &
INSTALLATION)

FOR PEOPLE MEDICAL COLLEGE HOSPITAL, NAWABSHAH
DISTRICT, SHAHEED BENAZIRABAD IN FOR BASIS
FOR THE FINANCIAL YEAR 2015-2016,
DUE DATED: - March 26, 2018 AT12:00PM

Dear Sir,

Further to above reference, we are pleased to offer our best possible prices for the said tender. Hence we submit the following as required.

1: Earnest money (Original)

- a. Bank: UBL
- b. Branch: Chandni chowk, Karachi
- c. Cheque No #: 14386161
- d. Amount: Rs. 1,712,550.00

2. Financial Bid No. UBM-039/08/18

Thanking you,

Yours faithfully,


for Universal Enterprises

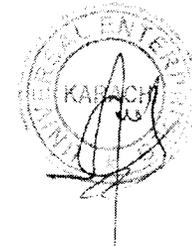




UNIVERSAL ENTERPRISES

10-B, 10th Floor, Ganga Road, Lahore Cantt, Lahore, Pakistan
Ph: 35833333, 35833333, 35833333

- VTBI Setting Range:** 0.10 to 300.00 mL/h (0.10mL step)
100.00 to 9999.00mL (1.00mL Step) When the dose rate is set in a mass units, setting in mass units is possible. (VTBI Setting range: 0.01 ng to 9999.99 kg).
- VTBI Time Setting Range:** 1 min to 99 hours 59 mins (1 min step)
- Weight Setting Range:** 0.1 to 300 kg (0.1kg step)
(LM-800 Only)
- Hands on Bolus Rate:** 100.00 to 1200.00mL/h (when setting is 20 drops/ml)
100.00 to 300.00mL/h (when setting is 60 drops/ml)
(100.00mL/h step)
- Hands free Bolus dose Rate:** 0.01 to 10.00 (0.01 step)
10.00 to 100.00 (0.10 step) 100.00 to 999.00 (1.00 step) In unit of such as ml and mg/kg etc)
- Hands free Bolus dose time range:** 1 sec to 60 mins 00 sec (1 sec step)
- Flow rate Accuracy:** Within \pm %3 (The hourly precision after one hour has passed since the start of solution delivery, in the case where water or a physiological saline solution is used at a constant flow rate of 1.00 ml/h or more (ambient temperature: 22 \pm 23C) according to IEC 60601-2-24
Within \pm %5 (The hourly precision after one hour has passed since the start of solution delivery, in the case where water or a physiological saline solution is used with a specified infusion set or blood transfusion set at a constant flow rate of 1.00 ml/h or more (ambient temperature: 22 \pm 23C) according to IEC 242-2-60601
The flow rate accuracy of the PVC-Free infusion sets is \pm %10 at a flow rate of 500 ml/h or more.



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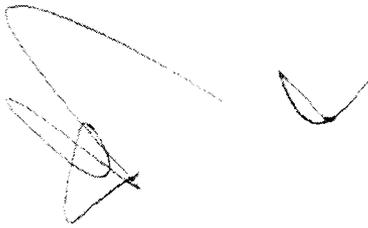
Occlusion Detection Pressure: Upper occlusion detection pressure 100- to 30- kPa.
Lower Occlusion detection pressure 30 to 120 kPa.
The Lower occlusion detection pressure can be set in 10 levels.

Purge Flow Rate: Approx. 500 mL/h

Wireless LAN (LM800 only)

Power Consumption: 28VA

Manufactured By: Terumo Corporation
Country of origin: Japan



2

Item No. 07: Syringe Pump	20	\$1,570.00	\$31,400.00	Rs 196,272	Rs 3,925,440
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SS-800

TERUFUSION Syringe Pump Type SS

Specification

Syringe size 5mL, 10mL, 20mL, 30mL, 50/60mL
Syringe brand TERUMO or other specified brands
Dose mode mL/h mode, mg/kg/h mode (*), µg/kg/min mode (*), Library mode (*)
Drug Library 3,000 Drugs /30 Profiles
flow rate setting range Setting range
 0.01 to 150.00 mL/h

Note that the upper limit of the flow rate can be changed in the following ranges:
 0.01 to 150.00 mL/h (when using syringe of 5 mL)
 0.01 to 300.00 mL/h (when using syringe of 10, 20, 30 mL)
 0.01 to 1200.00 mL/h (when using syringe of 50/60 mL)

- Step
 - 0.01 mL/h step (0.01 to 10.00 mL/h)*
 - 0.10 mL/h step (10.00 to 100.00 mL/h)*
 - 1.00 mL/h step (100.00 to 1200.00 mL/h)*
- *: Step can be used when flow rate is set by the Dial.
 (It will be 0.00 mL/h when the power is turned on.)

Flow rate accuracy

Machine accuracy Within ±1% (flow rate ≥ 1.00 mL/h)
 Accuracy including syringe
 Within ±3% (The hourly precision after one hour has passed since the start of infusion at a constant flow rate of 1.00 mL/h or more according to IEC 60601-2-24 standard.)

Power supply

AC100 to 240V, 50 to 60Hz

Internal battery (lithium ion battery)

- Continuous use period: Approx. 12 hours (applies when solution is delivered continuously at 5 mL/h in ambient temperature of 25°C with new fully

- Charging time: ≥8 hours (when charged with AC power supply with the power turned off)

classification

Class I equipment and internally powered equipment, type CF applied part, Continuous Operation, IP24

Manufactured By: **Terumo Corporation**

Country of origin: **Japan**

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3

**Surgiline
2000R**

Item No. 09: OT Table for Gyne & Urology

8

\$14,700.00

\$117,600

Rs 1,796,515

Rs 14,372,122

Operating Table Electrohydraulic

Technical details:

Height adjustment:	740 - 1070 mm
Height adjustment (w/mattress):	770 - 1100 mm
Tabletop:	500 x 1980 mm
Table base:	370 x 830 mm
Head section:	500 x 305 mm
Back section:	500 x 530 mm
Seat section:	500 x 560 mm
Right leg section:	235 x 62mm
Left leg section:	235 x 620mm
Voltage:	230V, 50Hz
Battery recharge voltage:	DC 27.2V
Remote control voltage:	DC 5V
Motor voltage:	DC 24V, 10A
Battery:	Maintenance free, lead acid
Battery type:	A500
Battery capacity:	7Ah, DC 12V

Table positions:

Head section:	Upward 18°, Downward 90° Extendable 5 cm, Removable
Lateral:	Right 30°, Left 30°
Trendelenburg:	30°
Reverse Trendelenburg:	30°



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4	<p>Quasar eLife Qe6H30</p> <p>Item No. 10: O.T Light Double Dome Surgical Light With Battery + Quasar eLife HD-LED Ceiling Mounted Double Dome Surgical Light 2 X 160,000 LUX Suitable for HD Camera</p>	8	£	24,536	£196,291	Rs 4,133,879	Rs 33,071,029
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Near Perfect Colour Rendition with Red Balance Control
 For the best visualisation of tissue during surgery

Fat Beam Technology
 The largest light beams of any current product with high intensity across the full beam width.

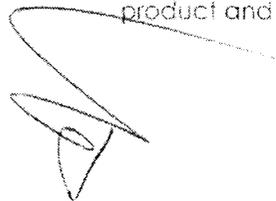
Unique Comfort Halo
 A soft halo of light to reduce eye strain from high contrasts of light intensity.

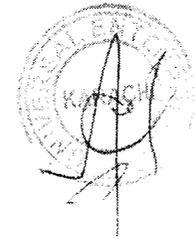
Designed to Minimise Infections
 Easy to clean, sealed light head, remote controls and anti-microbial coatings.

Premium Quality Movement
 Low weight light head and perfectly balanced arm system.

Colour Shadows
 Quasar® eLife uses carefully placed reflectors to eliminate colour separation or 'colour shadows' normally associated with combining different coloured LEDs.

Perfect Light (HD-LED)
 Quasar® eLife is the only surgical light with near perfect colour rendition across the full visible spectrum. It features the highest R9 colour rendition of any product and ensures strong and vibrant visualisation of tissues.





UCV Integration

Quasar® eLite is designed to work with all UCV ceilings, with minimum air turbulence and thermal lift. The lights have been independently tested to DIN 1946 Part 4 (12-2008) and comfortably exceed the requirements.

Red Balance Control

A unique feature to Quasar® eLite, Red Balance Control, provides the user with the option to adjust the balance of red light to match their own optical colour response. This allows the user to fine-tune the light ensuring minimal eye strain by making the light do the work instead of the eye.

Fat Beam Technology

Quasar® eLite provides the very best light beam quality of any other product. Higher light flux ensures the biggest beams of light in the business, bigger illuminated fields and more light across the full width of the illuminated area.

- High light intensity across the full illuminated area for uniform vision
- Large wound sites can be easily examined
- Beam size is adjustable to user preference
- 420mm maximum beam diameter

Comfort Halo

Quasar® eLite has been specifically designed to reduce eye strain for the user. The unique Comfort Halo forms an intermediate corona to create a more gradual change in contrast between the area illuminated by the operating light and general theatre lighting.

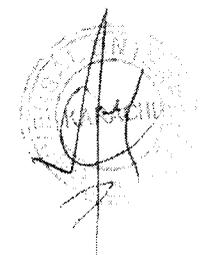


Light Quality Characteristics	Qe60	Qe60
Light Intensity (Lux)	160000	160000
Number of Light Source	90	90
Light Field Diameter (d10 distance of 1m)	200-420 mm	200-420 mm
Light field diameter (d50 distance of 1m)	120-250mm	120-250mm
Beam Uniformity (d50/d10 Ratio)	0.6	0.6
Comfort Halo (at 1m)	2000 mm	2000 mm
Colour rendition index	95	95
Colour rendition (Red)	95	95
Colour Temperature	3100°K to 5000° K (5 Steps)	
Electrical & Mechanical Characteristics		
Nominal Power Consumption	2.07A / 48 W	2.07A / 48 W
Radiant Energy	<3.31mW/m ² Lux	
Degree of Protection: light head	IP54	
LED Life	>60,000 Hours	

- 12761 4.5" adjustable stem tube 1
- 12981 m16 ceiling anchor ring kit 1
- bepu0300124 300w 24vdc emergency power supply modukle (1 per lamphead) 2
- eb113847-1218 battery agm 12v 18ah for above (2 battery per bepup unit) (1-3 hours) 4
- hm33562c spare sterile handle cover 2

HD Camera System

- 14242 Brandon Qelife Electrical Connectivity Up-Grade For HD CAM 1
- 14243 HD 600 Quasar Elite Integrated HD Camera Engine 1
- 13974-2 Wireless Remote Control For Light Functions Wall Mount Double 1



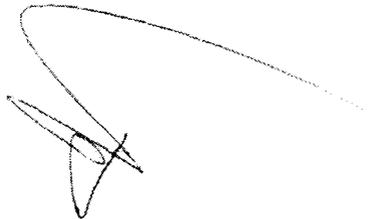
3rd Arm for Monitor

EVSHD600 HD 600 Quasar Elite HD Wireless Camera Function Control Unit	1
EVOCBBDVS Ceiling Mounted Media Arm For Single Monitor With Varioview Monitor Mount (Single)	1
12981 M16 Ceiling Anchor Ring Kit	1

26 Inch Medical Grade Monitor

EVM26MF5F1 Trueendo 26" Medical Grade Led Multi Modality Monitor	1
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Manufacturer: **Brandon Medical Company Ltd.**
Country of Origin: **UK**



10

Novela

Item No. 18: Suction Machine Heavy Duty

40

€ 858

€ 34,333

Rs 127,926

Rs 5,117,040

Heavy Duty Surgical Suction Unit

The Vacuum Jar should be sterilized at 134 °C between 3,5-5 minutes

Technical Properties

General :

Model	Novela
Product Description	Surgical Suction Unit
Collecting Jars	2 Collecting Jars
Jar Selection	Jar Selecting Lever
Air Flow Rate	0-60 LPM
Max. Noise Level	Max. 55 dB
Pump Features	Oil Free ,Maintenance Free Vacuum Pump
Pump Power	0,35 kW
Wheel Features	4 Castors,Two of Them with Brake(Ø72,5x65mm)
Gross Weight	23 kg
Packaging Dimensions	490x520x860mm
Product Documentation	CE
Classification	Class Ila (MDD 93/42 EEC)
Standards	EN ISO 10079-1, EN 60601-1

Electrical:

Inlet Voltage	220-240 VAC, 50-60 Hz
Device Power	400 Watt
Electrical Protection Class	Class I

Material:

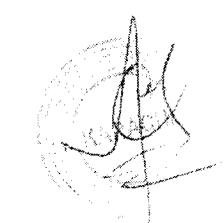
Body Material	Aluminium Main Body
Upperside / Underside material	ABS Plastic

Collecting Jars:

Plastic Jar	5 Lt
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UNIVERSAL ENTERPRISES

29 Block 13 Outer Belt Co-operative Housing Society, Atkale Road, Karachi
Tel: 321 7647037, 3453965. Website: www.universalenterprises.com

Standarts Accessories

Vacuum Jar	2
catheter cup and trap	1
Silicone hose 2 meters	1
Silicone Hose 50 cm	1
Adsorbent jar	1
Hydrophobic filter	10

Manufactured by: **Uzumcu**
Country of Origin: **Turkey**

11	<div style="border: 1px solid black; padding: 2px;">Item No. 24; Icu Beds Electric</div>	10	\$3,430.00	\$34,300	Rs 477,456	Rs 4,774,560
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**BA-6000-
N17**

Features

- All Parts are made by tooling to ensure uniform quality
- Mattress Base tops made of ABS high Impact Plastic
- Easy to Clean
- Bed frame are made of steel with epoxy powder coated and baked finish resistant to chipping & scratching
- Easy detachable & removable and can clead easily
- Head & foot boards (Material: PE blow in one Piece)
- Mobile on 4 x 150mm diameter wheels with central locking system
- Hi-Lo backrest, legrest and trendelenburg & reverse trendelenburg by electric motorize by patient control and nurse control

- Foldable PE blow guard rails with gas spring assisted adjustable 2 pcs at each side of the bed with smooth and easy to clean surface and drainage hook
- able to get chair position
- Provision of IV pole attachment at 4 corners of bed & telescopic
- SS IV drip pole with 4 hooks
- Provision for Monkey pole attachment
- CW angle indicator for backrest and tilting
- Complete with PU foam Mattress with chemsafe cover (fire Retardant, water proof, anti-bacteria and anti-static)
- Safe working load 180 KG UDL
- Auto contour to achieve the most ergonomic and comfortable position
- C/W X-Ray radio translucent base from head to torso
- Instant CPR release provided
- Electric System
- DC-Actuator System
- Voltage: 220-240V; 50-60 Hz

Additional Accessories

Overbed Table

Height Adjustment through Gas Spring

Castors: 40mm dia x 4 pcs



Bedside Cabinet

Pull out table included 40mm dia castors x 4 pcs
Dimensions: 445mm x 460mm x 780mm (W x D x H)
Body Powder coated steel
Table & Cabinet top & drawer ABS

IV pole

Manufactured by: LKL Advance Metal tech Sdn Bhd
Country of Origin: Malaysia

Total Amount of Bid In Pak Rupees	Rs 82,578,252
Rupees Eighty Two Million, Five Hundred Seventy Eight thousand, Two Hundred Fifty Two Only.	

General Terms and Conditions:

Validity: As Per Tender
Price: In FOR (Pak Rupees) and In C&F
Delivery: As Per Tender
Warranty: As Per Tender

Thanking You,

for Universal Enterprises

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707-520 Monopolar Cable 3 M Male 4mm / Female 4mm:	1
704-602 Suction Tube Luer Lock D.5mm	1
704-121 Two-Way Stopcock For Contrast Medium	1

Manufactured by: **Tekno GmbH**
Country of Origin: **Germany**

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7	Item No. 14: Peds Cystoscope With Bridge	1	€ 8,027	€ 8,027	Rs 1,196,354	Rs 1,196,354
	700-271 Cystoscope 1,9mm D., 0°, 187,5mm HD					
	700-272 Cystoscope 1,9mm D., 30°, 187,5mm HD					
	793-018 Paediatric Cystoscope-Urethroscope Sheat 9,5ch W. 2fixed Stopcock					
	793-019 Obturator Cystoscope-Urethroscope Sheat 9,5ch Paediatric					
	793-012 Paediatric Cystoscope-Urethroscope Sheat 11 Cgarr And 2 Fixed Stopcock					
	793-016 Obturator For Paediatric Cystoscope- Urethroscope Sheath 11 Charr.					
	793-186 Grasping Forcecps, Serrated, Allig. Jaw 25cm. 3 Charr, Flexible, Double Action					
	793-182 Biopsy Forcecps, Oval, 25cm, 3 Charr, Flexible, Double Action Flexible, Double Action					
	790-482 Coagulation Electrode Flexible, Wl 450mm Ball Shaped, 3 Charr, Unipolar					
	790-487 Needle Electrode Flexible WL 450mm 3 Charr, Unipolar					
	790-312 Monopolar High Frequency Cable, L.3M D.8mm					

Manufactured by: **Tekno GmbH**
 Country of Origin: **Germany**

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5

Qe60 MEL

Item No. 11: Portable OT Light

5 £ 6,761 £33,805 Rs 1,139,082 Rs 5,695,410

QUASAR Elite HD-LED MOBILE SURGICAL LIGHT 160,000 LUX WITH EMERGENCY POWER UNIT 1-3hrs

Quasar® eLite Mobile High Performance Operating Light

Near Perfect Colour Rendition with Red Balance Control

For the best visualisation of tissue during surgery.

Fat Beam Technology

The largest light beams of any current product with high intensity across the full beam width.

Unique Comfort Halo

A soft halo of light to reduce eye strain from high contrasts of light intensity.

Designed to Minimise Infections

Easy to clean, sealed light head, remote controls and anti-microbial coatings.

Premium Quality Movement

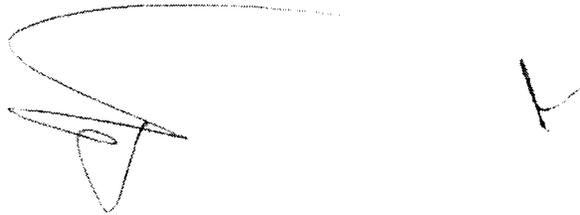
Low weight light head and perfectly balanced arm system.

Light Quality Characteristics	
Max. Light Intensity	160,000 Lux
Beam Size Characteristics (Measured at 1m)	
Light field diameter (d10)	200-420 mm
Light field diameter (d50)	120-250 mm
Beam Uniformity (d50/d10 ratio)	0.6

Electrical & Mechanical Characteristics	
Nominal power consumption	48 W
Radiant energy mWm^{-2} , Lux	<3.31
IP rating of light engine	54
LED Life	> 60,000 hours

HM33562C Spare Sterile Handle Cover

Manufactured by: **Brandon Medical**
Country of Origin: **United Kingdom**



6	Item No. 12: Laparoscope Set Complete	€ 37,362	€ 37,362	Rs 5,568,475	Rs 5,568,475
	700-020 Laparoscope 10mm D., 0°, 310mm HD				
	754-2000 HD Full-HD Endoscopy Camera, 1chip, Tekno Cam 1000HD, Pal/Ntsc, Without Objective				
	754-3908 Objective Vario-Zoom F 15 -35mm, C-Mount, Soakable				
	753-0155 Fsn Flatscreen Monitor 26" HD, Med. Approved, Without Monitor Stand				
	754-LA150 Led-Light Source, Tekno Light Led 1500 Intensity Control Automatic				
	754-1532 H Insufflator Tekno Flow45s, Gas Flow 45l/Min, With Big Pressure Display With Heater				
	39523-23 Led High Density Fiberoptic Cable 4.8mm, 2300mm, Without Adapters				
	39528-00 Adapter For Fibre Glas Cable Wolf / Henke Sass / Dyonics / Medicon / Comeg				
	39525-10 Adapter For Fibre Glas Cable, Tekno/Storz Winter + Ibe / Aesculap, Endoscope Side				
	758-0141 Equipment Trolley Basic, 530x610x1320mm 4 Deposit Consoles 424x430mm Without Cable				
	704-375 Automatic Trocar Sheath 11mm With Stopcock, Manual Opening + Trocar Pyramidal				
	704-370 Automatic Trocar Sheath 5.5mm With Stopcock, Manual Opening + Trocar Pyramidal				
	704-100 Veress Insufflation Needle 2.0x120mm Chrome-Plated				
	775-4003 Handle For Laparoscopic Instruments W/O Ratchet, Insulated, Plastic Black, Ergo				
	775-4004 Handle For Laparoscopic Instruments With Ratchet, Insulated, Plastic Black, Ergo				
	775-4010 Outer Shaft For Grasper And Scissors Insulated 5 mm, 33cm Length				

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- 775-4100 Grasping Forc. De Bokey, 30mm Jaw Length 5mm, Double Act, Insert Only, 33cm, Atraum.
- 775-4004 Handle For Laparoscopic Instruments With Ratchet, Insulated, Plastic Black, Ergo
- 775-4010 Outer Shaft For Grasper And Scissors Insulated 5 mm, 33cm Length
- 775-4036 Grasping Forceps, 5 mm, Double Action, Insert Only, 33 Cm
- 775-4004 Handle For Laparoscopic Instruments With Ratchet, Insulated, Plastic Black, Ergo
- 775-4010 Outer Shaft For Grasper And Scissors Insulated 5 mm, 33cm Length
- 775-4065 Grasping Forceps, 2x2 Insert Only 5 M Double Action, 33 Cm
- 775-4003 Handle For Laparoscopic Instruments W/O Ratchet, Insulated, Plastic Black, Ergo
- 775-4010 Outer Shaft For Grasper And Scissors Insulated 5 mm, 33cm Length
- 775-4069 Maryland Grasping Fcps, Curved, Insert Only, 5mm, Coarse Ser., Double Act., 33cm
- 775-4003 Handle For Laparoscopic Instruments W/O Ratchet, Insulated, Plastic Black, Ergo
- 775-4003 Handle For Laparoscopic Instruments W/O Ratchet, Insulated, Plastic Black, Ergo
- 775-4010 Outer Shaft For Grasper And Scissors Insulated 5 mm, 33cm Length
- 775-4023 Metzenbaum Scissors Curved, Insert Only, 5 mm, 33 Cm, Double Action
- 775-4004 Handle For Laparoscopic Instruments With Ratchet, Insulated, Plastic Black, Ergo
- 775-4010 Outer Shaft For Grasper And Scissors Insulated 5 mm, 33cm Length
- 706-156 Hook Electrode 90°, Monopolar 5 mm D, 330mm
- 706-154 Hook Electrode, Unipolar 5 mm D, 330mm
- 706-156 Hook Electrode 90°, Monopolar 5 mm D, 330mm
- 775-4243 Claw Grasping Forceps, Single Action 5 mm, Insert Only, 33cm



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 60-D, F.C.C. Zahoor Elahi Road,
 Gulberg IV, Lahore.
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 35764397-35877471-2
 Fax: 92-42-35877319-35877473
 E-mail: sakabin@brain.net.pk
 sohails@brain.net.pk

Prepared For
 Peoples Medical Collage Hospital,
 Nawabshah -- Shaheed Benazirabad

Quote #	V-18130304
Delivery	10-12 weeks
Terms	C.I.F
Validity	As per Tender
Date	13-Mar-18

FINANCIAL PROPOSAL

Sr.#	Product ID	Product Description	Qty	UNIT PRICE
				EURO

ITEM# 12 Laproscope Complete Set 1- Set 71,225.00

Richard Wolf Full HD Laproscopic System

8934.431 HD PANOVIEW-TELESCOPE 0° Diameter 10 mm, distortion-free, 1

55251081 ENDOCAM LOGIC HD CONTROLLER SET 5525108 ENDOCAM LOGIC HD CONTROLLER / 5525401 MANUAL REMOTE CONTROL / 56540028 USB FLASH DRIVE 8GB / 5590989 CAN-BUS TERMINATOR / 103843 HDMI / DVI-D CABLE INTERLOCK 3.0 M / 244003 POWER CABLE / 64360816 5525 DVD LICENSE OPEN-SOURCE-SOFTWARE / 1

85525922 3-CHIP HD CAMERA HEAD ENDOCAM LOGIC HD AUTOCLAVE C-Mount, 3x 1/3 inch image sensor, Digital image processing and digital signal transfer, 2 programmable camera headbuttons, angled camera cable exit, serviceable camera cable. Cable length: 3m, weight (w/o cable): 170g Dim (LxWxH): 105mm x 43mm x 53mm 1

85261504 ZOOM LENS F 13-29MM

Medical Grade HD LCD Monitor 27"

LMD-2765NB A-Si Active Matrix LCD, LED backlight illumination, OptiContrast Panel (IPS, incl. power cable, low-voltage cable, external power supply (SONY AC-120MD), CD ROM, instructions 1

- o Special customized color setting for R. Wolf ENDOCAM. SONY standard settings can be loaded.
- o High brightness OptiContrast Panel™ with 1000 cd/m² and contrast 1000:1.
- o Slim housing with narrow bezel for a wider display area.
- o Fully equipped with 3G-SDI, DVI and analog inputs.



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 sakabir@brain.net.pk

Sr.#	Product ID	Product Description	Qty
------	------------	---------------------	-----

TV standard (SD): PAL, NTSC, automatic switch over, Resolution: 1920 x 1080 Pixel / pixels (Full HD), Aspect ratio: 16 : 9, Aspect Ratio: 16 : 9, Display color: 16.700.000, Contrast ratio: 1.000 : 1 Brightness: 1000 cd/m² (typical), Response time: 7 ms 15 ms (grey-to-grey), VESA mounting: VESA 100 x 100, Angle of view: 89° / down 89° / right

Signal Input (HD)

3G-SDI / HD-SDI / SDI (BNC 2x in/1x out), DVI-D (2x in/1x out), 1xRGB via HD15 / D-SUB, 15pin = VGA Input

Video input / output (SD)

Y/C (S-VHS 1x in), Composite (FBAS, BNC 1x in)

MONITOR STAND (5370,0190)

SONY SU-560, for LCD-Monitors, unit mounting by VESA (100x100mm)

1

51600011 **ENDOLIGHT LED 1.1 SET**

High Power LED providing highest energy efficiency and light output, guaranteed homogenous illumination due to innovative LED-fibre light cable coupling. LED life time>30000h, color temperature approx. 6500K, continuous electronic light intensity control, super silent operation, CF isolation rating, power supply 100-240V,50/60Hz, dimensions (WxHxD): 300 x 120 x 421mm

1

22350211 **INSUFFLATOR HIGHFLOW 45 HEAT SET 2235021 INSUFFLATOR HIGHFLOW 45 HEAT / 244003 POWER CABLE / 8170202 INSUFFLATION TUBE / 4171111 HYGIENE FILTERS STERILE (PACK=10 PCS.) /**

1

806550231 **FUSION FIBER LIGHT CABLE 5,0MM 2,3M - HEAT-RESISTANT**

80655023 FUSION FIBRE LIGHT CABLE 5,0MM 2,3M / 809509 ADAPTER ENDOSCOPE END / 809507 ADAPTER PROJECTOR END / 155831313 CT, FOLDED BOX FOR LL-CABLE 350X245X33 /

1

Endo Trolley Imported

32116.004 RIWOMOBIL WITH BASIC-ELECTRICS 220-240V "Universal video trolley with monitor bridge to hold a VESA monitor mount. Including a monitor mount VESA 100, a back panel and integrated cable duct. 3 shelves (370mmwide), 2 individually adjustable. 4 double caster wheels, 2 featuring a double lock (direction lock/free wheel/total lock). 2 wheels electrical conductive. Interfaces for support arms and installation of extensive accessories. Colour: White, RAL 9016, aluminium side profile. Dimensions (WxHxD): 720 x 1520 x 700mm. Trolley includes a BASIC-ELECTRICS 220-240V / 2000VA, consisting of: Electronic housing (basic), cut-off module (electronic) and device socket block with 12 sockets and integrated main switchmodule, 6 device power cable."

1



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sohails@brain.net.pk

Sr.#	Product ID	Product Description	Qty
8923.014		RIWO-ART-TROCAR SLEEVE with magnetic-ball-valve, metal sleeve straight distal tip, 10mm capacity, 100 mm working length	2
8923.123		TROCAR PYRAMIDAL TIP for RIWO-ART trocar sleeves diam. 10 mm, working length 100 mm	2
8921.014		RIWO-ART-TROCAR SLEEVE with magnetic-ball-valve, with insufflation tap, metal sleeve standard, straight distal tip, capacity 5,5 mm, working length 100 mm	2
8921.123		TROCAR with pyramidal tip, capacity 5,5 mm, working length 100 mm	2
8302.12		VERES CANNULA 12 cm working length	1
8385.5		INSTRUMENT SLEEVE AND extractor, 10/5,5 mm, working length 170 mm	1
83932925		Artrumatic Alligator Forceps, Size 5mm, Length 33cm	1
83934817		Universal Grasping Forceps, Size 5mm, Length 33cm	1
83934887		Grasping Forceps, 2*3 Claw, Size 5mm, Length 33cm	1
83932817		Marryland Disecting Forcep 5mm Length 33cm	1
83930417		Metzenbaum Scissors Curved 5mm Length 33 cm	1
83932857		Grasping & Disecting Forceps Dolphin 5mm 33 cm	1
8383.423		Hook Electrode L Shaped 4mm Length 34cm	1
8106.034		High Frequency Cable	1
8383.732		Suction Irrigation Tube Size 5mm Length 29cm	1
8389.911		Clip Applicator 10 mm	1
8385.50		Introducing Sleeve for Applicator	1

Manufactured by RICHARD WOLF - GERMANY

(Amount: Seventy One Thousand Two Hundred Twenty Five Euro Only)

WARRANTY : AS PER TENDER AGAINST ANY MANUFACTURING DEFECTS

For
Verizon,

M. TEHSEEN JAWAID
Zonal Manager





Head Office
60-D, F.C.C. Zahoor Elahi Road,
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Prepared For
Peoples Medical Collage Hospital,
Nawabshah -- Shaheed Benazirabad

Quote #	V-18130302
Delivery	10-12 weeks
Terms	C.I.F
Validity	As per Tender
Date	13-Mar-18

FINANCIAL PROPOSAL

Product ID	Product Description	Qty	Unit Price
ITEM # 14	PEADS CYSTOSCOPE WITH BRIDGE	1 Set	6,738.00
	Richard Wolf Paediatric Cystoscope		
1 8686.414	PANOVIEW-TELESCOPE diameter 1,9 mm, distortion-free angle of view 0°, WL 185 mm, with Universal-eyepiece, autoclavable	1	
2 8672.422	PANOVIEW-TELESCOPE Diameter 2,7 mm angle of view 30°, working length 185 mm with Universal-eyepiece, autoclavable	1	
3 8686.0341	SHEATH 9.5 Fr		
4 8686.0241	SHEATH 12 Fr	1	
5 828.244	Grasping Forcep flexible Flexible grasping forceps with overload protection for cysto-urethroscopes 8672 and 8680, 4 Fr., WL 230 mm	1	
6 829.03	BIOPSY FORCEPS 3 FR. flexible	1	
7 823.04	BUTTON ELECTRODE 4 FR., HF MONOP.		
8 824.03	NEEDLE ELECTRODE, 2,4 FR., HF MONOP. working length 255 mm	1	

Manufactured by RICHARD WOLF - GERMANY

WARRANTY : AS PER TENDER AGAINST ANY MANUFACTURING DEFECTS

(Rupees: Six Thousand Seven Hundred Thirty Eight Euros Only)

For
Verizon,


M. TEHSEEN JAWAID
Zonal Manager





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Prepared For
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Quote #	V-18130303
Delivery	10-12 weeks
Terms	C.I.F
Validity	As per Tender
Date	13-Mar-18

FINANCIAL PROPOSAL

Sr.#	Product ID	Product Description	Qty	UNIT PRICE EURO
	ITEM# 15	PEAD RESECTOSCOPE COMPLETE SET	01 Set	4,625.00
		RICHARD WOLF PAEDIATRIC RESECTOSCOPE		
1	8672.421	PANOVIEW-TELESCOPE diameter 2,7 mm, angle of view 0°, working length 185 mm, with Universal-eyepiece, autoclavable	1	
2	8677.0141	Sheath "E-line" 11,5 Fr. with obturator for resectoscope with telescope 2,7 mm, for small children	1	
3	8677.224	WORKING ELEMENT "E-LINE" passive cutting action for resectoscope with telescope 2.7 mm for small children	1	
4	8677.254	ATTACHMENT without instrument port for resectoscope with telescope 2.7 mm for small children	1	
5	8416.03	CUTTING ELECTRODE	1	
6	815.034	High frequency cord.	1	
7	8558.03	Ellik Evacuator	1	
8	8558.14	CONNECTING PIECE for attaching the evacuator, with cone	1	

Manufactured by RICHARD WOLF - GERMANY

WARRANTY : AS PER TENDER AGAINST ANY MANUFACTURING DEFECTS

(Amount: Four Thousand Six Hundred Twenty Five Euro Only)

For
Verizon,

M. TEHSEEN JAWAID
Zonal Manager





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Prepared For
Peoples Medical Collage Hospital,
Nawabshah -- Shaheed Benazirabad

Quote #	V-18130301
Delivery	10-12 weeks
Terms	C.I.F
Validity	As per Tender
Date	13-Mar-18

FINANCIAL PROPOSAL

Sr.#	Product ID	Product Description	Qty	UNIT PRICE EURO
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ITEM NO. 16 **ADULT RESECTOSCOPE** 1 Set 5,188.00

R. WOLF E-LINE ADULT RESECTOSCOPE SET WITH TELESCOPE

- | | | | |
|----|-----------|---|---|
| 1 | 8654.204 | WORKING ELEMENT "E-LINE" active cutting action, handle open, for telescopes 4 mm, 12° and 25° | 1 |
| 2a | 8675426 | CONTINUOUS IRRIGATION OUTER SHEATH 26 Fr | |
| 2b | 8675324 | INNER-CONTINUOUS-IRRIGATION-SHEATH 24 Fr | |
| 3 | 8673024 | OBTURATOR 24 FR. | 1 |
| 4 | 8558.03 | ELLIK EVACUATOR with CONNECTING PIECE for attaching the evacuator, with cone (Cat.# 8558.14) | 1 |
| 5 | 8678.2435 | CUTTING LOOP / ELECTRODE loop 0,4 mm-wire | 1 |
| 5 | 815.034 | HF MONOPOLAR CONNECTING 3 M Unit connecting ESCHMANN and other devices with 4 mm connectors | 1 |

TELESCOPE 30deg 4mm

- | | | | |
|---|----------|---|---|
| 7 | 8654.422 | PANOVIEW-TELESCOPE 30° diameter 4 mm, distortion-free | 1 |
|---|----------|---|---|

Manufactured by RICHARD WOLF - GERMANY

(Rupees: Five Thousand One Hundred Eighty Eight Euro Only.)

WARRANTY : AS PER TENDER AGAINST ANY MANUFACTURING DEFECTS

For Verizon,

M. TEHSEEN JAWAID
Zonal Manager





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Prepared For
Peoples Medical Collage Hospital,
Nawabshah -- Shaheed Benazirabad

Quote #	V-18130301
Delivery	10-12 weeks
Terms	C.I.F
Validity	As per Tender
Date	13-Mar-18

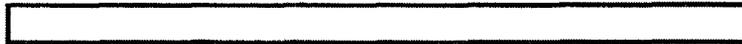
FINANCIAL PROPOSAL

Sr.#	Product ID	Product Description	Qty	UNIT PRICE
	ITEM # 25	<u>THERAPEUTIC HYSTEROSCOPE</u>	01-Set	EURO 20,750.00
1-	8753.411	TELESCOPE 12° W 3.6MM H 2MM WL 227MM rigid, with lateral ocular lens, working channel 4.3/ 4.8Fr, TL 358mm, semi-rigid image carrier	1	
2-	8753.003	OUTER SHEATH FOR HYSTEROSCOPE 15FR color code blue, WL 214mm, oval, working channel 5Fr, compatible with hysteroscopy telescope 8753411, reusable	1	
3-	8753.004	INNER SHEATH FOR HYSTEROSCOPE color code blue, working channel 5Fr, compatible with outer sheath 8753003, reusable	1	
4-	8642.6502	GRASPING FORCEPS BNDL 86426508 GRASP. FORCEPS INSERT 5FR WL 340MM / 8083001 HANDLE WITH OVERLOAD PROTECTION / 03-111- 0480 WI HYSAFE FORCEPS /	1	
		<u>CAMERA SYSTEM</u>		
1-	5521101	FLEX HD CAMERA CONTROLLER LED, buttons, Output: 1x HDMI, Resolution:1920x1080, U: 100- 240VAC, 50/60Hz, Dim (wxhxd) 150x58x230mm	1	
2-	5521902	FLEX HD CAMERA HEAD, CABLE 2,5M C-Mount, 1 chip, 2 camera-head buttons, Sensor size: 1/3"		
3-	5261504	ZOOM LENS F 13-29MM with C-mount connector and Snap-on lock, immersible, f = 13 - 29mm, optimized for 1/3" image sensors		



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- | | | | |
|----|-----------------|--|---|
| 4- | 103824 | MINI CLEANBOARD USB
Washable USB keyboard incl. Mousepad. Integrated magnets on bottom side for better hold. IP 65 sealed, resistant against current disinfectants. Dimensions (wxhxd): 300 x 22,4 x 180 mm. American / English version (QWERTY). | 1 |
| 5- | MDRAP21ELXACRW3 | LCD MONITOR 21.5" | 1 |
| 6- | 51660011 | LIGHT SOURCE FLEX LED BNDL
5166001 LIGHT SOURCE FLEX LED 42W / 244003 POWER CABLE / | |
| 7- | 5370402 | CONSOLE VESA 100 FOR 2 DEVICES
for accommodate two devices of the "Flex" series installation between VESA 100 mount and VESA 100 monitor with holder for camera head and light cable Dim wxhxd 114x308x220mm | 1 |

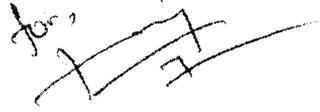


Manufactured by RICHARD WOLF - GERMANY

(Rupees: Twenty Thousand Seven Hundred Fifty Euro Only.)

WARRANTY : AS PER TENDER AGAINST ANY MANUFACTURING DEFECTS

For Verizon,


M. TEHSEEN JAWAID
Zonal Manager





Head Office
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Prepared For
Peoples Medical Collage Hospital,
Nawabshah -- Shaheed Benazirabad

Quote #	V-18130304
Delivery	10-12 weeks
Terms	F.O.R.
Validity	As per Tender
Date	13-Mar-18

FINANCIAL PROPOSAL

Sr.#	Product ID	Product Description	Qty	UNIT PRICE
				PKR

ITEM# 12 **Laproscope Complete Set** **1- Set** **1,06,25,000**

Richard Wolf Full HD Laproscopic System

8934.431 HD PANOVIEW-TELESCOPE 0° Diameter 10 mm, distortion-free, 1

55251081 ENDOCAM LOGIC HD CONTROLLER SET 5525108 ENDOCAM LOGIC HD CONTROLLER / 5525401 MANUAL REMOTE CONTROL / 56540028 USB FLASH DRIVE 8GB / 5590989 CAN-BUS TERMINATOR / 103843 HDMI / DVI-D CABLE INTERLOCK 3,0 M / 244003 POWER CABLE / 64360816 5525 DVD LICENSE OPEN-SOURCE-SOFTWARE / 1

85525922 3-CHIP HD CAMERA HEAD ENDOCAM LOGIC HD AUTOCLAVE C-Mount, 3x 1/3 inch image sensor, Digital image processing and digital signal transfer, 2 programmable camera headbuttons, angled camera cable exit, serviceable camera cable. Cable length: 3m, weight (w/o cable): 170g Dim (LxWxH): 105mm x 43mm x 53mm 1

85261504 ZOOM LENS F 13-29MM

Medical Grade HD LCD Monitor 27"

LMD-2765NB A-Si Active Matrix LCD, LED backlight illumination, OptiContrast Panel (IPS, incl. power cable, low-voltage cable, external power supply (SONY AC-120MD), CD ROM, instructions 1

- o Special customized color setting for R. Wolf ENDOCAM. SONY standard settings can be loaded.
- o High brightness OptiContrast Panel™ with 1000 cd/m² and contrast 1000:1.
- o Slim housing with narrow bezel for a wider display area.
- o Fully equipped with 3G-SDI, DVI and analog inputs.



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E-mail: sakabir@brain.net.pk

Sr.#	Product ID	Product Description	Qty
		TV standard (SD): PAL, NTSC, automatic switch over, Resolution: 1920 x 1080 Pixel / pixels (Full HD), Aspect ratio: 16 : 9, Aspect Ratio: 16 : 9, Display color: 16.700.000, Contrast ratio: 1.000 : 1 Brightness: 1000 cd/m ² (typical), Response time: 7 ms 15 ms (grey-to-grey), VESA mounting: VESA 100 x 100, Angle of view: 89° / down 89° / right Signal input (HD) 3G-SDI / HD-SDI / SDI (BNC 2x in/1x out), DVI-D (2x in/1x out), 1xRGB via HD15 / D-SUB, 15pin = VGA Input Video input / output (SD) Y/C (S-VHS 1x in), Composite (FBAS, BNC 1x in) MONITOR STAND (5370.0190)	1
51600011	ENDOLIGHT LED 1.1 SET	High Power LED providing highest energy efficiency and light output, guaranteed homogenous illumination due to innovative LED-fibre light cable coupling, LED life time>30000h, color temperature approx. 6500K, continuous electronic light intensity control, super silent operation, CF isolation rating, power supply 100-240V,50/60Hz, dimensions (WxHxD): 300 x 120 x 421mm	1
22350211	INSUFFLATOR HIGHFLOW 45 HEAT SET 2235021 INSUFFLATOR HIGHFLOW 45 HEAT / 244003 POWER CABLE / 8170202 INSUFFLATION TUBE / 4171111 HYGIENE FILTERS STERILE (PACK=10 PCS.) /		1
806550231	FUSION FIBER LIGHT CABLE 5,0MM 2,3M - HEAT-RESISTANT	80655023 FUSION FIBRE LIGHT CABLE 5,0MM 2,3M / 809509 ADAPTER ENDOSCOPE END / 809507 ADAPTER PROJECTOR END / 155831313 CT, FOLDED BOX FOR LL-CABLE 350X245X33 /	1
32116.004	Endo Trolley Imported	RIWOMOBIL WITH BASIC-ELECTRICS 220-240V "Universal video trolley with monitor bridge to hold a VESA monitor mount. Including a monitor mount VESA 100, a back panel and integrated cable duct. 3 shelves (370mmwide), 2 individually adjustable. 4 double caster wheels, 2 featuring a double lock (direction lock/free wheel/total lock). 2 wheels electrical conductive. Interfaces for support arms and installation of extensive accessories. Colour: White, RAL 9016, aluminium side profile. Dimensions (WxHxD): 720 x 1520 x 700mm. Trolley includes a BASIC-ELECTRICS 220-240V / 2000VA, consisting of: Electronic housing (basic), cut-off module (electronic) and device socket block with 12 sockets and integrated main switchmodule, 6 device power cable."	1



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E-mail: sakabir@brain.net.pk
sohails@brain.net.pk

Sr.#	Product ID	Product Description	Qty
8923.014		RIWO-ART-TROCAR SLEEVE with magnetic-ball-valve, metal sleeve straight distal tip, 10mm capacity, 100 mm working length	2
8923.123		TROCAR PYRAMIDAL TIP for RIWO-ART trocar sleeves diam. 10 mm, working length 100 mm	2
8921.014		RIWO-ART-TROCAR SLEEVE with magnetic-ball-valve, with insufflation tap, metal sleeve standard, straight distal tip, capacity 5,5 mm, working length 100 mm	2
8921.123		TROCAR with pyramidal tip, capacity 5.5 mm, working length 100 mm	2
8302.12		VERES CANNULA 12 cm working length	1
8385.5		INSTRUMENT SLEEVE AND extractor, 10/5.5 mm, working length 170 mm	1
83932925		Artrumatic Alligator Forceps, Size 5mm, Length 33cm	1
83934817		Universal Grasping Forceps, Size 5mm, Length 33cm	1
83934887		Grasping Forceps, 2*3 Claw, Size 5mm, Length 33cm	1
83932817		Marryland Disecting Forcep 5mm Length 33cm	1
83930417		Metzenbaum Scissors Curved 5mm Length 33 cm	1
83932857		Grasping & Disecting Forceps Dolphin 5mm 33 cm	1
8383.423		Hook Electrode L Shaped 4mm Length 34cm	1
8106.034		High Frequency Cable	1
8383.732		Suction Irrigation Tube Size 5mm Length 29cm	1
8389.911		Clip Applicator 10 mm	1
8385.50		Introducing Sleeve for Applicator	1

Manufactured by RICHARD WOLF - GERMANY

(Amount: One Crore Six Lacs Twenty Five Thousand Rupees Only)

WARRANTY : AS PER TENDER AGAINST ANY MANUFACTURING DEFECTS

For
Verizon,

M. TEHSEEN JAWAID
Zonal Manager





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Prepared For

Peoples Medical Collage Hospital,
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Quote #	V-18130302
Delivery	10-12 weeks
Terms	F.O.R.
Validity	As per Tender
Date	13-Mar-18

FINANCIAL PROPOSAL

Product ID	Product Description	Qty	Unit Price
ITEM # 14	PEADS CYSTOSCOPE WITH BRIDGE	1 Set	PAK Rupees 10,12,500.00
	<u>Richard Wolf Paediatric Cystoscope</u>		
1	8686.414 PANOVIEW-TELESCOPE diameter 1,9 mm, distortion-free angle of view 0°, WL 185 mm, with Universal-eyepiece, autoclavable	1	
2	8672.422 PANOVIEW-TELESCOPE Diameter 2,7 mm angle of view 30°, working length 185 mm with Universal-eyepiece, autoclavable	1	
3	8686.0341 SHEATH 9.5 Fr		
4	8686.0241 SHEATH 12 Fr	1	
5	828.244 Grasping Forcep flexible Flexible grasping forceps with overload protection for cysto-urethrosopes 8672 and 8680, 4 Fr., WL 230 mm	1	
6	829.03 BIOPSY FORCEPS 3 FR. flexible	1	
7	823.04 BUTTON ELECTRODE 4 FR., HF MONOP.		
8	824.03 NEEDLE ELECTRODE, 2,4 FR., HF MONOP. working length 255 mm	1	

Manufactured by RICHARD WOLF - GERMANY

WARRANTY : AS PER TENDER AGAINST ANY MANUFACTURING DEFECTS

(Rupees: Ten lacs Twelve Thousand Five Hundred Rupees Only)

For
Verizon,

M. TEHSEEN JAWAID
Zonal Manager





Head Office
60-D, F.C.C. Zahoor Elahi Road,
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Prepared For
Peoples Medical Collage Hospital,
Nawabshah -- Shaheed Benazirabad

Quote #	V-18130303
Delivery	10-12 weeks
Terms	F.O.R.
Validity	As per Tender
Date	13-Mar-18

FINANCIAL PROPOSAL

Sr.#	Product ID	Product Description	Qty	UNIT PRICE Pak Rupees
	ITEM# 15	PEAD RESECTOSCOPE COMPLETE SET	01 Set	7,25,000.00
		RICHARD WOLF PAEDIATRIC RESECTOSCOPE		
1	8672.421	PANOVIEW-TELESCOPE diameter 2,7 mm, angle of view 0°, working length 185 mm, with Universal-eyepiece, autoclavable	1	
2	8677.0141	Sheath "E-line" 11,5 Fr. with obturator for resectoscope with telescope 2,7 mm, for small children	1	
3	8677.224	WORKING ELEMENT "E-LINE" passive cutting action for resectoscope with telescope 2.7 mm for small children	1	
4	8677.254	ATTACHMENT without instrument port for resectoscope with telescope 2.7 mm for small children	1	
5	8416.03	CUTTING ELECTRODE	1	
6	815.034	High frequency cord.	1	
7	8558.03	Ellik Evacuator	1	
8	8558.14	CONNECTING PIECE for attaching the evacuator, with cone	1	

Manufactured by RICHARD WOLF - GERMANY

WARRANTY : AS PER TENDER AGAINST ANY MANUFACTURING DEFECTS

(Rupees: Seven Lacs Twenty Five Thousand Rupees Only)

For
Verizon,

M. TEHSEEN JAWAID
Zonal Manager





Head Office
60-D. F.C.C. Zahoor Elahi Road,
Gulberg IV, Lahore.
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35764397-35877471-2
Fax: 92-42-35877319-35877473
E-mail: sakabir@brain.net.pk
sohails@brain.net.pk

Prepared For
Peoples Medical Collage Hospital,
Nawabshah -- Shaheed Benazirabad

Quote #	V-18130301
Delivery	10-12 weeks
Terms	F.O.R.
Validity	As per Tender
Date	20-Mar-18

FINANCIAL PROPOSAL

Sr.#	Product ID	Product Description	Qty	UNIT PRICE PAK RUPEES
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ITEM NO. 16 **ADULT RESECTOSCOPE** 1 Set 8,12,500.00

R. WOLF E-LINE ADULT RESECTOSCOPE SET WITH TELESCOPE

- | | | | |
|----|-----------|---|---|
| 1 | 8654.204 | WORKING ELEMENT "E-LINE" active cutting action, handle open, for telescopes 4 mm, 12° and 25° | 1 |
| 2a | 8675426 | CONTINUOUS IRRIGATION OUTER SHEATH 26 Fr | |
| 2b | 8675324 | INNER-CONTINUOUS-IRRIGATION-SHEATH 24 Fr | |
| 3 | 8673024 | OBTURATOR 24 FR. | 1 |
| 4 | 8558.03 | ELLIK EVACUATOR with CONNECTING PIECE for attaching the evacuator, with cone (Cat.# 8558.14) | 1 |
| 5 | 8678.2435 | CUTTING LOOP / ELECTRODE loop 0,4 mm-wire | 1 |
| 6 | 815.034 | HF MONOPOLAR CONNECTING 3 M Unit connecting ESCHMANN and other devices with 4 mm connectors | 1 |

TELESCOPE 30deg 4mm

7 8654.422 PANOVIEW-TELESCOPE 30° diameter 4 mm, distortion-free 1

Manufactured by RICHARD WOLF - GERMANY

(Rupees: Eight Lacs Twelve Thousand Five Hundred Rupees only.)

WARRANTY : AS PER TENDER AGAINST ANY MANUFACTURING DEFECTS

For Verizon,

M. TEHSEEN JAWAID
Zonal Manager





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Prepared For
Poples Medical Collage Hospital,
Rawabshah -- Shaheed Benazirabad

Quote #	V-18130301
Delivery	10-12 weeks
Terms	F.O.R.
Validity	As per Tender
Date	13-Mar-18

FINANCIAL PROPOSAL

Sr.#	Product ID	Product Description	Qty	UNIT PRICE
	ITEM # 25	THERAPEUTIC HYSTEROSCOPE	01-Set	32,37,500.00
1-	8753.411	TELESCOPE 12" W 3.6MM H 2MM WL 227MM rigid, with lateral ocular lens, working channel 4.3/ 4.8Fr, TL 358mm, semi-rigid image carrier	1	
2-	8753.003	OUTER SHEATH FOR HYSTEROSCOPE 15FR color code blue, WL 214mm, oval, working channel 5Fr, compatible with hysteroscopy telescope 8753411, reusable	1	
3-	8753.004	INNER SHEATH FOR HYSTEROSCOPE color code blue, working channel 5Fr, compatible with outer sheath 8753003, reusable	1	
4-	8642.6502	GRASPING FORCEPS BNDL 86426508 GRASP. FORCEPS INSERT 5FR WL 340MM / 8083001 HANDLE WITH OVERLOAD PROTECTION / 03-111- 0480 WI HYSAFE FORCEPS /	1	
		CAMERA SYSTEM		
1-	5521101	FLEX HD CAMERA CONTROLLER LED, buttons, Output: 1x HDMI, Resolution:1920x1080, U: 100- 240VAC, 50/60Hz, Dim (wxhxd) 150x58x230mm	1	
1-	5521902	FLEX HD CAMERA HEAD, CABLE 2,5M C-Mount, 1 chip, 2 camera-head buttons, Sensor size: 1/3"		
1-	5261504	ZOOM LENS F 13-29MM with C-mount connector and Snap-on lock, immersible, f = 13 - 29mm, optimized for 1/3" image sensors		



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 sohais@brain.net.pk

Prepared For
 Peoples Medical Collage Hospital,
 Nawabshah -- Shaheed Benazirabad

Quote #	V-18130304
Delivery	10-12 weeks
Terms	C.I.F
Validity	As per Tender
Date	13-Mar-18

FINANCIAL PROPOSAL

Sr.#	Product ID	Product Description	Qty	UNIT PRICE
				EURO
ITEM# 12		Laproscope Complete Set	1- Set	71,225.00
		Richard Wolf Full HD Laproscopic System		
8934.431		HD PANOVIEW-TELESCOPE 0° Diameter 10 mm, distortion-free,	1	
55251081		ENDOCAM LOGIC HD CONTROLLER SET 5525108 ENDOCAM LOGIC HD CONTROLLER / 5525401 MANUAL REMOTE CONTROL / 56540028 USB FLASH DRIVE 8GB / 5590989 CAN-BUS TERMINATOR / 103843 HDMI / DVI-D CABLE INTERLOCK 3.0 M / 244003 POWER CABLE / 64360816 5525 DVD LICENSE OPEN-SOURCE-SOFTWARE /	1	
85525922		3-CHIP HD CAMERA HEAD ENDOCAM LOGIC HD AUTOCLAVE C-Mount, 3x 1/3 inch image sensor, Digital image processing and digital signal transfer, 2 programmable camera headbuttons, angled camera cable exit, serviceable camera cable. Cable length: 3m, weight (w/o cable): 170g Dim (LxWxH): 105mm x 43mm x 53mm	1	
85261504		ZOOM LENS F 13-29MM		
		Medical Grade HD LCD Monitor 27"		
LMD-2765NB		A-Si Active Matrix LCD, LED backlight illumination, OptiContrast Panel (IPS, incl. power cable, low-voltage cable, external power supply (SONY AC-120MD), CD ROM, instructions	1	
		<ul style="list-style-type: none"> o Special customized color setting for R. Wolf ENDOCAM. SONY standard settings can be loaded. o High brightness OptiContrast Panel™ with 1000 cd/m² and contrast 1000:1. o Slim housing with narrow bezel for a wider display area. o Fully equipped with 3G-SDI, DVI and analog inputs. 		



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 E-mail: sakabir@brain.net.pk

Sr.#	Product ID	Product Description	Qty
------	------------	---------------------	-----

TV standard (SD): PAL, NTSC. automatic switch over, Resolution: 1920 x 1080 Pixel / pixels (Full HD), Aspect ratio: 16 : 9, Aspect Ratio: 16 : 9, Display color: 16.700.000, Contrast ratio: 1.000 : 1 Brightness: 1000 cd/m² (typical), Response time: 7 ms 15 ms (grey-to-grey), VESA mounting: VESA 100 x 100, Angle of view: 89° / down 89° / right

Signal Input (HD)

3G-SDI / HD-SDI / SDI (BNC 2x in/1x out), DVI-D (2x in/1x out), 1xRGB via HD15 / D-SUB, 15pin = VGA Input

Video input / output (SD)

Y/C (S-VHS 1x in), Composite (FBAS, BNC 1x in)

MONITOR STAND (5370.0190)

SONY SU-560, for LCD-Monitors, unit mounting by VESA (100x100mm)

1

51600011 ENDOLIGHT LED 1.1 SET

High Power LED providing highest energy efficiency and light output, guaranteed homogenous illumination due to innovative LED-fibre light cable coupling, LED life time>30000h, color temperature approx. 6500K, continuous electronic light intensity control, super silent operation, CF isolation rating, power supply 100-240V,50/60Hz, dimensions (WxHxD): 300 x 120 x 421mm

1

22350211 INSUFFLATOR HIGHFLOW 45 HEAT SET 2235021 INSUFFLATOR HIGHFLOW 45 HEAT / 244003 POWER CABLE / 8170202 INSUFFLATION TUBE / 4171111 HYGIENE FILTERS STERILE (PACK=10 PCS.) /

1

806550231 FUSION FIBER LIGHT CABLE 5,0MM 2,3M - HEAT-RESISTANT
 80655023 FUSION FIBRE LIGHT CABLE 5,0MM 2,3M / 809509 ADAPTER ENDOSCOPE END / 809507 ADAPTER PROJECTOR END / 155831313 CT, FOLDED BOX FOR LL-CABLE 350X245X33 /

1

32116.004 Endo Trolley Imported

RIWOMOBIL WITH BASIC-ELECTRICS 220-240V "Universal video trolley with monitor bridge to hold a VESA monitor mount. Including a monitor mount VESA 100, a back panel and integrated cable duct. 3 shelves (370mmwide), 2 individually adjustable. 4 double caster wheels, 2 featuring a double lock (direction lock/free wheel/total lock). 2 wheels electrical conductive. Interfaces for support arms and installation of extensive accessories. Colour: White, RAL 9016, aluminium side profile. Dimensions (WxHxD): 720 x 1520 x 700mm. Trolley includes a BASIC-ELECTRICS 220-240V / 2000VA, consisting of: Electronic housing (basic), cut-off module (electronic) and device socket block with 12 sockets and integrated main switchmodule, 6 device power cable."

1



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sohails@brain.net.pk

Sr.#	Product ID	Product Description	Qty
8923.014		RIWO-ART-TROCAR SLEEVE with magnetic-ball-valve, metal sleeve straight distal tip, 10mm capacity, 100 mm working length	2
8923.123		TROCAR PYRAMIDAL TIP for RIWO-ART trocar sleeves diam. 10 mm, working length 100 mm	2
8921.014		RIWO-ART-TROCAR SLEEVE with magnetic-ball-valve, with insufflation tap, metal sleeve standard, straight distal tip, capacity 5,5 mm, working length 100 mm	2
8921.123		TROCAR with pyramidal tip, capacity 5,5 mm, working length 100 mm	2
8302.12		VERES CANNULA 12 cm working length	1
8385.5		INSTRUMENT SLEEVE AND extractor, 10/5,5 mm, working length 170 mm	1
83932925		Artrumatic Alligator Forceps, Size 5mm, Length 33cm	1
83934817		Universal Grasping Forceps, Size 5mm, Length 33cm	1
83934887		Grasping Forceps, 2*3 Claw, Size 5mm, Length 33cm	1
83932817		Marryland Disecting Forcep 5mm Length 33cm	1
83930417		Metzenbaum Scissors Curved 5mm Length 33 cm	1
83932857		Grasping & Disecting Forceps Dolphin 5mm 33 cm	1
8383.423		Hook Electrode L Shaped 4mm Length 34cm	1
8106.034		High Frequency Cable	1
8383.732		Suction Irrigation Tube Size 5mm Length 29cm	1
8389.911		Clip Applicator 10 mm	1
8385.50		Introducing Sleeve for Applicator	1

Manufactured by RICHARD WOLF - GERMANY

(Amount:Seventy One Thousand Two Hundred Twenty Five Euro Only)

WARRANTY : AS PER TENDER AGAINST ANY MANUFACTURING DEFECTS

For
Verizon,

M. TEHSEEN JAWAID
Zonal Manager





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60-D, F.C.C. Zahoor Elahi Road,
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Prepared For
Peoples Medical Collage Hospital,
Nawabshah -- Shaheed Benazirabad

Quote #	V-18130302
Delivery	10-12 weeks
Terms	C.I.F
Validity	As per Tender
Date	13-Mar-18

FINANCIAL PROPOSAL

Product ID	Product Description	Qty	Unit Price
			EURO
ITEM # 14	PEADS CYSTOSCOPE WITH BRIDGE	1 Set	6,738.00
	<u>Richard Wolf Paediatric Cystoscope</u>		
1	8686.414 PANOVIEW-TELESCOPE diameter 1,9 mm, distortion-free angle of view 0°, WL 185 mm, with Universal-eyepiece, autoclavable	1	
2	8672.422 PANOVIEW-TELESCOPE Diameter 2,7 mm angle of view 30°, working length 185 mm with Universal-eyepiece, autoclavable	1	
3	8686.0341 SHEATH 9.5 Fr		
4	8686.0241 SHEATH 12 Fr	1	
5	828.244 Grasping Forcep flexible Flexible grasping forceps with overload protection for cysto-urethroscopes 8672 and 8680, 4 Fr., WL 230 mm	1	
6	829.03 BIOPSY FORCEPS 3 FR. flexible	1	
7	823.04 BUTTON ELECTRODE 4 FR., HF MONOP.		
8	824.03 NEEDLE ELECTRODE, 2,4 FR., HF MONOP. working length 255 mm	1	

Manufactured by RICHARD WOLF - GERMANY

WARRANTY : AS PER TENDER AGAINST ANY MANUFACTURING DEFECTS

(Rupees: Six Thousand Seven Hundred Thirty Eight Euros Only)

For
Verizon,


M. TEHSEEN JAWAID
Zonal Manager





Head Office
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Prepared For
Peoples Medical Collage Hospital,
Nawabshah -- Shaheed Benazirabad

Quote #	V-18130303
Delivery	10-12 weeks
Terms	C.I.F
Validity	As per Tender
Date	13-Mar-18

FINANCIAL PROPOSAL

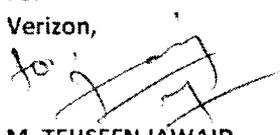
Sr.#	Product ID	Product Description	Qty	UNIT PRICE EURO
	ITEM# 15	PEAD RESECTOSCOPE COMPLETE SET	01 Set	4,625.00
		RICHARD WOLF PAEDIATRIC RESECTOSCOPE		
1	8672.421	PANOVIEW-TELESCOPE diameter 2,7 mm, angle of view 0°, working length 185 mm, with Universal-eyepiece, autoclavable	1	
2	8677.0141	Sheath "E-line" 11,5 Fr. with obturator for resectoscope with telescope 2,7 mm, for small children	1	
3	8677.224	WORKING ELEMENT "E-LINE" passive cutting action for resectoscope with telescope 2.7 mm for small children	1	
4	8677.254	ATTACHMENT without instrument port for resectoscope with telescope 2.7 mm for small children	1	
5	8416.03	CUTTING ELECTRODE	1	
6	815.034	High frequency cord.	1	
7	8558.03	Ellik Evacuator	1	
8	8558.14	CONNECTING PIECE for attaching the evacuator, with cone	1	

Manufactured by RICHARD WOLF - GERMANY

WARRANTY : AS PER TENDER AGAINST ANY MANUFACTURING DEFECTS

(Amount: Four Thousand Six Hundred Twenty Five Euro Only)

For
Verizon,

to

M. TEHSEEN JAWAID
Zonal Manager





Head Office
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Prepared For
Peoples Medical Collage Hospital,
Nawabshah -- Shaheed Benazirabad

Quote #	V-18130301
Delivery	10-12 weeks
Terms	C.I.F
Validity	As per Tender
Date	13-Mar-18

FINANCIAL PROPOSAL

Sr.#	Product ID	Product Description	Qty	UNIT PRICE EURO
ITEM NO. 16		ADULT RESECTOSCOPE	1 Set	5,188.00
		<u>R. WOLF E-LINE ADULT RESECTOSCOPE SET WITH TELESCOPE</u>		
1	8654.204	WORKING ELEMENT "E-LINE" active cutting action, handle open, for telescopes 4 mm, 12° and 25°	1	
2a	8675426	CONTINUOUS IRRIGATION OUTER SHEATH 26 Fr		
2b	8675324	INNER-CONTINUOUS-IRRIGATION-SHEATH 24 Fr		
3	8673024	OBTURATOR 24 FR.	1	
4	8558.03	ELLIK EVACUATOR with CONNECTING PIECE for attaching the evacuator, with cone (Cat.# 8558.14)	1	
5	8678.2435	CUTTING LOOP / ELECTRODE loop 0,4 mm-wire	1	
6	815.034	HF MONOPOLAR CONNECTING 3 M Unit connecting ESCHMANN and other devices with 4 mm connectors	1	
		<u>TELESCOPE 30deg 4mm</u>		
7	8654.422	PANOVIEW-TELESCOPE 30° diameter 4 mm, distortion-free	1	

Manufactured by RICHARD WOLF - GERMANY

(Rupees: Five Thousand One Hundred Eighty Eight Euro Only.)

WARRANTY : AS PER TENDER AGAINST ANY MANUFACTURING DEFECTS

For Verizon,

M. TEHSEEN JAWAID
Zonal Manager





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Prepared For
Peoples Medical Collage Hospital,
Nawabshah -- Shaheed Benazirabad

Quote #	V-18130301
Delivery	10-12 weeks
Terms	C.I.F
Validity	As per Tender
Date	13-Mar-18

FINANCIAL PROPOSAL

Sr.#	Product ID	Product Description	Qty	UNIT PRICE
	ITEM # 25	<u>THERAPEUTIC HYSTEROSCOPE</u>	01-Set	EURO 20,750.00
1-	8753.411	TELESCOPE 12° W 3.6MM H 2MM WL 227MM rigid, with lateral ocular lens, working channel 4.3/ 4.8Fr, TL 358mm, semi-rigid image carrier	1	
2-	8753.003	OUTER SHEATH FOR HYSTEROSCOPE 15FR color code blue, WL 214mm, oval, working channel 5Fr, compatible with hysteroscopy telescope 8753411, reusable	1	
3-	8753 004	INNER SHEATH FOR HYSTEROSCOPE color code blue, working channel 5Fr, compatible with outer sheath 8753003, reusable	1	
4-	8642.6502	GRASPING FORCEPS BNDL 86426508 GRASP. FORCEPS INSERT 5FR WL 340MM / 8083001 HANDLE WITH OVERLOAD PROTECTION / 03-111- 0480 WI HYSAFE FORCEPS /	1	
		<u>CAMERA SYSTEM</u>		
1-	5521101	FLEX HD CAMERA CONTROLLER LED, buttons, Output: 1x HDMI, Resolution:1920x1080, U: 100- 240VAC, 50/60Hz, Dim (wxhxd) 150x58x230mm	1	
2-	5521902	FLEX HD CAMERA HEAD, CABLE 2,5M C-Mount, 1 chip, 2 camera-head buttons, Sensor size: 1/3"		
3-	5261504	ZOOM LENS F 13-29MM with C-mount connector and Snap-on lock, immersible, f = 13 - 29mm, optimized for 1/3" image sensors		



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E-mail: sakabir@brain.net.pk
sohails@brain.net.pk

- | | | | |
|----|-----------------|--|---|
| 4- | 103824 | MINI CLEANBOARD USB
Washable USB keyboard incl. Mousepad. Integrated magnets on bottom side for better hold. IP 65 sealed, resistant against current desinfectants. Dimensions (wxhxd): 300 x 22,4 x 180 mm. American / English version (QWERTY). | 1 |
| 5- | MDRAP21ELXACRW3 | LCD MONITOR 21.5" | 1 |
| 6- | 51660011 | LIGHT SOURCE FLEX LED BNDL
5166001 LIGHT SOURCE FLEX LED 42W / 244003 POWER CABLE / | |
| 7- | 5370402 | CONSOLE VESA 100 FOR 2 DEVICES
for accommodate two devices of the "Flex" series installation between VESA 100 mount and VESA 100 monitor with holder for camera head and light cable Dim wxhxd 114x308x220mm | 1 |

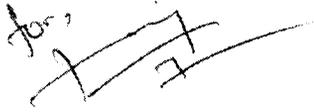


Manufactured by RICHARD WOLF - GERMANY

(Rupees: Twenty Thousand Seven Hundred Fifty Euro Only.)

WARRANTY : AS PER TENDER AGAINST ANY MANUFACTURING DEFECTS

For Verizon,


M. TEHSEEN JAWAID
Zonal Manager





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sohails@brain.net.pk

Prepared For
Peoples Medical Collage Hospital,
Nawabshah -- Shaheed Benazirabad

Quote #	V-18130304
Delivery	10-12 weeks
Terms	F.O.R.
Validity	As per Tender
Date	13-Mar-18

FINANCIAL PROPOSAL

Sr.#	Product ID	Product Description	Qty	UNIT PRICE
				PKR

ITEM# 12 **Laproscope Complete Set** 1- Set 1,06,25,000

Richard Wolf Full HD Laproscopic System

8934.431 HD PANOVIEW-TELESCOPE 0° Diameter 10 mm, distortion-free, 1

55251081 ENDOCAM LOGIC HD CONTROLLER SET 5525108 ENDOCAM
LOGIC HD CONTROLLER / 5525401 MANUAL REMOTE CONTROL
/ 56540028 USB FLASH DRIVE 8GB / 5590989 CAN-BUS
TERMINATOR / 103843 HDMI / DVI-D CABLE INTERLOCK 3,0 M /
244003 POWER CABLE / 64360816 5525 DVD LICENSE OPEN-
SOURCE-SOFTWARE / 1

85525922 3-CHIP HD CAMERA HEAD ENDOCAM LOGIC HD AUTOCLAVE C-
Mount, 3x 1/3 inch image sensor, Digital image processing and digital
signal transfer, 2 programmable camera headbuttons, angled camera
cable exit, serviceable camera cable. Cable length: 3m, weight (w/o
cable): 170g Dim (LxWxH): 105mm x 43mm x 53mm 1

85261504 ZOOM LENS F 13-29MM

Medical Grade HD LCD Monitor 27"

LMD-2765NB A-Si Active Matrix LCD, 1
LED backlight illumination, OptiContrast Panel (IPS, incl. power
cable, low-voltage cable, external power supply (SONY
AC-120MD), CD ROM, instructions

- o Special customized color setting for R. Wolf ENDOCAM. SONY standard settings can be loaded.
- o High brightness OptiContrast Panel™ with 1000 cd/m² and contrast 1000:1.
- o Slim housing with narrow bezel for a wider display area.
- o Fully equipped wit 3G-SDI, DVI and analog inputs.



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E-mail: sakabir@brain.net.pk

Sr.#	Product ID	Product Description	Qty
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TV standard (SD): PAL, NTSC, automatic switch over, Resolution:
1920 x 1080 Pixel / pixels (Full HD), Aspect ratio: 16 : 9, Aspect
Ratio: 16 : 9, Display color: 16.700.000, Contrast ratio: 1.000 : 1
Brightness: 1000 cd/m² (typical), Response time: 7 ms 15 ms
(grey-to-grey), VESA mounting: VESA 100 x 100, Angle of view:
89° / down 89° / right

Signal Input (HD)

3G-SDI / HD-SDI / SDI (BNC 2x in/1x out), DVI-D (2x in/1x out),
1xRGB via HD15 / D-SUB, 15pin = VGA Input

Video input / output (SD)

Y/C (S-VHS 1x in), Composite (FBAS, BNC 1x in)

MONITOR STAND (5370.0190)

SONY SU-560, for LCD-Monitors, unit mounting by VESA
(100x100mm)

1

51600011 ENDOLIGHT LED 1.1 SET

High Power LED providing highest energy efficiency and light output,
guaranteed homogenous illumination due to innovative LED-fibre light
cable coupling, LED life time>30000h, color temperature approx.
6500K, continuous electronic light intensity control, super silent
operation, CF isolation rating, power supply 100-240V,50/60Hz,
dimensions (WxHxD): 300 x 120 x 421mm

1

**22350211 INSUFFLATOR HIGHFLOW 45 HEAT SET 2235021 INSUFFLATOR
HIGHFLOW 45 HEAT / 244003 POWER CABLE / 8170202
INSUFFLATION TUBE / 4171111 HYGIENE FILTERS STERILE
(PACK=10 PCS.) /**

1

**806550231 FUSION FIBER LIGHT CABLE 5.0MM 2.3M - HEAT-RESISTANT
80655023 FUSION FIBRE LIGHT CABLE 5.0MM 2.3M / 809509
ADAPTER ENDOSCOPE END / 809507 ADAPTER PROJECTOR
END / 155831313 CT, FOLDED BOX FOR LL-CABLE 350X245X33 /**

1

32116.004 Endo Trolley Imported

RIWOMOBIL WITH BASIC-ELECTRICS 220-240V "Universal video
trolley with monitor bridge to hold a VESA monitor mount. Including a
monitor mount VESA 100, a back panel and integrated cable duct. 3
shelves (370mmwide), 2 individually adjustable. 4 double caster
wheels, 2 featuring a double lock (direction lock/free wheel/total lock).
2 wheels electrical conductive. Interfaces for support arms and
installation of extensive accessories. Colour: White, RAL 9016,
aluminium side profile. Dimensions (WxHxD): 720 x 1520 x 700mm.
Trolley includes a BASIC-ELECTRICS 220-240V / 2000VA,
consisting of: Electronic housing (basic), cut-off module (electronic)
and device socket block with 12 sockets and integrated main
switchmodule, 6 device power cable."

1



Head Office
60-D, F.C.C. Zahoor Elahi Road,
Gulberg IV, Lahore.
Ph: 92-42-35876041-35764684
35764397-35877471-2
Fax: 92-42-35877319-35877473
E-mail: sakabir@brain.net.pk
sohails@brain.net.pk

Sr.#	Product ID	Product Description	Qty
	8923.014	RIWO-ART-TROCAR SLEEVE with magnetic-ball-valve, metal sleeve straight distal tip, 10mm capacity, 100 mm working length	2
	8923.123	TROCAR PYRAMIDAL TIP for RIWO-ART trocar sleeves diam. 10 mm, working length 100 mm	2
	8921.014	RIWO-ART-TROCAR SLEEVE with magnetic-ball-valve, with insufflation tap, metal sleeve standard, straight distal tip, capacity 5,5 mm, working length 100 mm	2
	8921.123	TROCAR with pyramidal tip, capacity 5.5 mm, working length 100 mm	2
	8302.12	VERES CANNULA 12 cm working length	1
	8385.5	INSTRUMENT SLEEVE AND extractor, 10/5,5 mm, working length 170 mm	1
	83932925	Artrumatic Alligator Forceps, Size 5mm, Length 33cm	1
	83934817	Universal Grasping Forceps, Size 5mm, Length 33cm	1
	83934887	Grasping Forceps, 2*3 Claw, Size 5mm, Length 33cm	1
	83932817	Marryland Disecting Forcep 5mm Length 33cm	1
	83930417	Metzenbaum Scissors Curved 5mm Length 33 cm	1
	83932857	Grasping & Disecting Forceps Dolphin 5mm 33 cm	1
	8383.423	Hook Electrode L Shaped 4mm Length 34cm	1
	8106.034	High Frequency Cable	1
	8383.732	Suction Irrigation Tube Size 5mm Length 29cm	1
	8389.911	Clip Applicator 10 mm	1
	8385.50	Introducing Sleeve for Applicator	1

Manufactured by RICHARD WOLF - GERMANY

(Amount: One Crore Six Lacs Twenty Five Thousand Rupees Only)

WARRANTY : AS PER TENDER AGAINST ANY MANUFACTURING DEFECTS

For
Verizon,

M. TEHSEEN JAWAID
Zonal Manager





Head Office
60-D, F.C.C. Zahoor Elahi Road,
Gulberg IV, Lahore.
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E-mail: sakabir@brain.net.pk
sohails@brain.net.pk

Prepared For
Peoples Medical Collage Hospital,
Nawabshah -- Shaheed Benazirabad

Quote #	V-18130302
Delivery	10-12 weeks
Terms	F.O.R.
Validity	As per Tender
Date	13-Mar-18

FINANCIAL PROPOSAL

Product ID	Product Description	Qty	Unit Price
ITEM # 14	PEADS CYSTOSCOPE WITH BRIDGE	1 Set	10,12,500.00
	Richard Wolf Paediatric Cystoscope		
1	8686.414 PANOVIEW-TELESCOPE diameter 1,9 mm, distortion-free angle of view 0°, WL 185 mm, with Universal-eyepiece, autoclavable	1	
2	8672.422 PANOVIEW-TELESCOPE Diameter 2,7 mm angle of view 30°, working length 185 mm with Universal-eyepiece, autoclavable	1	
3	8686.0341 SHEATH 9.5 Fr		
4	8686.0241 SHEATH 12 Fr	1	
5	828.244 Grasping Forcep flexible Flexible grasping forceps with overload protection for cysto-urethrosopes 8672 and 8680, 4 Fr., WL 230 mm	1	
6	829.03 BIOPSY FORCEPS 3 FR. flexible	1	
7	823.04 BUTTON ELECTRODE 4 FR., HF MONOP.		
8	824.03 NEEDLE ELECTRODE, 2,4 FR., HF MONOP. working length 255 mm	1	

Manufactured by RICHARD WOLF - GERMANY

WARRANTY : AS PER TENDER AGAINST ANY MANUFACTURING DEFECTS

(Rupees: Ten lacs Twelve Thousand Five Hundred Rupees Only)

For
Verizon,

M. TEHSEEN JAWAID
Zonal Manager





Head Office
60-D, F.C.C. Zahoor Elahi Road,
Gulberg IV, Lahore.
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sohails@brain.net.pk

Prepared For
Peoples Medical Collage Hospital,
Nawabshah -- Shaheed Benazirabad

Quote #	V-18130303
Delivery	10-12 weeks
Terms	F.O.R.
Validity	As per Tender
Date	13-Mar-18

FINANCIAL PROPOSAL

Sr.#	Product ID	Product Description	Qty	UNIT PRICE Pak Rupees
ITEM# 15		PEAD RESECTOSCOPE COMPLETE SET	01 Set	7,25,000.00
		RICHARD WOLF PAEDIATRIC RESECTOSCOPE		
1	8672.421	PANOVIEW-TELESCOPE diameter 2,7 mm, angle of view 0°, working length 185 mm, with Universal-eyepiece, autoclavable	1	
2	8677.0141	Sheath "E-line" 11,5 Fr. with obturator for resectoscope with telescope 2,7 mm, for small children	1	
3	8677.224	WORKING ELEMENT "E-LINE" passive cutting action for resectoscope with telescope 2.7 mm for small children	1	
4	8677.254	ATTACHMENT without instrument port for resectoscope with telescope 2.7 mm for small children	1	
5	8416.03	CUTTING ELECTRODE	1	
6	815.034	High frequency cord.	1	
7	8558.03	Ellik Evacuator	1	
8	8558.14	CONNECTING PIECE for attaching the evacuator, with cone	1	

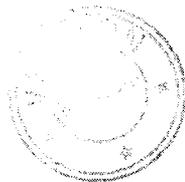
Manufactured by RICHARD WOLF - GERMANY

WARRANTY : AS PER TENDER AGAINST ANY MANUFACTURING DEFECTS

(Rupees: Seven Lacs Twenty Five Thousand Rupees Only)

For
Verizon,

M. TEHSEEN JAWAID
Zonal Manager





Head Office
60-D, F.C.C. Zahoor Elahi Road,
Gulberg IV, Lahore.
Ph: 92-42-35876041-35764684
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E-mail: sakabir@brain.net.pk
sohails@brain.net.pk

Prepared For
Peoples Medical Collage Hospital,
Nawabshah -- Shaheed Benazirabad

Quote #	V-18130301
Delivery	10-12 weeks
Terms	F.O.R.
Validity	As per Tender
Date	20-Mar-18

FINANCIAL PROPOSAL

Sr.#	Product ID	Product Description	Qty	UNIT PRICE PAK RUPEES
------	------------	---------------------	-----	--------------------------

ITEM NO. 16 **ADULT RESECTOSCOPE** 1 Set 8,12,500.00

R. WOLF E-LINE ADULT RESECTOSCOPE SET WITH TELESCOPE

- | | | | |
|----|-----------|---|---|
| 1 | 8654.204 | WORKING ELEMENT "E-LINE" active cutting action, handle open, for telescopes 4 mm, 12° and 25° | 1 |
| 2a | 8675426 | CONTINUOUS IRRIGATION OUTER SHEATH 26 Fr | |
| 2b | 8675324 | INNER-CONTINUOUS-IRRIGATION-SHEATH 24 Fr | |
| 3 | 8673024 | OBTURATOR 24 FR. | 1 |
| 4 | 8558.03 | ELLIK EVACUATOR with CONNECTING PIECE for attaching the evacuator, with cone (Cat.# 8558.14) | 1 |
| 5 | 8678.2435 | CUTTING LOOP / ELECTRODE loop 0,4 mm-wire | 1 |
| 6 | 815.034 | HF MONOPOLAR CONNECTING 3 M Unit connecting ESCHMANN and other devices with 4 mm connectors | 1 |

TELESCOPE 30deg 4mm

- | | | | |
|---|----------|---|---|
| 7 | 8654.422 | PANOVIEW-TELESCOPE 30° diameter 4 mm, distortion-free | 1 |
|---|----------|---|---|

Manufactured by RICHARD WOLF - GERMANY

(Rupees: Eight Lacs Twelve Thousand Five Hundred Rupees only.)

WARRANTY : AS PER TENDER AGAINST ANY MANUFACTURING DEFECTS

For Verizon,

M. TEHSEEN JAWAID
Zonal Manager





Head Office
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Ph: 92-42-35876041-35764684
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sohails@brain.net.pk

Prepared For
Peoples Medical Collage Hospital,
Rawabshah -- Shaheed Benazirabad

Quote #	V-18130301
Delivery	10-12 weeks
Terms	F.O.R.
Validity	As per Tender
Date	13-Mar-18

FINANCIAL PROPOSAL

Sr.#	Product ID	Product Description	Qty	UNIT PRICE
				PAK RUPEES
	ITEM # 25	<u>THERAPEUTIC HYSTEROSCOPE</u>	01-Set	32,37,500.00
1-	8753.411	TELESCOPE 12° W 3.6MM H 2MM WL 227MM rigid, with lateral ocular lens, working channel 4.3/ 4.8Fr, TL 358mm, semi-rigid image carrier	1	
2-	8753.003	OUTER SHEATH FOR HYSTEROSCOPE 15FR color code blue. WL 214mm, oval, working channel 5Fr, compatible with hysteroscopy telescope 8753411, reusable	1	
3-	8753.004	INNER SHEATH FOR HYSTEROSCOPE color code blue, working channel 5Fr, compatible with outer sheath 8753003, reusable	1	
4-	8642.6502	GRASPING FORCEPS BNDL 86426508 GRASP. FORCEPS INSERT 5FR WL 340MM / 8083001 HANDLE WITH OVERLOAD PROTECTION / 03-111- 0480 WI HYSAFE FORCEPS /	1	
		<u>CAMERA SYSTEM</u>		
1-	5521101	FLEX HD CAMERA CONTROLLER LED, buttons, Output: 1x HDMI, Resolution:1920x1080, U: 100- 240VAC, 50/60Hz, Dim (wxhxd) 150x58x230mm	1	
1-	5521902	FLEX HD CAMERA HEAD, CABLE 2,5M C-Mount, 1 chip, 2 camera-head buttons, Sensor size: 1/3"		
1-	5261504	ZOOM LENS F 13-29MM with C-mount connector and Snap-on lock, immersible, f = 13 - 29mm, optimized for 1/3" image sensors		

Medequips (SMC)

Continuation Sheet

- | | | |
|--|--|---|
| - Shear Wave Elastography Kit
for Live Shearwave Elastography
Quantification for Body Organs Specially
Liver with Convex & Linear Probes to
Visualize Tissue Stiffness by Generating
Images through Shear Wave Propagation,
speed and elasticity modes . | (1No.) US\$ 9,000-
(USD Nine Thousand only) | RS.1,100,000-
(Rupees Eleven Lacs only) |
| - Smart Fusion Kit Model
USFN-A500A with Mounting Kit
for Fusion Unit Model UIFR-A500A
for Fusion Imaging of CT/ MRI volume data
to synchronized with ultrasound imaging.
Complete with Hardware & Software.
Needle Navigation / Needle Beam
Enhancement for needle tracking
for interventional procedure. | (1No.) US\$14,000-
(USD Fourteen Thousand only) | RS.1,700,000-
(Rupees Seventeen Lacs only) |

OTHER SPECIFICATIONS:

B-MODE SPECIFICATION

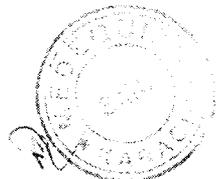
- Scan Angle and Scan Width
Adjustment of the field width (scan width, scan angle).
- Viewing Depth: 40 cm
- Frame Rate: 1087 fps
- Built-in Cine Image memory Kit (4095 frames)
- Real Time and Freeze Image Magnification 27.1 Times

M-MODE SPECIFICATION

- Image Magnification: 27.1 Times
- M Sweep Speed (Slow, Medium, Fast)
- M-Mode Color Display

DOPPLE MODE SPECIFICATION

- PW Doppler
- CW Doppler with CW kit.
- Measurable Velocity Range Steerable.
Doppler Beam Steering and Bi-Directional Audio.
- HPRF Doppler
- Colorized Spectrum Display.
- Maximum Detectable velocity range.
- Doppler Pulse Repetition Frequency (PRF) :
PWD : 0.3 kHz to 52.1 kHz
CWD (depends upon probe) : 1.4 kHz to 52.1 kHz
- Doppler Color Display
- Automatic Baseline and velocity range control.
- Live measurements for Doppler spectrum(Auto Measurement)
- Sample Volume 1-20mm.



COLOR DOPPELR MODE SPECIFICATION

- Both CW and PW Doppler continuous steerable in the color blood flow imaging mode in real time.
- 2D image with Color, CW and PW mode
- Windows based system for easy usage with Programmable Control panel Keys.
- Power Doppler.
- Tissue Harmonic Imaging with 4 THI frequencies.
- Triplex Mode / Simultaneous Display (B/M/D)
- 300dB Dynamic range.
- Independent steering of color box and linear BEAM.

MEASUREMENTS PACKAGE

Measurement of Distance, Circumference, Area, Time, Depth, Angle, IMT, Velocity, Frequency, Heart Rate, Volume, Nuchal Thickness/ Measurement, E.F, F.S, cardiac output, pressure gradients.

STORAGE INTERFACE AND EXTERNAL OUTPUT:

- Audio & Video output composite and SVHS.
- 5-USB Ports.
- Ethernet/LAN Connectivity(optional)
- Built-in CD/DVD Drive.

FEATURES:

- 1- LATEST DIGITAL TECHNOLOGY has been employed for processing the images in real time at high speed. The system provides clear and sharp images in Temporal, Axial and lateral direction.
- 2- APLIO 300 HAS BEEN planned and developed by focusing on the four points that comprise the workflow of an ultrasonographic examination; Navigation, Visualization, Quantification, and Communication.
- 3- THE EASY-TO-OPERATE control panel is adjustable Up/Down and in combination with the large color TCS, provides excellent operability. In addition, new transducer shapes and a new screen layout on the 19-inches monitor reduce strain on the user during extended examination.
- 4- VISUALIZATION; High quality B-mode imaging is supported by the newly-developed Pulse Subtraction THI, while visualization of small blood vessels is supported by the Advanced Dynamic Flow Technique.
- 5- QUANTIFICATION; A user friendly optimal measurement package and reporting function are provided for each application.
- 6- DIGITAL IMAGE OPTIMIZER automatically selects optimal parameters for each examinations.
- 7- TWO OR MORE IMAGE quality conditions can be changed simultaneously for 2D images.
- 8- TISSUE HARMONIC IMAGING is available with 4 frequencies for eliminating scattered noise.



- 9- MULTIFREQUENCY HIGH DENSITY DYNAMIC BEAM CONTROL with a single dial, allows the user to select the frequency between five different scanning frequency and facilitate the user to concentrate on diagnostic characteristics.
- 10- APLIPURE for Compound Imaging of frequency and Spatial resolution for greater clarity and noise free imaging.
- 11- QUICKSCAN enables automatic gain and STC control for B mode as well as Velocity range and Base line shift control for Spectrum Doppler.
- 12- LIVE ELASTOGRAPHY (option) display the elasticity of tissue which Helps to diagnose malignant and Benin pathology.

SPECIFICATIONS:

Scanning Method : - Electronic Sector (option)
 - Electronic Convex
 - Electronic Linear with Independent PV steering.

B-mode specifications:

Viewing depth: Max. 40cm.
 Scan Angle / Scan Width: Variable in steps.

M-mode specifications:

M-mode display : Scrolling with 8 Speeds
 Magnification / Zoom : More than 8X
 Color Display of M-Mode.

DISPLAY MODES:

B/M Scan mode:
 a) B(Single / Dual) (b) B/M (c) M

COLOR DOPPLER MODE:

a) BDF (Single/dual) BDF/MDF, BDF/MDF/D, MDF/D, BDF/D, MDF CWD (depends upon probe) and PWD are continuously steerable in the color blood flow image mode in real time.

D-MODE SPECIFICATIONS:

a) B (b) B/M/D (c) B/D (d) M/D (e) D
 PWD, HPRF, and CWD (depends upon probe)
 With window function contrast control and base shift facilities, Auto PRF facility.

OPERATING MODE:

B, 2D, M-Mode, Power Doppler, HPRF, Spectral Doppler, PW Doppler, Duplex & Triplex Mode, Color Doppler, Tissue Doppler Imaging, Panoramic Imaging, Compound Imaging, 3D / 4D imaging (option).

CERTIFICATIONS: FDA 510K, CE MARKED & MHLW

COUNTRY OF ORIGIN: TOSHIBA (CANON) MEDICAL SYSTEMS CORPORATIN JAPAN





ALTERNATE OFFER:

ECHO CARDIOGRAPHY 01No. US\$ 66,000- Rs.8,800,000-
MACHINE DOPPLER (USD Sixty Six Thousand only) (Rupees Eighty Eight Lacs only)
WITH TWO PROBE (INCLUDING PEDIATRIC)

Toshiba's (A Canon Group Company)

Fully Digital Beam Former High Resolution Trolley
 Mounted Diagnostic Color Doppler System "**XARIO-200 Platinum**"
 with 128 transmitting channels with 12 -Bit A/D Conversion
 Fully Digital Beam former having 2D / M -Mode and Doppler Facilities,
 (PW, HPRF, & Color Flow Imaging) with High Resolution Imaging Doppler
 Signal Quality; having DICOM Compatibility and of handle multifrequency
 Probe 18 MHz.

SYSTEM COMPOSITION:

- Main Unit TUS-X200.
- Trolley Mounted System.
- 19 Inches High Resolution tiltable and swivel type
Color LCD Monitor with 1280 x 1024(SXGA).
- 8.4" Touch Control Panel Screen to control parameters.
- 4-Active Transducer Connectors for Transthoracic.
- Color Doppler Imaging Unit.
- PW Doppler.
- Power Doppler.
- Built in CD/DVD Drive.
- HPRF Doppler.
- Duplex / Triplex mode.
- DICOM Media Storage.
- Cine Image Memory: 960MB.
- Integrated / Built in Data Management System with
500GB Hard Disk Drive for future
software up-gradation and acquisition and retrieval
of images for off line analysis.
- Tissue Doppler Imaging mode with Pulse Wave TDI.
- ECG Reference Unit.
- Stress Echo.
- Continuous Wave Doppler.
- Wall motion analysis by semi automatically subtracting the
left ventricular myocardium from the image data acquired by
the system and displaying it for the evaluation of myococardial motion.
- 2D Wall Motion Tracking/Tissue strain imaging with 2D strain and 2D displayment based on 2D
speckle tracking.
- Contrast Harmonic Imaging.
- Worksheet software.
- DICOM media storage software.
- Work Station for review* / Dicom viewer*.
- B/W Thermal Printer (to be supplied locally).
- Online UPS for backup (to be supplied locally).

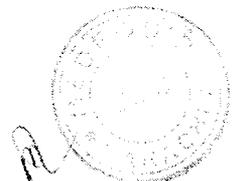


Toshiba's (A Canon Group Company)

Fully Digital Beam Former High Resolution Trolley Mounted Diagnostic Color Doppler System "XARIO-200 Platinum" with 128 transmitting channels with 12 -Bit A/D Conversion Fully Digital Beam former having 2D / M -Mode and Doppler Facilities, (PW, HPRF, & Color Flow Imaging) with High Resolution Imaging Doppler Signal Quality; having DICOM Compatibility and of handle multifrequency Probe 18 MHz.

SYSTEM COMPOSITION:

- Main Unit TUS-X200.
- Trolley Mounted System.
- 19 Inches High Resolution tiltable and swivel type Color LCD Monitor with 1280 x 1024(SXGA).
- 8.4" Touch Control Panel Screen to control parameters.
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- Power Doppler.
- Built in CD/DVD Drive.
- HPRF Doppler.
- Duplex / Triplex mode.
- DICOM Media Storage.
- Cine Image Memory: 960MB.
- Integrated / Built in Data Management System with 500GB Hard Disk Drive for future software up-gradation and acquisition and retrieval of images for off line analysis.
- Tissue Doppler Imaging mode with Pulse Wave TDI.
- ECG Reference Unit.
- Stress Echo.
- Continuous Wave Doppler.
- Wall motion analysis by semi automatically subtracting the left ventricular myocardium from the image data acquired by the system and displaying it for the evaluation of myococardial motion.
- 2D Wall Motion Tracking/Tissue strain imaging with 2D strain and 2D displayment based on 2D speckle tracking.
- Contrast Harmonic Imaging.
- Worksheet software.
- DICOM media storage software.
- Work Station for review* / Dicom viewer*.
- B/W Thermal Printer (to be supplied locally).
- Online UPS for backup (to be supplied locally).



PROBES:

- 2.0 to 4.8 MHz Multifrequency Phase Array Sector Probe
Model No.PSU-30BT with three THI frequency for Adults.
- 3.0 to 6.0 MHz Multifrequency Phase Array Sector Probe
Model No.PSU-50BT with three THI frequency for Pediatrics.
- 7.2 to 18.0 MHz Multifrequency Linear Probe with THI
Model No.PLU-1204BT for B, M, B/M, PW and color mode.

SPECIAL SOFTWARES:

- THI (Tissue Harmonic Imaging) without contrast with 4 harmonic frequencies.
- Panoramic view imaging with measurements.
- Pulse subtraction / Pulse Inversion Harmonic Imaging.
- Quick Scan enables automatic gain / Auto optimization. and STC control for B mode as well as Velocity range and Base line shift control for Spectrum Doppler.
- Advance Dynamic Flow (ADF).
- Tissue Doppler imaging mode with Pulse Wave TDI.
- Tissue Harmonic imaging to enhance effective wide band frequency range to provide simultaneously spatial resolution ,contrast resolution and increased penetration using two transmission pulses at different frequencies simultaneously and reception at well as differential component.
- Dynamic Flow imaging.
- Trapezoid Imaging.
- ApliPure for Compound Imaging of frequency and Spatial resolution for greater clarity and to reduce the speckle noise on B/W image.
- Precision Imaging for continuous structure Smoothly without scarified in detailed tissue information and provide more clarity in imaging.
- Stress Echo.
- Contrast Harmonic Imaging.

OPTIONAL:

- | | | |
|--|--|--|
| - 2.5 to 7.5 MHz Multifrequency TEE Probe
Model No.PET-512MA for Adult Studies. | (1 No.) US\$ 36,000-
(USD Thirty Six Thousand only) | RS.4,500,000-
(Rupees Forty Five Lacs only) |
| - 4.2 to 8.5 MHz Multifrequency Sector Probe
Model No.PSU-70BT for Neonate Studies. | (1 No.) US\$ 8,000-
(USD Eight Thousand only) | RS.980,000-
(Rupees Nine Lacs Eighty Thousand only) |
| - Shear Wave Elastography Kit
for Live Shearwave Elastography
Quantification for Body Organs
Specially Liver with Convex & Linear Probes
to Visualize Tissue Stiffness by Generating | (1No.) US\$ 9,000-
(USD Nine Thousand only) | RS.1,100,000-
(Rupees Eleven Lacs only) |




Images through Shear Wave Propagation,
speed and elasticity modes .

- | | | | |
|--|--------|-------------------------|--------------------------|
| - Needle Navigation/Needle BEAM.
Enhancement for needle tracking for
Interventional Procedure. | (1No.) | US\$ 2,000- | RS.300,000- |
| | | (USD Two Thousand only) | (Rupees Three Lacs only) |

B-MODE SPECIFICATION

- Scan Angle and Scan Width
Adjustment of the field width (scan width, scan angle).
- Viewing Depth: 40 cm
- Frame Rate: 1019 fps
- Built-in Cine Image memory Kit (4095 frames)
- Real Time and Freeze Image Magnification 27.1 Times

M-MODE SPECIFICATION

- Image Magnification: 27.1 Times
- M Sweep Speed (Slow, Medium, Fast)
- M-Mode Color Display

DOPPLE MODE SPECIFICATION

- PW Doppler
- CW Doppler with CW kit.
Measurable Velocity Range Steerable.
Doppler Beam Steering and Bi-Directional Audio.
- HPRF Doppler
- Colorized Spectrum Display.
- Maximum Detectable velocity range.
- Doppler Pulse Repetition Frequency (PRF) :
PWD : 0.3 kHz to 52.1 kHz
CWD (depends upon probe) : 1.4 kHz to 52.1 kHz
- Doppler Color Display(C Map)
- Automatic Baseline and velocity range control.
- Live measurements for Doppler spectrum(Auto Measurement)
- Sample Volume 1-20mm.

COLOR DOPPELR MODE SPECIFICATION

- Both CW and PW Doppler continuous steerable in the color blood flow imaging mode in real time.
- 2D image with Color, CW and PW mode
- Windows based system for easy usage with Programmable Control panel Keys.
- Power Doppler.
- Tissue Harmonic Imaging with 4 THI frequencies.
- Triplex Mode / Simultaneous Display (B/M/D)
- 260dB Dynamic range.
- Independent steering of color box and linear BEAM.



MEASUREMENTS PACKAGE

- Measurement of Distance, Circumference, Area, Time, Depth, Angle, IMT, Velocity, Frequency, Heart Rate, Volume, Nuchal Thickness/ Measurement, E.F, F.S, cardiac output, pressure gradients.

STORAGE INTERFACE AND EXTERNAL OUTPUT:

- Audio & Video output composite and SVHS.
- 4-USB Ports.
- Ethernet/LAN Connectivity(optional)
- Built-in CD/DVD Drive.

FEATURES:

- 1- LATEST DIGITAL TECHNOLOGY has been employed for processing the images in real time at high speed. The system provides clear and sharp images in Temporal, Axial and lateral direction.
- 2- XARIO 200 HAS BEEN planned and developed by focusing on the four points that comprise the workflow of an ultrasonographic examination; Navigation, Visualization, Quantification, and Communication
- 3- THE EASY-TO-OPERATE control panel is adjustable Up/Down and in combination with the large color TCS, provides excellent operability. In addition, new transducer shapes and a new screen layout on the 19-inches monitor reduce strain on the user during extended examination.
- 4- VISUALIZATION; High quality B-mode imaging is supported by the newly-developed Pulse Subtraction THI, while visualization of small blood vessels is supported by the Advanced Dynamic Flow Technique.
- 5- QUANTIFICATION; A user friendly optimal measurement package and reporting function are provided for each application.
- 6- DIGITAL IMAGE OPTIMIZER automatically selects optimal parameters for each examinations.
- 7- TWO OR MORE IMAGE quality conditions can be changed simultaneously for 2D images.
- 8- TISSUE HARMONIC IMAGING is available with 4 frequencies for eliminating scattered noise.
- 9- MULTIFREQUENCY HIGH DENSITY DYNAMIC BEAM CONTROL with a single dial, allows the user to select the frequency between five different scanning frequency and facilitate the user to concentrate on diagnostic characteristics.
- 10- APLIPURE for Compound Imaging of frequency and Spatial resolution for greater clarity and noise free imaging.
- 11- QUICKSCAN enables automatic gain and STC control for



Medequips (SMC)

Continuation Sheet

- B mode as well as Velocity range and Base line shift control for Spectrum Doppler.
- 12- LIVE ELASTOGRAPHY (option) display the elasticity of tissue which Helps to diagnose malignant and Benin pathology.

SPECIFICATIONS:

Scanning Method : - Electronic Sector (option)
- Electronic Convex
- Electronic Linear with Independent PV steering.

B-mode specifications:

Viewing depth: Max. 40cm.
Scan Angle / Scan Width: Variable in steps.

M-mode specifications:

M-mode display : Scrolling with 8 Speeds
Magnification / Zoom : More than 8X
Color Display of M-Mode.

DISPLAY MODES:

B/M Scan mode:
a) B(Single / Dual) (b) B/M (c) M

COLOR DOPPLER MODE:

a) BDF (Single/dual) BDF/MDF, BDF/MDF/D, MDF/D, BDF/D, MDF CWD (depends upon probe) and PWD are continuously steerable in the color blood flow image mode in real time.

D-MODE SPECIFICATIONS:

a) B (b) B/M/D (c) B/D (d) M/D (e) D
PWD, HPRF, and CWD (depends upon probe)
With window function contrast control and base shift facilities, Auto PRF facility.

OPERATING MODE:

B, 2D, M-Mode, Power Doppler, IPRF, Spectral Doppler, PW Doppler, Duplex & Triplex Mode, Color Doppler, Tissue Doppler Imaging, Panoramic Imaging, Compound Imaging, 3D / 4D Imaging (option).

CERTIFICATIONS: FDA 510K, CE MARKED & MHLW

COUNTRY OF ORIGIN: TOSHIBA (CANON) MEDICAL SYSTEMS CORPORATION JAPAN

29- ULTRASOUND MACHINE **01** **US\$ 80,000-** **Rs.10,700,000-**
 (USD Eighty Thousand only) (Rupees One Crore Seven Lacs only)

Toshiba's (A Canon Group Company)

Fully Digital Beam Former High Resolution Trolley
 Mounted Diagnostic Color Doppler System "**Aplio-300 Platinum**"
 with 192 transmitting channels with 12 -Bit A/D Conversion, Beam processing
 Channel 800,000, Fully Digital Beam former having 2D / M -Mode and Doppler Facilities,
 (PW, HPRF, & Color Flow Imaging) with High Resolution Imaging Doppler
 Signal Quality; having DICOM Compatibility and Upgradeable to CW, General
 applications, abdomen, OB, GYN, peripheral vessel, small part, musculoskeletal
 system, urology, rectal, vaginal, pediatrics, cardiac and interventional ultrasound
 applications, support quantitative analysis.

SYSTEM COMPOSITION:

- Main unit TUS-A300.
- Trolley mounted system.
- 19 -inches high resolution non-interlaced monitor, special for medical.
Resolution: 1280 x 1024.
- 10.4" touch control panel screen to control parameters.
- 4-active transducer connectors for transthoracic pencil probe.
- 1000(500 x 2) GB Hard Drive.
- Color Doppler.
- Pulse Wave doppler.
- Continuous Wave Doppler.
- Power Doppler.
- Built in CD/DVD drive.
- HPRF Doppler.
- Duplex / triplex mode.
- DICOM media storage.
- Workstation software.
- Thermal Printer*
- Online UPS*.

PROBES:

- 1.9 to 6.0 MHz Multifrequency Convex Probe.
Model No. PVT-375BT.
- 7.2 to 18 MHz Multifrequency Linear Probe.
Model No. PLT-1204BT.
- 4.0 to 9.0 MHz Multifrequency Transvaginal Probe.
Model No. PVT-781VTE.
- 2.0 to 4.8 MHz Multifrequency Phase Array Probe.
Model No. PST-30BT
- 1.8 to 5.0 MHz Micro Convex Multifrequency Probe.
Model No. PVT-382BT.

- 1.9 to 6.0 MHz 4D Convex Probe.
Model No. PVT-375MV

SPECIAL SOFTWARES:

- THI (Tissue Harmonic Imaging) without contrast with 4 harmonic frequencies.
- Panoramic view imaging with measurements.
- Quick Scan enables automatic gain and STC control for B mode as well as Velocity range and Base line shift control for Spectrum Doppler.
- Advance Dynamic Flow (ADF).
- Tissue Doppler imaging mode with Pulse Wave TDI.
- Quick Scan for auto image optimization.
- Dynamic Flow imaging.
- Trapezoid Imaging.
- ApliPure for Compound Imaging of frequency and Spatial resolution for greater clarity and to reduce the speckle noise on B/W image.
- Precision Imaging for continuous structure Smoothly without scarified in detailed tissue information and provide more clarity in imaging.
- 3D/4D software.
- Workstation for review* / Dicom viewer*.

OTHER SPECIFICATIONS:

- Cine image memory: 960mb.
- Power: ac 220v±10%, 50hz±1hz
- Gray scale: imaging digital two-dimensional gray scale imaging unit
- Color Doppler imaging: Digital Color Doppler imaging unit, including CFM,
- Doppler measurement: manual, automatic, quantitative, semi-quantitative Calculation, automatic and real-time Doppler spectral measurement.
- 2D deflection: left/right deflection imaging (linear probe).
- Real-time contrast of imaging of 2D and color Doppler: real-time contrast and observation of two dimensional image and color Doppler image.
- Duplex & triplex imaging
- Integration of three-dimensional imaging support 3D and 4D.
- Super broadband multi-frequency probe.
- Biopsy guide.
- 2D image parameters
- Frequency range: 2.0Mhz - 16.0 Mhz. 2d working frequency can be displayed by figure and adjusted separately.
- Display mode: B, B/B, 4B, B/M, M mode in real-time and freeze state.
- Gray scale: 256.
- Dynamic range 300dB
- Scan line control of M type: M mode scanning line capable of rotating
- Gain adjustment: B/M,B/D/ can be adjusted separately.
- TGC: 8 bands





- Image Magnification 27.1 times.
- Maximum Depth 40cm.
- Spectral Doppler.
- Doppler Pulse Repetition Frequency (PRF)
PWD: 0.3 kHz to 52.1 kHz
CWD: 1.4 kHz to 52.1 kHz.
- Sampling width: Maximum 20 mm
- Display control: reverse display (left/right, up/down), baseline adjustable up and down.
- Frame rate 1087 fps.
- Maximum Depth 40 cm.
- Display control: baseline adjustable
- Archiving and record management system Hard drive, DVD writer, USB storage, built-in ultrasound workstation system (create, store, modify, inquire and print the patient report., which also has expert thesaurus, report templates.
- Bodymark different types Probe dependent.
- Acoustic power adjustable.
- Interface: different languages (english, french), hospital name, patient id, name, gender, age, date, time, probe model, probe frequency, focus, gain, depth.
- Data communication: Dicom3.0, USB ports, DVD writer.
Signal input and output: S-Video, USB digital signal, VGA, ECG
Rs-232. Support PAL, NTSC video standard, analog video printer.
- Software: powerful measurement software package,

FEATURES:

- 1- LATEST DIGITAL TECHNOLOGY has been employed for processing the images in real time at high speed. The system provides clear and sharp images in Temporal, Axial and lateral direction.
- 2- APLIO 300 HAS BEEN planned and developed by focusing on the four points that comprise the workflow of an ultrasonographic examination; Navigation, Visualization, Quantification, and Communication.
- 3- THE EASY-TO-OPERATE control panel is adjustable Up/Down and in combination with the large color TCS, provides excellent operability. In addition, new transducer shapes and a new screen layout on the 19-inches monitor reduce strain on the user during extended examination.
- 4- VISUALIZATION; High quality B-mode imaging is supported by the newly-developed Pulse Subtraction THI, while visualization of small blood vessels is supported by the Advanced Dynamic Flow Technique.
- 5- QUANTIFICATION; A user friendly optimal measurement package and reporting function are provided for each application.
- 6- DIGITAL IMAGE OPTIMIZER automatically selects optimal parameters for each examinations.
- 7- TWO OR MORE IMAGE quality conditions can be

Toshiba's (A Canon Group Company)

Fully Digital Beam Former High Resolution Trolley Mounted Diagnostic Color Doppler System "*Aplio-300 Platinum*" with 192 transmitting channels with 12 -Bit A/D Conversion, Beam processing Channel 800,000, Fully Digital Beam former having 2D / M -Mode and Doppler Facilities, (PW, HPRF, & Color Flow Imaging) with High Resolution Imaging Doppler Signal Quality; having DICOM Compatibility and Upgradeable to CW, General applications, abdomen, OB, GYN, peripheral vessel, small part, musculoskeletal system, urology, rectal, vaginal, pediatrics, cardiac and interventional ultrasound applications, support quantitative analysis.

SYSTEM COMPOSITION:

- Main unit TUS-A300.
- Trolley mounted system.
- 19 -inches high resolution non-interlaced monitor, special for medical. Resolution: 1280 x 1024.
- 10.4" touch control panel screen to control parameters.
- 4-active transducer connectors for transthoracic pencil probe.
- 1000(500 x 2) GB Hard Drive.
- Color Doppler.
- Pulse Wave doppler.
- Continuous Wave Doppler.
- Power Doppler.
- Built in CD/DVD drive.
- HPRF Doppler.
- Duplex / triplex mode.
- DICOM media storage.
- Workstation software.
- Thermal Printer*
- Online UPS*.

PROBES:

- 1.9 to 6.0 MHz Multifrequency Convex Probe. Model No. PVT-375BT.
- 7.2 to 18 MHz Multifrequency Linear Probe. Model No. PLT-1204BT.
- 4.0 to 9.0 MHz Multifrequency Transvaginal Probe. Model No. PVT-781VTE.
- 2.0 to 4.8 MHz Multifrequency Phase Array Probe. Model No. PST-30BT
- 1.8 to 5.0 MHz Micro Convex Multifrequency Probe. Model No. PVT-382BT.

- changed simultaneously for 2D images.
- 8- TISSUE HARMONIC IMAGING is available with 4 frequencies for eliminating scattered noise.
- 9- MULTIFREQUENCY HIGH DENSITY DYNAMIC BEAM CONTROL with a single dial, allows the user to select the frequency between five different scanning frequency and facilitate the user to concentrate on diagnostic characteristics.
- 10- APLIPURE for Compound Imaging of frequency and Spatial resolution for greater clarity and noise free imaging.
- 11- QUICKSCAN enables automatic gain and STC control for B mode as well as Velocity range and Base line shift control for Spectrum Doppler.
- 12- LIVE ELASTOGRAPHY (option) display the elasticity of tissue which Helps to diagnose malignant and Benin pathology.

SPECIFICATIONS:

Scanning Method : - Electronic Sector (option)
 - Electronic Convex
 - Electronic Linear with Independent PV steering.

B-mode specifications:

Viewing depth: Max. 40cm.
 Scan Angle / Scan Width: Variable in steps.

M-mode specifications:

M-mode display : Scrolling with 8 Speeds
 Magnification / Zoom : More than 8X
 Color Display of M-Mode.

DISPLAY MODES:

B/M Scan mode:
 a) B(Single / Dual) (b) B/M (c) M

COLOR DOPPLER MODE:

a) BDF (Single/dual) BDF/MDF, BDF/MDF/D, MDF/D, BDF/D, MDF CWD (depends upon probe) and PWD are continuously steerable in the color blood flow image mode in real time.

D-MODE SPECIFICATIONS:

a) B (b) B/M/D (c) B/D (d) M/D (e) D
 PWD, HPRF, and CWD (depends upon probe)
 With window function contrast control and base shift facilities, Auto PRF facility.

OPERATING MODE:

B, 2D, M-Mode, Power Doppler, HPRF, Spectral Doppler, PW Doppler, Duplex & Triplex Mode, Color Doppler, Tissue Doppler Imaging, Panoramic Imaging, Compound Imaging, 3D / 4D Imaging (option).

32- LAPTOP COLOR DOPPLER **01** **US\$ 40,000-** **Rs.5,100,000-**
ULTRASOUND MACHINE **(USD Forty Thousand only)** **(Rupees Fifty One Lacs only)**

Toshiba's (A Cannon Group Company)
 Fully Digital Hand Carried
 Color Doppler Ultrasound System
 Model **Viamo c100** with multi frequency probes,
 having following System Composition:

SYSTEM COMPOSITION:

- Main Unit.
- 15" High Resolution LCD Monitor.
- Color Doppler Imaging.
- Pulse Wave Doppler..
- Power Doppler.
- Continuous Wave Doppler (Probe dependent)
- Built-in Battery for 2 hours of system operation.
- Wireless Lan Kit.
- 1 Active Probe connector.
- Super Needle software for display of the needle can be enhanced in the image and the enhancement level can be adjusted.
- Tissue Harmonic Imaging (THI).
- Tissue Doppler Imaging
- Power Doppler Imaging.
- Storage media for better standard image storage capacity / 500GB.

PROBE:

- 2.0 to 6.8 MHz Multifrequency
Convex Probe Model PVU-366ST.
- 4.0 to 15.0 MHz Multifrequency
Linear Probe PLU-704RST

SPECIAL SOFTWARE:

- Quick Scan for Automatically adjustment of STC & Gain with one touch button.
- TwinView for Simultaneous dual-screen display.
- V-Pure reduces ultrasound wave interference within tissues, which appear as speckle patterns or speckle noise on 2D images, speckle noise reduction.



OTHER SPECIFICATIONS

- Ergonomic design with anti-glare, 180 degree opening angle screen.
- Quick Scan One Button for automatic image optimization.
- Large image display region
- Anti-reflective screen and auto brightness adjustment.
- User-defined Operations
- Compact design and light weight 5.9 kg.
- DICOM software.
- 2 USB ports.
- S-Video.
- External connecting port.
- Quick boot up 8 second.
- Enhanced accuracy due to high sensitive Doppler detection for low flow vessels/Power Doppler.
- Application fields: Abdomen, Vascular, Cardiology, Gynecological/Obstetrical, Urology, Musculoskeletal, Interventional ultrasound, Small parts, Anesthesiology, Pediatrics etc.
- IMT measurement.
- Spectral Doppler/Spectrum Doppler Auto-trace.
- Multi-beam processing technology,
- M Mode
- Twins View (B-Mode and Color-Mode dual live)
- 2D/D Simultaneous mode.
- B Mode Panoramic
- Doppler Pulse Repetition Frequency.
- Auto calculation (Auto Trace)

FEATURES:**HIGH-QUALITY MONITOR**

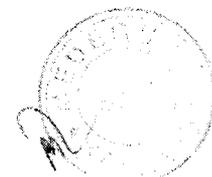
Viamo c100 has a 15-inch wide viewing angle monitor which is not affected by external light sources or reflections. In addition, the screen's auto-brightness function allows automatic adjustment of the LCD backlight depending on the lighting conditions in the scanning environment, ensuring optimal visibility at all times.

COMPACT DESIGN

Viamo c100 weighs only 5.9 kg. making it suitable for hand-carrying it to remote locations. The system provides the ideal solution for hospitals and clinics in need for ultrasound capabilities which are not limited by the size of equipment and boundaries of the facility.

OPERABILITY

Simplified controls and optimized operability enhance clinical workflow for any hospital or clinic.



Toshiba's (A Cannon Group Company)

Fully Digital Hand Carried
Color Doppler Ultrasound System
Model **Viamo c100** with multi frequency probes,
having following System Composition:

SYSTEM COMPOSITION:

- Main Unit.
- 15" High Resolution LCD Monitor.
- Color Doppler Imaging.
- Pulse Wave Doppler..
- Power Doppler.
- Continuous Wave Doppler (Probe dependent)
- Built-in Battery for 2 hours of system operation.
- Wireless Lan Kit.
- 1 Active Probe connector.
- Super Needle software for display of the needle can be enhanced in the image and the enhancement level can be adjusted.
- Tissue Harmonic Imaging (THI).
- Tissue Doppler Imaging
- Power Doppler Imaging.
- Storage media for better standard image storage capacity / 500GB.

PROBE:

- 2.0 to 6.8 MHz Multifrequency
Convex Probe Model PVU-366ST.
- 4.0 to 15.0 MHz Multifrequency
Linear Probe PLU-704RST

SPECIAL SOFTWARE:

- Quick Scan for Automatically adjustment
of STC & Gain with one touch button.
- TwinView for Simultaneous dual-screen display.
- V-Pure reduces ultrasound wave interference within
tissues, which appear as speckle patterns or speckle
noise on 2D images, speckle noise reduction.



EXCELLENT PORTABILITY

Viamo c100 features a high capacity battery that allows 2 hours of system operation. Regardless of whether the system is used within the hospital or outside, examinations can be performed at locations where access to electrical power is limited. It takes just 8 seconds to start an examination from the system's standby mode, saving time in critical situations. Its magnesium alloy housing is light and durable to support intensive usage during routine clinical practice.

OPTIMUM FLEXIBILITY WITH CART

Viamo c100 can be easily hand carried, but it can also be mounted on an optional cart. The **optional** transducer selector contains 3 ports to quickly switch between transducers according to the anatomical region to be examined. The height of the operating panel is adjustable between 62cm and over 90cm, enabling the operator to perform examinations in various postures. From sitting to standing scanning positions, Viamo c100 is designed to provide ergonomic relief for every user.

CERTIFICATIONS: CE MARKED & MHLW

COUNTRY OF ORIGIN: TOSHIBA (CANON) MEDICAL SYSTEMS CORPORATION JAPAN

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33) **RADIOGRAPHY SYSTEM WITH DR** 01 US\$ 155,000- Rs.19,600,000
 (USD One Lacs Fifty Five Thousand only) (Rupees One Crore Ninety Six Lacs only)

**Digital Radiography With
 Radiology Information System:**

TOSHIBA'S (A Canon Group Company)
 T50kW Static X-Ray System
 Model: "RADREX MRAD-A50S/G6" with Floor to
 Ceiling Type Tube Support Comprising:

- ◆ X-RAY GENERATOR MODEL KXO-50SS:
 - Microprocessor Controlled.
 - High Frequency Inverter Generator; 58KHz
 - Generator Power; 50kW
 - Radiographic Output; 500mA at 100kV.
 - Digital Increase of kV, mA, & Time.
 - Radiographic Tube Voltage (kV)
 Setting Range; 40kV to 150kV, 1kV Steps.
 - mAs range : more than 0.5 ~ 500mAs.
 - Radiographic Tube Current
 Setting Range: (10-630mA) 10, 20, 50, 100, 160, 200,
 250, 320, 400, 500, 630mA
 - Radiographic rating:
 630ma/50kV to 80kV (0.1 sec.)
 500mA 40kV to 100kV (0.1 Sec.)
 320ma 40kV to 150kV (0.1 sec.)
 - Easy to Read Digital Display for
 mA, kV and Time.
 - User Programming Functions/
 Anatomic Programmed
 Radiography; 8-Program Selection Switches are
 provided for each Radiographic region
 and 10,000 Programs in total can be programmed.
 (user can change the program)
 In addition, 4-Physiques can be selected using
 the physique selection switches, and total of
 256 radiographic conditions can be programmed.
 - Exposure Time: 0.001 to 9.0 Sec. (1msec to 9 sec).
 - Automatic Overload Protection and Automatic
 Line Compensation of $\pm 10\%$.
 - KVP and mAs selection. 3 point KVP, mA and time selection.
 - Three Phase; 380/415/440V.
- ◆ ROTATING ANODE X-RAY TUBE
 MODEL DRX-3724HD:
 Focal Spot: 0.6mm / 1.2mm
 Anode Heat Capacity: 210 kJ (300 kHU)



Maximum Rating: 40 kW / 100 kW.

Maximum tube voltage: 150 KVP

◆ **FLOOR MOUNTED TUBE COLUMN STAND**

TUBE STAND MODEL DS-TA-5A:

Floor-to-Ceiling Type X-Ray Tube support.

- Tube support balancing System with counterweights and Electromagnetic brakes.
- Control panel with push button to control vertical, longitudinal and transverse travel.
- Rotation of tube – collimator assembly +/-180°
- Longitudinal Movement: 250cm (2500mm).
- Lateral Movement: 40 cm (400mm).
- Vertical Movement: 166 cm (1660 mm) (400-2340mm)
- Electro-Magnetic Brakes.

◆ **BALANCE WEIGHT MODEL TAW-512.**

◆ **PAIR HIGH VOLTAGE CABLE MODEL HC-150DCW (10 meters).**

◆ **BEAM LIMITING DEVICE MODEL BLR-1000A (Manual).**

Multileaf (4 leafs collimator)

LED light indicator for alignment with bucky.

◆ **FOUR WAY FLOATING TOP BUCKY**

TABLE MODEL FBT-10A:

- Cassette Size : 18 x 24cm to 35 x 43cm
(8" x 10" to 14" x 17")
- Floating Stroke : Longitudinal 90cm (900mm).
Lateral ±12cm (240mm).
- Bucky device : Oscillating grid.
- Longitudnal travel of bucky: +/-500mm (Total 1000mm)
- Grid ratio : 12:1 (40 lines/sec)
- Electromagnetic brakes

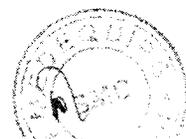
◆ **WALL CHEST VERTICAL BUCKY STAND**

MODEL BS-02A CONSISTING OF COLUMN ASSEMBLY AND IMAGE RECEPTOR:

- Fixed to the floor and wall having counter weight for counter balance for soft vertical movement.
- Distance From the Front Panel of the Bucky Device to the Film : 3.2cm
- Vertical Movement of the Bucky Device : approx. 1876 MM (187.6CM) from floor to top end of bucky device.
- Compatible Cassette Size : 18cm x 24cm to 35cm x 43cm (8" x 10" to 14" x 17").
- Bucky Device Movement and Lock : Counterweight and Electromagnetic Lock
- Grid Movement : Oscillating Motion System.
- Grid ratio : 12:1
- Cassette holder size upt 35x43cm
- Mechanical lock for vertical movement and positional as per PF requirement.
- Handle to the lock at side of carriage.

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**Digital Radiography With
Radiology Information System:**

TOSHIBA'S (A Canon Group Company)
T50kW Static X-Ray System
Model: "RADREX MRAD-A50S/G6" with Floor to
Ceiling Type Tube Support Comprising:

- ◆ X-RAY GENERATOR MODEL KXO-50SS:
 - Microprocessor Controlled.
 - High Frequency Inverter Generator; 58KHz
 - Generator Power; 50kW
 - Radiographic Output; 500mA at 100kV.
 - Digital Increase of kV, mA, & Time.
 - Radiographic Tube Voltage (kV)
Setting Range; 40kV to 150kV, 1kV Steps.
 - mAs range : more than 0.5 ~ 500mAs.
 - Radiographic Tube Current
Setting Range: (10-630mA) 10, 20, 50, 100, 160, 200,
250, 320, 400, 500, 630mA
 - Radiographic rating:
630ma/50kV to 80kV (0.1 sec.)
500mA 40kV to 100kV (0.1 Sec.)
320ma 40kV to 150kV (0.1 sec.)
 - Easy to Read Digital Display for
mA, kV and Time.
 - User Programming Functions/
Anatomic Programmed
Radiography; 8-Program Selection Switches are
provided for each Radiographic region
and 10,000 Programs in total can be programmed.
(user can change the program)
In addition, 4-Physiques can be selected using
the physique selection switches, and total of
256 radiographic conditions can be programmed.
 - Exposure Time: 0.001 to 9.0 Sec. (1msec to 9 sec).
 - Automatic Overload Protection and Automatic
Line Compensation of $\pm 10\%$.
 - KVP and mAs selection. 3 point KVP, mA and time selection.
 - Three Phase; 380/415/440V.
- ◆ ROTATING ANODE X-RAY TUBE
MODEL DRX-3724HD:
Focal Spot: 0.6mm / 1.2mm
Anode Heat Capacity: 210 kJ (300 KHU)



- **Radiology information System (RIS*) for 3-4 modalities**

FLAT PANEL DETECTORS (02 Nos.)
(One for table bucky and one for chest bucky)

Konica Digital Radiography Panels (DR) Model Aero DR

Flat Panel Detector, 43x43 (430mm x 439mm)
Cesium Iodide (CsI) with amorphous silicon
Pixel Pitch: 175µm x 175 µm
Active Pixels: 2428 (v) x 2428 (h) or better
Detective Quantum Efficiency (DQE): more than 70%
A/D Conversion: 16 bits
Complete with workstation and viewing software
Processor : Intel i5-4590 or better

Memory : 4GB

Hard Drive : 500GB

Adapter Card, Ethernet card

Complete with Color monitor 21" *, mouse, key board,

DICOM compliance: DICOM 3.0
DICOM work list from HIS/RIS
DICOM sent, DICOM image print

Software :

Input patient data : Selection of exam, study , procedure , patient ID Name, Age, Sex & ID)
Setting of x-ray exposures /10,000 user control anatomical programs.
Image processing software
Software for digital radiographic image in DICOM format :
Improve image contrast / Brightness.
Adjust dynamic range and auto gray scale processing
Reduce the noise /Frequency filter.

Image Processing:

Automatic Gradation Processing (G Processing), Frequency Processing (F Processing)
Equalization Processing (E Processing), Hybrid Processing (H Processing)
Hybrid Smooth Processing (HS Processing)

CERTIFICATIONS: FDA/CE/MHLW/JIS

MANUFACTURER : TOSHIBA (CANON) MEDICAL SYSTEMS CORPORATION, JAPAN
KONICA MINOLTA GRAPHICS INCORPORATED JAPAN

38-	DOPPLER ULTRASOUND MACHINE WITH THREE PROBE	01	US\$ 40,000 (USD Forty Thousand only)	Rs.5,100,000- (Rupees Fifty One Lacs only)
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DOPPLER ULTRASOUND MACHINE WITH THREE PROBE

Toshiba's (A Canon Group Company)

Fully Digital Beam Former High Resolution Trolley Mounted Diagnostic Color Doppler System "Xario 100 MX" with 128 transmitting channels with 12 -Bit A/D Conversion and 150,000 processing channel, Fully Digital Beam former having 2D / M -Mode and Doppler Facilities,(PW, HPRF, & Color Flow Imaging) with High Resolution Imaging Doppler Signal Quality; having DICOM Compatibility.

SYSTEM COMPOSITION:

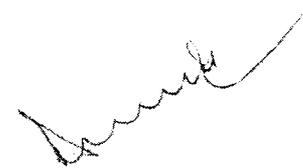
- Main Unit TUS-X100.
- Trolley Mounted System.
- 19-Inches High Resolution tiltable and swivel type Color LCD Monitor.
- 4-Active Transducer Connectors including pencil probe connector.
- Color Doppler Imaging Unit.
- PW Doppler.
- Trolley based Ultrasound color Doppler Machine
- Foot Switch port.
- 500GB Hard Drive.
- DVD ROM for data retrieval/transfer.
- ECG Module with ECG lead (Probe dependent).
- Built-in Cine Image memory Kit (4095 frames)
- Tissue Harmonic Imaging Mode (TDI).
- Biopsy guidance with multiple angle selection.
- Power Doppler Mode.
- Pulsed Wave Doppler.
- Continuous Wave Doppler (Probe dependent).
- B/W Thermal Printer (to be supplied locally).
- Online UPS for backup (to be supplied locally).

PROBES:

- 1.9 to 6.0 MHz Multifrequency Convex Probe.
Model No. PVU-375BT.
- 4.8 to 11.0 MHz Multifrequency Linear Probe.
Model No. PLU-704BT.
- 4.0 to 11.0 MHz Multifrequency Transvaginal Probe with (THI).
Model No. PVU-781VTE.

SPECIAL SOFTWARES:

- THI (Tissue Harmonic Imaging) without contrast with 4 harmonic frequencies.


- Smart 3D software.
- Quick Scan enables automatic gain and STC control for B mode as well as Velocity range and Base line shift control for Spectrum Doppler.
- Advanced compression Elastography / Elastography Linear Tissue stiffness can be visualized based on the changes in velocity resulting from physical compression and decompression of the target region..
- Advanced speckle and artifacts reduction technology/ ApliPure for Compound Imaging of frequency and Spatial resolution for greater clarity and to reduce the speckle noise on B/W image.
- Precision Imaging for continuous structure Smoothly without scarified in detailed tissue information and provide more clarity in imaging.
- Smart 3D software.

OTHER SPECIFICATIONS:

- 4 USB Ports.
- S-Video connection port
- Video In/Out ports,
- VGA connection port.
- Doppler Pulse Repetition Frequency (PRF) :
 PWD : 0.3 kHz to 52.1 kHz
 CWD (depends upon probe) : 1.4 kHz to 52.1 kHz
- Sampling Width: 1-20mm.
- Dynamic Range: 260dB
- Scanning Depth: 40cm
- Frame Rate 1019 fps
- Cine memory: 340 MB.
- High Pulse Repetition Frequency technology.
- Multi-beam processing technology.
- M Mode.
- Auto Trace.
- B Mode, 2D Mode, 4B Mode.
- Color Flow Mode.
- Measurement and Review software:
 Basic B mode, Basic M mode, Basic spectral Doppler (PW) mode, Color flow volume, Cardiology package, vascular package, Pediatrics package, Urology package, MSK package, Abdomen package, Small parts package,
- Patient data management system.
- Review software for stored images and information of patients for reporting, printing and analyzing for later.

FEATURES:

- I- LATEST DIGITAL TECHNOLOGY has been employed for processing the images in real time at high speed. The system

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Medequips (SMC)

- provides clear and sharp images in Temporal, Axial and lateral direction.
- 2- XARIO 100 HAS BEEN planned and developed by focusing on the four points that comprise the workflow of an ultrasonographic examination; Navigation, Visualization, Quantification, and Communication.
 - 3- THE EASY-TO-OPERATE control panel is adjustable Up/Down and in combination with the large color TCS, provides excellent operability. In addition, new transducer shapes and a new screen layout on the 19-inches monitor reduce strain on the user during extended examination.
 - 4- VISUALIZATION; High quality B-mode imaging is supported by the newly-developed Pulse Subtraction THI, while visualization of small blood vessels is supported by the Advanced Dynamic Flow Technique.
 - 5- QUANTIFICATION; A user friendly optimal measurement package and reporting function are provided for each application.
 - 6- DIGITAL IMAGE OPTIMIZER automatically selects optimal parameters for each examinations.
 - 7- TWO OR MORE IMAGE quality conditions can be changed simultaneously for 2D images.
 - 8- TISSUE HARMONIC IMAGING is available with 4 frequencies for eliminating scattered noise.
 - 9- MULTIFREQUENCY HIGH DENSITY DYNAMIC BEAM CONTROL with a single dial, allows the user to select the frequency between five different scanning frequency and facilitate the user to concentrate on diagnostic characteristics.
 - 10- APLIPURE for Compound Imaging of frequency and Spatial resolution for greater clarity and noise free imaging.
 - 11- QUICKSCAN enables automatic gain and STC control for B mode as well as Velocity range and Base line shift control for Spectrum Doppler.
 - 12- LIVE ELASTOGRAPHY (option) display the elasticity of tissue which Helps to diagnose malignant and Benin pathology.

SPECIFICATIONS:

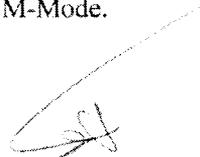
Scanning Method : - Electronic Sector (option)
 - Electronic Convex
 - Electronic Linear with Independent PV steering.

B-mode specifications:

Viewing depth: Max. 40cm.
 Scan Angle / Scan Width: Variable in steps.

M-mode specifications:

M-mode display : Scrolling with 8 Speeds
 Magnification / Zoom : More than 8X
 Color Display of M-Mode.





DOPPLER ULTRASOUND MACHINE WITH THREE PROBE**Toshiba's (A Canon Group Company)**

Fully Digital Beam Former High Resolution Trolley Mounted Diagnostic Color Doppler System "Xario 100 MX" with 128 transmitting channels with 12 -Bit A/D Conversion and 150,000 processing channel, Fully Digital Beam former having 2D / M -Mode and Doppler Facilities,(PW, HPRF, & Color Flow Imaging) with High Resolution Imaging Doppler Signal Quality; having DICOM Compatibility.

SYSTEM COMPOSITION:

- Main Unit TUS-X100.
- Trolley Mounted System.
- 19-Inches High Resolution tiltable and swivel type Color LCD Monitor.
- 4-Active Transducer Connectors including pencil probe connector.
- Color Doppler Imaging Unit.
- PW Doppler.
- Trolley based Ultrasound color Doppler Machine
- Foot Switch port.
- 500GB Hard Drive.
- DVD ROM for data retrieval/transfer.
- ECG Module with ECG lead (Probe dependent).
- Built-in Cine Image memory Kit (4095 frames)
- Tissue Harmonic Imaging Mode (TDI).
- Biopsy guidance with multiple angle selection.
- Power Doppler Mode.
- Pulsed Wave Doppler.
- Continuous Wave Doppler (Probe dependent).
- B/W Thermal Printer (to be supplied locally).
- Online UPS for backup (to be supplied locally).

PROBES:

- 1.9 to 6.0 MHz Multifrequency Convex Probe.
Model No. PVU-375BT.
- 4.8 to 11.0 MHz Multifrequency Linear Probe.
Model No. PLU-704BT.
- 4.0 to 11.0 MHz Multifrequency Transvaginal Probe with(THI).
Model No. PVU-781VTE.

SPECIAL SOFTWARES:

- THI (Tissue Harmonic Imaging) without contrast with 4 harmonic frequencies.




DISPLAY MODES:

B/M Scan mode:

- a) B(Single / Dual) (b) B/M (c) M

COLOR DOPPLER MODE:

a) BDF (Single/dual) BDF/MDF, BDF/MDF/D, MDF/D, BDF/D, MDF CWD (depends upon probe) and PWD are continuously steerable in the color blood flow image mode in real time.

D-MODE SPECIFICATIONS:

a) B (b) B/M/D (c) B/D (d) M/D (e) D
PWD, HPRF, and CWD (depends upon probe)
With window function contrast control and
base shift facilities, Auto PRF facility.

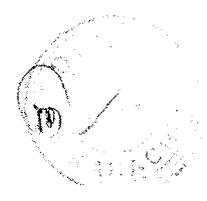
OPERATING MODE:

B, 2D, M-Mode, Power Doppler, HPRF, Spectral Doppler,
PW Doppler, Duplex & Triplex Mode, Color Doppler,
Tissue Doppler Imaging, Panoramic Imaging,
Compound Imaging, {3D / 4D imaging (option)}.

CERTIFICATIONS: FDA 510K, CE MARKED & MHLW

COUNTRY OF ORIGIN: TOSHIBA (CANON) MEDICAL SYSTEMS CORPORATIN JAPAN

[Handwritten signature and initials]



NOTE: ITEMS MARKED * WILL BE SHIPPED DIRECTLY BY THEIR MANUFACTURER / SHIPPING AGENT.

TERMS AND CONDITIONS:

- VALIDITY* : 90 days.
- DELIVERY/SHIPMENT:* Within 45 - 120 days or as early as possible after receipt of your firm order or receipt of your L/C by our Principal.
- F.O.R PAYMENT* : Preferred Through an inland L/C to be established in our favour / As usual.
- CIF PAYMENT* : Through an irrevocable letter of credit at sight to be established in favour of our Principals.
- WARRANTY* : As per tender enquiry.
- UPTIME* : As per tender enquiry.
- MANUFACTURER* : Toshiba (A Canon Group Company) Medical Systems Corporation, Japan.
Konica Minolta Graphics Incorporated Japan
Nihon Kohden Corporation, Japan

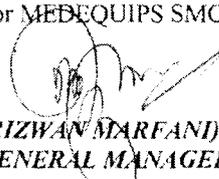
CERTIFICATES:

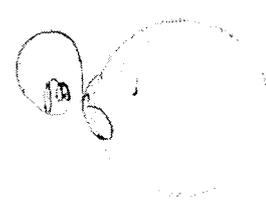
- 1) We hereby certify that the stores offered are brand new and in original packing. We also offer to give free replacement of the stores if the same are found to be sub-standard and or at variance with specification.
- 2) We confirm that we will provide spare parts at manufacturer's standard prices at least for the next ten years.
- 3) We certify that all Terms & Conditions mentioned in the tender are acceptable to us and we will abide them strictly.

FOLLOWING DOCUMENTS ARE ATTACHED:

- Original Bank guarantee No.HMBL/SQA/18/1385 dated 14-03-2018 for Rs.4.440,160-

Yours faithfully,
For MEDEQUIPS SMC


(RIZWAN MARFANI)
GENERAL MANAGER (SALES)



24- ICU BEDS ELCTRIC

10 US\$ 3,470 US\$ 34,700 Rs.465,000- Rs.4,650,000-
 (USD Thirty Four Thousand Seven Hundred only) (Rupees Forty Six Lacs Fifty Thousand only)

04-Motorized Electric Bed,

**Paramount Bed, Model CA-54380X 4 Motor
 with siderail integrated controller,
 X-ray and Total Locking caster.**

**Having positions (Back Raise, Knee Raise, Hi-Low Adjustment,
 Trendelenburg, Reverse Trendelenburg and Cardiac
 Chair Position) with X-ray radiolucent backrest**

Movements:

- **Stress saver raise**
 (Back raise to reduce stress on patient's body)
- Back Raise 0-70°
- Knee raise 0-25°
- Hi-low adjustment from 350mm to 700mm (Mattress base)
- Trendelenburg/Reverse Trendelenburg position 0 ±12°,
- **One button cardiac chair position**

Controls:

- Having Integrated (Built in side-rail) or separate handheld Controller to perform the various bed positions.

CPR Function:

- **Having both electric CPR function and Manual CPR function.**

Battery:

- Having Battery with low battery indicator. (Optional)

Side Rails:

- Side rail meeting safety standard of IEC 60601-2-52.
- **Anti-tampering Lock feature.** (Prevents patient from falling over when patient is attempting to lower the side rail by himself while laying on bed)
- Flexi Grip (grip on siderail to help patient to stand up more easier)
- Slide down with **Gas Spring shock absorber**

Mattress Base CE-025341E:

- **Made of steel**
- Seamless smooth surface for easy and quick cleaning.

Low Bed Height:

- **Having lowest bed height to 350 mm.** (Allows patient to place his heels firmly on the floor)



- **Having Bed height light indicator.** (To indicate its lowest height position)

Angle Indicator:

- Having angle indicator for back section at both sides. (The 30 degree marked out to assist in ventilator-associated Pneumonia and for other medical assistance)

Head/Foot Board:

- Will be secured to prevent accidental removal.

Roller Bumpers:

- Roller bumpers at each corner of bed.

IV Pole EC-562:

- Four adjustable hooks with height adjustment.
- Having facility to place the IV pole on each side of bed for urine and drainage bags etc.

Locking System:

- Having locking system with central pedal, and with see-saw pedal and three positions of "Free", "Lock" and "Steer".

Castor:

- Castor have 125 mm single wheel castor

Bed Dimensions should be:

- Bed Length 2200mm without extension.
- Bed Width 990mm
- Total height 755 mm to 1105 mm
- Mattress Base Height 350 mm to 700 mm

Mattress:

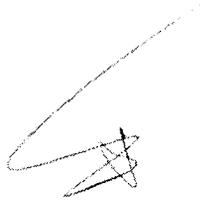
- Size: W: 860mm L: 2000mm
- Mattress Cover should be:
 - * MRSA anti-bacterial treated.
 - * Water proof surface and Flame retardant.
 - * Material: Cover Polyester/padding urethane foam.
- * Mattress must be manufactured by same company manufacturing beds.

Safe working load 230 KG.

Additional Accessories:

Bedside Table (Over Bed Table) CF-193:

- Height Adjustment through Gas Spring
- Castor: 40mm dia x 4pcs



04-Motorized Electric Bed,

**Paramount Bed, Model CA-54380X 4 Motor
with siderail integrated controller,
X-ray and Total Locking caster.**

**Having positions (Back Raise, Knee Raise, Hi-Low Adjustment,
Trendelenburg, Reverse Trendelenburg and Cardiac
Chair Position) with X-ray radiolucent backrest**

Movements:

- **Stress saver raise**
(Back raise to reduce stress on patient's body)
- Back Raise 0-70°
- Knee raise 0-25°
- Hi-low adjustment from 350mm to 700mm (Mattress base)
- Trendelenburg/Reverse Trendelenburg position 0 ±12°,
- **One button cardiac chair position**

Controls:

- Having Integrated (Built in side-rail) or separate handheld Controller to perform the various bed positions.

CPR Function:

- **Having both electric CPR function and Manual CPR function.**

Battery:

- Having Battery with low battery indicator. (Optional)

Side Rails:

- Side rail meeting safety standard of IEC 60601-2-52.
- **Anti-tampering Lock feature** (Prevents patient from falling over when patient is attempting to lower the side rail by himself while laying on bed)
- Flexi Grip (grip on siderail to help patient to stand up more easier)
- Slide down with **Gas Spring shock absorber**

Mattress Base CE-025341E:

- **Made of steel**
- Seamless smooth surface for easy and quick cleaning.

Low Bed Height:

- **Having lowest bed height to 350 mm.** (Allows patient to place his heels firmly on the floor)



Bedside Cabinet EF-570:

- o Pull out table included 40mm dia castor x 4pcs
- o Dimensions: (W) 445mm x (D) 460mm x (H) 780mm
- o Body power coated steel
- o Table & Cabinet top & Drawer: ABS Plastic

Iv Pole

All Optional items must be manufactured by same manufacture.

Certification:

- CE marked.

Country of Manufacturer:

Paramount Bed Japan, however country of origin of product may vary and could be from anywhere in the world.



Medequips (SMC)

Continuation Sheet

STANDARD CONFIGURATION:

- C-Arm Unit SXT-2000a/E1
- 19" B/W Monitor Kit containing Two LCD Monitors
- Laser Guide
- Cassette Holder
- Standard Monitor Cart
- DICOM-cine
- Manuals
- Sterile Covers (1 set of 3 pieces for the I.I., X-ray tube, and C-arm)
- Grid
- 1-Button Footswitch
- Lead Apron Qty 06

CERTIFICATE: CE & JIS

COUNTRY OF ORIGIN: TOSHIBA (CANON) MEDICAL SYSTEMS CORPORATION, JAPAN, ASSEMBLED IN KOREA.



27- FLUOROSCOPY C-ARM SYSTEM 01

US\$ 90,700

Rs. 11,400,000-

(USD Ninety Thousand Seven Hundred only) (Rupees One Crore Fourteen Lacs only)

Toshiba's (A Canon Group Company)
 9-Inches Mobile C-Arm
 Image Intensifier System "Surginix"
 Model SXT-2000A/E1 with Two 19" Monitors,
 big 300KHU X-ray Tube.
 comprising:

X-Ray Generator:

- Power output (kW) : 12.5 kW
- Inverter frequency : Up to 40 kHz
- Fluoroscopy mode
 - Continuous
 - (Normal mode) : 40 to 125 kV (1-kV steps),
0.5 to 5 mA (0.1-mA steps)
 - Pulse Mode
 - Multi mode: Rate (0.5, 1, 5, 10, 15 pulses/s)
40 to 125 kV (1-kV steps),
0.5 to 5 mA (0.1-mA steps)
 - Snap mode: Rate (15 pulses/s), 40 to 125 kV
(1-kV steps)
8 mA (fixed)
 - Boost mode: Rate (30 pulses/s), 40 to 120 kV
(1-kV steps)
20 mA (fixed)
- ABS: Automatic brightness control system
- Radiography mode
 - kV range: 40 to 120 kV (1-kV steps)
 - mA range: 20 mA, 100 mA, 150 mA
 - mAs range: Up to 500 mAs

X-ray Tube:

- Anode type: Rotating type
- Maximum X-ray tube voltage (kV): 125 kV
- Focal spot (mm): 0.3/0.6
- Anode heat storage capacity (kHU): 300 kHU
- Target angle (°) : 10°
- Inherent filtration (mmAl_{eq.}): 0.7 mmAl

C-Arm:

- SID: 1000 mm
- Orbital rotation: 135° (90°/45°)
- Horizontal travel: 200 mm
- Vertical travel: 500 mm
- Panning motion (swinging): ±12.5°
- Pivot rotation (C-arm rotation): ±225°
- DICOM Send to PACS (DICOM 3.0) and CD-BURN and DICOM CINE are provided

55- **CARDIAC MONITORS** 20 US\$ 6,450- US\$ 129,000- Rs.785,000- Rs.15,700,000-
(USD One Lac Twenty Nine Thousand only) (Rupees One Crore Fifty Seven Lacs only)

NIHON KOHDEN'S *Lifescop*-VS
Bedsides Patient Color Monitor
Model BSM-3562K, to Monitor ECG,
Resp. (Impedance), NIBP, HR,
and SpO₂, Temperature and ETCO₂ having
following:

Operating Features and Characteristics :-

- Display 12.1 Inches, Non fade TFT Color LCD.
- Waveform Non-Fade moving or non-fade fixed.
- Number of Traces Up to 14-Traces
- Sweep Speed 6.25mm/s, 12.5mm/s,
25mm/s, 50mm/s.
- SMART CABLE MODULE CABLE TECHNOLOGY:
- Compressed : 6.25mm/s, Respiration).
(Low Speed : 1.56mm/s, 6.25mm/s, 12.5mm/s).
- Waveform Freeze & cascade Provided.
- Electro-Surgical Interface
Suppression/Protection Provided.
- For Adults
Modes of Operation Detection and alarms
for all Parameters:

Trend :

- Graphical & Tabular Data available for all parameters
for 1, 2, 4, 8, 24, 72hrs.

Heart Rate Display Range is 16 to 300 beats/min
Hard wire/wires less connectivity facility for central monitoring station.

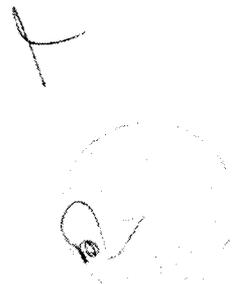
Network connectivity HL7 based to transfer data to the hospital information system.

Adult, Neonatal & pediatric modes of operation, detection and alarms for all parameters

Wave form trace speed : 25 and 50mm/sec

ECG

- 12 Lead ECG interpretation with 10 lead ECG electrode
Leads selection: I, II, III, aVR, aVF, aVL, V, V1-V6, TEST
Selectable neonatal & pediatric operation
Ability to detect neonatal & pediatric heart rate range, qrs widths and amplitudes.
Numeric heart rate
Real time wave form & freeze ECG trace
Variable gain: 0.5, 1, 2 & 4
Waveform: 10 wave forms minimum
Heart beat indication

Non-Invasive Blood Pressure (NIBP):-

Method: Pressure ,oscillometric principal.
Numeric: Systolic , diastolic and mean pressure
Rising cuff/continuous pressure display.

Temperature:

Numeric temperature selectable in °C / °F
Temperature with probe (external and rectal)
Capability to measure neonate and pediatric temperature range

Pulse Oximeter

Number oxygen saturation measurement
Range: 0-100%
Waveform: Plethysmograph pulse with pulse strength indication.
Motion Tolerance technology.
SpO2 technology is available from Nihon Kohden.
Sensor for neonate/infant and pediatrics
Respiration impedance method using ECG leads for sensing
Breathing rate range, sweep speed
Selectable apnea alarm .

Arrhythmia Analysis:

Arrhythmia analysis and ST analysis.
More than 22 arrhythmia items in standard

Respiration:

Breast rate display and alarms.
Sweep speed: 12.5 to 50mm/sec.

Alarms:

High & low (settable) on all parameters.
Visual and audible indication of alarms
Apnea time 5-40s.

Respiration Rate: 0 ~ 150 breaths/min

The system is complete with all sensors, probes and cables and accessories.

Operating Requirements :

- AC 220V/50Hz

POWER REQUIREMENTS:

Line Voltage : AC100 to 240V ±10%.
Line Frequency : 50 or 60Hz.
Power Consumption: AC Operation: 100VA max.
DC Operation : 8.5 to 12.6 (Battery Operation).

NIHON KOHDEN'S *Lifescop*-V5
Bedsides Patient Color Monitor
Model BSM-3562K, to Monitor ECG,
Resp. (Impedance), NIBP, HR,
and SpO₂, Temperature and ETCO₂ having
following:

Operating Features and Characteristics :-

- Display 12.1 Inches, Non fade TFT Color LCD.
- Waveform Non-Fade moving or non-fade fixed.
- Number of Traces Up to 14-Traces
- Sweep Speed 6.25mm/s, 12.5mm/s,
25mm/s, 50mm/s.
- SMART CABLE MODULE CABLE TECHNOLOGY:
- Compressed : 6.25mm/s, Respiration).
(Low Speed : 1.56mm/s, 6.25mm/s, 12.5mm/s).
- Waveform Freeze & cascade Provided.
- Electro-Surgical Interface
Suppression/Protection Provided.

- For Adults
Modes of Operation Detection and alarms
for all Parameters:

Trend :

- Graphical & Tabular Data available for all parameters
for 1, 2, 4, 8, 24, 72hrs.

Heart Rate Display Range is 16 to 300 beats/min
Hard wire/wires less connectivity facility for central monitoring station.

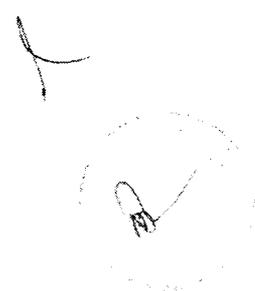
Network connectivity HL7 based to transfer data to the hospital information system.

Adult, Neonatal & pediatric modes of operation, detection and alarms for all parameters

Wave form trace speed : 25 and 50mm/sec

ECG

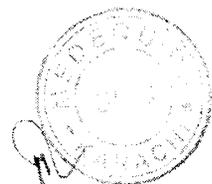
- 12 Lead ECG interpretation with 10 lead ECG electrode
Leads selection: I, II, III, aVR, aVF, aVL, V, V1-V6, TEST
Selectable neonatal & pediatric operation
Ability to detect neonatal & pediatric heart rate range, qrs widths and amplitudes.
Numeric heart rate
Real time wave form & freeze ECG trace
Variable gain: 0.5, 1, 2 & 4
Waveform: 10 wave forms minimum
Heart beat indication



either AC power or a fully charged new battery. Faster charging helps you deliver energy more quickly when VF is observed.

The ECG baseline recovers within 3 seconds after defibrillation. The defibrillation result and patient condition can be confirmed quickly. In AED mode, "Continuous VF analysis" analyzes the ECG waveform even during CPR so energy charging can start before the shock advisory message. This allows quick delivery of shock.

- Monitor size 6.5 inch, TFT Color LCD, Lead Synchronizer output with ECG, Sweep speed 25 or 50mm/Sec, Digital display of heart rate with high/low Alarm & low battery warning.
- Energy Charging : Control on front Panel & Apex Paddle.
- Charge Indicators:
 - Visual Indication of Charging Process.
 - Audible Indication of Charge up to selected energy level.
 - Selected Energy Level Value Displayed on Monitor.
 - The energy range is adjustable for peads and adults up to 270 joules.
- External Pediatrics Paddles Attachment.
- ECG through paddles and Lead: Paddle, I, II, III patient cables.
 - Sensitivity: X1/4, 1/2, 1, 2, 4, auto gain
 - Baseline Recovery Time: Less than 3 Sec after defibrillation at 270J.
- Built-in rechargeable battery with charges for more than 100 shocks.
- **Alarms:**
 - High and Low Heart Rate Alarms
 - Low Battery Warning.
- Recorder:
 - Paper Speed: 25, 50 mm/s.
 - Sensitivity:** 10 mm/mV +/-10%
 - Paper width: 50 mm roll
 - Printing density: 8 dots/mm
 - Recorded waveforms:
 - ECG, ECG + SpO2, ECG + CO2 (selectable; SpO2 or CO2 available when SpO2 or CO2 is measured).
- Power Requirements:
 - AC Operation
 - AC line voltage: 100 to 240 V
 - AC line frequency: 50 or 60 Hz.
- Adults and Paed's Paddles, built in recorder for printing of full summery of standard , speed 25mm/sec with standard paper. This recorder automatically starts when charge button is pressed and stops 15sec after discharge.

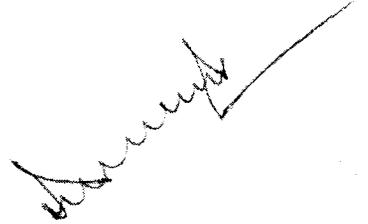


28/9/18

MEDEQUIPS S.M.C.

SERVING THE MEDICAL COMMUNITY

Bungalow No.49-D, Block 6,P.E.C.H.S,
Near main Nursery Bus Stop, Karachi.
Ph: 34380116, 34552622 Fax : 34543026
E-mail:medekhi@gmail.com



FINANCIAL OFFER

Our Ref.: ME-071-FINAC/2018

24th March, 2018

Medical Superintendent,
Peoples Medical College Hospital,
Shaheed Benazirabad,
Nawabshah

SUBJECT: **Tender for Purchase of Machinery / Equipment and Instrument to be
Installed at Peoples Medical College Hospital Nawabshah-Shaheed
Benazirabad - Due on 26-3-2018**

Dear Sir,

Reference above Tender Enquiry, we are pleased to quote our prices as below:

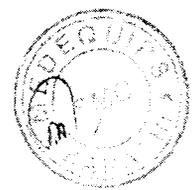
S. #	DESCRIPTION OF ITEMS	QTY.	Unit Price	Total Price	Unit Price	Total Price
			CIF(By Sea)		DDP	

5-	DEFIBRILLATOR	10	US\$ 6,880-	US\$ 68,800-	Rs.892,000-	Rs.8,920,000-
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(USD Sixty Eight Thousand Eight Hundred only) (Rupees Eighty Nine Lacs Twenty Thousand only)

Defibrillator with Monitor/Recording
Biphasic 200J
NIHON KOHDEN 'Cardiolife'
Portable Bi-Phasic Defibrillator
Model TEC-5621K with Built-in Monitor,
Recorder consisting of:

Defibrillator with Built in monitor
and recorder, mains 200-240VAC 50Hz and
Rechargeable Battery. Output energy
2 to 270 Joules. Adjustable from 3 to 50 Joules
for Internal / Pediatric Defibrillation.
Fast shock and continuous observation:
It takes less than 4 seconds to charge 200 J with



Karachi Service Office: Bungalow No.19, Block 7&8, Maqboolabad C.H.S.,
Opp. Modern Club, Off. Tipu Sultan Road, Karachi Ph:34534172
Head Office: 30, Shahrah-e-Quaid-e-Azam, Lahore-Pakistan

Medequips (SMC)

Continuation Sheet

BATTERY OPERATION: Type of Battery: Ni-MH
Voltage: 9.6V, ±5%.
Operation Time: Approx. 1.5 hours with
Full Charged Battery or more.

ENVIRONMENT:

Operating Temperature: 10^o to 40^oC.
Storage Temperature: -20 to 65^oC, -15 to 55^oC
for recording paper.

HL7 GATEWAY CONNECTIVITY.

SYSTEM COMPOSITION:

Main Unit BSM-3562K
Accessory Kit Y212A.
Battery X075.
SPO2 Probe *
Electrode lead 6, electrodes K 912
Temperature probe* .

Accessory Kit Y212A comprising of:

- Electrode lead 3, electrodes K 911
- ECG connection cord K922, J906P
- SPO2 connection cord, K931, JL-900P
- Airhose for NIBP, S902, YN-901P
- NIBP Cuff

OUR OFFERD MONITORS HAVE CAPABILITY TO MEASURE ETCO2 MAIN STREAM, DUAL IBP
CARDIAC OUTPUT, INVASIVE AND NONINVASIVE BLOOD PRESSURE, BIS, MULTIGAS UNIT, EEG (UPTO
8 CHANNEL) ETC WITH RELEVANT OPTIONAL ACCESSORIES.

ALL ALLIED ACCESSORIES ARE FROM ORIGINAL MANUFACTURER I..E NIHON KOHDEN CORPORATION
JAPAN.

OPTIONALS

- | | | | | | | |
|---|----------------------------------|--------|---------------------------|--------------|-------------------------------|----------------|
| - | IBP Connection Cord x 2 (L901)*. | 20Nos. | US\$ 500- | US\$ 10,000- | Rs.70,000- | Rs.1,400,000- |
| | IBP Pressure Transducers x 2*. | | (USD Ten Thousand only) | | (Rupees Fourteen Lacs only) | |
| - | BIS | 20Nos. | US\$ 2,000- | US\$ 40,000- | Rs.275,000- | Rs. 5,500,000- |
| | | | (USD Forty Thousand only) | | (Rupees Fifty Five Lacs only) | |

COUNTRY OF ORIGIN IS NIHON KOHDEN CORPORATION- JAPAN
CERTIFICATION : CE, JIS, MHLW

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- Automated External Defibrillation is available with additional optional disposable pad adapter cable and disposable pads. When shockable rhythm is detected, TEC-5521K automatically starts charging for hands free defibrillation.

SYSTEM COMPOSITION:

- Main Unit Model TEC-5621K, complete with External Paddles, External Paddle Holder,

Built-in Rechargeable Battery and Standard Accessories:

- ECG Connection Cable K922
- ECG 3 Electrode Lead (K911)
- Recording Paper Z-Fold, RQS 50-3 (50mm x 30m).

CERTIFICATION: CE & MHLW

COUNTRY OF ORIGIN: NIHON KOHDEN CORPORATION JAPAN



22- ANGIOGRAPHY MACHINE & 01 US\$ 825,000- Rs. 98,500,000-
ALL ACCESSORIES FOR LAB & MACHINE INSTALLATION (US\$ Eight Laes Twenty Five Thousand only) (Rupees Nine Crore Eighty Five Laes only)

TOSHIBA'S (A CANON GROUP COMPANY)
STATE OF THE ART ANGIOGRAPHY SYSTEM
MODEL INFINIX 8000C.
THIS ADVANCED SYSTEM USES FLAT
PANEL DETECTOR TO PROVIDE
FLUOROSCOPIC AND FLUOROGRAPHIC
IMAGES OF THE HIGHEST QUALITY.

Clinical Purpose Angiography or arteriography is a medical imaging technique used to visualize the inside, or lumen, of blood vessels and organs of the body, with particular interest in the arteries, veins, and the heart chambers.

TECHNICAL SPECIFICATIONS:

A fully digital flat panel single plane cardiac Angiography/ cardiac catheterization system dedicated for diagnosis and interventional cardiac procedures.

POSITIONING ARM:

The system have ceiling mounted.
 Real time display of rotation angulations.
 Geometry : C-arm/ G-arm
 RAO 180° TO LAO 120°
 Cranial / Caudal: min. +/- 45°
 Rotation speed: 50° /Sec in LAO/RAO
 Isocentric Height: Variable /Fixed.
 Auto positioning: Programmable auto positioning of selected.
 Angulations, (30) Programmable Positions.)
 The control panel can be mounted at any side of the patent table.
 All the rotational / Angles digital displayed next to the.
 Ceiling mounted 55 Inch LCD/LED monitor.
 Motorized/Manual Parking / rotation of the positioning arm.

DIGITAL FLAT PANEL:

Single Plane C-Arm /G-Arm
 Image matrix of 1024x1024 x 16 bit or more.
 Standard cardiology size with three formats.
 Built in temperature stabilizer.

DIGITAL FLAT PANEL DETECTOR 12 x 12 Inch

Integrated Collision protection feature.
 All other standard accessories according to this digital flat panel.



Dose management with fluoro filters range of 0.1/0.2mm to 0.9/1.0 mm Cu
 Pixel size of 192 μ m
 Removable grid for pediatric application
 DQE: 77% .

PATIENT SUPPORT/ TABLE:

Motorized height adjustable catheterization dedicated table allowing precise imaging during operation.
 Longitudinal stroke: 775mm to 1150mm
 Lateral stroke +/-200mm
 CPR in any table position
 All Table side movement controls.
 Table top of such construction in material and durability to accept patients weight is 220Kg & 100 kg for resuscitation.
 Table dimension is adjustable to accommodate patients of all ages.
 Table top have large metal free over hand for unobstructed image coverage.
 complete accessories are provided including arm holder, hand grip, arm support and arm rest and positioning aids.
 Left / right table pivoting: +/- 90 degree.

X-RAYS GENERATOR:

Microprocessor based high frequency using fiber optic for data communication between each imaging system.
 Dedicated X-Ray generator of 100KW
 Radiographic rating 1000mA
 Serial filming exposures with shortest exposure of 1mS, with automatic KV and mA control for optimum image quality.
 The system is capable of digital radiography and fluoroscopy.
 Has capability of doing digital pulsed fluoroscopy 10/12.5/15 and 25/30 frames per second.
 Automatic KV mA & pulse width regulations.

DIGITAL IMAGING AND ACQUISITION / FLUOROSCOPY:

Digital System. Acquisition, storage and display in 1024x1024 x12 bit at 1,2,3,5,7.5,10,15,30 FPS and 512 x 512 at 60 Fps for pediatric work.
 Parallel processing capability / multitasking facility
 Real time filtering and road map function.
 Magnetic disk capacity for storage of 118,800 images in 1024 x 1024 x 12 bit on the magnetic disk of main console.
 Minimum scan length is 90 seconds in 1024 matrix.
 Digital Pulsed fluoroscopy with 1,2,3,4,5,7.5,10, 15, 20, 30 FPS in 1024x1024 x 10 bit including cardiac mode.
 Images is stored on the retrieved from archive disk for possible manipulation and quantification using available software packages.
 Digital Subtraction Angiography Package



TOSHIBA'S (A CANON GROUP COMPANY)
STATE OF THE ART ANGIOGRAPHY SYSTEM
MODEL INFINIX 8000C.
THIS ADVANCED SYSTEM USES FLAT
PANEL DETECTOR TO PROVIDE
FLUOROSCOPIC AND FLUOROGRAPHIC
IMAGES OF THE HIGHEST QUALITY.

Clinical Purpose Angiography or arteriography is a medical imaging technique used to visualize the inside, or lumen, of blood vessels and organs of the body, with particular interest in the arteries, veins, and the heart chambers.

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Angulations, (30) Programmable Positions.)
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Ceiling mounted 55 Inch LCD/LED monitor.
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Standard cardiology size with three formats.
Built in temperature stabilizer.

DIGITAL FLAT PANEL DETECTOR 12 x 12 Inch

Integrated Collision protection feature.
All other standard accessories according to this digital flat panel.



X-RAYS TUBE:

3 years un-conditional warranty on the x-ray tube by Toshiba (Canon).
Triple Focus with 3.0MHU anode heat storage.
large Capacity to enable continuous heat dissipation during serial exposure.
Triple focal rotating anode.
Focus 0.4/0.6 and 1.0mm.
Dose management with auto adjustment fluoro filters.
Tube is rotating anode bearing less liquid metal technology tube.
X-ray tube power is same as generator power i.e 100KW.

MONITORING SYSTEM:

Flat screen LCD/LED* 55 Inch of 3840 x 2160 / 8 Mega Pixel
Monitor is ceiling mounted in the operation room with the ceiling suspension system.
Two monitors for live images and road mapping in the Examination room 18 inch or larger LCD/LED as back up.
Two monitors for live images and road mapping in the control room 18 inch or larger LCD/LED.
All the monitors will be of Medical Graded, complied with international standards for medical Monitors.

CONTROL:

All the controls of digital imaging system, inch, post processing & quantifications (QCA) analysis shall be in the control room with replay / display of auditorium room image will be available in the examination room.

RECORDING / ARCHIVING & COMMUNICATION SYSTEM:

Recording/ archiving system is compatible with DICOM-3.
They digital images stored as backup on CD, DVD

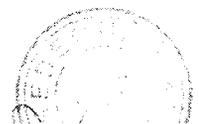
DICOM (Send / store, commitment, retrieve / query)

Ethernet connection to connect with other terminals.
Integrated intercom system.
DICOM (send/storage, commitment, retrieve/query)
Capable to connect with Laser printer for image filming.
Option to connect with other equipments like CT Angio, MR etc for viewing and case study.

SOFTWARE/HARDWARE PACKAGES:

Complete Analysis package for the following cardiac applications:

- Dynamic pre and post PTCA / Valvotomy comparison with one image live and other reference.
- Automatic loop replay after acquisition or fluoroscopy.
- Dynamic real time pan / zoom.
- Dynamic real time digital imaging processing like edge enhancement or gamma correction, noise reduction (spatial filtration)
- All licensed softwares will be provided.



- Simultaneous display of fluoroscopy and reference images, not only as static images but as dynamic loop.
- Rotational Angiography with C-Arm rotation of 50 ° / sec.
- Online image density (gray scale) correction.
- Facility to review previous studies in the examination room from the patients old CD.
- All controls of digital imaging system incl. Post-processing are in the examination as well as control room.
- Automatic positioning of the C-arm corresponding to reference image.
- Store fluoro facility to store fluoroscopy.
- Stent visualization software SNRF latest by Toshiba (Canon).

SURGICAL SHADOW LESS LIGHT*:

Ceiling suspended, For Angiographic and related surgical procedures.

RADIATION PROTECTION*:

- 4Nos. Lead Apron.
- 2Nos. Thyroid shields.
- 2Nos. Pb Goggles.
- **PHYSIOLOGICAL HEMODYNAMIC MONITORING SYSTEM*:**
- Multichannel (14 channels or more) to record at least 2 channels IBP, Cardiac output with thermo dilution method, Surface ECG in any configuration and simultaneous 12 lead ECG, NIBP and SpO2 measurement.
- Digital display of all the parameters like IBP, Heart rate, cardiac output parameter. It will possible to store the waveforms on the hard disk of the physiological recording system.
- The hemodynamic system is from the original manufacturer/Joint venture manufacturer of the angiography system.

ACCESSORIES*:

- Pulse oximeter probes (QTY-02)
- 02 x invasive blood pressure reusable transducer with 100 disposable transducer domes.
- Disposable transducers (100 Nos.)
- Complete 12 lead ECG Cable
- NIBP (cuffs of different sizes)
- Cardiac output (01 Nos.)
- Holder for mounting the IBP transducer alongside the patient table.
- Color monitors 18 inch OR more LCD/ LED inside the control room.
- DVD /CD writer for archiving of study data and wave from stored on hard disk.
- Facility for freezing the homodynamic data and simultaneous recovery of recent data/ compare stored data with current waveform.
- Laser black & white printer (HP, Lexmark, Xerox, Canon) network ready.

QUALITY AND SAFETY STANDARDS FOR ANGIOGRAPHY MACHINE:

FDA 510K, CE(MDD) & MHLW.



RENOVATION WORKS:

Site renovation cost like civil, electrical (AC's included) and other necessary works required in the angiography suits are included in the bid amount and also will be done by us.
Lead glass window size 5x3 square feet Pb equivalent 2.0mm.

OTHER ALLIED ACCESSORIES: (USA, Europe and Japan origin)

120 KVA true on line sine wave Double conversion UPS* for whole system with a minimum back up time of 10 minutes including room lights, microprocessor based IGBT technology. Display and alarms of parameters. Three phase line voltage of 220 50Hz with all necessary standard parts including batteries.

Programmable contrast media injector* with 50 disposable syringes. (Medrad-bayer, Angiomat or Medtrone).

POWER REQUIRMENT:

Three phase with line voltage of 220V. 50 Hz.

NOTE:

CIF PRICE CAN BE REDUCED TO US\$ 40,000 AND DDP TO RS.4,800,000-, IF IN PLACE OF 01 NO. 55 INCH LARGE MONITOR, 2 NOS. 18 INCH LCD MONITORS ARE ORDERED ALONG WITH ANGIOGRAPHY MACHINE.

WARRANTY:

3-Years unconditional comprehensive warranty.

OPTIONAL ITEM (REQUIRED BY TENDER ENQUIRY):

- | | | |
|--|---|---|
| 1. EXTENDED TABLETOP | 1No. US\$25,000-
(USD Twenty Five Thousand only) | Rs.3,000,000-
(Rupees Thirty Lacs only) |
| 2. HEAD-END TABLE CONTROL SWITCH KIT | 1No. US\$15,000-
(USD Fifteen Thousand only) | Rs.1,850,000-
(Rupees Eighteen Lacs Fifty Thousand only) |
| 3. FREE SLIDE GRIP FOR CAT (MUSHROOM SWITCH) | 1No. US\$8,000-
(USD Eight Thousand only) | Rs.1,000,000-
(Rupees Ten Lacs only) |
| 4. ADVANCED SPOT FLUOROSCOPY
SPOT FLUOROSCOPY IS A UNIQUE
COMBINATION OF INNOVATIVE ASYMMETRIC
COLLIMATION CAPABILITIES AND A NOVEL
EXPOSURE MANAGEMENT TECHNIQUE. | 1No. US\$35,000-
(USD Thirty Five Thousand only) | Rs.4,200,000-
(Rupees Forty Two Lacs only) |

COUNTRY OF ORIGIN AND MANUFACTURE: USA/EUROPE /JAPAN.

CERTIFICATIONS: FDA 510K, CE, MHLW.

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ALTERNATE OFFER:**ANGIOGRAPHY MACHINE:****01No.****US\$ 715,000-****Rs. 88,500,000-**

(USD Seven Lacs Fifteen Thousand only)

(Rupees Eight Crore Eighty Five Lacs only)

TOSHIBA'S (A Canon Group Company)
 FULLY DIGITAL FLAT PANEL
 SINGLE PLANE CARDIAC ANGIOGRAPHY
 / CARDIAC CATHETERIZATION SYSTEM
MODEL INFX-8000F RITE EDITION
 DEDICATED FOR DIAGNOSTIC &
 INTERVENTIONAL CARDIAC
 PROCEDURES. THE ANGIOGRAPHY SYSTEM
 COMPRISES OF FOLLOWING SPECIFICATIONS
 AND APPLICATION SOFTWARES:

- THE QUOTED MODEL IS LATEST.
- INSTALLED BASED IS ATTACHED.
- SATISFACTION LETTERS REGARDING
 SATISFACTORY AFTER SALE SERVICE
 PERFORMANCE OF SIMILAR CARDIAC
 ANGIO -SYSTEM INSTALLED BY US ARE ATTACHED.

**A) POSITIONING ARM: FLOOR MOUNTED
 C-ARM MODEL CAS-810A/A2**

1. STATE OF THE ART FLOOR MOUNTED
 C-ARM FOR EASY PATIENT ACCESS.
2. REAL TIME DISPLAY OF ROTATION ANGULATIONS.
3. GEOMETRY: C-ARM
4. ANGLE ROTATION: RAO 120° TO LAO 120°
5. CRA 50° TO CAU 45° IN ALL DETECTOR POSITION.
6. LAO/RAO ROTATION SPEED: 30° / SEC IN LAO/RAO.
7. FIXED ISOCENTER HEIGHT.
8. AUTO POSITIONS: PROGRAMMABLE
 AUTO POSITING OF SELECTED
9. ANGULATIONS 64-PROGRAMMABLE POSITIONS.
10. THE CONTROL PANEL CAN BE MOUNTED AT
 ANY SIDE OF THE PATIENT TABLE.
11. ALL ROTATIONAL / ANGLES ARE DIGITALLY DISPLAYED
12. C-ARM MOTORIZED AUTO PARKING FACILITY OF
 THE POSITIONING ARM.

B) DIGITAL FLAT PANEL DETECTOR (8" x 8"):

1. SINGLE PLANE C-ARM
2. IMAGE MATRIX: 1024 X 1024 X 16 BITS
3. STANDARD SIZES: FOUR RADIOLOGY SIZES.
4. BUILD IN TEMPERATURE STABILIZATION.
5. INTEGRATED COLLISION PROTECTION FEATURE.
6. STANDARD ACCESSORIES, ACCORDING





TO THE DIGITAL FLAT PANEL.

7. DOSE MANAGEMENT WITH FLUORO FILTERS 0.2MM TO 0.9MM CU
8. PIXEL SIZE: 194 μ M X 194 μ M
9. REMOVABLE GRID FOR PEDIATRIC APPLICATION PROVIDED AS STANDARD.

C) PATIENT SUPPORT / TABLE:

CATHERIZATION TABLE MODEL CAT-850B.

1. FLOOR MOUNTED WITH UP-DOWN, LONGITUDINAL AND TRANSVERSE MOVEMENTS.
2. LONGITUDINAL MOVEMENT 1350mm.
3. LATERAL MOVEMENT +/- 200mm.
4. ALL TABLE SIDE MOVEMENT CONTROLS
5. CPR IN ANY TABLE POSITION IS POSSIBLE.
6. UNIT IS CONSTRUCTED OF DURABLE MATERIAL CAPABLE OF HANDLING 220 KG PATIENT WEIGHT PLUS 100KG FOR RESUSCITATION.
7. TABLE IS CAPABLE TO ACCOMMODATE PATIENTS OF ALL AGES.
8. TABLETOP HAS LARGE METAL FREE OVER HANG FOR UN-OBSTRUCTED IMAGING COVERAGE.
9. TABLE INCLUDES ALL STANDARD ACCESSORIES; ARM SUPPORT / HOLDER,
10. HAND GRIP AND ARMREST AND POSITIONING AIDS.
11. LEFT / RIGHT TABLE ROTATIONS: +90^o TO -180^o.

D) X-RAY TUBE:

1. TRIPPLE FOCUS WITH 3.0MHU ANODE HEAT STROAGE
2. LARGE CAPACITY TO ENABLE CONTINUOUS HEAT DISSIPATION DURING SERIAL EXPOSURE. TUBE POWER IS SAME AS GENERATOR POWER : 1000MA X 100KV = 100KW
3. ROTATING ANODE WITH LIQUID METAL TECHNOLOGY BEARING LESS TUBE
4. DOSE MANAGEMENT WITH AUTO ADJUSTMENT FLUORO FILTERS.

E) X-RAY GENERATOR:

"STATE OF THE ART "X-RAY GENERATOR MODEL XTP-8100XG".

1. MICROPROCESSOR CONTROLLED HIGH FREQUENCY USING FIBER OPTIC FOR DATA COMMUNICATION BETWEEN EACH IMAGING SYSTEMS.
2. DEDICATED 100KW X-RAY GENERATOR.
3. RADIOGRAPHIC RATINGS: 1000mA.
4. SERIAL FILMING EXPOSURES WITH SHORTEST EXPOSURE OF 1ms WITH AUTOMATIC KV AND MA CONTROL FOR OPTIMUM IMAGE QUALITY.
5. THE SYSTEM HAS CAPABILITY OF DOING DIGITAL RADIOGRAPHY AND FLUOROSCOPY
6. THE SYSTEM HAS CAPABILITY OF DOING DIGITAL PULSED FLUOROSCOPY AT 1, 2, 3, 5, 7.5, 10, 15, 20 & 30EXP/S.
7. AUTOMATIC KV, MA & PULSE WIDTH REGULATION FACILITY.



**F) DIGITAL IMAGING AND ACQUISITION
/ FLUOROSCOPY DIGITAL SYSTEM:**

1. DIGITAL SYSTEM
2. ACQUISITION RATE, STORAGE AND DISPLAY OF 1024 x 1024 x 14 BITS AT 1, 2, 3, 5, 7.5, 10, 15, 20 AND 30 F/S AND 512X512 AT 60 FPS FOR PAEDITRIC WORK.
3. MULTI TASKING CAPABILITY WITH SIMULTANEOUS ACQUISITION, STORAGE, AND IMAGE PROCESSING.
4. REAL TIME FILTERING AND ROAD MAPPING FACILITY.
5. MAGNETIC DISK CAPACITY FOR STORAGE OF 118,000 IMAGES WITH 1024 X 1024 MATRIX ON THE MAGNETIC DISK OF MAIN CONSOLE.
6. SYSTEM SUPPORTS LONG DURATION OF CINE LENGTH AND TO STORE AT LEAST 90 SECONDS OF FLUORO IMAGES AS CINE RUNS IN 1024 MATRIX
7. DIGITAL PULSED FLUOROSCOPY CAPABILITY OF 1, 2, 3, 5, 7.5, 10, 15, 20, & 30 FRAMES / SEC IN 1024 X 1024 X 10 BITS MATRIX.
8. IMAGES CAN BE STORED ON AND RETRIEVED FROM ARCHIVAL DISKS DVDS / CDS FOR POSSIBLE MANIPULATIONS USING AVAILABLE SOFTWARE PACKAGES.
9. ROTATIONAL DIGITAL SUBTRACTION ANGIOGRAPHY PACKAGE MODEL XIDF-ROT801 AND ROTATIONAL DIGITAL ANGIOGRAPHY PACKAGE.

G) MONITORING SYSTEM:

1. TWO LCD/LED MONITORS: 19 INCHES, FOR LIVE IMAGES AND ROAD MAPPING IN THE EXAMINATION ROOM.
2. TWO LCD/LED MONITORS: 19 INCHES, FOR LIVE IMAGES AND ROAD MAPPING IN THE CONTROL ROOM.
3. ALL MONITORS ARE MEDICAL GRADE, COMPLYING WITH INTERNATIONAL STANDARDS FOR MEDICAL MONITORS.

H) RECORDING /ARCHIVING AND COMMUNICATION SYSTEM:

1. RECORDING/ARCHIVING SYSTEM IS DICOM-3 COMPATIBLE.
2. THE DIGITAL IMAGES CAN BE STORED AS BACKUP ON CD/DVD.
3. DICOM (SEND/STORAGE, COMMITMENT, RETRIEVE/QUERY).
4. ETHERNET CONNCTCION TO CONNECT WITH OTHER TERMINALS IS AVAILABLE.
5. INTEGRATED INTERCOM SYSTEM.

I) SOFTWARE / HARDWARE PACKAGES:

- COMPLETE ANALYSIS PACKAGE FOR THE FOLLOWING CARDIAC APPLICATIONS:
1. DYNAMIC PRE AND POST INTERVENTION COMPARISON WITH ONE IMAGE LIVE AND OTHER REFERENCE.
 2. AUTOMATIC LOOP REPLAY AFTER ACQUISITION OR FLUOROSCOPY.
 3. DYNAMIC REAL TIME PAN/ZOOM.



TOSHIBA'S (A Canon Group Company)
 FULLY DIGITAL FLAT PANEL
 SINGLE PLANE CARDIAC ANGIOGRAPHY
 / CARDIAC CATHETERIZATION SYSTEM
 MODEL INFX-8000F RITE EDITION
 DEDICATED FOR DIAGNOSTIC &
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- INSTALLED BASED IS ATTACHED.
- SATISFACTION LETTERS REGARDING
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5. CRA 50° TO CAU 45° IN ALL DETECTOR POSITION.
6. LAO/RAO ROTATION SPEED: 30° / SEC IN LAO/RAO.
7. FIXED ISOCENTER HEIGHT.
8. AUTO POSITIONS: PROGRAMMABLE
 AUTO POSITING OF SELECTED
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 ANY SIDE OF THE PATIENT TABLE.
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12. C-ARM MOTORIZED AUTO PARKING FACILITY OF
 THE POSITIONING ARM.

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2. IMAGE MATRIX: 1024 X 1024 X 16 BITS
3. STANDARD SIZES: FOUR RADIOLOGY SIZES.
4. BUILD IN TEMPERATURE STABILIZATION.
5. INTEGRATED COLLISION PROTECTION FEATURE.
6. STANDARD ACCESSORIES, ACCORDING



4. DYNAMIC REAL TIME DIGITAL IMAGE PROCESSING LIKE EDGE ENHANCEMENT OR GAMMA CORRECTION, NOISE REDUCTION (SPATIAL FILTERATION).
5. SIMULTANEOUS DISPLAY OF FLUOROSCOPY AND REFERENCE IMAGES, NOT ONLY AS STATIC IMAGES BUT AS DYNAMIC LOOP.
6. ONLINE IMAGE DENSITY (GRAY SCALE) CORRECTION.
7. FACILITY TO REVIEW PREVIOUS STUDIES IN THE EXAMINATION ROOM FROM THE PATIENT'S OLD CD/DVD.
8. AUTOMATIC POSITIONING OF THE C-ARM CORRESPONDING TO REFERENCE IMAGE.
9. STORE FLUORO FACILITY TO STORE FLUOROSCOPY
10. LEAD GLASS WINDOW* 5 x 3 FEET, APPROXIMATELY TO FIT SITE CONDITIONS.

J) ACCESSORIES OF ANGIOGRAPHY SYSTEM:*

- PHYSIOLOGICAL HEMODYNAMIC MONITORING SYSTEM*:
- Multichannel (14 channels or more) to record at least 2 channels IBP, Cardiac output with thermo dilution method, Surface ECG in any configuration and simultaneous 12 lead ECG, NIBP and SpO2 measurement.
- Digital display of all the parameters like IBP, Heart rate, cardiac output parameter. It will possible to store the waveforms on the hard disk of the physiological recording system.
- The hemodynamic system is from the original manufacturer/Joint venture manufacturer of the angiography system.

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- Pulse oximeter probes (QTY-02)
 - 02 x invasive blood pressure reusable transducer with 100 disposable transducer domes.
 - Disposable transducers (100 Nos.)
 - Complete 12 lead ECG Cable
 - NIBP (cuffs of different sizes)
 - Cardiac output (01 Nos.)
 - Holder for mounting the IBP transducer alongside the patient table.
 - Color monitors 18 inch OR more LCD/ LED inside the control room.
 - DVD /CD writer for archiving of study data and wave from stored on hard disk.
 - Facility for freezing the homodynamic data and simultaneous recovery of recent data/ compare stored data with current waveform.
 - Laser black & white printer (HP, Lexmark, Xerox, Canon) network ready.
- 1- EMERSON/ REILLO UPS* 120KVA
SINE WAVE ONLINE WITH
BATTERY BANK TO SUPPORT
WHOLE SYSTEM WITH ATLEAST
10 MINUTES BACKUP TIME
 - 2- ROOM RENOVATION FOR
INSTALLATION OF
ANGIOGRAPHY SYSTEM.
 - 4- EXTENDED TABLETOP MODEL XBET-001A
 - 5- HEAD-END TABLE CONTROL SWITCH KIT
MODEL XBHR-001A



- 6- FREE SLIDE GRIP FOR CAT (MUSHROOM SWITCH) MODEL XBFG-001A

- 7) Programmable contrast media injector* with 50 disposable syringes. (Medrad-bayer, Angiomat or Medtrone).

- 8) SURGICAL SHADOW LESS LIGHTS*

OPTIONAL:

ADVANCED SPOT FLUOROSCOPY SPOT FLUOROSCOPY IS A UNIQUE COMBINATION OF INNOVATIVE ASYMMETRIC COLLIMATION CAPABILITIES AND A NOVEL EXPOSURE MANAGEMENT TECHNIQUE.	1No. US\$35,000- (USD Thirty Five Thousand only)	Rs.4,200,000- (Rupees Forty Two Lacs only)
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**K) QUALITY & SAFETY STANDARD / RADIATION PROTECTIONS:
FOR ANGIOGRAPHY MACHINE:**

CERTIFICATIONS: FDA, CE & MHLW

COUNTRY OF ORIGIN: TOSHIBA (CANON) MEDICAL SYSTEMS CORPORATION JAPAN

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23- ECHOCARDIOGRAPHY 01 US\$ 72,000- Rs.Rs.9,800,000-
 MACHINE WITH TWO PROBES (USD Seventy Two Thousand only) (Rupees Ninety Eight Laacs only)
 (INCLUDING PEDIATRIC)

**ECHO CARDIOGRAPHY MACHINE DOPPLER
 WITH TWO PROBE(INCLUDING PEDIATRIC)**

Toshiba's (A Canon Group Company)

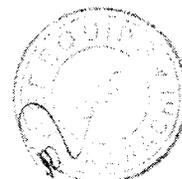
Fully Digital Beam Former High Resolution Trolley
 Mounted Diagnostic Color Doppler System "APLIO-300 Platinum"
 with 192 transmitting channels with 12 -Bit A/D Conversion
 Fully Digital Beam former having 2D / M -Mode and Doppler Facilities,
 (PW, HPRF, & Color Flow Imaging) with High Resolution Imaging Doppler
 Signal Quality; having DICOM Compatibility and of handle multifrequency
 Probe 18 MHz.

SYSTEM COMPOSITION:

- Main Unit TUS-A300.
- Trolley Mounted System.
- 21.5 Inches High Resolution tiltable and swivel type
Color LCD Monitor with 1600 x 900.
- 10.4" Touch Control Panel Screen to control parameters.
- 4-Active Transducer Connectors for Transthoracic.
- Color Doppler Imaging Unit.
- PW Doppler.
- Power Doppler.
- Built in CD/DVD Drive.
- HPRF Doppler.
- Duplex / Triplex mode.
- DICOM Media Storage.
- Cine Image Memory: 960MB.
- THI (Tissue Harmonic Imaging) without Contrast with 4 Harmonic frequencies.
- TDI (Tissue Doppler Imaging).
- ECG Reference Unit.
- Integrated / Built in Data Management System with
total 1000GB (500 x 2) Hard Disk Drive for future
software up-gradation and acquisition and retrieval
of images for off line analysis.
- Continuous Wave Doppler.
- Wall motion analysis by semi automatically subtracting the
left ventricular myocardium from the image data acquired by
the system and displaying it for the evaluation of myococardial motion.
- 2D Wall Motion Tracking/Tissue strain imaging with 2D strain and 2D displayment based on 2D
speckle tracking.
- Contrast Harmonic Imaging.
- Work Station for review* / Dicom viewer.*
- DICOM media storage software.
- B/W Thermal Printer (to be supplied locally).
- Online UPS for backup (to be supplied locally).

CA

2



PROBES:

- 2.0 to 4.8 MHz Multifrequency Phase Array Sector Probe
Model No.PST-30BT with three THI frequency for Adults.
- 3.0 to 6.0 MHz Multifrequency Phase Array Sector Probe
Model No.PST-50BT with three THI frequency for Pediatrics.
- 7.2 to 18.0 MHz Multifrequency Linear Probe with THI
Model No.PLT-1204BT for B, M, B/M, PW and color mode.

SPECIAL SOFTWARES:

- THI (Tissue Harmonic Imaging) without contrast with 4 harmonic frequencies.
- Panoramic view imaging with measurements.
- Pulse subtraction / Pulse Inversion Harmonic Imaging.
- Quick Scan enables automatic gain and STC control for B mode as well as Velocity range and Base line shift control for Spectrum Doppler.
- Advance Dynamic Flow (ADF).
- Tissue Doppler imaging mode with Pulse Wave TDI.
- Tissue Harmonic imaging to enhance effective wide band frequency range to provide simultaneously spatial resolution ,contrast resolution and increased penetration using two transmission pulses at different frequencies simultaneously and reception at well as differential component.
- Quick Scan for auto image optimization.
- Dynamic Flow imaging.
- Trapezoid Imaging.
- ApliPure for Compound Imaging of frequency and Spatial resolution for greater clarity and to reduce the speckle noise on B/W image.
- Precision Imaging for continuous structure Smoothly without scarified in detailed tissue information and provide more clarity in imaging.
- Stress Echo.
- 2D Wall Motion Tracking/Tissue strain imaging with 2D strain and 2D displacement based on 2D speckle tracking.
- Contrast Harmonic Imaging.

OPTIONAL:

- | | | |
|--|--|---|
| - 2.5 to 7.5 MHz Multifrequency TEE Probe
Model No.PET-512MA for Adult Studies. | (1 No.) US\$ 36,000-
(USD Thirty Six Thousand only) | RS.4,500,000-
(Rupees Forty Five Laacs only) |
| - 3.0 to 6.5 MHz Multifrequency TEE Probe
Model No.PET-508MA for Peads Studies. | (1 No.) US\$ 40,000-
(USD Forty Thousand only) | RS.5,000,000-
(Rupees Fifty Laacs only) |
| - 4.2 to 9.0 MHz Multifrequency Sector Probe
Model No.PST-65AT for Neonate Studies. | (1 No.) US\$ 8,000-
(USD Eight Thousand only) | RS.980,000-
(Rupees Nine Laacs Eighty thousand only) |



**ECHO CARDIOGRAPHY MACHINE DOPPLER
WITH TWO PROBE(INCLUDING PEDIATRIC)**

Toshiba's (A Canon Group Company)

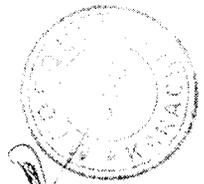
Fully Digital Beam Former High Resolution Trolley
Mounted Diagnostic Color Doppler System "*APLIO-300 Platinum*"
with 192 transmitting channels with 12 -Bit A/D Conversion
Fully Digital Beam former having 2D / M -Mode and Doppler Facilities,
(PW, HPRF, & Color Flow Imaging) with High Resolution Imaging Doppler
Signal Quality; having DICOM Compatibility and of handle multifrequency
Probe 18 MHz.

SYSTEM COMPOSITION:

- Main Unit TUS-A300.
- Trolley Mounted System.
- 21.5 Inches High Resolution tiltable and swivel type
Color LCD Monitor with 1600 x 900.
- 10.4" Touch Control Panel Screen to control parameters.
- 4-Active Transducer Connectors for Transthoracic.
- Color Doppler Imaging Unit.
- PW Doppler.
- Power Doppler.
- Built in CD/DVD Drive.
- HPRF Doppler.
- Duplex / Triplex mode.
- DICOM Media Storage.
- Cine Image Memory: 960MB.
- THI (Tissue Harmonic Imaging) without Contrast with 4 Harmonic frequencies.
- TDI (Tissue Doppler Imaging).
- ECG Reference Unit.
- Integrated / Built in Data Management System with
total 1000GB (500 x 2) Hard Disk Drive for future
software up-gradation and acquisition and retrieval
of images for off line analysis.
- Continuous Wave Doppler.
- Wall motion analysis by semi automatically subtracting the
left ventricular myocardium from the image data acquired by
the system and displaying it for the evaluation of myococardial motion.
- 2D Wall Motion Tracking/Tissue strain imaging with 2D strain and 2D displayment based on 2D
speckle tracking.
- Contrast Harmonic Imaging.
- Work Station for review* / Dicom viewer.*
- DICOM media storage software.
- B/W Thermal Printer (to be supplied locally).
- Online UPS for backup (to be supplied locally).

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**Tender for Purchase of Machinery / Equipment for the year 2017-18
PEOPLES MEDICAL COLLEGE HOSPITAL NAWABSHAH
SHAHEED BENA ZIRABAD**

(FINANCIAL PROPOSAL)

S. No	Item Description	Qty	Brand	Model	Price in Words and Figure (C&F)	Total C&F
12	Laparoscope Complete Set LAPROSCPIC CAMERA SYSTEM CMOS FULL HD	01	Covidien (A Medtronic Company)	Covidien CMOS Native Full HD Camera System	\$ 45,455 Forty Five Thousand Four Hundred and Fifty Five Only	\$ 45,455
25	Therapeutic Hysteroscope TRUE CLEAR SYSTEM WITH COVIDIEN NATIVE HD CAMERA SYSTEM	01	Covidien (A Medtronic Company)	TRUE CLEAR SYSTEM WITH COVIDIEN NATIVE HD CAMERA SYSTEM	\$ 36,364 Thirty Six Thousand Three Hundred Sixty Four Only	\$ 36,364
45	Binoocular Microscope Humascope Premium	01	Human GmbH	14700	Euro 2,091 Two Thousand & Ninety One Only	Euro 2,091
46	Centrifuge Machine Humax 4K	02	Human GmbH	15200/2	Euro 2,228 Two Thousand Two Hundred Twenty Eight Only	Euro 4,456

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FORMAT FOR FINANCIAL EVALUATION OF BIDS

ITEM/S/Name & description	Qty	Responsive Bidder 1		Responsive Bidder 2		Responsive Bidder 3	
		Unit Price	Total price	Unit price	Total price	Unit Price	Total Price
PURCHASE OF MACHINERY AND EQUIPMENT							
LAPROSCOPE COMPLETE SET	01						
THERAPEUTIC HYSTEROSCOPE	01						
Binocular Microscope	01						
Centrifuge Machine	02						

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**Tender for Purchase of Machinery / Equipment for the year 2017-18
PEOPLES MEDICAL COLLEGE HOSPITAL NAWABSHAH
SHAHEED BENAZIRABAD**

(FINANCIAL PROPOSAL)

S. No	Item Description	Qty	Brand	Model	Price in Words and Figure (DDP)	Total DDP
12	Laparoscope Complete Set LAPROSCPIC CAMERA SYSTEM CMOS FULL HD	01	Covidien (A Medtronic Company)	Covidien CMOS Native Full HD Camera System	Rs 5,000,000.00 Fifty Lac Only	Rs 5,000,000.00
25	Therapeutic Hysteroscope TRUE CLEAR SYSTEM WITH COVIDIEN NATIVE HD CAMERA SYSTEM	01	Covidien (A Medtronic Company)	TRUE CLEAR SYSTEM WITH COVIDIEN NATIVE HD CAMERA SYSTEM	Rs 4,000,000.00 Forty Lac Only	Rs 4,000,000.00
45	Binocular Microscope Humascope Premium	01	Human GmbH	14700	Rs: 230,000.00 Two Lac Thirty Thousand Only	Rs: 230,000.00
46	Centrifuge Machine Humax 4K	02	Human GmbH	15200/2	Rs: 245,000.00 Two Lac Forty Five Thousand Only	Rs: 490,000.00

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FORMAT FOR FINANCIAL EVALUATION OF BIDS

ITEMS/Name & description	Qty	Responsive Bidder 1		Responsive Bidder 2		Responsive Bidder 3	
		Unit Price	Total price	Unit price	Total price	Unit Price	Total Price
PURCHASE OF MACHINERY AND EQUIPMENT							
LAPROSCOPE COMPLETE SET	01						
THERAPEUTIC HYSTEROSCOPE	01						
Binocular Microscope	01						
Centrifuge Machine	02						

R

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STANDARD SUPPLIERS

Supplier of Medical Equipments/Medical Pipeline System/Hospital Furniture/Medicines



OUR REF:- SS - 001046/2018

DATED:- 22/03/2018

Medical Superintendent
Peoples Medical College Hospital
Nawabshah - Shaheed Benazirabad

Dear Sir,

FINANCIAL BID

PROCUREMENT OF MACHINERY & EQUIPMENT (SUPPLY & INSTALLATION) 2018

DUE ON 26.03.2018

Reference your enquiry, we are pleased to quote as under:-

<u>S.NO</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL</u>
01	<u>ECG MACHINE</u> <u>3 / 6 / 12 CHANNEL</u> Model Mr. Gold Product Display Analysis and interpretation Heart pacemaker detection Product code ECG signals Working mode Printout	10Nos	Rs.260,000/= Each	Rs.2,600,000/=
			Electrocardiograph AsCARD Gold3 v.201 Full-colour, graphical TFT 10.4" 480x640 with a touch panel Presentation of 12 leads on a screen Reviewing saved examinations on a screen Presentation of analyses and interpretation on a screen Automatic analysis and interpretation in compliance with EN60601-2-51 (CSE base) Detection of heart pacemaker peaks Acoustic signalling of detected beats 07-101-0044 12 standard leads according to Eithoven, Goldberg, Wilson and Cabrer Automatic and manual 3/6/12 channels Settable printout accuracy – thickness of printed curve lines In-built A4 printer A4 printout directly on an external PCL5/6 printer option	

(ASPEL / POLAND)



<u>S.NO</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL</u>
18	<u>SUCTION MACHINE</u> <u>Model: SAM - 35</u>	40Nos	Rs. 160,000/= Each.	Rs.6,400,000/=

Operating Theatre Suction
Unit with two 04 Ltrs Polycarbonate
Jars. Maximum Suction 635 mmHg
With Flow Rate at 45 L/ Min (Mounted on wheels)
Voltage 230V +/- 10% ~ 50/60 Hz
110v + /~ 5% ~ 50/60 Hz
Vacuum 0 to 0.9 bar / 0 to 675 mmHg
Flow rate 50 l/min
Collection Jars 2x4 litre
H x W x D cm 84 x 43 x 33 for 2x4 litre
Weight 25 kg
Noise Level 65Db
(MG MEDICAL / UK)

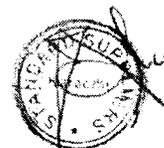
20	<u>NEBULIZER HEAVY DUTY</u> <u>Model : NIVEC III</u>	10Nos	Rs.75,000/= Each.	Rs.750,000/=
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The NIVEC III is a first class unit for
Treatment and relief of respiratory ailments
and is designed principally for domestic use,
it is equipped with a powerful piston compressor
that does not need lubrication. The unit is reliable,
resistant and noise free and also includes a flow
regulator with air filter to be periodically replaced
(every 70 application)
The unit is built in compliance with current
European manufacturing and safety Standards for
Electro Medical equipment (60 601 – 1). The
NIVEC III is supplied with the following accessories
Nebulising bulb with mouth piece, nasal prong, mask
And connection tubing.

(MG ELECTRIC / UK)

The bottom section of the page contains several handwritten signatures and a circular stamp. One signature is a large, stylized 'A' or 'L' shape. Another is a smaller, more complex scribble. To the right, there is a circular stamp with the text 'MG ELECTRIC' around the perimeter and some illegible text in the center. There is also a small, simple mark resembling a 'Y' or a checkmark.

<u>S.NO</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL</u>
21	<p><u>SONICAID TEAM</u></p> <p>8.4" Colour Touch screen High resolution display can be viewed From a distance even in brightly or dimly lit environments. Wide viewing angle Can be used with gloves on.</p> <p>Multi Functional Display Toggle between "BIG Numbers" and FHR trace Display modes. On screen trace review & scrolling with clear colour separation of multiple traces</p> <p>Integral Battery Ideal for monitoring during transfer Essential where mains power is unreliable Provides up to 4 hours use.</p> <p>Maternal Vital Signs Maternal heart rate NIBP SPO2</p> <p>Patient Records Patient database On screen GA calculator (LMP, GA, EDD) Integrated software system interface (HUNTLEIGH / UK)</p>	05Nos	Rs.750,000/= Each	Rs.3,750,000/=
42	<p><u>ANAESTHESIA MACHINE (BRAND NEW)</u></p> <p><u>WITH VENTILATOR AND ONE VAPORIZER</u></p> <p><u>MODEL:-PENLON PRIMA 450 / AVS</u></p> <p><u>VENTILATOR (LATEST STATE OF THE ART)</u></p> <p>The Prima 450 Anaesthesia System has a strong core specification including integrated AV-S Ventilator and A200SP Absorber. backbar (two station backbar.)</p> <ul style="list-style-type: none"> - Fully compliant to ISO 80601-2-13 Standard and to the Restrictions of Hazardous Substances (RoHS) Directive. <p>Flow control and visualisation</p> <p>The Prima 450 offers a wide range of options:</p> <ul style="list-style-type: none"> - Standard/cascade flow tubes - Cascade flow tubes with electronic flow display providing numeric representation of gas flow - Virtual Flow Display (VFD) - numeric and graphic representations of flow tubes complete with virtual spinning bobbins, and a traditional total flow tube <p>All models utilise a proven conventional control system with a mechanical anti-hypoxic system giving enhanced patient safety. Models with an electronic flow display or Virtual Flow Display also have Hospital Information Systems (HIS) capability*.</p> <p>Virtual Flow Display also provides touch screen control of back lighting, and under shelf lighting; audible and visual alarms and has battery back up.</p> <p>01 Delta Sevorane Vaporizer (Service Free) Pour Fill 01 No Magills circuit complete with one mask</p>	01No	Rs.1,950,000/= Each	Rs.1,950,000/=



S.NO

DESCRIPTION

QTY

UNIT PRICE

TOTAL

System components

A reliable platform, combining advanced features and value for money. The Prima 450 is easy to use and maintain, with proven performance.

Reusable Magill's Circuit.

2 A200SP Absorber

A high performance absorber with a ventilator interface as standard that provides ventilator mode switching, triggered by the bag/ventilator control. The unit has a quick-release canister, and the main components are autoclavable.

Award winning, high performance market leader, offering multi-choice fill system options

(PENLON / UK)

AANESTHESIA VENTILATOR

Model :-AVS

Make :- PENLON /UK

Colour Anesthesia Ventilator

With Built – in Oxygen Monitor,

Complete with adults & peds bellows (Tidal volume from 5 ml to 1600 ml)

Ultra – accurate Spirometry

With advance Ventilation (SIMV,SMMV and PSV)

-Battery Backup 60 Minutes

-Combines sophistication and ease of use,

-Large 12" colour Touch screen and com-wheel control,

- Built in heater

-Volume and Pressure Ventilation plus SMMV,SIMV,PSV and PEEP

-Single / dual waveform display

-High quality , multi-option product with flexible specification

-Integrated Oxygen Monitor and spirometry

- Inverse I:E Ratio capability

-Electronic PEEP

-Autoclavable Latex free bellows

-Oxygen or Air drive gas

- Operation Manual

(PENLON / UK)



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-Oxygen or Air drive gas

- Operation Manual

(PENLON / UK)



TERMS & CONDITIONS: -

WARRANTY: -

As per tender requirements.

AFTER SALES SERVICES: -

Even after the warranty period, we take full responsibility for After Sales Service.

DELIVERY: -

Within 10 to 12 weeks after receipt of your firm order.-

PAYMENT: -

As per tender requirements.

VALIDITY: -

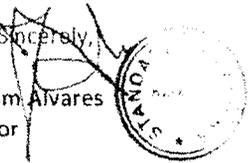
As per tender requirement.

We trust you will find our offer acceptable and look forward to receiving your valued order soon.

Assuring you of our best attention and services at all times.

Yours Sincerely,

Joaquim Alvares
Director



A large, stylized handwritten signature in black ink, consisting of a long horizontal stroke followed by a loop and a vertical stroke.



STANDARD SUPPLIERS

Supplier of Medical Equipments/Medical Pipeline System/Hospital Furniture/Medicines



OUR REF:- SS – 001046/2018
DATED:- 22/03/2018

Medical Superintendent
Peoples Medical College Hospital
Nawabshah - Shaheed Benazirabad

Dear Sir,

FINANCIAL BID
PROCUREMENT OF MACHINERY & EQUIPMENT (SUPPLY & INSTALLATION) 2018
DU: ON 26.03.2018

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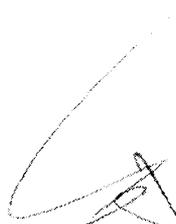
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01	<u>ECG MACHINE</u> <u>3 /6 /12 CHANNEL</u> Model Mr. Gold Product Display Analysis and interpretation Heart pacemaker detection Product code ECG signals Working mode Printout	10Nos	Rs.260,000/= Each	Rs.2,600,000/=
			Electrocardiograph AsCARD Gold3 v.201 Full-colour, graphical TFT 10.4" 480x640 with a touch panel Presentation of 12 leads on a screen Reviewing saved examinations on a screen Presentation of analyses and interpretation on a screen Automatic analysis and interpretation in compliance with EN60601-2-51 (CSE base) Detection of heart pacemaker peaks Acoustic signalling of detected beats 07-101-0044 12 standard leads according to Eithoven, Goldberg, Wilson and Cabrer Automatic and manual 3/6/12 channels Settable printout accuracy – thickness of printed curve lines In-built A4 printer A4 printout directly on an external PCL5/6 printer option	

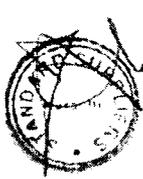
(ASPEL / POLAND)



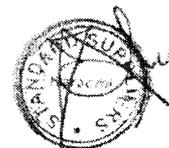
<u>S.NO</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL</u>
18	<p><u>SUCTION MACHINE</u> <u>Model: SAM - 35</u></p> <p>Operating Theatre Suction Unit with two 04 Ltrs Polycarbonate Jars. Maximum Suction 635 mmHg With Flow Rate at 45 L/ Min (Mounted on wheels) Voltage 230V +/- 10% ~ 50/60 Hz 110v + /~ 5% ~ 50/60 Hz Vacuum 0 to 0.9 bar / 0 to 675 mmHg Flow rate 50 l/min Collection Jars 2x4 litre H x W x D cm 84 x 43 x 33 for 2x4 litre Weight 25 kg Noise Level 65Db (MG MEDICAL / UK)</p>	40Nos	Rs. 160,000/= Each.	Rs.6,400,000/=

20	<p><u>NEBULIZER HEAVY DUTY</u> <u>Model : NIVEC III</u></p> <p>The NIVEC III is a first class unit for Treatment and relief of respiratory ailments and is designed principally for domestic use, it is equipped with a powerful piston compressor that does not need lubrication. The unit is reliable, resistant and noise free and also includes a flow regulator with air filter to be periodically replaced (every 70 application) The unit is built in compliance with current European manufacturing and safety Standards for Electro Medical equipment (60 601 – 1). The NIVEC III is supplied with the following accessories <u>Nebulising bulb with mouth piece, nasal prong, mask</u> <u>And connection tubing.</u> (MG ELECTRIC / UK)</p>	10Nos	Rs.75,000/= Each.	Rs.750,000/=
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<u>S.NO</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL</u>
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42	<p>ANAESTHESIA MACHINE (BRAND NEW)</p> <p>WITH VENTILATOR AND ONE VAPORIZER</p> <p>MODEL:-PENLON PRIMA 450 / AVS</p> <p>VENTILATOR (LATEST STATE OF THE ART)</p> <p>The Prima 450 Anaesthesia System has a strong core specification including integrated AV-S Ventilator and A200SP Absorber, backbar (two station backbar.)</p> <p>- Fully compliant to ISO 80601-2-13 Standard and to the Restrictions of Hazardous Substances (RoHS) Directive.</p> <p>Flow control and visualisation</p> <p>The Prima 450 offers a wide range of options:</p> <p>- Standard/cascade flow tubes</p> <p>- Cascade flow tubes with electronic flow display providing numeric representation of gas flow</p> <p>- Virtual Flow Display (VFD) - numeric and graphic representations of flow tubes complete with virtual spinning bobbins, and a traditional total flow tube</p> <p>All models utilise a proven conventional control system with a mechanical anti-hypoxic system giving enhanced patient safety. Models with an electronic flow display or Virtual Flow Display also have Hospital Information Systems (HIS) capability*.</p> <p>Virtual Flow Display also provides touch screen control of back lighting, and under shelf lighting; audible and visual alarms and has battery back up.</p> <p>01 Delta Sevorane Vaporizer (Service Free) Pour Fill</p> <p>01 No Magills circuit complete with one mask</p>	01No	Rs.1,950,000/= Each	Rs.1,950,000/=



S.NO

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(PENLON / UK)

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Make :- PENLON / UK

Colour Anesthesia Ventilator

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Complete with adults & paediatric bellows (Tidal volume from 5 ml to 1600 ml)

Ultra – accurate Spirometry

With advanced Ventilation (SIMV, SMMV and PSV)

- Battery Backup 60 Minutes

- Combines sophistication and ease of use,

- Large 12" colour Touch screen and com-wheel control,

- Built in heater

- Volume and Pressure Ventilation plus SMMV, SIMV, PSV and PEEP

- Single / dual waveform display

- High quality, multi-option product with flexible specification

- Integrated Oxygen Monitor and spirometry

- Inverse I:E Ratio capability

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- Oxygen or Air drive gas

- Operation Manual

(PENLON / UK)



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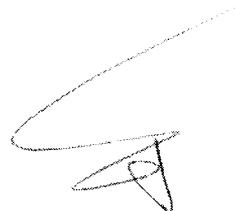
-Electronic PEEP

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-Oxygen or Air drive gas

- Operation Manual

(PENLON / UK)





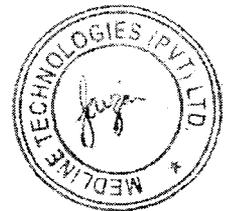


**MEDLINE
TECHNOLOGIES
(PVT.) LTD.**

Karachi
95-C, Block 2, F.E.C.H.S.
Off Shahr-e-Qadreen
Karachi-75400, Pakistan
Tel: 021-34531109, 34541432-4
Fax: 021-34311486

Lahore
238, Sattuj Block
Near Moon Market
Allama Iqbal Town
Lahore-54570, Pakistan
Tel: 042-37890130

ITEM NO.	DESCRIPTION	MODEL	MAKE	QTY	UNIT PRICE (DDP PKR)	TOTAL PRICE (DDP PKR)
5	Patient Attendant Bench	115-K-00	Strongman (Pakistan)	50	Rs 11,000 Rupees Eleven Thousand Only	Rs 550,000
7	Hi-Low Stretcher Trolley	412-K-00	Strongman (Pakistan)	2	Rs 54,000 Rupees Fifty Four Thousand Only	Rs 108,000
8	Wheel Chair Fixed	418-D-00	Strongman (Pakistan)	30	Rs 18,500 Rupees Eighteen Thousand Five Hundred Only	Rs 555,000
15	Examination Couch	300-K-00	Strongman (Pakistan)	6	Rs 18,500 Rupees Eighteen Thousand Five Hundred Only	Rs 111,000



Continued on next page...



**MEDLINE
TECHNOLOGIES
(PVT.) LTD.**

Karachi
25-C, Block 2, PECHS,
Off Shahrah-e-Qadeem
Karachi-7420, Pakistan
Tel: 021 3451199, 34541432-4
Fax: 021 34311486

Lahore
238, Saeed Block
Near Moon Market
Allama Iqbal Town
Lahore-54570, Pakistan
Tel: 042 37800130

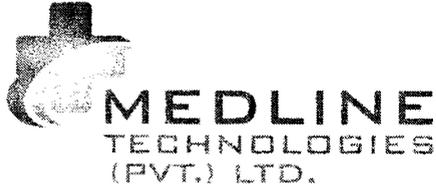
ITEM NO.	DESCRIPTION	MODEL	MAKE	QTY	UNIT PRICE (DDP PKR)	TOTAL PRICE (DDP PKR)
16	Bed with Mattress	102-KR-P	Strongman (Pakistan)	30	Rs 58,000 Rupees Fifty Eight Thousand Only	Rs 1,740,000

Terms & Conditions:

As per our Technical Bid and Bidding Documents.

For Medline Technologies (Pvt.) Ltd.





Karachi
95-G, Block 7, P.T.C.H.S.,
Offi Shahrab-e-Qasidien
Karachi-75400, Pakistan
Tel: 021-34531109, 34541432-4
Fax: 021-345311486

Lahore
238, Saffaj Block
Near Moon Market
Allama Iqbal Town
Lahore-54570, Pakistan
Tel: 042-37600130

FINANCIAL PROPOSAL
REF: No. PMCH-5853/55

To
Medical Superintendent
Peoples Medical College Hospital
Nawabshah
Shaheed Benazirabad

Dated: 26-Mar-2018
Ref. No. TMT/2018/014

REF: Tender for Purchase of Furniture and Fixture to be installed at Peoples Medical College Hospital, Nawabshah-Shaheed Benazirabad for the Financial Year 2017-2018 due on 26.Mar.2018 at 12:00PM.

ITEM NO.	DESCRIPTION	MODEL	MAKE	QTY	UNIT PRICE (DDP PKR)	TOTAL PRICE (DDP PKR)
2	Ward Screen, 3 Folds	305-K-00	Strongman (Pakistan)	10	Rs 9,500 Rupees Nine Thousand Five Hundred Only	Rs 95,000
3	Bed Side Cabinet	106-DP-00	Strongman (Pakistan)	12	Rs 13,500 Rupees Thirteen Thousand Five Hundred Only	Rs 162,000
4	Over Bed Table	109-TS-00	Strongman (Pakistan)	12	Rs 10,000 Rupees Ten Thousand Only	Rs 120,000

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ITEM # 1
ECG MACHINE 6 CHANNEL TECHNICAL
MODEL # EPG 6 VIEW
MAKE # PROGETTI - ITALY

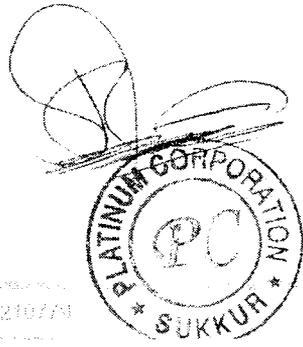
F.O.R PRICE 299,000.00 (Two lac ninety nine thousand only)

C & F EURO 1780.00 (Seventeen hundred eighty only)

- One time record : 3/6 channels
- Width of record : 112mm
- Outside USB printer : printout A4 (210x297)
- Record speed : 5/10/25/50 mm/s
- Sensitivity : 2,5/5/10/20 mm/mV
- Digital filtration of disturbances : 25,35,50,60 Hz
- Display : 5,7" graphic, color TFT 320x240
- Analysis and interpretation : HES compliant with EN 60601-2-51
- Internal memory : >300 tests
- Alphanumeric keyboard
- Detection of stimulator impulses (pacemaker)
- Automatic regulation of isoelectric line
- Constant measurement of heart action (HR)
- Acoustic signalization of detected stimulations
- Paper easy-load
- Record of test copy on PENDRIVE, in standard EN1064 (ECG-SCP)
- Signalization of wrong connection with particular electrodes
- Available versions in national languages
- CMMR : >100dB
- Sampling Frequency : 1000 Hz
- Converter : 12bit
- Resolution : 0,25uV/bit
- Input impedance : >10 MΩ
- Dynamic range : 10mVpp
- Frequency band : 0,05-150 Hz
- Leads : 12 standard/ Cabrera

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Specification: 11.1V 2600mAh

Charging time: 5h (under OFF state)

Working time: ≥ 9 h (after completely charging the new battery, when the environment temperature is 25°C and flow rate is 25ml/h, the constantly working time)

Alarm

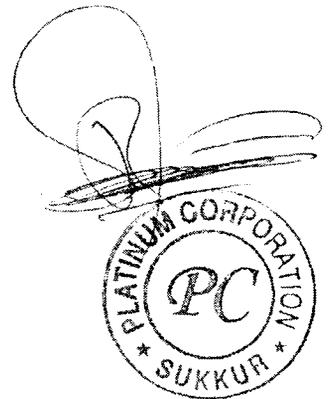
- Visual and audible alarms information: VTBI near end, VTBI infused, Pressure high, Check upstream, Battery nearly empty, Battery empty, No battery inserted, No power supply, Reminder alarm. Standby time expired, KVO finished, Drop sensor connection, Drop error, Air bubble, Door Open

Environment

- Operating: temperature: 5-40° C
humidity: 20-90%, non-condensable
atmospheric pressure: 86-106kPa
- Transport & Storage: temperature: -20-60° C
humidity: 10-95%, non-condensable
atmospheric pressure: 50-106kPa

Optionals

IrDA, WIFI, drop sensor, docking station and intravenous central station.

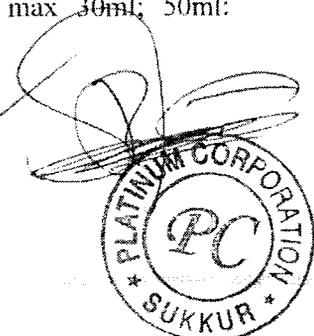
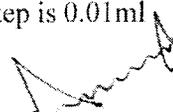


ITEM # 7
SYRINGE PUMP TECHNICAL
MODEL # PG – 907S
MAKE # PROGETTI - ITALY

F.O.R PRICE PKR 173895.00 (One lac seventy three thousand eight hundred ninety five only)
C&F EURO 1190.00 (Eleven hundred ninety only)

Specification:

- Display: 4.3" TFT color touch screen
- Infusion mode: 7 modes available (ml/h, body weight, TIVA, loading dose, ramp up/down, sequence and relay mode)
- Micro mode: 100 ml/h – 1200 ml/h, programmable
- Infusion rate range: 0.01 – 1500 ml/h depending on syringe size with min increment 0.01 ml/h
- Compatible syringes: 5ml, 10ml, 20ml, 30ml , 50/60ml
- System accuracy: $\geq 1\text{ml/h}$, $\pm 2\%$
- Infusion rate: Syringe size 5ml: (0.01-100) ml/h; 10ml: (0.01-200) ml/h; 20ml: (0.01-400) ml/h; 30ml: (0.01-600) ml/h; 50ml: (0.01-1500)ml/h
- Bolus rate: Syringe size 5ml: (0.1-100) ml/h; 10ml: (0.1-200) ml/h; 20ml: (0.1-400) ml/h; 30ml: (0.1-600) ml/h; 50ml: (0.1-1500)ml/h
- Purge rate: Syringe size 5ml: 100 ml/h; 10ml: 200 ml/h; 20ml: 400 ml/h; 30ml: 600 ml/h; 50ml: 1500 ml/h
- KVO rate: 0.01-5.00ml/h default value is 1 ml/h
- Micro mode settings range: Syringe size 5ml: (100-100) ml/h; 10ml:(100-200) ml/h; 20ml: (100-400) ml/h; 30ml: (100-600) ml/h; 50ml: (100-1500)ml/h
- Minimum flow rate increment: 0.01ml/h
- Bolus: Manual bolus and programmable bolus, anti-bolus support
- Bolus Volume: Syringe size 5ml: Minimum 0.1ml, max 5ml; 10ml: Minimum 0.1ml, max 10ml; 20ml: Minimum 0.1ml, max 20ml; 30ml: Minimum 0.1ml, max 30ml; 50ml: Minimum 0.1ml, max 50ml
- VTBI: 0-9999ml, minimum step is 0.01ml
- Total Volume Infused: 0.01-9999.99ml, minimum step is 0.01ml



- Time Range: 1min-99hrs59min
- Purge: 100-1500 ml/h depending on syringe size
- Occlusion levels: 12 levels
- History records: More than 5000 records
- Other functions: Nurse call, RS232, data export
- Interface: Mini USB
- Dimensions: 394(W)*90(D)*123(H) mm
- Weight: 1,7kg

Power Supply

- AC power supply: 100-240V 50/60Hz
- Input power: 50VA
- DC power supply: DC 15V lithium battery
- Battery Specifications: Model: DC 203

Specification: 11.1V 2600mAh

Charging time: 5h under OFF state

Working time: ≥12h (after completely charging the new battery, when the environment temperature is 25°C and flow rate is 5ml/h, the constantly working time)

Alarm

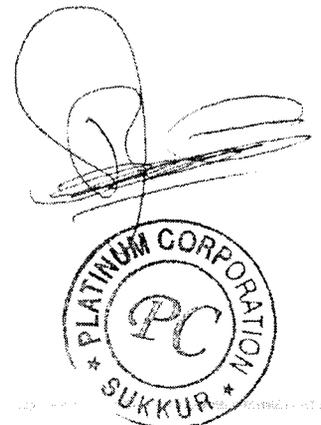
- Alarm information: VTBI near end, Syringe near empty, VTBI infused, syringe empty, pressure high, battery nearly empty, battery empty, no battery inserted, no power supply, check syringe, reminder alarm, Standby time expired, KVO finished

Environment

- Operating: temperature: 5-40° C
humidity: 20-90%, non-condensable
atmospheric pressure: 86-106kPa
- Transport & Storage: temperature: -20-60° C
humidity: 10-95%, non-condensable
atmospheric pressure: 50-106kPa

Optionals

- IrDA, WIFI, drop sensor, docking station and intravenous central station.



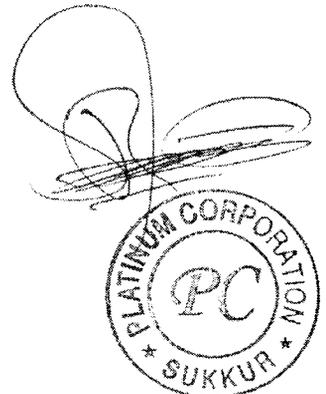
ITEM # 08
CENTRAL MONITORING STATION TECHNICAL
MODEL # PG M6000C
MAKE # PROGETTI - ITALY

F.O.R PRICE **PKR 1650000.00 (Sixteen lac fifty thousand only)**
C&F **EURO 9200.00 (Nine thousand two hundred only)**

- Features
- Central Monitoring System is kind of intelligent central multi-bed
- and multi-physiological parameter monitoring system, connected by network
- with beside units, suitable for performing continuous monitoring of several
- patients in CCU and ICU wards simultaneously.
- Large storage capacity
- 96 hours holographic ECG waveform storage and Replay
- 240 hours trend graph review
- alarm record
- 30.000 patient historical data
- Alarm data saves all physiological parameters and waveforms
- 12 seconds before and after the alarm
- Strong printing function
- Support various kinds of printers
- Can print case reports at any time so as to timely master the
- patient's info
- Copy screen print for single bed, with 13 channels of waveform at
- most
- Data review print including the trend graph review, trend list replay, ECG
- review and alarm incident review
- Easy and convenient operation
- Large font screen
- Provide indication of probe detachment
- Provide detailed notes to facilitate operation
- Can record, search and classify the abnormal ECG events
- Bi-directional communication with bedside unit
- Central Unit able to remotely control the bedside unit to



- measure BP
- Technical specifications
- In accordance with IEC60601 standard
- Power supply: AC 100-120 / 200-240V, 50/60 Hz
- Minimum system requirements
- Intel Pentium IV 2.4GHz CPU or above
- 256MB RAM or above
- Windows 2000+SP4 or Windows XP + SP2 system
- 80GB Hard disk or above
- 40X CD-ROM or above
- 17" TFT, Resolution: 1280 x 1024, 75Hz (4:3) non-interlaced scanning
- Computer configuration could be defined and updated
- Network management
- Wire connect:
 - TCP/IP protocol
 - 10/100 Base-T Ethernet
 - Connected to PG M7000 / PG M9000 / PG M9500 / PGM60 / PGM80
- Connected bedside unit number: up to 66 bedside monitors
- Connection can use the available network system of the Hospital
- Wireless connect:
 - Working frequency band is 433.92MHz
 - The reliable clear view distance indoor is 30 meters in semi diameter, with relay station reaches above 1000 meters
 - Can collect and display several physiological parameters and
- Show 3 waveforms measured by bedside unit
- Connected bedside unit number: up to 16 bedside monitors
- Performance
- Waveform: ECG (I, II, III, aVR, aVL, aVF, V1-V6) RESP, Co2,
- IBP1, IBP2, SpO2
- Parameter: HR,RR, NIBP, IBP, SpO2, PR, TEMP, CO2 (EtCO2, FiCO2), Anesthetic Gas (O2, N2O, 5AA)
- Sweep speed: 12.5mm/s, 25mm/s, 50mm/s user –adjustable
- View bed: Up to 66 waveforms for 32 bedside monitors (dual-screen display)



- Possible to select required beds and automatically align the screen windows
- All waveform presentation for one patient
- Oxy CRG display
- 7-leads or 12-leads ECG waveform display
- Waveform frozen
- Remote Monitor Control
- Bi-directional communication
- Central Unit able to remotely control the bedside unit to measure BP
- Alarm
- Alarm limits can be set up for all parameters
- Sound and indicator light alarms are provide for exceeding the limit of: HR / RESP / SPO2 / PULSE / BP / TEMP / Co2
- Alarm waveform saves all the physiological parameters and Waveforms before and after the alarm
- Arrhythmia alarm
- Support input and output alarm data
- Review information
- 96 hours holographic ECG waveform storage and replay
- 240 hours trend data storage and replay for each bedside unit
- records of alarm messages storage and replay for each bedside unit
- 30.000 history patient monitoring information
- Calculations
- Drug calculation and titration table
- 17 types of arrhythmia analysis



ITEM # 9

O.T TABLE FOR GYNE AND UROLOGY TECHNICAL

MODEL # SURGITABLE-4

MAKE # ATA SURGICAL - FRANCE

F.O.R PRICE **PKR 3875000.00 (Thirty eight lac seventy five thousand only)**
C&F **EURO 24900.00 (Twenty four thousand nine hundred only)**

- Radiolucent tabletop.
- Built-in X-ray Cassette Channels
- Table length 2100mm
- Table width 500 mm or more with rails.
- Table Height (min) 690 mm to (max) 1040 mm
- Lateral tilt - 20 / +20 degree or more
- Trendelenburg-25/+25° maximum from horizontal
- Reverse Trendelenburg 25° maximum from horizontal
- Back rest adjustment up 80°/+12° max
- Leg plate adjustment up 10°/100°/100° maximum.
- Flex / Reflex 192°/100°
- Sliding Table Top Upto310mm
- Auto Leveling
- Spread of split leg plates 90 degree.
- Manual Head plate adjustment -90 / +90 degree.
- Patient Weight capacity 200kg or more.
- Central Break
- Kidney Bridge 120mm height
- Manual Over Ride
- Complete with : Anesthesia Screen, Arm Boards ,lithotomy pole, drain pen, Basic Straps , Safety Clark Sockets
- Complete High Quality S.S Base
- Battery backup Up to 4Hrs



ITEM # 10

O.T LIGHT- DOUBLE DOOM SURGICAL LIGHT WITH BATTERY

MODEL # LED-7W5W

MAKE # ATA SURGICAL - FRANCE

F.O.R LIGHT with camera option 3665000.00 (Thirty six lac sixty five thousand only)

F.O.R CAMERA SYSTEM 320000.00 (Three lac twenty thousand only)

C&F LIGHT EURO 23500.00 (Twenty three thousand five hundred only)

C&F CAMERA SYSTEM EURO 2000.00 (Two thousand only)

LIGHT -1

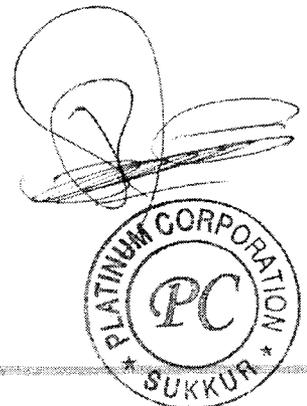
- Dimension Cupola: 700mm
- Light Intensity : 160,000 LUX at 1 meter

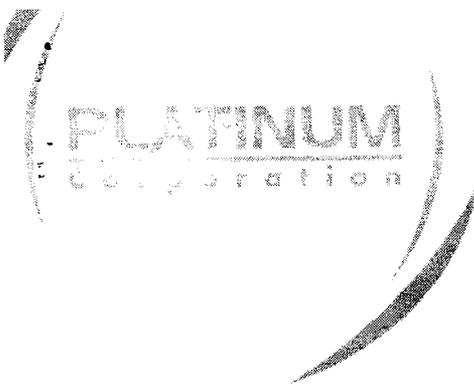
LIGHT -2

- Dimension Cupola: 500mm
- Light Intensity : 90,000 LUX at 1 meter
 - Color Temp: Adjustable from 3500 to 5000K
 - Color rendering Index: ≥ 93
 - Diameter of light spot: 120-350 MM
 - Illumination Depth: 700-1500 MM
 - LED Service Life: 50000 Hours
 - Control Via LCD
 - Battery Backup: ≥ 2 Hours

CAMERA:

- Resolution: ≥ 200 Megapixel 920 x 1080
- Communication Mode: RS232
- Communication Protocol: HITACHI/SONY/VISCA or Equivalent
- Connector: LVCMOS-36PFPC
- Compatibility: 110/LVDS/30P
- Sensor Type: 1/2.9" CMOS
- Scan Mode: Progressive Scan
- Day and night system: Color/Black and white/Automatic
- Minimum Illumination: Color 0.1 Lux, Black and white: 0.01LUX





- Exposure Mode : A/M
- White Balance: Automatic/Indoor/Manual
- Focus Mode: A/M
- Gain Control: A/M
- Picture Effect: Automatic/Color/Black and white/Negative

Electronic Amplification

- Back Light Compensation: On/OFF

Image Freeze:

- Mirroring Function: Support (Horizontal Mirror + Vertical Mirror)
- Image Rollovers: Support

Generic Specification:

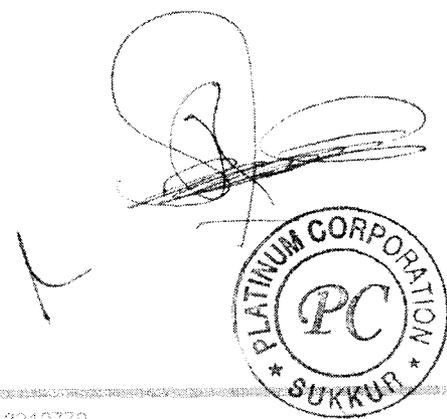
- Dimension: 56(W) x 56 (H) x 110 (L) MM
- Work Temperature And Humidity: -10C ~ 50C, 10% RH ~ 60%
- Storage Temperature and Humidity: -20C ~ 60C, 10%RH ~ 80%RH
- Synchronization Mode: Inter-Sync
- Video Output: Digital Signal
- SNR: ≥ 50DB (AGC OFF)

LENS

- IRCUT : IRCUT Double Filter Automatic Switching
- Automatic Diaphragm: Support
- Optical Lenses : 10X, F=5MM
- Field Angle : H: 47 (W) ~ 5.3 (T), V : 35.6 (W) ~ 3.96 (T)

Blank Screen:

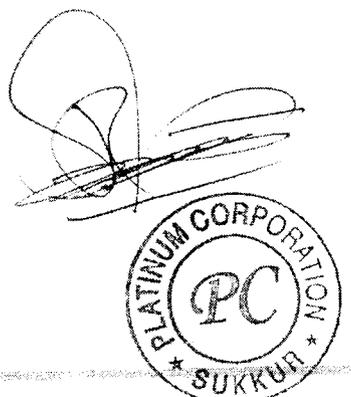
- Wide Dynamic : D-WDR
- DNR : 2D-DNR
- Electronic Shutter : 1/30S~1/10,000S
- Control Ratio : Adjustable
- Anti-Fog Function : Support
- Marginal : Support



LCD Monitor

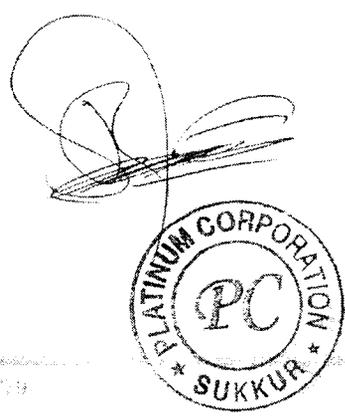
Screen Size : $\geq 20.5"$
Display Area : 475.2mm (W) x 267.3mm(H)
Max Resolution : 1920 x 1080
Display Color : 16.7 M
Pixel Pitch : 0.2475 (H) x .2475 (V)
Luminance : 300 cd / m²
Viewing Angle : 85/85/75/65
Response Time : ≤ 9 MS
Field Frequency : 50Hz, 60Hz, 70Hz

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- Input channels : floating, protected from impulse defibrillating CF
- Power : 90-240V, 50/60Hz
- Inside rechargeable battery: Li-ion 7,2V; 2200mAh Li-ion
- Power consumption : <30VA
- Dimensions: 260W x52H x220D mm
- Weight : < 1,8 Kg
- Fulfilled standards : EN 60601-1, EN 60601-1-2, EN 60601-2-25, EN 60601-2-51
- Safety : protection type CF (EN60601-1) Class I
- Class / Group : Class A / Group 1 (CISPR-11)
- Operating environmental conditions :
 - Temperature +10 to +40 °C
 - Relative humidity 25 to 95% (non-condensing)
- Patient cable
- Electrodes set
- Gel flacon - Paper roll
- Power cable
- User manual
- PC software for data management
- Carryng case



ITEM # 11
PORTABLE OT LIGHT TECHNICAL
MODEL # NX3
MAKE # ACEM ITALY

F.O.R PRICE **PKR 1093500.00 (Ten lac ninety three thousand five only)**

C&F PRICE **EURO 6900.00 (Six thousand nine hundred only)**

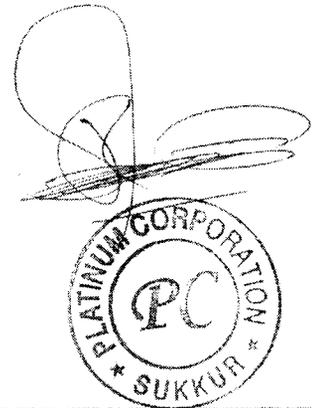
- Diameter of Cupola 500mm
- Light Intensity $\geq 60,000$ LUX at 1 Meter
- Color Temp Adjustable from 3500 to 5000 K
- Color Rendering Index ≥ 93
- Diameter of light spot 120-350 mm
- Illumination depth 70-1500 mm
- LED Service Life 50000 hours
- With battery backup



ITEM # 13
AUTOCLAVE B CLASS TECHNICAL
MODEL # PG- STERIL
MAKE # PROGETTI – ITALY

F.O.R PRICE **PKR 890000.00 (Eight lac Ninety thousand only)**
C&F **EURO 5800.00 (Five thousand eight hundred only)**

- Smart with multi safety protection Functions
- Built-in printer
- 24Litre7. Six-procedure and Automatic process
- Integrated Self-contained Steam Generator (Better Steam Infusion)
- Six-procedure and Automatic process
- Intelligent Vacuum Drying
- Double water pumps
- Double condensers
- Double fans,
- Detachable Rear Panel

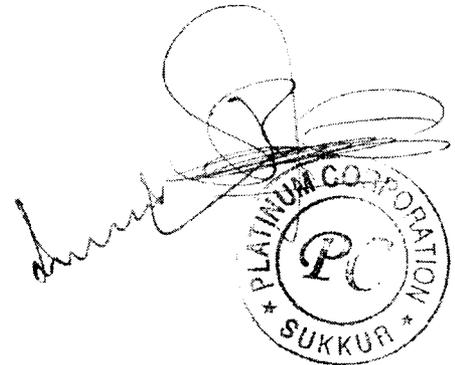


ITEM # 18
SUCTION MACHINE HEAVY DUTY TECHNICAL
MODEL # ASKIR – 30C
MAKE # CA-MI - ITALY

F.O.R PRICE **PKR 157650.00 (One lac fifty seven thousand six hundred fifty only)**
C&F **EURO 950.00 (Nine hundred fifty only)**

- Two 2000 ml Autoclavble PC collection jar with over
- Flow valve system
- 5 caster stand with brakes
- Antibacterial and hydrophobic filter
- 1 Vacuum indicator (kPa and bar)
- 1 Vacuum regulator
- Silicone autoclavable tubes

Motor	Oiless and maintenance-free piston pump
Power Feeding	230V-50 Hz
ISO 10079- 1Classification	HIGH VACUUM / HIGH FLOW
Max free air flow rate	40 l/min
Max Vacuum (adjustable)	-0.80 Bar -80 kPa -600 mmHg
Noise Level	61,5 dB
Power consumption	110 VA
Fuse	1 x F 4 A 250 V
Duty cycle	Non-stop operation
Weight	6,5 Kg
Size	32x99x30 cm



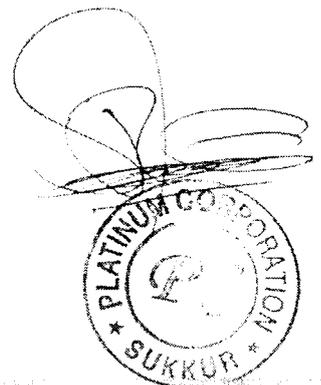
ITEM # 19

**PC BASED ETT MACHINE TECHNICAL
MODEL # PG STRESS
MAKE # PROGETTI – ITALY**

**F.O.R PRICE PKR 1895000.00 (Eighteen lac ninety five thousand only)
C&F EURO 12500.00 (Twelve lac five hundred only)**

System Windows® based

- Automatic control of treadmill and ergometers
- Leads view in 3, 4, 6 or 12 leads screen formats
- Storage of all data in the hard drive, allowing access to the original test results at any time for future review or printing
- Arrhythmia detection
- Calculation of average ECG complexes on regular intervals and their superimposition on a reference ECG complex, which highlights ST changes in details
- ST measurements on 12 leads
- Adjustable ST measurement point
- ST, STj, STj+60, STj+80, Heart Rate, Mets, Pressure and ST/HR trends
- Heart frequency dependent ST measurement and analysis
- Automatic storage of rhythm strips at steps changing or manually throughout the test
- Alarms: ST alarm on 12 leads, Heart Rate, pressure and double product
- On line 12 channels average heart cycle configuration
- Blood Pressure entrance and display of trend
- External module for automatic NIBP measurement (optional)
- Preprogrammed protocols, included Bruce, Modified Bruce, Balke, Ellestad
- Modify or add unlimited customized protocols for treadmill or pharmacological stress test reports and print out
- Print out format in 12 leads, 6+6 leads, and 6-6 leads+AVG including average, trend graphs, tabular reports and overview, using A4 color laser printer
- Review full report online immediately after completing the test



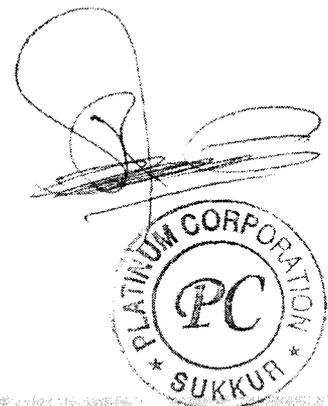
- Real time ECG print-out
- Set up analysis, protocols, printing format and final report customizable
- Digital filters LP, HP, antidrift and notch of high quality for the careful recording without artefacts
- Transmission of traces and reports by email or network sharing
- Direct PDF printing for report storage and viewing
- Email ECG results directly from the PC system
- Automatic calculation of Harvard Step Test

MyECG Amplifier

MyECG Amplifier module is a lightweight, portable device that connects your PC to your patient.

Version:

- SMART ECG (USB)
 - Isolated preamplifier in accordance with CEI 62-5 (IEC 601-1) and CEI 62-15 (IEC 62D)
 - Input impedance > 50 Mohms
 - Defibrillator protection
 - 12 leads acquisition with 512 sampling rate.
 - CMRR > 100 dB
 - Frequency 0.05 - 150 Hz
 - Standard patient cable with 10 wires.
 - Powered by USB port
 - Dimensions: 144x94x20 mm.
 - Weight: 150 gr
- SMART ECG Plus (Bluetooth)
 - Safety Standard in accordance with IEC II/CF
 - Input impedance > 50 Mohms
 - Defibrillator protection
 - 12 leads acquisition with 512 sampling rate.
 - CMRR > 100 dB
 - Standard patient cable with 10 wires.
 - 10m Bluetooth distance
 - Powered by 2* AAA battery
 - Dimensions: 126mm×68mm×24mm
 - Weight: 120 gr





With CardioMed treadmill

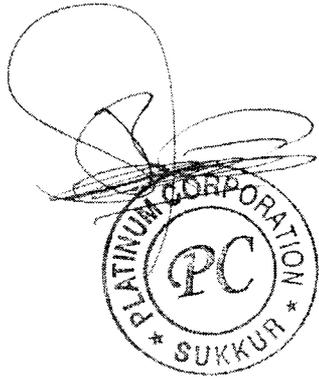
PC configuration

- Operation system: Windows XP
- CPU: Pentium IV
- RAM: 1 GB
- HDD: 500 GB
- Interface: USB port free

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PLATINUM
Corporation

ITEM # 20
NEBULIZER MACHINE TECHNICAL

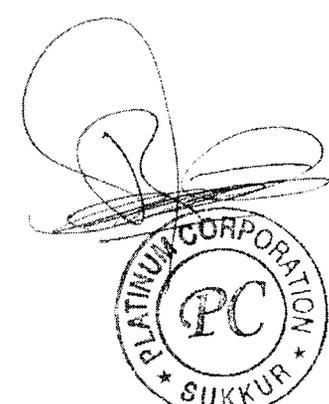
MODEL #
MAKE # CA-MI, ITALY

E.O.R PRICE **PKR 83500.00 (Eighty three thousand five hundred only)**
C&F **EURO 450.00 (Four hundred fifty only)**

- Ultrasonic energy for uniform and highly dense 1-5 microns.
- More than 96% of 0.3 micron or larger air borne dust particles is effectively shut out with the air filter to provide purified air for aerosol nebulization. Medication cup with replaceable diaphragm.
- Easily detachable fan cover and pneumo clean (Air filter).
- Made of highly resistant sterilize able resin.
- Stand with solution bottle for safety.
- Nebulizing rate: 4 ml/min or greater.
- Mist particle size: Approx 1-5 microns.
- Nebulizing time setting: 1-30 min & continuous
- Medication cup capacity: 150 ml.
- Accessories:
- Tray set for nebulizer with tray track and pole mount fitting.

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ITEM # 21
CTG MACHINE TECHNICAL
MODEL # TEAM-3A-NSB
MAKE # HUNTLEIGH – UK

F.O.R PRICE **PKR 1650000.00 (Sixteen lac fifty thousand)**
C&f **GBP 9500.00 (Nine thousand five hundred only)**

- Large high resolution color TFT foldable screen 8.4" or more
- Advanced SpO2 module with equivalent performance
- Large storage capacity
- Basic parameters: FHR, TOCO, AFM, MHR, NIBP, SPO2
- Real time measurement and identification
- Provide convenience and reliability during antepartum.
- 12 hours CTG storage, fast review and print
- Unique design for cable of transducers to avoid intertwisting
- Alarm system: time-over alarm, non-paper alarm, out of range FHR alarm
- Automatically adjustable many kinds of 110mm thermal paper with different specifications
- Wire or wireless connect to central monitoring system
- Low acoustic power, safer to the fetus

Options:

Twins FHR measurement





ITEM # 28
SPIROMETER TECHNICAL
MODEL # PG SPIRO
MAKE # PROGETTI – ITALY

F.O.R PRICE PKR 1135000.00 (Eleven lac thirty five thousand only)
C&F EURO 5800.00 (Five thousand eight hundred only)

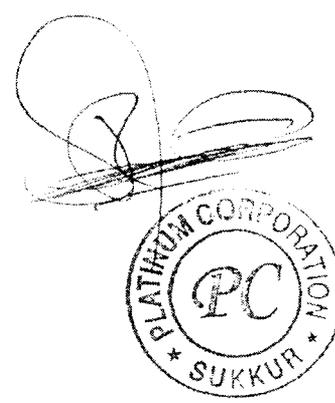
- Flow/volume sensor Bi-directional turbine
- Temperature sensor semiconductor (0-45°C)
- Method of detection Infra-red interruption
- Maximum volume measured 10 L
- Flow rate +/- 16 L/s
- Volume accuracy +/- 3% or 50 mL
- Flow accuracy +/- 5% or 200 mL/s
- Dynamic resistance at 12 L/s <0.5 cmH2O/L/s

- **OXIMETER SPECIFICATION**

- Method of detection Red and infra-red light absorption
- Measuring range of %SpO2 0 – 99% (with 1% increments)
- Resolution of SpO2 1%
- Accuracy of %SpO2 +/- 2% between 70-99% SpO2
- Number of beats for calculating the median SpO2 % 8 beats
- Pulse rate measuring range 18 – 300 BPM
- Resolution of pulse rate 1 BPM
- Pulse rate accuracy +/- 2 BPM or 2% of highest value
- Interval for calculating median pulse rate 8 seconds
- Signal quality 0 - 8 display segments

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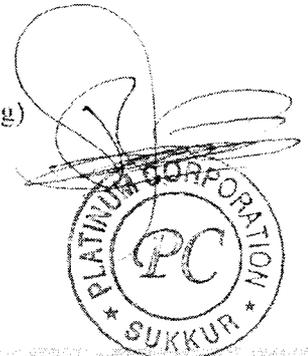


ITEM # 29
ULTRASOUND MACHINE TECHNICAL
MODEL # PG SCAN EXPERT
MAKE # PROGETTI, ITALY

F.O.R PRICE
C&F

PKR 9435000.00 (Ninety four lac thirty five thousand only)
EURO 58500.00 (Fifty eight thousand five hundred only)

- General Specification
- Main Applications: general applications, abdomen, OB, GYN, peripheral vessel, small part, musculoskeletal system, urology, rectal, vaginal, pediatrics,
- cardiac and interventional ultrasound applications, support quantitative analysis.
- Monitor: LCD 19" high resolution non-interlaced monitor, special for medical imaging, support up and down, left and right rotation, LCD 10.4" touchscreen
- Probe Connectors: 4, all activated, automatic recognition.
- Power: AC 220V±10%, 50Hz±1Hz
- Mean Features
- Beam Processing: full-digital Beam Former, more than 1536 digital processing channels, Continuous Dynamic Focus, Real-time Dynamic Aperture, Dynamic Beam Apodization, Dynamic filtering.
- Gray Scale: Imaging Digital Two-dimensional Gray Scale Imaging Unit
- Spectral: Digital Spectral Doppler Display and Analytic Unit
- Color Doppler Imaging: Digital Color Doppler Imaging Unit, including CFM, CDE, Dir. CDE, pulsed Wave Doppler, Continuous Wave Doppler.
- Doppler Measurement: manual, automatic, quantitative, semi-quantitative calculation, automatic and real-time Doppler spectral envelop.
- 2D Deflection: left/right deflection imaging (linear probe), deflection angle: -20° +20°, multi-level adjustable.
- Real-time Contrast of imaging of 2D and color Doppler: real-time contrast and observation of two dimensional image and color doppler image.
- Harmonic Imaging: Digital Harmonic Imaging, Turning (one button optimizing)
- &TDI.
- Duplex & Triplex Imaging Panoramic Trapezoid: support.

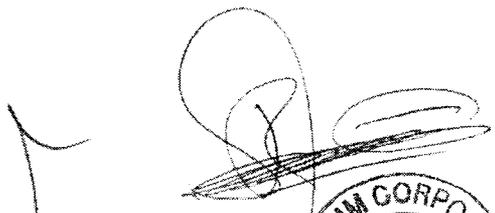


ITEM # 2
BEDSIDE PATIENT MONITOR TECHNICAL
MODEL # PG M9500
MAKE # PROGETTI - ITALY

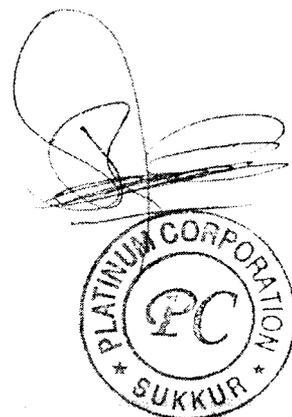
F.O.R PRICE PKR 473,000.00 (Four lac seventy three thousand only)

C&F EURO 3350.00 (Thirty three hundred fifty only)

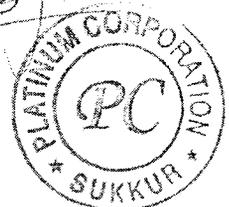
- **SIZE AND WEIGHT**
- Size 366mm X 330mm X 162mm
- Weight 5 kg
- **DISPLAY**
- 15" Color TOUCH TFT-LCD
- Resolution 1024 X 768 pixels or higher
- **POWER SUPPLY**
- Power Voltage AC 100-240V 50/60Hz
- Power Input ≤ 85VA
- Fuse: T1.6AL/250V, Φ5X20 (mm)
- Safety class: Category I
- **BATTERY**
- Type: rechargeable Lithium battery
- Charge time: ≤ 6 hours
- Operating time under normal use and full charge:
- ≥ 120 minutes
- **THERMAL RECORD (OPTION)**
- Method: thermal dot array
- Paper width: 50mm (1.97 in)
- Paper Speed: 12.5/25/50 (mm/sec)
- Traces Maximum: 3 tracks
- **SYSTEM OUTPUT**
- Ethernet Network standard RJ45 socket
- RF Wireless LAN: 433MHz, 10mW (option)
- Nurse call output



- Wide View Imaging: support.
- Integration of three-dimensional imaging: support 3D and 4D.
- Probe Specifications
- Probes:
- Convex (2.0/6.0 MHz)
- Linear (6.5/16.0 MHz)
- Endocavity (4.0/8.0 MHz)
- Probe Characters: Super Broadband Multi-frequency Probe
- Biopsy Guide: support
- 2D image parameters
- 2D Working Frequency: broadband frequency conversion point ≥ 5 .
- Frequency Range: 2.0MHz - 16.0 Mhz. 2D working frequency can be displayed by figure and adjusted separately.
- Display Mode: B, B/B, 4B, B/M, M mode in real-time and freeze state.
- Gray Scale: 256.
- Resolution: lateral resolution ≤ 1 mm, axial resolution ≤ 1 mm, (under 3.5MHz, depth ≥ 80 mm circumstance).
- Dynamic Range: 160db, 40db~160db is visible and adjustable.
- THI: 6 groups THI (two each on convex probe, linear probe and phased array probe)
- Scan Line Control of M type: M mode scanning line capable of rotating 360° around any point on the scanning line.
- Gain Adjustment: B/M, B/D can be adjusted separately.
- TGC: 8 bands
- Zoom: real-time partial magnification, position removable, 10 times magnification, 16 levels adjustable. Max. Display Depth ≥ 30 cm.
- Spectral Doppler
- Mode: PW, CW/TDI
- Blood Flow Rate: PWD: Max. Measurable velocity ≥ 8 m/s, CWD: Max. Measurable velocity ≥ 8 m/s, Min. Measurable Velocity ≤ 2 mm/s (Non-noise signal).
- Display Mode: B/D, M/D, D, B/CFM/D
- Sampling Width: 1mm - 25mm
- Display Control: reverse display (left/right, up/down), Baseline adjustable up and down, D Extension, B/D Extension, partial magnification.



- Color Doppler
- Display Mode: speed, Energy, Speed+Direction, B/CFM B/CFM/PW
- B/CFM/M B/CFM/CW
- Display Angle: $\geq 85^\circ$
- Frame Rate: detectable depth 24cm, full angle, Max 200frame/s
- Display Control: baseline adjustable in 16 levels, B/CFM contrast.
- Others
- Cineloop: Image retrieval, cineloop playback ≥ 1536 frames, playback time $\geq 100s$.
- RTDT: Real-time dynamic transfer of images and videos.
- SVVR: Super volume video recording up to 1 hr.
- Archiving and Record: Management System $\geq 250GHDD$, DVD-RW, USB Disk storage, Built-in ultrasound workstation system (create, store, modify, inquire and print the patient report., which also has expert thesaurus, report templates, etc. Display, store and play image or cine.
- Bodymark: ≥ 95 types, with probe location
- Acoustic Power: ≥ 32 levels adjustable
- Interface: different languages (English, French), Hospital Name, Patient ID, Name, Gender, Age, Date, Time, Probe Model, Probe Frequency, Focus, Gain, Depth.
- Data Communication: DICOM3.0, Dual USB2.0, DVD-RW
- Signal Input and output: AV, S-video, RGB, USB digital signal, VGA, ECG, RS-232. Support PAL, NTSC video standard. Support nearly all printers, including laser printer, digital video printer, analog video printer.
- Software: powerful Measurement Software Package, Integrated Ultrasound Workstation, Specialized Software for 3D/4D.
- Power consumption : $< 30VA$
- Dimensions: 260W x52H x220D mm
- Weight : $< 1.8 Kg$
- Fulfilled standards : EN 60601-1, EN 60601-1-2, EN 60601-2-25, EN 60601-2-51
- Safety : protection type CF (EN60601-1) Class I
- Class / Group : Class A / Group 1 (CISPR-11)
- Operating environmental conditions :
 - Temperature $+10$ to $+40^\circ C$

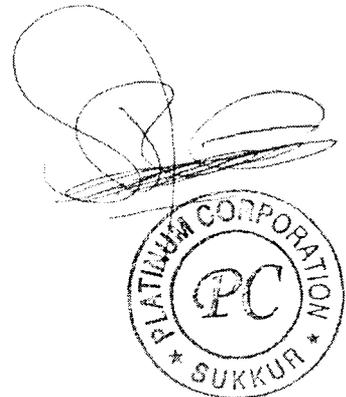




- Relative humidity 25 to 95% (non-condensing)
- Patient cable
- Electrodes set
- Gel flacon - Paper roll
- Power cable
- User manual
- PC software for data management
- Carryng case

OPTIONAL PROBES

- Phased Array (2.0/6.0 MHz)
- Micro-convex
- Electronic 4D probe



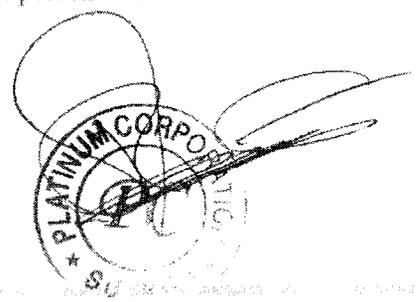


ITEM # 36
EEG POLYGRAPHIC MACHINE
MODEL # EEG202
MAKE # MISTAR – RUSSIA

F.O.R PRICE **PKR. 4150000.00 (Forty one lac fifty thousand only)**
C&F **EURO 31000.00 (Thirty one thousand only)**

- **EEG/Polygraphy Recording Software**
- EEG and Polygraphy 32 channels.
- Straightforward operating by picture symbols (mouse) or PC keyboard
- Optical, graphical and numerical presentation of impedance measurement, can be operated also at the headbox
- Measurement of impedance at any time, storing of all measured impedance values
- Multi-Window technology for simultaneous recording/reviewing
- Network wide presentation of a running record (on-line review)
- Definition of 20 event markers and an unlimited number of comments
- Possibility of infliction of a WAVE file to each marker
- Automatic marking of photic stimulation (programmable)
- Automatic marking of hyperventilation (programmable)
- Input of print marker for subsequent EEG printout
- Automatic stop of recording after a defined recording time and transmission of a network message
- Programmable Macro for EEG recording
- Input of channel-specific comments
- Design and presentation of an unlimited number of EEG montages
- On-line setting of all recording parameters

- **EEG/Polygraphy Review Software**
- Unitary for EEG, digital videometry and long-term EEG
- Straightforward operating by picture symbols (mouse) or PC keyboard
- Design and presentation of an unlimited number of EEG montages and presentation parameters
- Automatic switching of montages according to the recording montage
- Searching for markers, events, notes and time
- Input, shifting and editing of markers
- Automatic paging with variable speed, scroll function



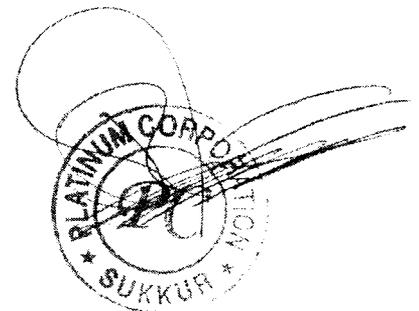
- Presentation of date, time, start time and recording length
- Integrated customized and macro-supported report template
- Simultaneous paging in different records
- Synchronous real time scrolling or paging of video EEG's, high speed or picture wise
- Editable color of EEG and polygraphy traces
- Automatic EEG measuring function for amplitude and dominant frequency
- Zoom of EEG segments including measuring function for amplitude, frequency and time
- Dynamic amplitude mapping of selectable EEG segments
- Frequency analysis of selectable EEG segments
- Frequency mapping of selectable EEG segments and frequency bands
- Export for all numerical analysis results for extended statistical processing
- Import/Export function for different EEG formats.
- Export function for selectable EEG's including viewer software for EEG presentation and reviewing on each PC
- Storing of all analysis segments for subsequent comparisons or re-analysis
- Editor for long-term and video EEG's and storing of edited EEG and video clips.
- Printout of selectable EEG segments, analysis segments and analysis results
- Integration of foreign analysis software by means of EDF data transfer

➤ EEG HEADBOX

- Dynamic range: 0.5 μ V – 1 mV.
- Polygraphic channels (EOG, ECG, RESP, EMG, POS, MIC).
- Dynamic range polygraphic channels 0.8 μ V - 1.57 mV.
- Input impedance: > 20 MW.
- CMRR: > 100 dB.
- Noise: < 2 μ V pp.
- Lower cutoff frequency 0.2 Hz.
- Upper cutoff frequency 300 Hz.
- Sampling rate 2048/channel.
- Sampling resolution 16 Bit (ADC).
- Transmission rate (selectable) 128, 256, 512 Samples/s.
- Transmission sensitivity (selectable) 30.5 nV/Bit (128 Samples), 61nV/Bit (256 Samples).
- Transmission protocol TCP/IP, optically decoupled LAN adapter.
- Transmission velocity 10 Mbit.
- Power consumption < 1 W.
- Integrated impedance measurement with LED display.
- Mobile stand for EEG headbox.

➤ LED PHOTIC STIMULATOR

- Power supply: 12 V Power



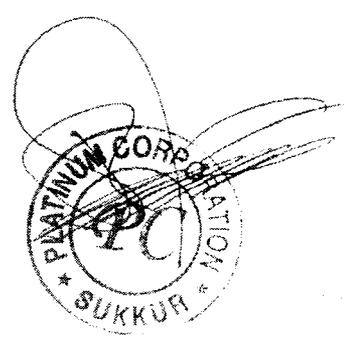


- Consumption: 50 VA
- Trigger input Optic, 1 ms, TTL optional
- Max. flash frequency: 60 Hz
- Controlled by EEG recording software
- User-defined stimulation programs Unlimited number of programs
- Start/Pause/Stop of stimulation by function key

- **EEG video**
- Digital videometry monitoring.
- **WORKSTATION**
- Video: Digital synchronized recording (MPEG 1, 2 or 4 format) with zoom function during evaluation.
- Camera: Daylight (color) or night camera (b/w) with integrated IR light, auto zoom, pant/tilt, remote control, mic, audio amplifier.

- EEG/polygraphy recording, reviewing, archiving and data backup.

- **Hardware**
- Processor Min. 2 GHz or more
- 1 GB SD-RAM or more
- Hard Disk 160 GB or more
- Graphic board Onboard
- Monitor 23" TFT or more
- Network adapter transmission rate onboard, TP/B, 10/100 Mbit
- Backup drive DVD/CD RW
- OS WINDOWS 7 or better.
- Keyboard, Mouse, Mousepad and Laser Printer.



ITEM # 37
EMG MACHINE
MODEL # EMG 603
MAKE # MISTAR – RUSSIA

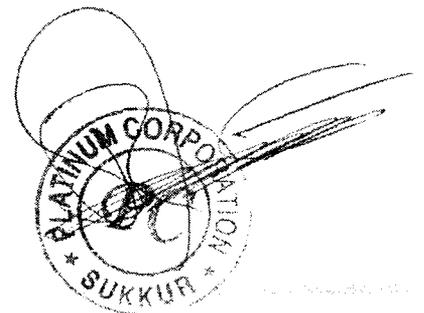
F.O.R PRICE **PKR. 4630000.00 (Forty six lac thirty thousand only)**
C&F **EURO 31000.00 (Thirty one thousand ony)**

- Pre-configured machine with accessories kit.
- PC based system with Windows operating system and inbuilt patient centric database.
- Latest EMG/NCS/EP acquisition and review software.
- Both predefined and user configurable test protocols.
- Flexible report generation.
- Software guidance for electrode positioning.
- Storage to EMG with full acquisition resolution.
- Archival recorded exams/reports CD/DVD.
- Printing of reports on heavy duty laser printer.
- Ether LAN connectivity.
- Export of the report into PDF

- **NERVE CONDUCTION STUDY**
- Motor Nerve Conduction Study
- Sensory Nerve Conduction Study
- Repetitive Stimulation
- F-wave
- H Reflex
- Blink Reflex
- Single Muscle Fiber Test

- **SOMATOSENSORY EVOKED POTENTIAL**
- SEP (Somatosensory Evoked Potential)
- SSEP (Short Latency SEP)

- **VISUAL EVOKED POTENTIALS**





- Stimulation type: Checkerboard, pattern flash, onset/offset, Picture stimulation, visual P300)
- Pattern: Checkerboard, vertical and horizontal stripes, pictures; variable size
- Stimulation field: Full, half, quarter field
- Fixation point: different fixation points, colored bitmaps, variable position
- Pattern color: black white, 16 grey steps
- Monitor: 17" TFT monitor
- LED goggle: left, right, both eyes stimulation

➤ **AUDITORY EVOKED POTENTIALS**

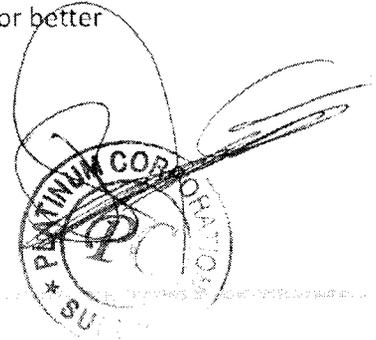
- Stimulation type: Klick, Klick-Klack, Tone pips of all relevant frequencies
- Stimulation frequency: manual, 1 - 100/s in dependence of the examination
- Sound pressure: 0 - 124 dB SPL, in 1 db steps
- Stimulation duration: 50 μ s – 1 ms; in 50 μ s steps
- Stimulation polarity: Condensation, rarefaction, alternating
- Overlapping: White noise with adjustable intensity
- Parameter setting: With keyboard, mouse and remote control.

➤ **ELECTRICAL STIMULATOR:**

- Numbers: 1 integrated electrical stimulator.
- Stimulation current: 0 – 100 mA; in 1 mA steps
- Stimulation duration: 50 μ s – 1 ms; in 50 μ s steps
- Stimulation type: Single, Double, Train
- Stimulation frequency: manual, 0.1 - 100/s in dependence of the examination program
- Parameter setting: Keyboard, Mouse and Remote Control.
- Display: Display of stimulation current, stimulation puls width and stimulation type on screen

➤ **AMPLIFIER**

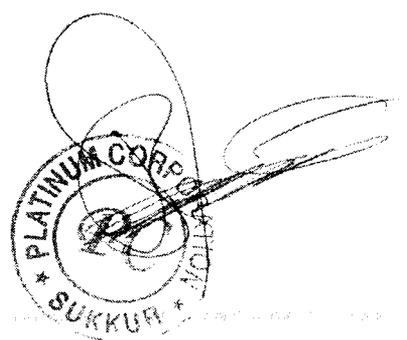
- No. of channels : 4
- Power requirement : 220V, 50Hz, and 22watt or better
- Input impedance : >100 MOhm
- CMRR : >100dB
- AC interference Notch filter : 50 or 60 Hz
- Nositie level : <1 μ V or better





- Low-frequency limit : <8mHz
- High-frequency limit : 20kHz
- Skin electrode contact impedance check : 2, 5, 10, 20, 50 kΩ.
- A/D converter : 24 bits or better
- Constant Current Electrical Stimulator : Stim Current, 0- 100mA
- Stim Voltage : 400V
- Stim Duration : 50us – 1ms
- Stim types : single, pair, train

- **AMPLIFIER:**
- Sampling rate : 50 kHz/channel
- ADC : 24 bit
- Resolution : 10 nV/d
- Channel : 4
- Max. Input voltage : 25 mV
- Noise : < 1 μV pp @ 2 Hz–10 kHz, shorted input
- Input impedance : > 110 MOhm
- CMRR : > 110 dB
- Lower cutoff frequency : 0.02 Hz - 1000 Hz in 15 steps
 - 0.02, 0.05, 0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50, 100, 200, 500, 1000 Hz); 6 dB/Oktave
- Upper cutoff frequency : 20 Hz - 15 kHz in 11 steps
 - (20, 50, 100, 200, 500 Hz, 1, 2, 3, 5, 10, 15 kHz); 6 dB/Oktave
- Notch filter : 50/60 Hz.
- Temperature measurement : 20-40 °C, with temperature probe.
- Impedance measurement: 0-100 kOhm @ 10 Hz in 0,1 kOhm steps



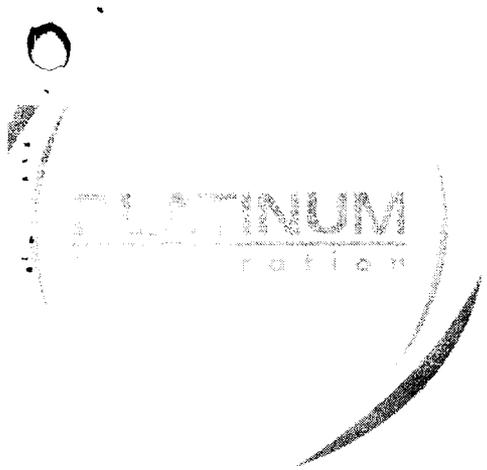
ITEM # 42

**ANAESTHESIA MACHINE WITH VENTILATOR TECHNICAL
MODEL # MISTRAL III INTEGRATED
MAKE # NORVAP – UK**

**F.O.R PRICE PKR 1895000.00 (Eighteen lac ninety five only)
C&F EURO 12500.00 (Twelve thousand five hundred only)**

- Standard/Cascade flow tubes.
- Cascade flow tubes with electronic flow display providing numeric representation of gas flow
- Virtual flow display (VFD) numeric and graphic
- Virtual flow display also provides touch screen control of back lighting
- 03 Gas (O₂ / N₂O / Air) with ventilator Comprising of:-
- Gas (Oxygen / N₂O / Air)
- Two Vaporisers Mounting
- 03 Gas Rotameter (O₂ + N₂O + Air)
- Mechanical Anti – Hypoxic Device.
- Non – inter changeable pipeline inlets
- Pipeline & Cylinder gauges for O₂ + N₂O+ Air along with hoses.
- Pin Index cylinder yokes.
- Gas Outlet and O₂ flush control.
- 02 Auxiliary O₂ power outlets.
- Lockable castors.
- Monitors Shelf.
- Impact resistant & easy to clean frame.
- Stainless steel work surface.
- Absorber support arm.
- 03 Gas flowmeter for O₂ + N₂O + Air.
- Sigma Delta Sevoflurane Vaporizer.
- Flow and Temperature compensated (Service Free)
- Base lockable 6” Drawer unit.
- Main power outlet 220 / 240 Vac (IEC X 4)
- Writing Shelf / Platform.
- Sharp holder.
- High suction Controller with receiver jar of
- Ltrs complete with connections and fittings.
- SPA Carbon Dioxide Absorber with Bag





- Defibrillation Output: Option
- Video Output: Option
- **ALARM**
- Three Level: Low, medium and high
- Indication: Auditory and visual
- Setup: Default and custom
- Silence: All alarms can be silenced
- Volume: 45~85 dB measured at 1 meter
- **TREND**
- Store & review 168 hours trend data and trend maps
- Parameter option: HR, SpO2, NIBP, PR, Resp, CO2, Temp1, Temp2, AA, N2O, O2, IBP1, IBP2, ST, C.I.
- Cycle intervals of trend storage 1min, 2min, 3min, 4min, 5min, 10min, 15min, 20min, 25min, 30min.
- **STORE & REVIEWING**
- ECG: 30 minutes one important lead's ECG waveform
- Alarm: 1800 groups Alarm events reviewing
- NIBP: 1000 groups NIBP measurement
- Arrhythmia: 128 groups data (8 seconds ECG waveform)
- Power-off storage: 72 hours trend data & 1 ECG wave form (option)
- **ENVIRONMENT**
- Working temperature: 0~+40°C
- Transportation and storage temperature: 20~+55°C
- Relative humidity: Working $\leq 85\%$
- Transportation and storage $\leq 93\%$
- Atmospheric pressure: Working 860~1060 hPa
- Transportation and storage 500~1060 hPa
- **STANDARD CONFIGURATION:**
- ECG, HR, RESP, NIBP, SpO2, PR, 2-TEMP, Lithium Battery
- **OPTION:**
- 2-IBP, Recorder, EtCO2 (side stream, main stream), Anesthetic Gas, Nellcor
- SpO2, ICG, SD memory card

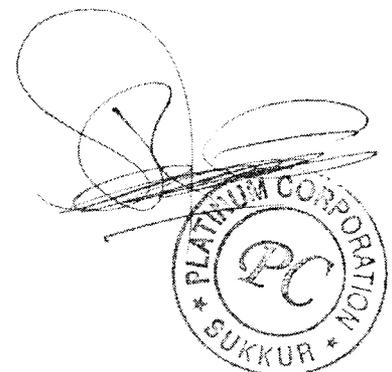
- **ECG**
- Mode: 5-leads (standard); 3-leads

✓

✓



- Vent and By Pass complete with detachable
- The system must have built in heater to control moisturizer
- Electronic Anesthesia Ventilator MODEL NO: AVS
- Inch Large Colour Touch Screen Anesthesia Ventilator
- With Built – in Oxygen Monitor,
- Ultra – accurate Spirometry
- With advance Ventilation (SIMV,SMMV and PSV)
- Combines sophistication and ease of use,
- Volume and Pressure Ventilation plus SMMV,SIMV,PSV and PEEP
- Single / dual waveform display
- High quality , multi-option product with flexible specification
- Integrated Oxygen Monitor and spirometry
- Inverse I:E Ratio capability
- Electronic PEEP
- Autoclavable Latex free bellows
- Oxygen or Air drive gas
- Battery Back up
- Magills Breathing Circuit
- Tidal Volume from 5ml to 1600ml.
- 30 minute battery backup



ITEM # 51
TRANSPORT VENTILATOR TECHNICAL
MODEL # PR-4G
MAKE # LEISTUNG, BRAZIL

F.O.R PRICE
C&F

PKR 1950000.00 (Nineteen lac fifty thousand only)
USD 15000.00 (Fifteen thousand only)

Adult / Pediatric:

- VCV Assisted/Controlled
- PCV Assisted/Controlled
- PSV/CPAP
- PRVC
- SIMV (VCV) + PSV
- SIMV (PCV) + PSV
- Biphasic Pressure (APRV+PSV)
- NIV (Leakage compensation in all ventilator modes)

Ventilation Backup:

- VCV
- PCV

Neonatal:

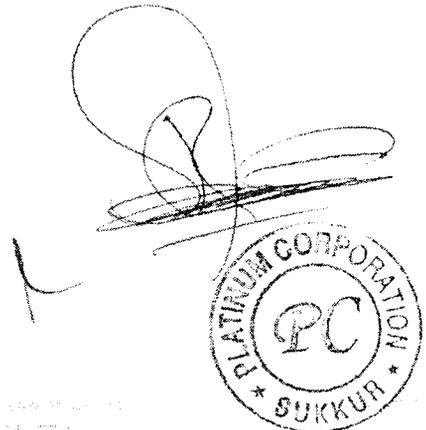
- PCV Assisted/Controlled
- PSV/CPAP
- SIMV (PCV) + PSV
- Continuous Flow
- Nasal CPAP

Ventilation Backup:

- PCV

Initial Setup:

- Patient Selection
- Gender Selection
- Height Selection
- Automatic Theoretical Weight Calculation
- Ventilation Level per mL/kg
- Artificial Airway Type
- Humidification Type



- Circuit Compliance Measurement
- Last Patient Function

Operational Visualization:

- Selection of the monitored
- Ventilation variables
- Battery Charge Indicator
- Pressure Bargraph

Customizable selection of up to 5 simultaneous graphics (Adult and Pediatric):

- Pressure/Time
- Flow/Time
- Volume/Time
- Volume/Pressure Loop
- Flow/Volume Loop
- Pressure/Flow Loop
- Plethysmography
- ETCO₂/Time

Customizable selection of up to 2 simultaneous graphics (Neonatal):

- Pressure/Time
- Flow/Time
- Pressure/Flow Loop
- Plethysmography
- ETCO₂/Time

Monitored Parameters:

- Peak Pressure
- Plateau Pressure
- Mean Pressure
- Base Pressure (PEEP)
- Peak Inspiratory Flow
- Peak Expiratory Flow
- Expiratory Tidal Volume
- Minute Volume
- Respiratory Frequency
- I:E
- Ti/Ttot
- Inspiratory Time
- Expiratory Time
- Tendency Graphics
- Alarms Log



PLATINUM

- PCV Assisted/Controlled
- PSV/CPAP
- PRVC
- SIMV (VCV) + PSV
- SIMV (PCV) + PSV
- Biphasic Pressure (APRV+PSV)
- NIV (Leakage compensation in all ventilator modes)

Ventilation Backup:

- VCV
- PCV

Neonatal:

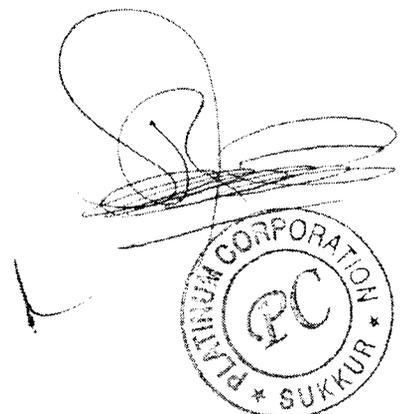
- PCV Assisted/Controlled
- PSV/CPAP
- SIMV (PCV) + PSV
- Continuous Flow
- Nasal CPAP

Ventilation Backup:

- PCV

Initial Setup:

- Patient Selection
- Gender Selection
- Height Selection
- Automatic Theoretical Weight Calculation
- Ventilation Level per mL/kg
- Artificial Airway Type
- Humidification Type



➤ **Lung Mechanics:**

- Inspiratory Resistance
- Expiratory Resistance
- Dynamic Compliance
- Static Compliance
- AutoPEEP

➤ **Optionals:**

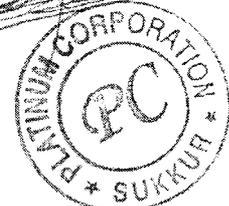
- Heart Rate
- Plethysmography
- Inspired CO₂
- SpO₂/FiO₂
- ETCO₂
- SpO₂
- FiO₂

➤ **Programmable Parameters:**

- FiO₂
- -50% up to 100%
- Flow
 - Square
 - Sinusoidal
 - Ascending
 - Descending
- -Descending 50%
- Rise Time
- Inspiratory Time
- Respiratory Frequency
- Tidal Volume
- Minute Volume
- Expiratory Sensibility
- Controlled Pressure
- Support Pressure
- PEEP
- Sensibility:
 - -Pressure/Flow
- Apnea Time
- Inspiratory Pause
- Sigh

Waveform:

100%



➤ **Auxiliary Functions:**

- Oxygen 100%
- Manual Inspiratory Trigger
- Graphics Freeze

➤ **Programmable:**

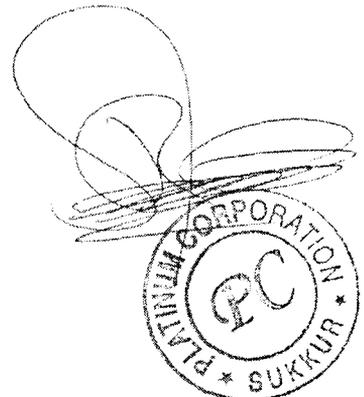
- Max. Respiratory Frequency
- Max. Exhaled Minute Volume
- Min. Exhaled Minute Volume
- Max. Exhaled Tidal Volume
- Min. Exhaled Tidal Volume
- Maximum Pressure
- Minimum Pressure
- Apnea
- PEEP

➤ **Automatic:**

- Low Battery
- Power Failure
- Low O₂ Pressure
- Interrupted Cycle
- Inverted I:E Rati

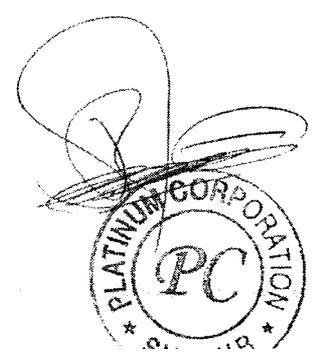
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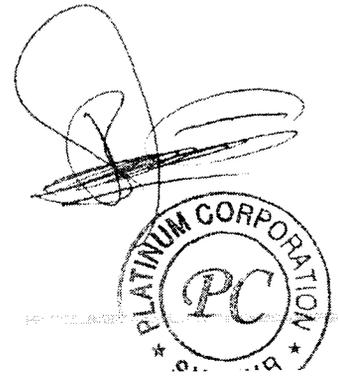


- Lead selection: I, II, III, aVR, aVL, aVF, V1~V6 (option)
- Gain: AUTO, 0.25x, 0.5x, 1.0x, 2.0x, 4.0x
- Insulation Breakdown Voltage 4000VAC 50/60Hz
- Sweep speed 12.5mm/s, 25mm/s, 50mm/s
- HR Range: 10~350 bpm
- IIR Accuracy $\pm 1\%$ or ± 1 bpm, whichever is greater
- **ST SEGMENT**
- Measurement Range - 2.0mV~2.0mV
- Resolution 0.01mV
- **RESP**
- Method: Impedance variation between RA-LL (R-F)
- Measurement Range: 0~150 rpm
- Accuracy: ± 2 rpm
- Gain: x1, x2, x4
- Sweep speed 6.25mm/s, 12.5mm/s, 25mm/s
- **TEMP**
- Measurement Range: 0~50.0°C
- Unit: Celsius (°C), Fahrenheit (°F)
- Accuracy: $\pm 0.1^\circ\text{C}$ (exclusive of probe)
- Connecting cable: Compatible with YSI-400
- SpO2
- Measurement Range 0~100%
- Accuracy 70~100%, $\pm 2\%$
- 0~69%, unspecified
- PR Range 25~250 bpm
- PR Accuracy $\pm 1\%$ or ± 1 bpm, whichever is greater
- **NIBP**
- Technique: Automatic oscillometry
- Range: Adult: 10~270 mmHg
- Child: 10~235 mmHg
- Neonate: 10~135 mmHg
- Accuracy: Static $\pm 2\%$ or ± 3 mmHg, whichever is greater
- Unit: mmHg, kPa
- Pulse rate range: 40~240 bpm
- Intervals for AUTO measurement: 1,2,3,4,5,10,15,20,30,45,60,90



- minutes 2,4,8 hours
- IBP (OPTION)
- Channel: 2
- Measurement Range: -50~ +300 mmHg
- Unit: mmHg, kPa
- Accuracy: ± 2 mmHg or 2%, whichever is greater
- EtCO₂ (OPTION, Sidestream, LoFlo)
- Range 0~19.7% (0 ~ 150 mmHg)
- Unit: %, mmHg, kPa
- Respiration Rate Range 2~150 bpm

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ITEM # 03
BLOOD GAS ANALYZER

MODEL # NOVA
MAKE # NOVA BIOMEDICAL

F.O.R PRICE **PKR 1950000.00 (Nineteen lac fifty thousand only)**

C & F **EURO 10900.00 (Ten thousand nine hundred only)**

Display: 5.4" LCD-display, illuminated, 15-lines, 30 characters

- Measured Parameters: pCO₂ , pO₂ , K⁺ , Na⁺ , Li⁺ , Cl⁻ , Ca⁺⁺, pH, Glu, Lac, tHb, barometric pressure
- Calculated Parameters: HCO₃^{-A}, HCO₃^{-S}, BE, BE_{ecf} (SBE), TCO₂ , BB, O₂ sat, O₂ CT, P50, AaDO₂ , Hct, H⁺ , AGAP, SHUNT, Acid-Base Status
- Throughput: Up to 80 tests/hour depending on configuration
- Sampling Method: Aspiration system adapted for both capillary and syringes, cleaned with Rinse Solution automatically
- Sample Volume: 50-200 µl depending on measured parameters
- Sample Types: Whole Blood, Arterial Blood, Urine, Serum, Plasma, Respiration Gas
- Calibration: 2-Point calibration in standard and economy modes suited to your working hours.
- Measurement Temperature of Electrodes and Sensors: Electrodes and Sensor temperature automatically adjusted to 37.0°C ± 0.2 during measurements.
- Data Capacity: 2 GB SD Card, 32000 measurements and QC data sets

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ITEM # 04
BIPAP VENTILATOR

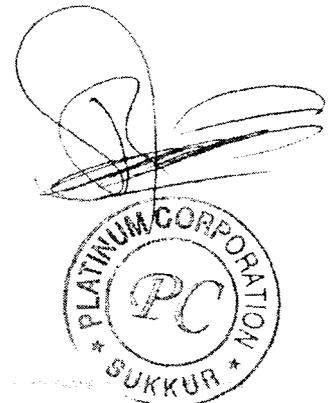
MODEL # 150
MAKE # RESMED AUSTRALIA

F.O.R PRICE PKR 1670000.00 (Sixteen lac seventy only)

C&F USD 11500.00 (Eleven thousand five hundred only)

Environmental operating Temperature from 5 °C to 35 °C or more and storage temperature capacity from -20 °C to °C or more and non-condensing capability.

- Standard physical dimension.
- Atmospheric pressure from 101 to 77 kPa or more.
- General requirements for safety of Medical and electrical equipment.
- Electromagnetic compatibility RTCA / DO -160F
- Protection against electric shock type BF
- Auto pressure accuracy Bi-level I Bi-level pressure.
- With Full Face Mask, software CD, Data storage and review facility and more
- Modes should be CPAP, Spontaneous, Spontaneous/Timed, Timed, Pressure Control with average volume assured pressure support feature.
- Features of average volume assured pressure support to automatically adapt to disease progression and changing patient needs on desire.
- Displayed parameters like Patient pressure, leak, tidal volume, minute ventilation, and respiratory rate.
- Patient alarms like Patient Disconnection, Apnea, Low Minute Ventilation, Low Tidal Volume - option for Heated Humidification.
- Inspiratory time 0.5 to 3.0 seconds
- IPAP 4 to 30 cmH₂O
- EPAP 4 to 25 cmH₂O
- Target tidal volume 200 - 1500 ml
- Breath rate 0 - 30 bpm





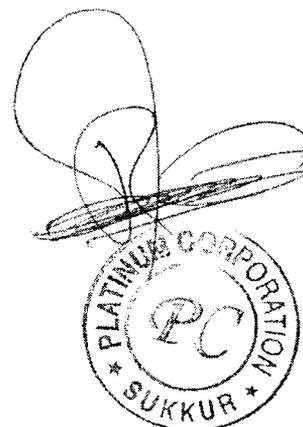
ITEM # 6
INFUSION PUMP TECHNICAL
MODEL # PG- 807I with option of docking
MAKE # PROGETTI - ITALY

F.O.R PRICE PKR 207120.00 (Two lac seven thousand one hundred twenty only)
C&F EURO 1290.00 (Twelve hundred ninety only)

- Display: 4.3" LCD TFT touch screen, 10 levels display brightness contrast
- Infusion mode: 7 modes available: ml/h, body weight, drip, loading dose, ramp, sequence and relay mode
- Micro mode: 100 ml to 1200ml programmable
- Infusion rate range: 0.01 – 1200 ml/h with min. increment 0.01 ml/h
- System Accuracy: $\geq 1\text{ml/h}, \pm 5\%$
- KVO Rate: 0.01 - 5.00ml/h, default value is 1 ml/h
- Minimum flow rate increment: 0.01ml/h
- Bolus: Manual bolus and programmable bolus, anti-bolus support
- Bolus volume: Minimum 0.1ml, max 50ml
- VTBI (volume to be infused): 0-9999ml, minimum step is 0.01ml
- Total Volume Infused: 0.01-9999.99ml, minimum step is 0.01ml
- Time Range: 1min-99hrs59min
- Purge: 1200 ml/h
- Air detection: 7 levels, sensitivity 20 μl
- Occlusion levels: 12 levels, upstream and downstream occlusion
- History records: More than 5000 records
- Other functions: Nurse call, RS232, data export
- Interface: Mini USB
- Dimensions: 234(W)*99(D)*120(H) mm
- Weight: 1.8kg

Power Supply

- AC power supply: AC 110/240V, 50/60 Hz
- Input power: 50 VA
- DC power supply: DC 15V lithium battery





ITEM # 1
ECG MACHINE 6 CHANNEL TECHNICAL
MODEL # EPG 6 VIEW
MAKE # PROGETTI - ITALY

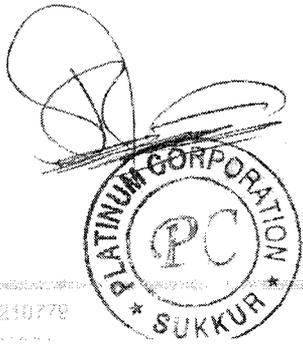
F.O.R PRICE **299,000.00 (Two lac ninety nine thousand only)**

C & F **EURO 1780.00 (Seventeen hundred eighty only)**

- One time record : 3/6 channels
- Width of record : 112mm
- Outside USB printer : printout A4 (210x297)
- Record speed : 5/10/25/50 mm/s
- Sensitivity : 2,5/5/10/20 mm/mV
- Digital filtration of disturbances : 25,35,50,60 Hz
- Display : 5,7" graphic, color TFT 320x240
- Analysis and interpretation : HES compliant with EN 60601-2-51
- Internal memory : >300 tests
- Alphanumeric keyboard
- Detection of stimulator impulses (pacemaker)
- Automatic regulation of isoelectric line
- Constant measurement of heart action (HR)
- Acoustic signalization of detected stimulations
- Paper easy-load
- Record of test copy on PENDRIVE, in standard EN1064 (ECG-SCP)
- Signalization of wrong connection with particular electrodes
- Available versions in national languages
- CMMR : >100dB
- Sampling Frequency : 1000 Hz
- Converter : 12bit
- Resolution : 0,25uV/bit
- Input impedance : >10 MΩ
- Dynamic range : 10mVpp
- Frequency band : 0,05-150 Hz
- Leads : 12 standard/ Cabrera

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Specification: 11.1V 2600mAh
 Charging time: 5h (under OFF state)
 Working time: ≥9h (after completely charging the new battery, when the environment temperature is 25°C and flow rate is 25ml/h, the constantly working time)

Alarm

- Visual and audible alarms information: VTBI near end, VTBI infused, Pressure high, Check upstream, Battery nearly empty, Battery empty, No battery inserted, No power supply, Reminder alarm, Standby time expired, KVO finished, Drop sensor connection, Drop error, Air bubble, Door Open

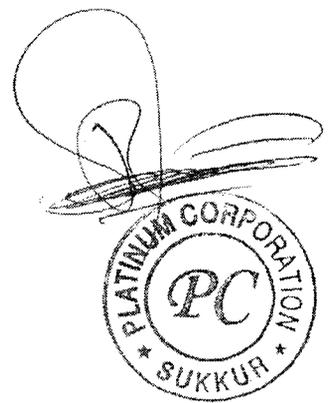
Environment

- Operating: temperature: 5-40° C
 humidity: 20-90%, non-condensable
 atmospheric pressure: 86-106kPa
- Transport & Storage: temperature: -20-60° C
 humidity: 10-95%, non-condensable
 atmospheric pressure: 50-106kPa

Optionals

IrDA, WIFI, drop sensor, docking station and intravenous central station.

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ITEM # 7
SYRINGE PUMP TECHNICAL
MODEL # PG – 907S
MAKE # PROGETTI - ITALY

F.O.R PRICE PKR 173895.00 (One lac seventy three thousand eight hundred ninety five only)
C&F EURO 1190.00 (Eleven hundred ninety only)

Specification:

- Display: 4.3" TFT color touch screen
- Infusion mode: 7 modes available (ml/h, body weight, TIVA, loading dose, ramp up/down, sequence and relay mode)
- Micro mode: 100 ml/h – 1200 ml/h, programmable
- Infusion rate range: 0.01 – 1500 ml/h depending on syringe size with min increment 0.01 ml/h
- Compatible syringes: 5ml, 10ml, 20ml, 30ml , 50/60ml
- System accuracy: $\geq 1\text{ml/h}$, $\pm 2\%$
- Infusion rate: Syringe size 5ml: (0.01-100) ml/h; 10ml: (0.01-200) ml/h; 20ml: (0.01-400) ml/h; 30ml: (0.01-600) ml/h; 50ml: (0.01-1500)ml/h
- Bolus rate: Syringe size 5ml: (0.1-100) ml/h; 10ml: (0.1-200) ml/h; 20ml: (0.1-400) ml/h; 30ml: (0.1-600) ml/h; 50ml: (0.1-1500)ml/h
- Purge rate: Syringe size 5ml: 100 ml/h; 10ml: 200 ml/h; 20ml: 400 ml/h; 30ml: 600 ml/h; 50ml: 1500 ml/h
- KVO rate: 0.01-5.00ml/h default value is 1 ml/h
- Micro mode settings range: Syringe size 5ml: (100-100) ml/h; 10ml:(100-200) ml/h; 20ml: (100-400) ml/h; 30ml: (100-600) ml/h; 50ml: (100-1500)ml/h
- Minimum flow rate increment: 0.01ml/h
- Bolus: Manual bolus and programmable bolus, anti-bolus support
- Bolus Volume: Syringe size 5ml: Minimum 0.1ml, max 5ml; 10ml: Minimum 0.1ml, max 10ml; 20ml: Minimum 0.1ml, max 20ml; 30ml: Minimum 0.1ml, max 30ml; 50ml: Minimum 0.1ml, max 50ml
- VTBI: 0-9999ml, minimum step is 0.01ml
- Total Volume Infused: 0.01-9999.99ml, minimum step is 0.01ml





- Time Range: 1min-99hrs59min
- Purge: 100-1500 ml/h depending on syringe size
- Occlusion levels: 12 levels
- History records: More than 5000 records
- Other functions: Nurse call, RS232, data export
- Interface: Mini USB
- Dimensions: 394(W)*90(D)*123(H) mm
- Weight: 1,7kg

Power Supply

- AC power supply: 100-240V 50/60Hz
- Input power: 50VA
- DC power supply: DC 15V lithium battery
- Battery Specifications: Model: DC 203

Specification: 11.1V 2600mAh

Charging time: 5h under OFF state

Working time: ≥12h (after completely charging the new battery, when the environment temperature is 25°C and flow rate is 5ml/h, the constantly working time)

Alarm

- Alarm information: VTBI near end, Syringe near empty, VTBI infused, syringe empty, pressure high, battery nearly empty, battery empty, no battery inserted, no power supply, check syringe, reminder alarm, Standby time expired, KVO finished

Environment

- Operating: temperature: 5-40° C
humidity: 20-90%, non-condensable
atmospheric pressure: 86-106kPa
- Transport & Storage: temperature: -20-60° C
humidity: 10-95%, non-condensable
atmospheric pressure: 50-106kPa

Optionals

- IrDA, WIFI, drop sensor, docking station and intravenous central station.

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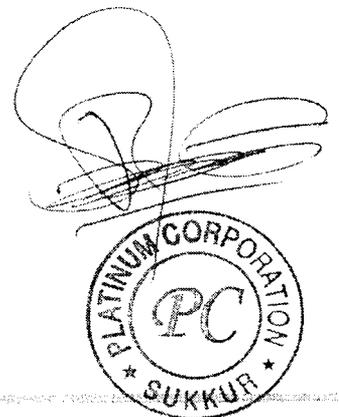
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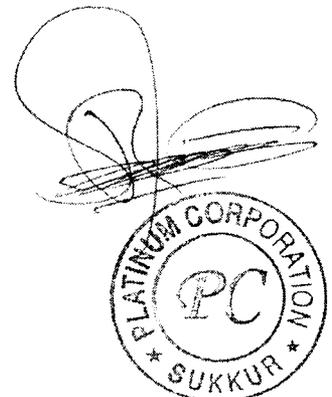
ITEM # 08
CENTRAL MONITORING STATION TECHNICAL
MODEL # PG M6000C
MAKE # PROGETTI - ITALY

F.O.R PRICE **PKR 1650000.00 (Sixteen lac fifty thousand only)**
C&F **EURO 9200.00 (Nine thousand two hundred only)**

- Features
- Central Monitoring System is kind of intelligent central multi-bed
- and multi-physiological parameter monitoring system, connected by network
- with beside units, suitable for performing continuous monitoring of several
- patients in CCU and ICU wards simultaneously.
- Large storage capacity
- 96 hours holographic ECG waveform storage and Replay
- 240 hours trend graph review
- alarm record
- 30.000 patient historical data
- Alarm data saves all physiological parameters and waveforms
- 12 seconds before and after the alarm
- Strong printing function
- Support various kinds of printers
- Can print case reports at any time so as to timely master the
- patient's info
- Copy screen print for single bed, with 13 channels of waveform at
- most
- Data review print including the trend graph review, trend list replay, ECG
- review and alarm incident review
- Easy and convenient operation
- Large font screen
- Provide indication of probe detachment
- Provide detailed notes to facilitate operation
- Can record, search and classify the abnormal ECG events
- Bi-directional communication with bedside unit
- Central Unit able to remotely control the bedside unit to



- measure BP
- Technical specifications
- In accordance with IEC60601 standard
- Power supply: AC 100-120 / 200-240V, 50/60 Hz
- Minimum system requirements
- Intel Pentium IV 2.4GHz CPU or above
- 256MB RAM or above
- Windows 2000+SP4 or Windows XP + SP2 system
- 80GB Hard disk or above
- 40X CD-ROM or above
- 17" TFT, Resolution: 1280 x 1024, 75Hz (4:3) non-interlaced scanning
- Computer configuration could be defined and updated
- Network management
- Wire connect:
 - TCP/IP protocol
 - 10/100 Base-T Ethernet
 - Connected to PG M7000 / PG M9000 / PG M9500 / PGM60 / PGM80
- Connected bedside unit number: up to 66 bedside monitors
- Connection can use the available network system of the Hospital
- Wireless connect:
 - Working frequency band is 433.92MHz
 - The reliable clear view distance indoor is 30 meters in semi diameter, with relay station reaches above 1000 meters
 - Can collect and display several physiological parameters and
- Show 3 waveforms measured by bedside unit
- Connected bedside unit number: up to 16 bedside monitors
- Performance
- Waveform: ECG (I, II, III, aVR, aVL, aVF, V1-V6) RESP, Co2,
- IBP1, IBP2, SpO2
- Parameter: IIR,RR, NIBP, IBP, SpO2, PR, TEMP, CO2 (EtCO2, FiCO2), Anesthetic Gas (O2, N2O, 5AA)
- Sweep speed: 12.5mm/s, 25mm/s, 50mm/s user –adjustable
- View bed: Up to 66 waveforms for 32 bedside monitors (dual-screen display)



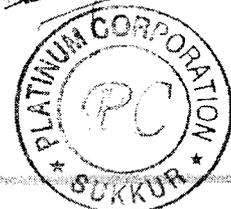
- Possible to select required beds and automatically align the screen windows
- All waveform presentation for one patient
- Oxy CRG display
- 7-leads or 12-leads ECG waveform display
- Waveform frozen
- Remote Monitor Control
- Bi-directional communication
- Central Unit able to remotely control the bedside unit to measure BP
- Alarm
- Alarm limits can be set up for all parameters
- Sound and indicator light alarms are provide for exceeding the limit of: HR / RESP / SPO2 / PULSE / BP / TEMP / Co2
- Alarm waveform saves all the physiological parameters and Waveforms before and after the alarm
- Arrhythmia alarm
- Support input and output alarm data
- Review information
- 96 hours holographic ECG waveform storage and replay
- 240 hours trend data storage and replay for each bedside unit
- records of alarm messages storage and replay for each bedside unit
- 30.000 history patient monitoring information
- Calculations
- Drug calculation and titration table
- 17 types of arrhythmia analysis



ITEM # 9
O.T TABLE FOR GYNE AND UROLOGY TECHNICAL
MODEL # SURGITABLE-4
MAKE # ATA SURGICAL - FRANCE

F.O.R PRICE PKR 3875000.00 (Thirty eight lac seventy five thousand only)
C&F EURO 24900.00 (Twenty four thousand nine hundred only)

- Radiolucent tabletop.
- Built-in X-ray Cassette Channels
- Table length 2100mm
- Table width 500 mm or more with rails.
- Table Height (min) 690 mm to (max) 1040 mm
- Lateral tilt - 20 / +20 degree or more
- Trendelenburg-25/+25° maximum from horizontal
- Reverse Trendelenburg 25° maximum from horizontal
- Back rest adjustment up 80°/+12° max
- Leg plate adjustment up 10°/100°/100° maximum.
- Flex / Reflex 192°/100°
- Sliding Table Top Upto 310mm
- Auto Leveling
- Spread of split leg plates 90 degree.
- Manual Head plate adjustment -90 / +90 degree.
- Patient Weight capacity 200kg or more.
- Central Break
- Kidney Bridge 120mm height
- Manual Over Ride
- Complete with : Anesthesia Screen, Arm Boards ,lithotomy pole, drain pen. Basic Straps , Safety Clark Sockets
- Complete High Quality S.S Base
- Battery backup Up to 4Hrs





ITEM # 10

O.T LIGHT- DOUBLE DOOM SURGICAL LIGHT WITH BATTERY

MODEL # LED-7W5W

MAKE # ATA SURGICAL - FRANCE

F.O.R LIGHT with camera option 3665000.00 (Thirty six lac sixty five thousand only)

F.O.R CAMERA SYSTEM 320000.00 (Three lac twenty thousand only)

C&F LIGHT EURO 23500.00 (Twenty three thousand five hundred only)

C&F CAMERA SYSTEM EURO 2000.00 (Two thousand only)

LIGHT -1

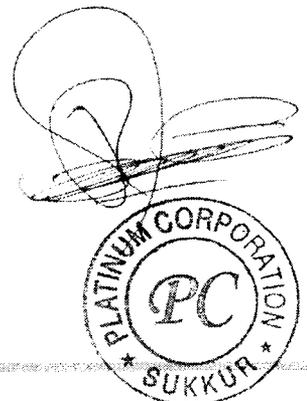
- Dimension Cupola: 700mm
- Light Intensity : 160,000 LUX at 1 meter

LIGHT -2

- Dimension Cupola: 500mm
- Light Intensity : 90,000 LUX at 1 meter
 - Color Temp: Adjustable from 3500 to 5000K
 - Color rendering Index: ≥ 93
 - Diameter of light spot: 120-350 MM
 - Illumination Depth: 700-1500 MM
 - LED Service Life: 50000 Hours
 - Control Via LCD
 - Battery Backup: ≥ 2 Hours

CAMERA:

- Resolution: ≥ 200 Megapixel 920 x 1080
- Communication Mode: RS232
- Communication Protocol: HITACHI/SONY/VISCA or Equivalent
- Connector: LVCMOS-36PFPC
- Compatibility: 110/LVDS/30P
- Sensor Type: 1/2.9" CMOS
- Scan Mode: Progressive Scan
- Day and night system: Color/Black and white/Automatic
- Minimum Illumination: Color 0.1 Lux, Black and white: 0.01LUX





- Exposure Mode : A/M
- White Balance: Automatic/Indoor/Manual
- Focus Mode: A/M
- Gain Control: A/M
- Picture Effect: Automatic/Color/Black and white/Negative

Electronic Amplification

- Back Light Compensation: On/OFF

Image Freeze:

- Mirroring Function: Support (Horizontal Mirror + Vertical Mirror)
- Image Rollovers: Support

Generic Specification:

- Dimension: 56(W) x 56 (H) x 110 (L) MM
- Work Temperature And Humidity: -10C ~ 50C, 10% RH ~ 60%
- Storage Temperature and Humidity: -20C ~ 60C, 10%RH ~ 80%RH
- Synchronization Mode: Inter-Sync
- Video Output: Digital Signal
- SNR: ≥ 50 DB (AGC OFF)

LENS

- IRCUT : IRCUT Double Filter Automatic Switching
- Automatic Diaphragm: Support
- Optical Lenses : 10X, F=5MM
- Field Angle : H: 47 (W) ~ 5.3 (T), V : 35.6 (W) ~ 3.96 (T)

Blank Screen:

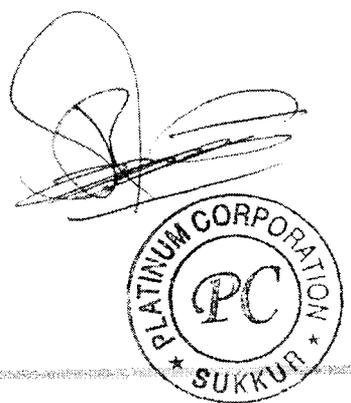
- Wide Dynamic : D-WDR
- DNR : 2D-DNR
- Electronic Shutter : 1/30S~1/10,000S
- Control Ratio : Adjustable
- Anti-Fog Function : Support
- Marginal : Support



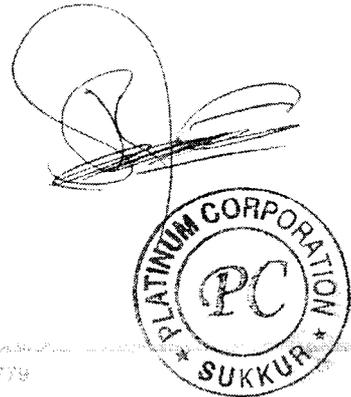
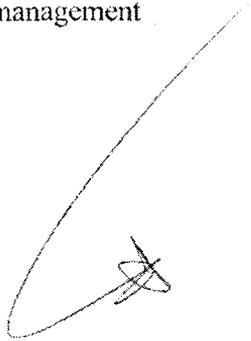
LCD Monitor

Screen Size : $\geq 20.5''$
Display Area : 475.2mm (W) x 267.3mm(H)
Max Resolution : 1920 x 1080
Display Color : 16.7 M
Pixel Pitch : 0.2475 (H) x .2475 (V)
Luminance : 300 cd / m²
Viewing Angle : 85/85/75/65
Response Time : ≤ 9 MS
Field Frequency : 50Hz, 60Hz, 70Hz

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- Input channels : floating, protected from impulse defibrillating CF
- Power : 90-240V, 50/60Hz
- Inside rechargeable battery: Li-ion 7,2V; 2200mAh Li-ion
- Power consumption : <30VA
- Dimensions: 260W x52H x220D mm
- Weight : < 1,8 Kg
- Fulfilled standards : EN 60601-1, EN 60601-1-2, EN 60601-2-25, EN 60601-2-51
- Safety : protection type CF (EN60601-1) Class I
- Class / Group : Class A / Group 1 (CISPR-11)
- Operating environmental conditions :
 - Temperature +10 to +40 °C
 - Relative humidity 25 to 95% (non-condensing)
- Patient cable
- Electrodes set
- Gel flacon - Paper roll
- Power cable
- User manual
- PC software for data management
- Carrying case



ITEM # 11
PORTABLE OT LIGHT TECHNICAL
MODEL # NX3
MAKE # ACEM ITALY

F.O.R PRICE **PKR 1093500.00 (Ten lac ninety three thousand five only)**

C&F PRICE **EURO 6900.00 (Six thousand nine hundred only)**

- Diameter of Cupola 500mm
- Light Intensity $\geq 60,000$ LUX at 1 Meter
- Color Temp Adjustable from 3500 to 5000 K
- Color Rendering Index ≥ 93
- Diameter of light spot 120-350 mm
- Illumination depth 70-1500 mm
- LED Service Life 50000 hours
- With battery backup

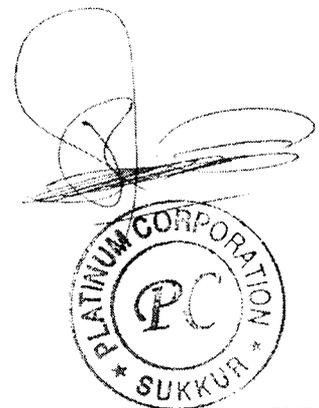


ITEM # 13
AUTOCLAVE B CLASS TECHNICAL
MODEL # PG- STERIL
MAKE # PROGETTI – ITALY

F.O.R PRICE
C&F

PKR 890000.00 (Eight lac Ninety thousand only)
EURO 5800.00 (Five thousand eight hundred only)

- Smart with multi safety protection Functions
- Built-in printer
- 24Litre7. Six-procedure and Automatic process
- Integrated Self-contained Steam Generator (Better Steam Infusion)
- Six-procedure and Automatic process
- Intelligent Vacuum Drying
- Double water pumps
- Double condensers
- Double fans,
- Detachable Rear Panel

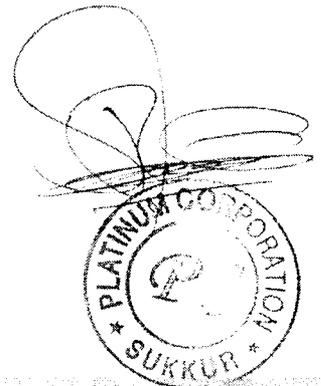


ITEM # 19
PC BASED ETT MACHINE TECHNICAL
MODEL # PG STRESS
MAKE # PROGETTI – ITALY

F.O.R PRICE PKR 1895000.00 (Eighteen lac ninety five thousand only)
C&F EURO 12500.00 (Twelve lac five hundred only)

System Windows® based

- Automatic control of treadmill and ergometers
- Leads view in 3, 4, 6 or 12 leads screen formats
- Storage of all data in the hard drive, allowing access to the original test results at any time for future review or printing
- Arrhythmia detection
- Calculation of average ECG complexes on regular intervals and their superimposition on a reference ECG complex, which highlights ST changes in details
- ST measurements on 12 leads
- Adjustable ST measurement point
- ST, STj, STj+60, STj+80, Heart Rate, Mets, Pressure and ST/HR trends
- Heart frequency dependent ST measurement and analysis
- Automatic storage of rhythm strips at steps changing or manually throughout the test
- Alarms: ST alarm on 12 leads, Heart Rate, pressure and double product
- On line 12 channels average heart cycle configuration
- Blood Pressure entrance and display of trend
- External module for automatic NIBP measurement (optional)
- Preprogrammed protocols, included Bruce, Modified Bruce, Balke, Ellestad
- Modify or add unlimited customized protocols for treadmill or pharmacological stress test reports and print out
- Print out format in 12 leads, 6+6 leads, and 6+6 leads+AVG including average, trend graphs, tabular reports and overview, using A4 color laser printer
- Review full report online immediately after completing the test



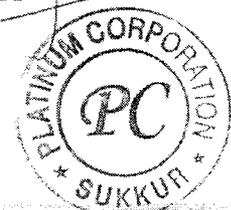
- Real time ECG print-out
- Set up analysis, protocols, printing format and final report customizable
- Digital filters LP, HP, antidrift and notch of high quality for the careful recording without artefacts
- Transmission of traces and reports by email or network sharing
- Direct PDF printing for report storage and viewing
- Email ECG results directly from the PC system
- Automatic calculation of Harvard Step Test

MyECG Amplifier

MyECG Amplifier module is a lightweight, portable device that connects your PC to your patient.

Version:

- SMART ECG (USB)
 - Isolated preamplifier in accordance with CEI 62-5 (IEC 601-1) and CEI 62-15 (IEC 62D)
 - Input impedance > 50 Mohms
 - Defibrillator protection
 - 12 leads acquisition with 512 sampling rate.
 - CMRR > 100 dB
 - Frequency 0.05 - 150 Hz
 - Standard patient cable with 10 wires.
 - Powered by USB port
 - Dimensions: 144x94x20 mm.
 - Weight: 150 gr
- SMART ECG Plus (Bluetooth)
 - Safety Standard in accordance with IEC II/CF
 - Input impedance > 50 Mohms
 - Defibrillator protection
 - 12 leads acquisition with 512 sampling rate.
 - CMRR > 100 dB
 - Standard patient cable with 10 wires.
 - 10m Bluetooth distance
 - Powered by 2* AAA battery
 - Dimensions: 126mm×68mm×24mm
 - Weight: 120 gr





With CardioMed treadmill

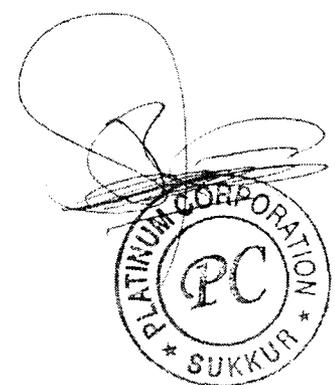
PC configuration

- Operation system: Windows XP
- CPU: Pentium IV
- RAM: 1 GB
- HDD: 500 GB
- Interface: USB port free

A large, stylized handwritten signature in black ink, consisting of several overlapping loops and a long horizontal stroke.

A smaller handwritten signature in black ink, appearing as a series of connected loops.

A small, simple handwritten mark or signature in black ink, resembling a cursive letter 'r'.



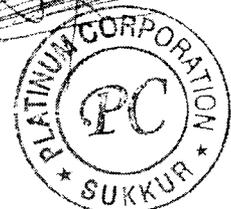
PLATINUM
CORPORATION

ITEM # 20
NEBULIZER MACHINE TECHNICAL

MODEL #
MAKE # CA-MI, ITALY

F.O.R PRICE **PKR 83500.00 (Eighty three thousand five hundred only)**
C&F **EURO 450.00 (Four hundred fifty only)**

- Ultrasonic energy for uniform and highly dense 1-5 microns.
- More than 96% of 0.3 micron or larger air borne dust particles is effectively shut out with the air filter to provide purified air for aerosol nebulization. Medication cup with replaceable diaphragm.
- Easily detachable fan cover and pneumo clean (Air filter).
- Made of highly resistant sterilize able resin.
- Stand with solution bottle for safety.
- Nebulizing rate: 4 ml/min or greater.
- Mist particle size: Approx 1-5 microns.
- Nebulizing time setting: 1-30 min & continuous
- Medication cup capacity: 150 ml.
- Accessories:
- Tray set for nebulizer with tray track and pole mount fitting.



ITEM # 21
CTG MACHINE TECHNICAL
MODEL # TEAM-3A-NSB
MAKE # HUNTLEIGH – UK

F.O.R PRICE **PKR 1650000.00 (Sixteen lac fifty thousand)**
C&I **GBP 9500.00 (Nine thousand five hundred only)**

- Large high resolution color TFT foldable screen 8.4" or more
- Advanced SpO2 module with equivalent performance
- Large storage capacity
- Basic parameters: FHR, TOCO, AFM, MHR, NIBP, SPO2
- Real time measurement and identification
- Provide convenience and reliability during antepartum.
- 12 hours CTG storage, fast review and print
- Unique design for cable of transducers to avoid intertwinning
- Alarm system: time-over alarm, non-paper alarm, out of range FHR alarm
- Automatically adjustable many kinds of 110mm thermal paper with different specifications
- Wire or wireless connect to central monitoring system
- Low acoustic power, safer to the fetus

Options:

Twins FHR measurement



ITEM # 28
SPIROMETER TECHNICAL
MODEL # PG SPIRO
MAKE # PROGETTI – ITALY

F.O.R PRICE PKR 1135000.00 (Eleven lac thirty five thousand only)
C&F EURO 5800.00 (Five thousand eight hundred only)

- Flow/volume sensor Bi-directional turbine
- Temperature sensor semiconductor (0-45°C)
- Method of detection Infra-red interruption
- Maximum volume measured 10 L
- Flow rate +/- 16 L/s
- Volume accuracy +/- 3% or 50 mL
- Flow accuracy +/- 5% or 200 mL/s
- Dynamic resistance at 12 L/s <0.5 cmH2O/L/s

- **OXIMETER SPECIFICATION**

- Method of detection Red and infra-red light absorption
- Measuring range of %SpO2 0 – 99% (with 1% increments)
- Resolution of SpO2 1%
- Accuracy of %SpO2 +/- 2% between 70-99% SpO2
- Number of beats for calculating the median SpO2 % 8 beats
- Pulse rate measuring range 18 – 300 BPM
- Resolution of pulse rate 1 BPM
- Pulse rate accuracy +/- 2 BPM or 2% of highest value
- Interval for calculating median pulse rate 8 seconds
- Signal quality 0 - 8 display segments

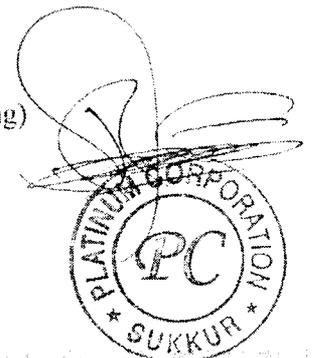


ITEM # 29
ULTRASOUND MACHINE TECHNICAL
MODEL # PG SCAN EXPERT
MAKE # PROGETTI, ITALY

F.O.R PRICE
C&F

PKR 9435000.00 (Ninety four lac thirty five thousand only)
EURO 58500.00 (Fifty eight thousand five hundred only)

- General Specification
- Main Applications: general applications, abdomen, OB, GYN, peripheral vessel, small part, musculoskeletal system, urology, rectal, vaginal, pediatrics, cardiac and interventional ultrasound applications, support quantitative analysis.
- Monitor: LCD 19" high resolution non-interlaced monitor, special for medical imaging, support up and down, left and right rotation, LCD 10.4" touchscreen
- Probe Connectors: 4, all activated, automatic recognition.
- Power: AC 220V±10%, 50Hz±1Hz
- Main Features
- Beam Processing: full-digital Beam Former, more than 1536 digital processing channels, Continuous Dynamic Focus, Real-time Dynamic Aperture, Dynamic Beam Apodization, Dynamic filtering.
- Gray Scale: Imaging Digital Two-dimensional Gray Scale Imaging Unit
- Spectral: Digital Spectral Doppler Display and Analytic Unit
- Color Doppler Imaging: Digital Color Doppler Imaging Unit, including CFM, CDE, Dir. CDE, pulsed Wave Doppler, Continuous Wave Doppler.
- Doppler Measurement: manual, automatic, quantitative, semi-quantitative calculation, automatic and real-time Doppler spectral envelop.
- 2D Deflection: left/right deflection imaging (linear probe), deflection angle: -20° +20°, multi-level adjustable.
- Real-time Contrast of imaging of 2D and color Doppler: real-time contrast and observation of two dimensional image and color doppler image.
- Harmonic Imaging: Digital Harmonic Imaging, Turning (one button optimizing) & TDI.
- Duplex & Triplex Imaging Panoramic Trapezoid: support.





ITEM # 2
BEDSIDE PATIENT MONITOR TECHNICAL
MODEL # PG M9500
MAKE # PROGETTI - ITALY

F.O.R PRICE PKR 473,000.00 (Four lac seventy three thousand only)

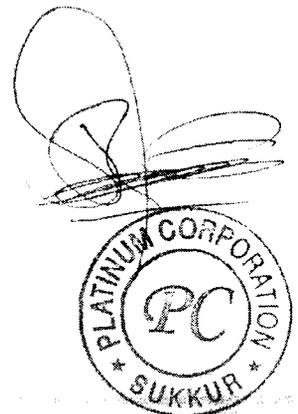
C&F EURO 3350.00 (Thirty three hundred fifty only)

- **SIZE AND WEIGHT**
- Size 366mm X 330mm X 162mm
- Weight 5 kg
- **DISPLAY**
- 15" Color TOUCH TFT-LCD
- Resolution 1024 X 768 pixels or higher
- **POWER SUPPLY**
- Power Voltage AC 100-240V 50/60Hz
- Power Input ≤ 85VA
- Fuse: T1.6AL/250V, Φ5X20 (mm)
- Safety class: Category I
- **BATTERY**
- Type: rechargeable Lithium battery
- Charge time: ≤ 6 hours
- Operating time under normal use and full charge:
- ≥ 120 minutes
- **THERMAL RECORD (OPTION)**
- Method: thermal dot array
- Paper width: 50mm (1.97 in)
- Paper Speed: 12.5/25/50 (mm/sec)
- Traces Maximum: 3 tracks
- **SYSTEM OUTPUT**
- Ethernet Network standard RJ45 socket
- RF Wireless LAN: 433MHz, 10mW (option)
- Nurse call output

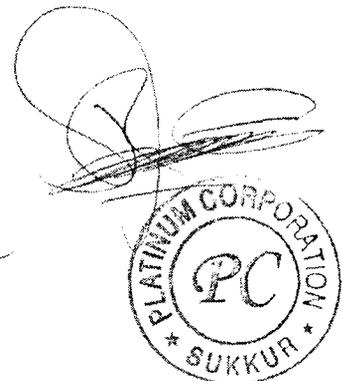




- Wide View Imaging: support.
- Integration of three-dimensional imaging: support 3D and 4D.
- Probe Specifications
- Probes:
- Convex (2.0/6.0 MHz)
- Linear (6.5/16.0 MHz)
- Endocavity (4.0/8.0 MHz)
- Probe Characters: Super Broadband Multi-frequency Probe
- Biopsy Guide: support
- 2D image parameters
- 2D Working Frequency: broadband frequency conversion point ≥ 5 .
- Frequency Range: 2.0MHz - 16.0 Mhz. 2D working frequency can be displayed by figure and adjusted separately.
- Display Mode: B, B/B, 4B, B/M, M mode in real-time and freeze state.
- Gray Scale: 256.
- Resolution: lateral resolution ≤ 1 mm, axial resolution ≤ 1 mm, (under 3.5MHz, depth ≥ 80 mm circumstance).
- Dynamic Range: 160db, 40db-160db is visible and adjustable.
- THI: 6 groups THI (two each on convex probe, linear probe and phased array probe)
- Scan Line Control of M type: M mode scanning line capable of rotating 360° around any point on the scanning line.
- Gain Adjustment: B/M, B/D can be adjusted separately.
- TGC: 8 bands
- Zoom: real-time partial magnification, position removable, 10 times magnification, 16 levels adjustable. Max. Display Depth ≥ 30 cm.
- Spectral Doppler
- Mode: PW, CW/TDI
- Blood Flow Rate: PWD: Max. Measurable velocity ≥ 8 m/s, CWD: Max. Measurable velocity ≥ 8 m/s, Min. Measurable Velocity ≤ 2 mm/s (Non-noise signal).
- Display Mode: B/D, M/D, D, B/CFM/D
- Sampling Width: 1mm - 25mm
- Display Control: reverse display (left/right, up/down), Baseline adjustable up and down. D Extension, B/D Extension, partial magnification.



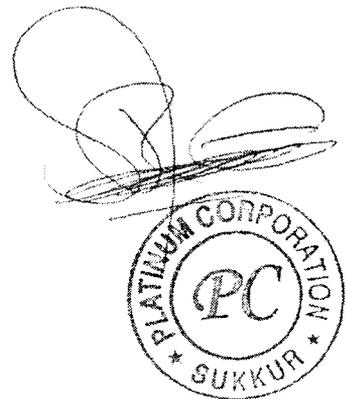
- Color Doppler
- Display Mode: speed, Energy, Speed+Direction, B/CFM B/CFM/PW
- B/CFM/M B/CFM/CW
- Display Angle: $\geq 85^\circ$
- Frame Rate: detectable depth 24cm, full angle, Max 200frame/s
- Display Control: baseline adjustable in 16 levels, B/CFM contrast.
- Others
- Cineloop: Image retrieval, cineloop playback ≥ 1536 frames, playback time ≥ 100 s.
- RTDT: Real-time dynamic transfer of images and videos.
- SVVR: Super volume video recording up to 1 hr.
- Archiving and Record: Management System ≥ 250 GHDD, DVD-RW, USB Disk storage, Built-in ultrasound workstation system (create, store, modify, inquire and print the patient report., which also has expert thesaurus, report templates, etc. Display, store and play image or cine.
- Bodymark: ≥ 95 types, with probe location
- Acoustic Power: ≥ 32 levels adjustable
- Interface: different languages (English, French), Hospital Name, Patient ID, Name, Gender, Age, Date, Time, Probe Model, Probe Frequency, Focus, Gain, Depth.
- Data Communication: DICOM3.0, Dual USB2.0, DVD-RW
- Signal Input and output: AV, S-video, RGB, USB digital signal, VGA, ECG, RS-232. Support PAL, NTSC video standard. Support nearly all printers, including laser printer, digital video printer, analog video printer.
- Software: powerful Measurement Software Package, Integrated Ultrasound Workstation, Specialized Software for 3D/4D.
- Power consumption : < 30 VA
- Dimensions: 260W x52H x220D mm
- Weight : < 1.8 Kg
- Fulfilled standards : EN 60601-1, EN 60601-1-2, EN 60601-2-25, EN 60601-2-51
- Safety : protection type CF (EN60601-1) Class I
- Class / Group : Class A / Group I (CISPR-11)
- Operating environmental conditions :
 - Temperature $+10$ to $+40$ °C



- Relative humidity 25 to 95% (non-condensing)
- Patient cable
- Electrodes set
- Gel flacon - Paper roll
- Power cable
- User manual
- PC software for data management
- Carryng case

OPTIONAL PROBES

- Phased Array (2.0/6.0 MHz)
- Micro-convex
- Electronic 4D probe



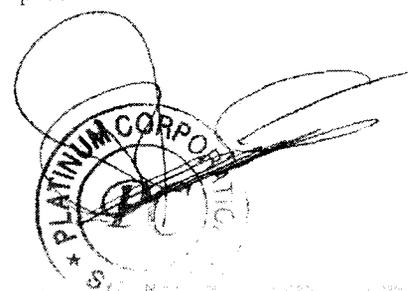


ITEM # 36
EEG POLYGRAPHIC MACHINE
MODEL # EEG202
MAKE # MISTAR – RUSSIA

F.O.R PRICE **PKR. 4150000.00 (Forty one lac fifty thousand only)**
C&F **EURO 31000.00 (Thirty one thousand only)**

- **EEG/Polygraphy Recording Software**
- EEG and Polygraphy 32 channels.
- Straightforward operating by picture symbols (mouse) or PC keyboard
- Optical, graphical and numerical presentation of impedance measurement, can be operated also at the headbox
- Measurement of impedance at any time, storing of all measured impedance values
- Multi-Window technology for simultaneous recording/reviewing
- Network wide presentation of a running record (on-line review)
- Definition of 20 event markers and an unlimited number of comments
- Possibility of infliction of a WAVE file to each marker
- Automatic marking of photic stimulation (programmable)
- Automatic marking of hyperventilation (programmable)
- Input of print marker for subsequent EEG printout
- Automatic stop of recording after a defined recording time and transmission of a network message
- Programmable Macro for EEG recording
- Input of channel-specific comments
- Design and presentation of an unlimited number of EEG montages
- On-line setting of all recording parameters

- **EEG/Polygraphy Review Software**
- Unitary for EEG, digital videometry and long-term EEG
- Straightforward operating by picture symbols (mouse) or PC keyboard
- Design and presentation of an unlimited number of EEG montages and presentation parameters
- Automatic switching of montages according to the recording montage
- Searching for markers, events, notes and time
- Input, shifting and editing of markers
- Automatic paging with variable speed, scroll function



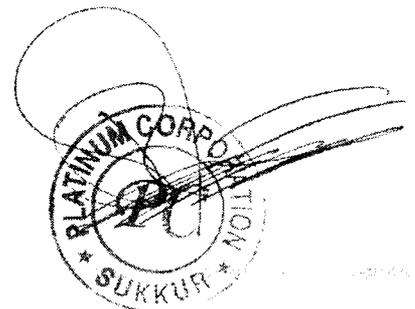
- Presentation of date, time, start time and recording length
- Integrated customized and macro-supported report template
- Simultaneous paging in different records
- Synchronous real time scrolling or paging of video EEG's, high speed or picture wise
- Editable color of EEG and polygraphy traces
- Automatic EEG measuring function for amplitude and dominant frequency
- Zoom of EEG segments including measuring function for amplitude, frequency and time
- Dynamic amplitude mapping of selectable EEG segments
- Frequency analysis of selectable EEG segments
- Frequency mapping of selectable EEG segments and frequency bands
- Export for all numerical analysis results for extended statistical processing
- Import/Export function for different EEG formats.
- Export function for selectable EEG's including viewer software for EEG presentation and reviewing on each PC
- Storing of all analysis segments for subsequent comparisons or re-analysis
- Editor for long-term and video EEG's and storing of edited EEG and video clips.
- Printout of selectable EEG segments, analysis segments and analysis results
- Integration of foreign analysis software by means of EDF data transfer

➤ **EEG HEADBOX**

- Dynamic range: 0.5 μ V – 1 mV.
- Polygraphic channels (EOG, ECG, RESP, EMG, POS, MIC).
- Dynamic range polygraphic channels 0.8 μ V - 1.57 mV.
- Input impedance: > 20 MW.
- CMRR: > 100 dB.
- Noise: < 2 μ V pp.
- Lower cutoff frequency 0.2 Hz.
- Upper cutoff frequency 300 Hz.
- Sampling rate 2048/channel.
- Sampling resolution 16 Bit (ADC).
- Transmission rate (selectable) 128, 256, 512 Samples/s.
- Transmission sensitivity (selectable) 30.5 nV/Bit (128 Samples), 61nV/Bit (256 Samples).
- Transmission protocol TCP/IP, optically decoupled LAN adapter.
- Transmission velocity 10 Mbit.
- Power consumption < 1 W.
- Integrated impedance measurement with LED display.
- Mobile stand for EEG headbox.

➤ **LED PHOTIC STIMULATOR**

- Power supply: 12 V Power



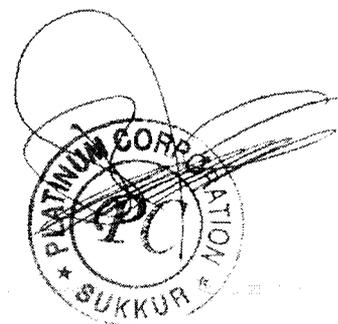


- Consumption: 50 VA
- Trigger input Optic, 1 ms, TTL optional
- Max. flash frequency: 60 Hz
- Controlled by EEG recording software
- User-defined stimulation programs Unlimited number of programs
- Start/Pause/Stop of stimulation by function key

- **EEG video**
- Digital videometry monitoring.
- **WORKSTATION**
- Video: Digital synchronized recording (MPEG 1, 2 or 4 format) with zoom function during evaluation.
- Camera: Daylight (color) or night camera (b/w) with integrated IR light, auto zoom, pant/tilt, remote control, mic, audio amplifier.

- EEG/polygraphy recording, reviewing, archiving and data backup.

- **Hardware**
- Processor Min. 2 GHz or more
- 1 GB SD-RAM or more
- Hard Disk 160 GB or more
- Graphic board Onboard
- Monitor 23" TFT or more
- Network adapter transmission rate onboard, TP/B, 10/100 Mbit
- Backup drive DVD/CD RW
- OS WINDOWS 7 or better.
- Keyboard, Mouse, Mousepad and Laser Printer.





PLATINUM

ITEM # 37
EMG MACHINE
MODEL # EMG 603
MAKE # MISTAR – RUSSIA

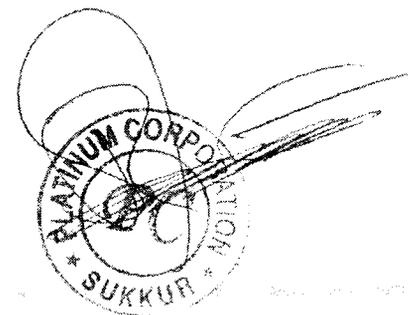
F.O.R PRICE **PKR. 4630000.00 (Forty six lac thirty thousand only)**
C&F **EURO 31000.00 (Thirty one thousand ony)**

- Pre-configured machine with accessories kit.
- PC based system with Windows operating system and inbuilt patient centric database.
- Latest EMG/NCS/EP acquisition and review software.
- Both predefined and user configurable test protocols.
- Flexible report generation.
- Software guidance for electrode positioning.
- Storage to EMG with full acquisition resolution.
- Archival recorded exams/reports CD/DVD.
- Printing of reports on heavy duty laser printer.
- Ether LAN connectivity.
- Export of the report into PDF

- **NERVE CONDUCTION STUDY**
- Motor Nerve Conduction Study
- Sensory Nerve Conduction Study
- Repetitive Stimulation
- F-wave
- H Reflex
- Blink Reflex
- Single Muscle Fiber Test

- **SOMATOSENSORY EVOKED POTENTIAL**
- SEP (Somatosensory Evoked Potential)
- SSEP (Short Latency SEP)

- **VISUAL EVOKED POTENTIALS**



- Stimulation type: Checkerboard, pattern flash, onset/offset, Picture stimulation, visual P300)
- Pattern: Checkerboard, vertical and horizontal stripes, pictures; variable size
- Stimulation field: Full, half, quarter field
- Fixation point: different fixation points, colored bitmaps, variable position
- Pattern color: black white, 16 grey steps
- Monitor: 17" TFT monitor
- LED goggle: left, right, both eyes stimulation

➤ **AUDITORY EVOKED POTENTIALS**

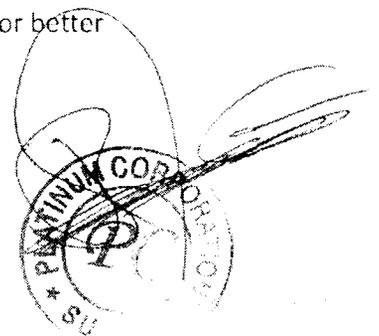
- Stimulation type: Klick, Klick-Klack, Tone pips of all relevant frequencies
- Stimulation frequency: manual, 1 - 100/s in dependence of the examination
- Sound pressure: 0 - 124 dB SPL, in 1 db steps
- Stimulation duration: 50 μ s – 1 ms; in 50 μ s steps
- Stimulation polarity: Condensation, rarefaction, alternating
- Overlapping: White noise with adjustable intensity
- Parameter setting: With keyboard, mouse and remote control.

➤ **ELECTRICAL STIMULATOR:**

- Numbers: 1 integrated electrical stimulator.
- Stimulation current: 0 – 100 mA; in 1 mA steps
- Stimulation duration: 50 μ s – 1 ms; in 50 μ s steps
- Stimulation type: Single, Double, Train
- Stimulation frequency: manual, 0.1 - 100/s in dependence of the examination program
- Parameter setting: Keyboard, Mouse and Remote Control.
- Display: Display of stimulation current, stimulation puls width and stimulation type on screen

➤ **AMPLIFIER**

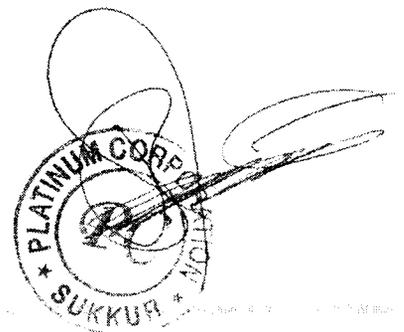
- No. of channels : 4
- Power requirement : 220V, 50Hz, and 22watt or better
- Input impedance : >100 MOhm
- CMRR : >100dB
- AC interference Notch filter : 50 or 60 Hz
- Noise level : <1 μ V or better





- Low-frequency limit : <8mHz
- High-frequency limit : 20kHz
- Skin electrode contact impedance check : 2, 5, 10, 20, 50 kΩ.
- A/D converter : 24 bits or better
- Constant Current Electrical Stimulator : Stim Current, 0- 100mA
- Stim Voltage : 400V
- Stim Duration : 50us – 1ms
- Stim types : single, pair, train

- **AMPLIFIER:**
- Sampling rate : 50 kHz/channel
- ADC : 24 bit
- Resolution : 10 nV/d
- Channel : 4
- Max. Input voltage : 25 mV
- Noise : < 1 μV pp @ 2 Hz–10 kHz, shorted input
- Input impedance : > 110 MOhm
- CMRR : > 110 dB
- Lower cutoff frequency : 0.02 Hz - 1000 Hz in 15 steps
 - 0.02, 0.05, 0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50, 100, 200, 500, 1000 Hz); 6 dB/Oktave
- Upper cutoff frequency : 20 Hz - 15 kHz in 11 steps
 - (20, 50, 100, 200, 500 Hz, 1, 2, 3, 5, 10, 15 kHz); 6 dB/Oktave
- Notch filter : 50/60 Hz.
- Temperature measurement : 20-40 °C, with temperature probe.
- Impedance measurement: 0-100 kOhm @ 10 Hz in 0,1 kOhm steps



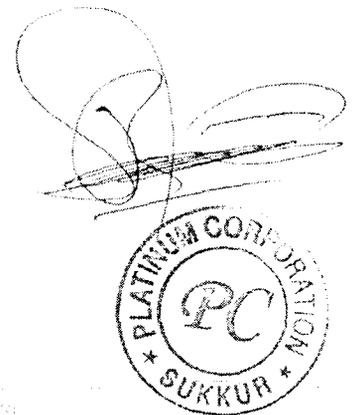
PLATINUM

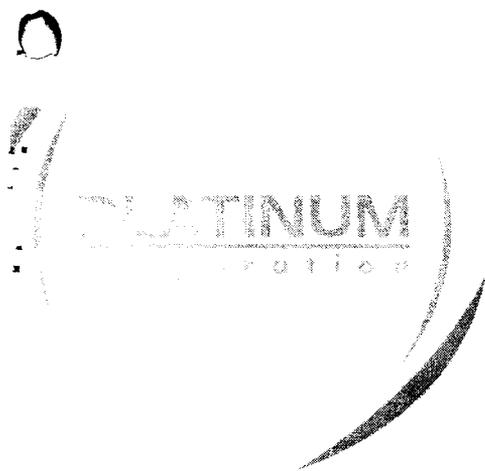
ITEM # 42

**ANAESTHESIA MACHINE WITH VENTILATOR TECHNICAL
MODEL # MISTRAL III INTEGRATED
MAKE # NORVAP – UK**

**F.O.R PRICE PKR 1895000.00 (Eighteen lac ninety five only)
C&F EURO 12500.00 (Twelve thousand five hundred only)**

- Standard/Cascade flow tubes.
- Cascade flow tubes with electronic flow display providing numeric representation of gas flow
- Virtual flow display (VFD) numeric and graphic
- Virtual flow display also provides touch screen control of back lighting
- 03 Gas (O2 / N2O / Air) with ventilator Comprising of:-
- Gas (Oxygen / N2O / Air)
- Two Vaporisers Mounting
- 03 Gas Rotameter (O2 + N2O + Air)
- Mechanical Anti – Hypoxic Device.
- Non – inter changeable pipeline inlets
- Pipeline & Cylinder gauges for O2 + N2O+ Air along with hoses.
- Pin Index cylinder yokes.
- Gas Outlet and O2 flush control.
- 02 Auxiliary O2 power outlets.
- Lockable castors.
- Monitors Shelf.
- Impact resistant & easy to clean frame.
- Stainless steel work surface.
- Absorber support arm.
- 03 Gas flowmeter for O2 + N2O + Air.
- Sigma Delta Sevoflurane Vaporizer.
- Flow and Temperature compensated (Service Free)
- Base lockable 6” Drawer unit.
- Main power outlet 220 / 240 Vac (IEC X 4)
- Writing Shelf / Platform.
- Sharp holder.
- High suction Controller with receiver jar of
- Ltrs complete with connections and fittings.
- SPA Carbon Dioxide Absorber with Bag





- Defibrillation Output: Option
- Video Output: Option
- **ALARM**
- Three Level: Low, medium and high
- Indication: Auditory and visual
- Setup: Default and custom
- Silence: All alarms can be silenced
- Volume: 45~85 dB measured at 1 meter
- **TREND**
- Store & review 168 hours trend data and trend maps
- Parameter option: HR, SpO2, NIBP, PR, Resp, CO2, Temp1, Temp2, AA, N2O, O2, IBP1, IBP2, ST, C.I..
- Cycle intervals of trend storage 1min, 2min, 3min, 4min, 5min, 10min, 15min, 20min, 25min, 30min.
- **STORE & REVIEWING**
- ECG: 30 minutes one important lead's ECG waveform
- Alarm: 1800 groups Alarm events reviewing
- NIBP: 1000 groups NIBP measurement
- Arrhythmia: 128 groups data (8 seconds ECG waveform)
- Power-off storage: 72 hours trend data & 1 ECG wave form (option)
- **ENVIRONMENT**
- Working temperature: 0~+40°C
- Transportation and storage temperature: 20~+55°C
- Relative humidity: Working $\leq 85\%$
- Transportation and storage $\leq 93\%$
- Atmospheric pressure: Working 860~1060 hPa
- Transportation and storage 500~1060 hPa
- **STANDARD CONFIGURATION:**
- ECG, HR, RESP, NIBP, SpO2, PR, 2-TEMP, Lithium Battery
- **OPTION:**
- 2-IBP, Recorder, EtCO2 (side stream, main stream), Anesthetic Gas, Nellcor
- SpO2, ICG, SD memory card

- **ECG**
- Mode: 5-leads (standard); 3-leads





ITEM # 51
TRANSPORT VENTILATOR TECHNICAL
MODEL # PR-4G
MAKE # LEISTUNG, BRAZIL

F.O.R PRICE **PKR 1950000.00 (Nineteen lac fifty thousand only)**
C&F **USD 15000.00 (Fifteen thousand only)**

Adult / Pediatric:

- VCV Assisted/Controlled
- PCV Assisted/Controlled
- PSV/CPAP
- PRVC
- SIMV (VCV) + PSV
- SIMV (PCV) + PSV
- Biphasic Pressure (APRV+PSV)
- NIV (Leakage compensation in all ventilator modes)

Ventilation Backup:

- VCV
- PCV

Neonatal:

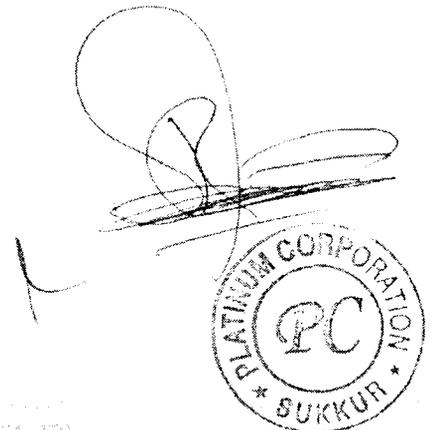
- PCV Assisted/Controlled
- PSV/CPAP
- SIMV (PCV) + PSV
- Continuous Flow
- Nasal CPAP

Ventilation Backup:

- PCV

Initial Setup:

- Patient Selection
- Gender Selection
- Height Selection
- Automatic Theoretical Weight Calculation
- Ventilation Level per mL/kg
- Artificial Airway Type
- Humidification Type





- Circuit Compliance Measurement
- Last Patient Function

Operational Visualization:

- Selection of the monitored
- Ventilation variables
- Battery Charge Indicator
- Pressure Bargraph

Customizable selection of up to 5 simultaneous graphics (Adult and Pediatric):

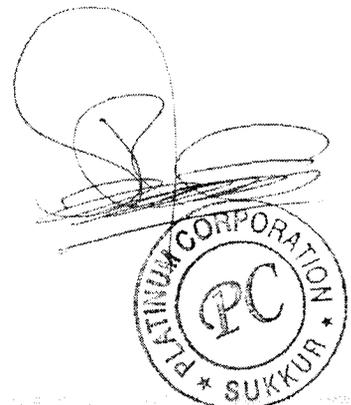
- Pressure/Time
- Flow/Time
- Volume/Time
- Volume/Pressure Loop
- Flow/Volume Loop
- Pressure/Flow Loop
- Plethysmography
- ETCO₂/Time

Customizable selection of up to 2 simultaneous graphics (Neonatal):

- Pressure/Time
- Flow/Time
- Pressure/Flow Loop
- Plethysmography
- ETCO₂/Time

Monitored Parameters:

- Peak Pressure
- Plateau Pressure
- Mean Pressure
- Base Pressure (PEEP)
- Peak Inspiratory Flow
- Peak Expiratory Flow
- Expiratory Tidal Volume
- Minute Volume
- Respiratory Frequency
- I:E
- Ti/Ttot
- Inspiratory Time
- Expiratory Time
- Tendency Graphics
- Alarms Log



- PCV Assisted/Controlled
- PSV/CPAP
- PRVC
- SIMV (VCV) + PSV
- SIMV (PCV) + PSV
- Biphasic Pressure (APRV+PSV)
- NIV (Leakage compensation in all ventilator modes)

Ventilation Backup:

- VCV
- PCV

Neonatal:

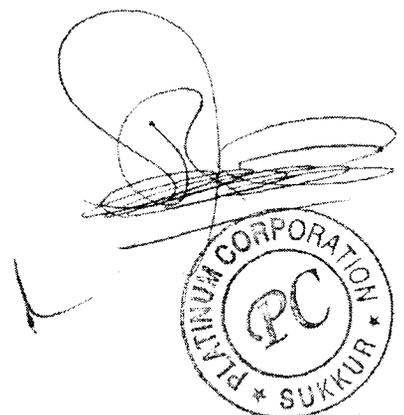
- PCV Assisted/Controlled
- PSV/CPAP
- SIMV (PCV) + PSV
- Continuous Flow
- Nasal CPAP

Ventilation Backup:

- PCV

Initial Setup:

- Patient Selection
- Gender Selection
- Height Selection
- Automatic Theoretical Weight Calculation
- Ventilation Level per mL/kg
- Artificial Airway Type
- Humidification Type



0



➤ **Lung Mechanics:**

- Inspiratory Resistance
- Expiratory Resistance
- Dynamic Compliance
- Static Compliance
- AutoPEEP

➤ **Optionals:**

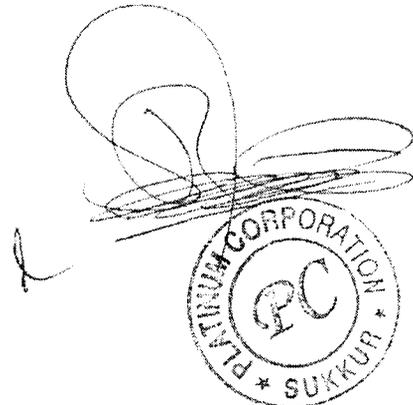
- Heart Rate
- Plethysmography
- Inspired CO₂
- SpO₂/FiO₂
- ETCO₂
- SpO₂
- FiO₂

➤ **Programmable Parameters:**

- FiO₂
- -50% up to 100%
- Flow
 - Square
 - Sinusoidal
 - Ascending
 - Descending
- -Descending 50%
- Rise Time
- Inspiratory Time
- Respiratory Frequency
- Tidal Volume
- Minute Volume
- Expiratory Sensibility
- Controlled Pressure
- Support Pressure
- PEEP
- Sensibility:
 - -Pressure/Flow
- Apnea Time
- Inspiratory Pause
- Sigh

100%

Waveform:



PLATINUM

Corporation

➤ **Auxiliary Functions:**

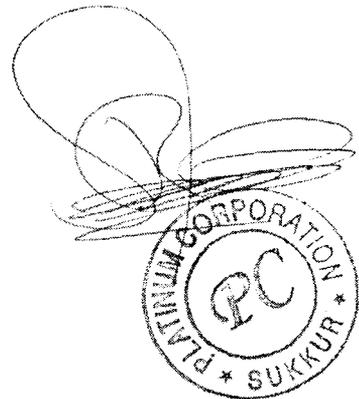
- Oxygen 100%
- Manual Inspiratory Trigger
- Graphics Freeze

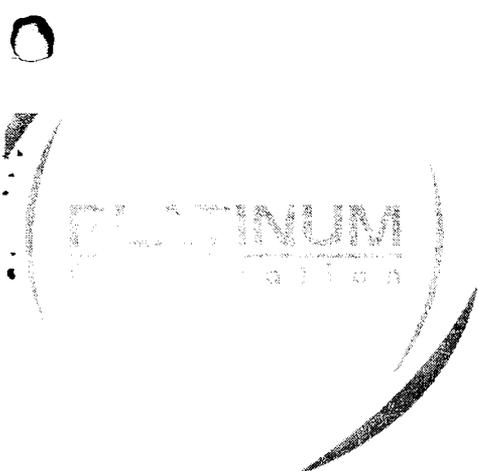
➤ **Programmable:**

- Max. Respiratory Frequency
- Max. Exhaled Minute Volume
- Min. Exhaled Minute Volume
- Max. Exhaled Tidal Volume
- Min. Exhaled Tidal Volume
- Maximum Pressure
- Minimum Pressure
- Apnea
- PEEP

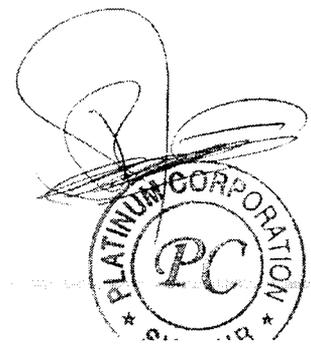
➤ **Automatic:**

- Low Battery
- Power Failure
- Low O₂ Pressure
- Interrupted Cycle
- Inverted I:E Rati





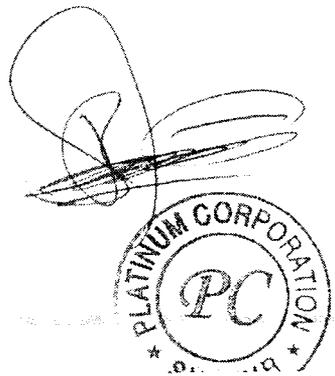
- Lead selection: I, II, III, aVR, aVL, aVF, V1~V6 (option)
- Gain: AUTO, 0.25x, 0.5x, 1.0x, 2.0x, 4.0x
- Insulation Breakdown Voltage 4000VAC 50/60Hz
- Sweep speed 12.5mm/s, 25mm/s, 50mm/s
- HR Range: 10~350 bpm
- HR Accuracy $\pm 1\%$ or ± 1 bpm, whichever is greater
- **ST SEGMENT**
- Measurement Range - 2.0mV~2.0mV
- Resolution 0.01mV
- **RESP**
- Method: Impedance variation between RA-I.L (R-F)
- Measurement Range: 0~150 rpm
- Accuracy: ± 2 rpm
- Gain: x1, x2, x4
- Sweep speed 6.25mm/s, 12.5mm/s, 25mm/s
- **TEMP**
- Measurement Range: 0~50.0°C
- Unit: Celsius (°C), Fahrenheit (°F)
- Accuracy: $\pm 0.1^\circ\text{C}$ (exclusive of probe)
- Connecting cable: Compatible with YSI-400
- SpO2
- Measurement Range 0~100%
- Accuracy 70~100%. $\pm 2\%$
- 0~69%, unspecified
- PR Range 25~250 bpm
- PR Accuracy $\pm 1\%$ or ± 1 bpm, whichever is greater
- **NIBP**
- Technique: Automatic oscillometry
- Range: Adult: 10~270 mmHg
- Child: 10~235 mmHg
- Neonate: 10~135 mmHg
- Accuracy: Static $\pm 2\%$ or ± 3 mmHg, whichever is greater
- Unit: mmHg, kPa
- Pulse rate range: 40~240 bpm
- Intervals for AUTO measurement: 1,2,3,4,5,10,15,20,30,45,60,90



- minutes 2,4,8 hours
- **IBP (OPTION)**
- Channel: 2
- Measurement Range: -50~ +300 mmHg
- Unit: mmHg, kPa
- Accuracy: ± 2 mmHg or 2%, whichever is greater
- **EtCO₂ (OPTION, Sidestream, LoFlo)**
- Range 0~19.7% (0 ~ 150 mmHg)
- Unit: %, mmHg, kPa
- Respiration Rate Range 2~150 bpm

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ITEM # 03
BLOOD GAS ANALYZER

MODEL # NOVA
MAKE # NOVA BIOMEDICAL

F.O.R PRICE PKR 1950000.00 (Nineteen lac fifty thousand only)

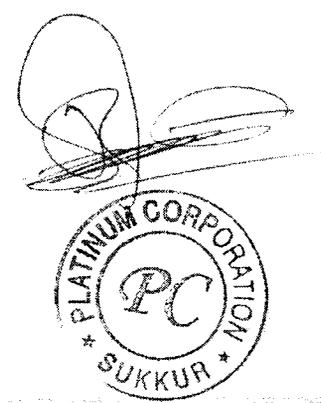
C & F EURO 10900.00 (Ten thousand nine hundred only)

Display: 5.4" LCD-display, illuminated, 15-lines, 30 characters

- Measured Parameters: pCO₂ , pO₂ , K⁺ , Na⁺ , Li⁺ , Cl⁻ , Ca⁺⁺, pH, Glu, Lac, tHb, barometric pressure
- Calculated Parameters: HCO₃⁻-A, HCO₃⁻-S, BE, BE_{ecf} (SBE), TCO₂ , BB, O₂ sat, O₂ CT, P50, AaDO₂ , Hct, H⁺ , AGAP, SHUNT, Acid-Base Status
- Throughput: Up to 80 tests/hour depending on configuration
- Sampling Method: Aspiration system adapted for both capillary and syringes, cleaned with Rinse Solution automatically
- Sample Volume: 50-200 µl depending on measured parameters
- Sample Types: Whole Blood, Arterial Blood, Urine, Serum, Plasma, Respiration Gas
- Calibration: 2-Point calibration in standard and economy modes suited to your working hours.
- Measurement Temperature of Electrodes and Sensors: Electrodes and Sensor temperature automatically adjusted to 37.0°C ± 0.2 during measurements.
- Data Capacity: 2 GB SD Card, 32000 measurements and QC data sets

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ITEM # 04
BIPAP VENTILATOR

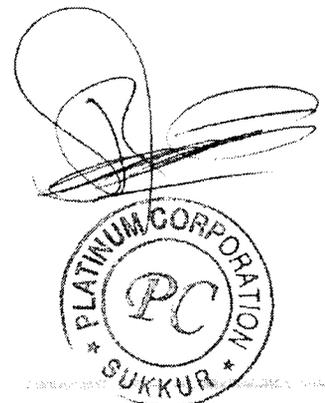
MODEL # **150**
MAKE # **RESMED AUSTRALIA**

F.O.R PRICE **PKR 1670000.00 (Sixteen lac seventy only)**

C&F **USD 11500.00 (Eleven thousand five hundred only)**

Environmental operating Temperature from 5 °C to 35 °C or more and storage temperature capacity from -20 °C to °C or more and non-condensing capability.

- Standard physical dimension.
- Atmospheric pressure from 101 to 77 kPa or more.
- General requirements for safety of Medical and electrical equipment.
- Electromagnetic compatibility RTCA / DO -160F
- Protection against electric shock type BF
- Auto pressure accuracy Bi-level I Bi-level pressure.
- With Full Face Mask, software CD, Data storage and review facility and more
- Modes should be CPAP, Spontaneous, Spontaneous/Timed, Timed, Pressure Control with average volume assured pressure support feature.
- Features of average volume assured pressure support to automatically adapt to disease progression and changing patient needs on desire.
- Displayed parameters like Patient pressure, leak, tidal volume, minute ventilation, and respiratory rate.
- Patient alarms like Patient Disconnection, Apnea, Low Minute Ventilation, Low Tidal Volume - option for Heated Humidification.
- Inspiratory time 0.5 to 3.0 seconds
- IPAP 4 to 30 cmH2O
- EPAP 4 to 25 cmH2O
- Target tidal volume 200 - 1500 ml
- Breath rate 0 - 30 bpm



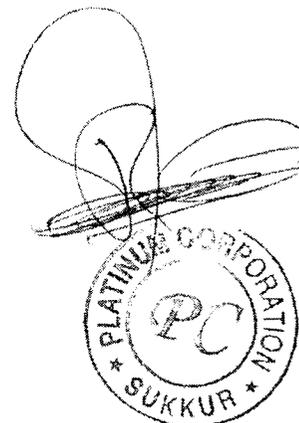
ITEM # 6
INFUSION PUMP TECHNICAL
MODEL # PG- 807I with option of docking
MAKE # PROGETTI - ITALY

F.O.R PRICE PKR 207120.00 (Two lac seven thousand one hundred twenty only)
C&F EURO 1290.00 (Twelve hundred ninety only)

- Display: 4.3" LCD TFT touch screen, 10 levels display brightness contrast
- Infusion mode: 7 modes available: ml/h, body weight, drip, loading dose, ramp, sequence and relay mode
- Micro mode: 100 ml to 1200ml programmable
- Infusion rate range: 0.01 – 1200 ml/h with min. increment 0.01 ml/h
- System Accuracy: $\geq 1\text{ml/h}, \pm 5\%$
- KVO Rate: 0.01 - 5.00ml/h, default value is 1 ml/h
- Minimum flow rate increment: 0.01ml/h
- Bolus: Manual bolus and programmable bolus, anti-bolus support
- Bolus volume: Minimum 0.1ml, max 50ml
- VTBI (volume to be infused): 0-9999ml, minimum step is 0.01ml
- Total Volume Infused: 0.01-9999.99ml, minimum step is 0.01ml
- Time Range: 1min-99hrs59min
- Purge: 1200 ml/h
- Air detection: 7 levels, sensitivity 20 μl
- Occlusion levels: 12 levels, upstream and downstream occlusion
- History records: More than 5000 records
- Other functions: Nurse call, RS232, data export
- Interface: Mini USB
- Dimensions: 234(W)*99(D)*120(H) mm
- Weight: 1.8kg

Power Supply

- AC power supply: AC 110/240V, 50/60 Hz
- Input power: 50 VA
- DC power supply: DC 15V lithium battery



Tender for Purchase of Machinery / Equipment for the year 2017-18
PEOPLES MEDICAL COLLEGE HOSPITAL NAWABSHAH
SHAHEED BENAZIRABAD

(FINANCIAL PROPOSAL)

S. No	Item Description	Qty	Brand	Model	Price in Words and Figure (DDP)	Total DDP
12	Laparoscope Complete Set LAPROSCPIC CAMERA SYSTEM CMOS FULL HD	01	Covidien (A Medtronic Company)	Covidien CMOS Native Full HD Camera System	Rs 5,000,000.00 Fifty Lac Only	Rs 5,000,000.00
25	Therapeutic Hysteroscope TRUE CLEAR SYSTEM WITH COVIDIEN NATIVE HD CAMERA SYSTEM	01	Covidien (A Medtronic Company)	TRUE CLEAR SYSTEM WITH COVIDIEN NATIVE HD CAMERA SYSTEM	Rs 4,000,000.00 Forty Lac Only	Rs 4,000,000.00
45	Binocular Microscope Humascope Premium	01	Humam GmbH	14700	Rs: 230,000.00 Two Lac Thirty Thousand Only	Rs: 230,000.00
46	Centrifuge Machine Humax 4K	02	Humam GmbH	15200/2	Rs: 245,000.00 Two Lac Forty Five Thousand Only	Rs: 490,000.00

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QUOTATION

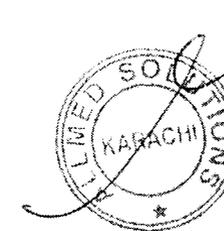
S No.	Model No.	Description	Qty	TOTAL C.I.F. (Euro)		TOTAL D.D.P. (Pak Rs)	
				Unit Price	Total Price	Unit Price	Total Price
12	30160MP	<p>→ Trocar size 5.5mm</p> <p>Trocar, size 6 mm, Consisting of: 30160 P Trocar only, with pyramidal tip 30160 H2 Cannula without valve, with insufflation stop- cock, length 10.5 cm 30160 M1 Multifunctional Valve Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany</p>	2	€ 425.00	€ 850.00	PKR 68,000.00	PKR 136,000.00
13	26120JL	<p>→ Veress Insufflation Needle</p> <p>VERESS Pneumoperitoneum Needle, with spring-loaded blunt inner cannula, LUER-Lock, autoclavable, diameter 2.1 mm, length 13 cm Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany</p>	1	€ 111.00	€ 111.00	PKR 17,760.00	PKR 17,760.00
14	30140DB	<p>→ Reduction Sleeve</p> <p>Reduction Sleeve, 11/5 mm Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany</p>	1	€ 128.00	€ 128.00	PKR 20,480.00	PKR 20,480.00
15	33351HM	<p>→ Atraumatic Alligator Forceps</p> <p>CLICKLINE Dissecting- and Grasping Forceps, rotating, with connector pin for unipolar coagulation, size 5 mm, length 35 cm, "alligator jaws", double action jaws, Consisting of: 33151 Plastic Handle without ratchet, with larger contact area 33300 Outer Tube, insulated 33310 HM Forceps Insert Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany</p>	1	€ 740.00	€ 740.00	PKR 118,400.00	PKR 118,400.00





QUOTATION

S No.	Model No.	Description	Qty	TOTAL C.I.F. (Euro)		TOTAL D.D.P. (Pak Rs)	
				Unit Price	Total Price	Unit Price	Total Price
		→ Universal Grasper					
16	33351UL	CLICKLINE REDDICK-OLSEN Dissecting and Grasping Forceps, rotating, with connector pin for unipolar coagulation, size 5 mm, length 36 cm, heavy, double action jaws, Consisting of: 33151 Plastic Handle, without ratchet, with larger contact area 33300 Outer Tube, insulated 33310 UL Forceps Insert Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 740.00	€ 740.00	PKR 118,400.00	PKR 118,400.00
		→ Adtec Fixation & Dissecting Forceps					
17	33353G	CLICKLINE Grasping Forceps, rotating, with connector pin for unipolar coagulation, size 5 mm, length 36 cm, 2 x 4 teeth, double action jaws, Consisting of: 33153 Plastic Handle, with hemostat style ratchet, with larger contact area 33300 Outer Tube, insulated 33310 G Forceps Insert Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 784.00	€ 784.00	PKR 125,440.00	PKR 125,440.00
		→ Maryland Dissecting Forceps					
18	33351MD	CLICKLINE KELLY Dissecting and Grasping Forceps, rotating, with connector pin for unipolar coagulation, size 5 mm, length 36 cm, double action jaws, Consisting of: 33151 Plastic Handle, without ratchet, with larger contact area 33300 Outer Tube, insulated 33310 MD Forceps Insert Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 740.00	€ 740.00	PKR 118,400.00	PKR 118,400.00





ON STAGE

S No.	Model No.	Description	Qty	TOTAL C.I.F. (Euro)		TOTAL D.D.P. (Pak Rs)	
				Unit Price	Total Price	Unit Price	Total Price
21c	37370DU	Suction and Coagulation Cannula, U-shaped, size 5 mm, length 36 cm, for use with suction and irrigation handles Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 130.00	€ 130.00	PKR 20,800.00	PKR 20,800.00
		→ HF High Frequency Cable					
22	26002M	Unipolar High Frequency Cord, with 4 mm plug, length 300 cm, for models KARL STORZ, Erbe type T, older models and Eliman Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 59.00	€ 59.00	PKR 9,440.00	PKR 9,440.00
		→ Suction & Irrigation Tube					
23	26173BN	Suction and Irrigation Tube, with lateral holes, anti-reflex surface, with two-way stopcock for single-hand control, size 5 mm, length 36 cm Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 359.00	€ 359.00	PKR 57,440.00	PKR 57,440.00
		→ Clip Applicator Local Provided (F.O.C.)					
24	30444ET	Clip Applicator, dismantling, rotating, size 10 mm, length 36 cm, with ratchet to lock the jaw holding the clip, (LOCALLY SUPPLY) Consisting of: 30444 H Metal Handle, with ratchet 30444 A Metal Outer Sheath 30440 ET Insert, for use with Ethicon Titanium-Clips LT-300 (medium large)	1	€ 1,042.00	€ 1,042.00	PKR 166,720.00	PKR 166,720.00

TOTAL D.D.P. (Pak Rupees)

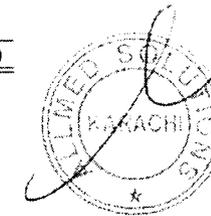
PAK RUPEES TWELVE MILLION SEVEN HUNDRED ONE THOUSAND SEVEN HUNDRED & EIGHTY ONLY

TOTAL C.I.F. (Euro)

EURO SEVENTY NINE THOUSAND & EIGHTY FOUR ONLY

€ 79,084.00

PKR 12,701,780.00





QUOTATION

ALLMED SOLUTIONS
 KARACHI
 P.O. BOX 1111
 KARACHI-74000
 TEL: 37333333
 FAX: 37333333
 E-MAIL: info@allmed.com

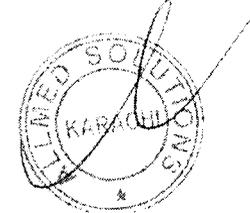
S No.	Model No.	Description	Qty	TOTAL C.I.F. (Euro)		TOTAL D.D.P. (Pak Rs)	
				Unit Price	Total Price	Unit Price	Total Price

ITEM NO.14	
TECHNICAL SPECIFICATIONS	
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS	
PEADS CYSTOSCOPE WITH BRIDGE	QTY 01

		→ Telescope 0 Degree								
1	27017AA	HOPKINS Straight Forward Tele- scope 0°, ø 1.9/2.1 mm, autoclavable, fiber optic light transmission incorporated, Color code: green Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€	3,517.00 €	3,517.00	PKR	562,720.00	PKR	562,720.00
		→ Telescope 30 Degree								
2	27017BA	HOPKINS Forward-Oblique Telescope 30°, ø 1.9 mm/2.1 mm, autoclavable. fiber optic light transmission incorporated, Color code: red Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€	3,719.00 €	3,719.00	PKR	595,040.00	PKR	595,040.00
		→ Cysto Urethroscope Sheath 9.5 Fr.								
3	27031E	Cystoscope-Urethroscope Sheath, 9.5 Fr., working length 14 cm, with 4 Fr. working channel, color code: blue-white Consisting of: 27031 E Cystoscope-Urethroscope Sheath 27031 EO Obturator and 2 LUER-Lock Cones Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€	795.00 €	795.00	PKR	127,200.00	PKR	127,200.00

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Q1907470

S No.	Model No.	Description	Qty	TOTAL C.I.F. (Euro)		TOTAL D.D.P. (Pak Rs)	
				Unit Price	Total Price	Unit Price	Total Price
		→ Cysto Urethroscope Sheath 11 Fr.					
4	27031F	Cystoscope-Urethroscope Sheath, 11 Fr., working length 14 cm, with 5 Fr. working channel, color code: red-white Consisting of: 27031 F Cystoscope-Urethroscope Sheath 27031 FO Obturator and 2 LUER-Lock Cones Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 795.00	€ 795.00	PKR 127,200.00	PKR 127,200.00
		→ Grasping Forceps Flexible 3 Fr.					
5	27071TJ	Grasping Forceps double action jaws, flexible, 3 Fr., length 28 cm Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 661.00	€ 661.00	PKR 105,760.00	PKR 105,760.00
		→ Biopsy Forceps Flexible 3 Fr.					
6	27071ZJ	Biopsy Forceps, 3 Fr., double action jaws, flexible, length 28 cm Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 661.00	€ 661.00	PKR 105,760.00	PKR 105,760.00
		→ Coagulating Electrode 3 Fr.					
7	27770AA	Coagulating Electrode, 3 Fr., unipolar, length 53 cm Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 79.00	€ 79.00	PKR 12,640.00	PKR 12,640.00
		→ Needle Electrode 3 Fr.					
8	27772AA	Needle Electrode, 3 Fr., unipolar, length 53 cm Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 79.00	€ 79.00	PKR 12,640.00	PKR 12,640.00
		→ Unipolar High Frequency Cord, with 4 mm plug, length 300 cm, for models (KARL STORZ, Erbe type T, older models and Ellman)					
9	26002M	Unipolar High Frequency Cord, with 4 mm plug, length 300 cm, for models (KARL STORZ, Erbe type T, older models and Ellman) Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 59.00	€ 59.00	PKR 9,440.00	PKR 9,440.00





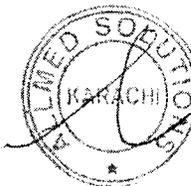
QUOTATION

ALLMED SOLUTIONS
 100, 10th Floor, Block 1, Phase 1, F-7/1, Islamabad
 Tel: +92-343-2111111, Fax: +92-343-2111112
 Email: info@allmed.com.pk, sales@allmed.com.pk
 Website: www.allmed.com.pk

S No.	Model No.	Description	Qty	TOTAL C.I.F. (Euro)		TOTAL D.D.P. (Pak Rs)		
				Unit Price	Total Price	Unit Price	Total Price	
TOTAL D.D.P. (Pak Rupees)							PKR	1,658,400.00
PAK RUPEES ONE MILLION SIX HUNDRED FIFTY EIGHT THOUSAND & FOUR HUNDRED ONLY								
TOTAL C.I.F. (Euro)				€	10,365.00			
EURO TEN THOUSAND THREE HUNDRED & SIXTY FIVE ONLY								

ITEM NO.15	
TECHNICAL SPECIFICATIONS	
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS	
PEADS RESECTOSCOPE COMPLETE SET	QTY 01

S No.	Model No.	Description	Qty	Unit Price	Total Price	Unit Price	Total Price
→ Telescope 0 Degree							
1	27017AA	HOPKINS Straight Forward Teie- scope 0°, ø 1.9/2.1 mm, autoclavable, fiber optic light transmission incorporated, Color code: green Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 3,517.00	€ 3,517.00	PKR 562,720.00	PKR 562,720.00
→ Resectoscope Sheath							
2	27047E	Resectoscope Sheath, with LUER-Lock stopcock, 11 Fr., color code: green Consisting of: 27047 E Resectoscope Sheath 27047 EO Obturator and Connecting Tube for Inflow Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 609.00	€ 609.00	PKR 97,440.00	PKR 97,440.00
→ Working Element							
3	27145E	Working Element, motion by means of a spring. The thumb support is movable. In rest position the electrode is inside the sheath. Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 1,314.00	€ 1,314.00	PKR 210,240.00	PKR 210,240.00





QUOTATION

Medical Superintendent,
PMC Hospital,
Nawabshah-Shaheed Benazirabad

Financial Quotation	
Number	10410371
Date	14-Mar-18

TENDER FOR PURCHASE OF MACHINERY/EQUIPMENT AND INSTRUMENT TO BE INSTALLED AT PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH-SHAHEED BENAZIRABAD

TENDER REFERENCE NO. PMCH-5853/55 DATED : 07-03-2018

TENDER SUBMISSION DATE & TIME : 26-MARCH-2018 AT 12 : 00 NOON

TENDER OPENING DATE & TIME : 26-MARCH-2018 AT 12 : 30 P.M.

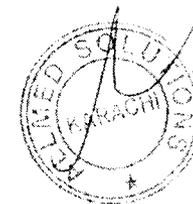
S No.	Model No.	Description	Qty	TOTAL C.I.F. (Euro)		TOTAL D.D.P. (Pak Rs)	
				Unit Price	Total Price	Unit Price	Total Price

ITEM NO.12	
TECHNICAL SPECIFICATIONS	
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS	
LAPAROSCOPE COMPLETE SET	QTY 01

FULL HD LAPAROSCOPY SYSTEM WITH MEDICAL UNITS

1	26003AA	→ Full HD Telescope Diameter 10mm, Length 330mm, ViewAngle 0 HOPKINS® Straight Forward Telescope 0°, enlarged view, diameter 10 mm, length 31 cm, autoclavable, fiber optic light transmission incorporated, color code: green Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Switzerland	1	€	4,834.00	€	4,834.00	PKR	821,780.00	PKR	821,780.00
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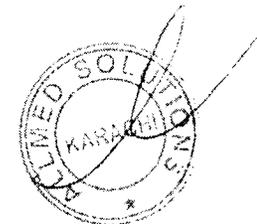
QUOTATION

ALLMED SOLUTIONS
 KARACHI
 P.O. BOX 11111
 KARACHI-75000
 TEL: 37321111
 FAX: 37321111
 WWW.ALLMED.COM

S No.	Model No.	Description	Qty	TOTAL C.I.F. (Euro)		TOTAL D.D.P. (Pak Rs)	
				Unit Price	Total Price	Unit Price	Total Price
2	TC200EN	<p>→ Full HD CMOS Camera System with latest sensor technology</p> <p>IMAGE1 S CONNECT, connect module, for use with up to 3 link modules, resolution 1920 x 1080 pixels, with integrated KARL STORZ-SCB and digital Image Processing Module, power supply 100 - 120 VAC/200 - 240 VAC, 50/60 Hz</p> <p>Features :</p> <ul style="list-style-type: none"> ● Camera control unit PAL system ● resolution 1920 x 1080 pixels progressive scan ● Inegrated image processng module ● power supply 100 - 120 VAC/200 - 240 VAC, 50/60 Hz <p>Special Features :</p> <ul style="list-style-type: none"> ● Automatic white balance ● Powerful video signal processing ● Image enhancement mode ● Picture in picture mode control via camera head button ● Control of peripheral i.e. Light source, recording system parameter via camera head button ● Still image capturing in Full HD quality (JPEG) format via camera head buttons. ● Video capturing in Full HD quality (MPEG 4) format via camera head buttons. ● Grid & pointer mode for teaching and training purpose. ● 20 individual presets ● 20 Patient data back up ● Have compatibility with future upgrade like flexible scopes, 3D, 4K or better ● Max. Resolution 1920 x 1080 pixels, progressive scans <p>Video Outputs :</p> <ul style="list-style-type: none"> ● Composite signal to BNC socket ● S-Video signal to 4-pin mini DIN Socket (2X) ● RGB signal to D-Sub socket ● DV Signal to DV socket (Only with DV Module) ● SDI Signal to BNC Socket (Only with SDI Module 2x) ● HDTV Signal to DVI-D Socket 	1	€ 9,933.00	€ 9,933.00	PKR 1,589,280.00	PKR 1,589,280.00

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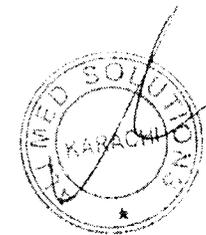
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QUOTATION

S No.	Model No.	Description	Qty	TOTAL C.I.F. (Euro)		TOTAL D.D.P. (Pak Rs)	
				Unit Price	Total Price	Unit Price	Total Price
		Including: 400 A Mains Cord, length 300 cm 20040089 DVI-D Connecting Cable, length 300 cm 20090170 SCB Connecting Cable, length 100 cm 20040282 USB Flash Drive, 32 GB 20040240US USB Silicone Keyboard, with touchpad, US Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : US					
2	TC300	IMAGE1 S H3-LINK, link module, for use with IMAGE1 FULL HD three-chip camera heads, power supply 100 - 120 VAC/200 - 240 VAC, 50/60 Hz Including: 400 A Mains Cord, length 300 cm TC 011 Link Cable, length 20 cm for use with IMAGE1 S CONNECT TC 200EN Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : US	1	€ 7,052.00	€ 7,052.00	PKR 1,128,320.00	PKR 1,128,320.00
3	TH100	→ Full HD CMOS Camera with zoom coupler IMAGE1 S H3-Z Three-Chip FULL HD Camera Head, S-technologies available, progressive scan, soakable, gas- and plasma-sterilizable, with integrated Parfocal Zoom Lens, focal length f = 15 - 31 mm (2x), 2 freely programmable camera head buttons, for use with IMAGE1 S and IMAGE1 HUB HD/IMAGE1 HD, S-Technologies only available for IMAGE1 S Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : US	1	€ 21,348.00	€ 21,348.00	PKR 3,415,680.00	PKR 3,415,680.00





QUOTATION

ALLMED SOLUTIONS
 KARACHI
 P.O. BOX 1111
 KARACHI-75200
 TEL: 37331111
 FAX: 37331111
 WWW.ALLMED.COM

S No.	Model No.	Description	Qty	TOTAL C.I.F. (Euro)		TOTAL D.D.P. (Pak Rs)	
				Unit Price	Total Price	Unit Price	Total Price
		→ 26" HD Flat Screen Monitor					
4	9826NB	26" FULL HD Monitor, color systems PAL/NTSC, max. screen resolution 1920 x 1080, image format 16:9, video inputs: DVI, 3G-SDI, VGA, S-Video, Composite, video outputs: DVI, 3G-SDI, Composite, power supply 100 - 240 VAC, 50/60 Hz, 5 V DC output (1 A), wall-mounted with VESA 100 adaption, Including: External 24 VDC Power Supply Mains Cord Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Indonesia	1	€ 8,537.00	€ 8,537.00	PKR 1,365,920.00	PKR 1,365,920.00
		→ Monitor Stand For LCD HD Monitor					
5	UG500	Monitor Holder, height adjustable, swiveling and tilting, central mount, swivel range approx. 360°, loading capacity max. 18 kg, with monitor mount VESA 75/100, for use with Equipment Carts UGxxx Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 632.00	€ 632.00	PKR 101,120.00	PKR 101,120.00
		→ LED Light Source					
6	20161201	LED Nova 150, High-Performance LED Cold Light Fountain with one KARL STORZ light outlet, power supply 100 - 240 VAC, 50/60 Hz Including: 400A Mains cord Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 1,765.00	€ 1,765.00	PKR 282,400.00	PKR 282,400.00

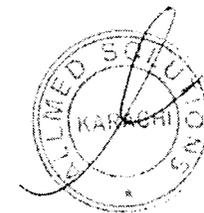




QUOTATION

ALLMED SOLUTIONS
KARACHI
P.O. BOX 1111
DUBLIN ROAD
KARACHI
TEL: 37322222
FAX: 37322222
WWW.ALLMED.COM

S No.	Model No.	Description	Qty	TOTAL C.I.F. (Euro)		TOTAL D.D.P. (Pak Rs)		
				Unit Price	Total Price	Unit Price	Total Price	
<u>ELECTRONIC CO2 INSUFFLATOR</u>								
→ 40 Liter								
7	UI40051	ENDOFLATOR® 40 SCB, Set with integrated SCB module, power supply 100 - 240 VAC, 50/60 Hz Consisting of: UI400 ENDOFLATOR® 40 SCB 20090170 SCB Connecting Cable, length 100 cm 20400030 Universal Wrench 031200-03 Insufflation Tubing Set, with gas filter, sterile, for single use, package of 5 30103 HP HiCap® Trocar, size 11 mm Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Switzerland	1	€	11,099.00 €	11,099.00 PKR	1,775,840.00 PKR	1,775,840.00
8	_____	High Pressure Hose (Locally Supply)	1	€	115.00 €	115.00 PKR	18,400.00 PKR	18,400.00
→ Full HD Fiber Optic Light Cable size 4.8mm, Length 250cm								
9	495NCS	Fiber Optic Light Cable, with straight connector, extremely heat-resistant, enhanced light transmission, diameter 4.8 mm, length 250 cm Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€	717.00 €	717.00 PKR	114,720.00 PKR	114,720.00





QUOTATION

ALLMED SOLUTIONS
 100, Street No. 10, Phase 1, DHA, Karachi
 Tel: 37321111, 37321112, 37321113
 Fax: 37321114
 Email: info@allmed.com.pk
 www.allmed.com.pk

S No.	Model No.	Description	Qty	TOTAL C.I.F. (Euro)			TOTAL D.D.P. (Pak Rs)		
				Unit Price	Total Price		Unit Price	Total Price	
8	8401YH	Holder for C-MAC®, consisting of two parts: 1 holder for five C-MAC® video laryngoscope blades and 1 holder for one electronic module, made of thermoplastic material, wipe disinfection, to be fixed to a tray Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 263.00	€ 263.00	PKR 42,080.00	PKR 42,080.00	PKR 42,080.00	
9	8403YE	Bag for Intubation Set -C22 , ULM model, made of water-resistant and sturdy material, washable, separate compartments for C-MAC® video laryngoscopes with C-MAC® pocket monitor and for conventional laryngoscopes, for use with C-MAC® Pocket Monitor 8401 XDK/8403 XDK, C-MAC® Video Laryngoscopes 8401 xxx/8403 xxx and conventional laryngoscopes Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 500.00	€ 500.00	PKR 80,000.00	PKR 80,000.00	PKR 80,000.00	

TOTAL D.D.P. (Pak Rupees)
 PAK RUPEES THREE MILLION EIGHT HUNDRED TWENTY ONE THOUSAND & SIX HUNDRED ONLY
 TOTAL C.I.F. (Euro)
 EURO TWENTY THREE THOUSAND EIGHT HUNDRED & EIGHTY FIVE ONLY

PKR 3,821,600.00
 € 23,885.00

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[Circular stamp: ALLMED SOLUTIONS KARACHI, PAKISTAN]



QUOTATION

ALLMED SOLUTIONS
 KARACHI
 P.O. BOX 1111
 KARACHI-75000
 TEL: 37333333
 FAX: 37333333
 WWW.ALLMED.COM

S No.	Model No.	Description	Qty	TOTAL C.I.F. (Euro)		TOTAL D.D.P. (Pak Rs)										
				Unit Price	Total Price	Unit Price	Total Price									
<table border="1" style="width: 100%;"> <tr> <td colspan="2" style="text-align: center;">ITEM NO.43</td> </tr> <tr> <td colspan="2" style="text-align: center;">TECHNICAL SPECIFICATIONS</td> </tr> <tr> <td colspan="2" style="text-align: center;">RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS</td> </tr> <tr> <td style="text-align: center;">LARYNGOSCOPE</td> <td style="text-align: center;">QTY 01</td> </tr> </table>				ITEM NO.43		TECHNICAL SPECIFICATIONS		RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS		LARYNGOSCOPE	QTY 01					
ITEM NO.43																
TECHNICAL SPECIFICATIONS																
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS																
LARYNGOSCOPE	QTY 01															
1	8549LDX	<p>KARL STORZ LARYNGOSCOPE Battery Insert Set LED, length 12 cm, with high-power LED, > 56 lm / >100 klx, burning time at 100% brightness > 120 min, for use with Handle Sleeve 8546 and cold light laryngoscopes Consisting of: 8549 LD Battery Insert, high power LED 121306 KS Battery, Mignon-Cell, LR 06, 1.5 V 8938292 Cap Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany</p>	1	€ 394.00	€ 394.00	PKR 63,040.00	PKR 63,040.00									
2	8541A	<p>MACINTOSH Laryngoscope Blade size 4 cold light, fiber optic light carrier incorporated use with: Cold light laryngoscope handle sleeve with battery insert Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany</p>	1	€ 228.00	€ 228.00	PKR 36,480.00	PKR 36,480.00									
3	8541B	<p>MACINTOSH Laryngoscope Blade size 3 cold light, fiber optic light carrier incorporated use with: Cold light laryngoscope handle sleeve with battery insert Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany</p>	1	€ 198.00	€ 198.00	PKR 31,680.00	PKR 31,680.00									
4	8541C	<p>MACINTOSH Laryngoscope Blade size 2 cold light, fiber optic light carrier incorporated use with: Cold light laryngoscope handle sleeve with battery insert Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany</p>	1	€ 198.00	€ 198.00	PKR 31,680.00	PKR 31,680.00									

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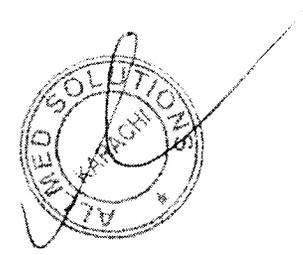
INNOVATION

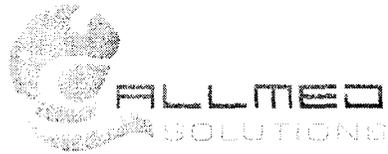
ALLMED SOLUTIONS
 100/101, Block 10, Phase 1, F-7/3, Islamabad
 Tel: +92-343-9999999
 Fax: +92-343-9999999
 Email: info@allmed.com.pk

S No.	Model No.	Description	Qty	TOTAL C.I.F. (Euro)			TOTAL D.D.P. (Pak Rs)		
				Unit Price	Total Price		Unit Price	Total Price	
5	8541D	MACINTOSH Laryngoscope Blade size 1 cold light, fiber optic light carrier incorporated use with: Cold light laryngoscope handle sleeve with battery insert Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 198.00	€ 198.00	PKR 31,680.00	PKR 31,680.00		
6	8541E	MACINTOSH Laryngoscope Blade size 0 cold light, fiber optic light carrier incorporated use with: Cold light laryngoscope handle sleeve with battery insert Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 198.00	€ 198.00	PKR 31,680.00	PKR 31,680.00		
7	8546	Handle Sleeve, with green silicone coating, ISO 7376, autoclavable, standard P-Grip handle, for use with inductive Charging Unit 8546 LE1, Battery Insert Xenon 8546 A, Battery Insert LED 8546 LD1, rechargeable, Battery Insert Set LED 8549 LD and cold light laryngoscopes Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 79.00	€ 79.00	PKR 12,640.00	PKR 12,640.00		
TOTAL D.D.P. (Pak Rupees)							PKR	238,880.00	
PAK RUPEES TWO HUNDRED THIRTY EIGHT THOUSAND EIGHT HUNDRED & EIGHTY ONLY									
TOTAL C.I.F. (Euro)							€	1,493.00	
EURO ONE THOUSAND FOUR HUNDRED & NINETY THREE ONLY									

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01/01/2017

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S No.	Model No.	Description	Qty	TOTAL C.I.F. (Euro)		TOTAL D.D.P. (Pak Rs)	
				Unit Price	Total Price	Unit Price	Total Price

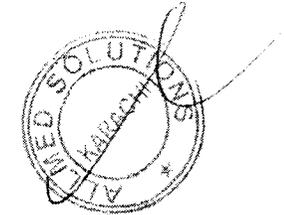
ITEM NO.49	
TECHNICAL SPECIFICATIONS	
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS	
ENDOSCOPIC UNIT FOR UPPER & LOWER GI	QTY 01

KARL STORZ ENDOSCOPIC UNIT FOR UPPER & LOWER GI

1	13821PKSK	Gastroscope, SILVER SCOPE® series, color system PAL, sheath outer diameter 9.3 mm, working channel diameter 2.8 mm, working length 1100 mm, deflection up/down 210°/100°, deflection left/right 120°/120°, field of view 140°, depth of field 2 - 100 mm	1	€	23,752.00	€	23,752.00	PKR	3,800,320.00	PKR	3,800,320.00
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- Consisting of:**
- 13821 PKS Gastroscope
 - 1x Irrigation Tube
 - 1x Y-Irrigation Tube
 - 1x Pressure Compensation Cap, ETO cap
 - 1x Leakage Tester
 - 1x Sealing Cap, for working channel, package of 10
 - 1x Cleaning Valve
 - 1x Suction Valve
 - 1x Air/Water Valve
 - 1x Valve Brush
 - 1x Bite Protector
 - 1x Biopsy Forceps
 - 3x Cleaning Brushes, diameter 5 mm
 - 1x Protective Film
 - 1x Case

Manufacturer / Supplier : Karl Storz SE & CO KG
Country Of Origin : Estonia





QUOTATION

ALLMED SOLUTIONS
 KARACHI
 PAKISTAN

S No.	Model No.	Description	Qty	TOTAL C.I.F. (Euro)		TOTAL D.D.P. (Pak Rs)	
				Unit Price	Total Price	Unit Price	Total Price
3	13924PKSK	Standard Colonoscope, SILVER SCOPE® series, color system PAL, sheath outer diameter 12.9 mm, working channel diameter 3.8 mm, working length 1400 mm, deflection up/down 180°/180°, deflection left/right 160°/160°, angle of view 160°, depth of field 2 - 100 mm Consisting of: 13924 PKS Standard Colonoscope 1x Irrigation Tube, reusable 1x Y-Irrigation Tube, reusable 1x Pressure Compensation Cap, ETO cap 1x Leakage Tester 1x Sealing Cap, for working channel, package of 10 1x Cleaning Valve, reusable 1x Suction Valve, reusable 1x Air/Water Valve 1x Valve Brush, for video endoscopes 1x Biopsy Forceps, sterile, for single use 3x Cleaning Brush, diameter 5 mm, unsterile, for single use 1x Protective Film 1x Case 2x Keys for case Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 23,752.00	€ 23,752.00	PKR 3,800,320.00	PKR 3,800,320.00

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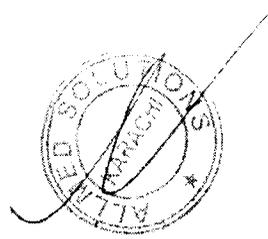
QUOTATION

ALLMED SOLUTIONS
 100, 10th Floor, Block B, The Gateway, D-Block, G-Block, H-Block, I-Block, J-Block, K-Block, L-Block, M-Block, N-Block, O-Block, P-Block, Q-Block, R-Block, S-Block, T-Block, U-Block, V-Block, W-Block, X-Block, Y-Block, Z-Block, AA-Block, AB-Block, AC-Block, AD-Block, AE-Block, AF-Block, AG-Block, AH-Block, AI-Block, AJ-Block, AK-Block, AL-Block, AM-Block, AN-Block, AO-Block, AP-Block, AQ-Block, AR-Block, AS-Block, AT-Block, AU-Block, AV-Block, AW-Block, AX-Block, AY-Block, AZ-Block, BA-Block, BB-Block, BC-Block, BD-Block, BE-Block, BF-Block, BG-Block, BH-Block, BI-Block, BJ-Block, BK-Block, BL-Block, BM-Block, BN-Block, BO-Block, BP-Block, BQ-Block, BR-Block, BS-Block, BT-Block, BU-Block, BV-Block, BW-Block, BX-Block, BY-Block, BZ-Block, CA-Block, CB-Block, CC-Block, CD-Block, CE-Block, CF-Block, CG-Block, CH-Block, CI-Block, CJ-Block, CK-Block, CL-Block, CM-Block, CN-Block, CO-Block, CP-Block, CQ-Block, CR-Block, CS-Block, CT-Block, CU-Block, CV-Block, CW-Block, CX-Block, CY-Block, CZ-Block, DA-Block, DB-Block, DC-Block, DD-Block, DE-Block, DF-Block, DG-Block, DH-Block, DI-Block, DJ-Block, DK-Block, DL-Block, DM-Block, DN-Block, DO-Block, DP-Block, DQ-Block, DR-Block, DS-Block, DT-Block, DU-Block, DV-Block, DW-Block, DX-Block, DY-Block, DZ-Block, EA-Block, EB-Block, EC-Block, ED-Block, EE-Block, EF-Block, EG-Block, EH-Block, EI-Block, EJ-Block, EK-Block, EL-Block, EM-Block, EN-Block, EO-Block, EP-Block, EQ-Block, ER-Block, ES-Block, ET-Block, EU-Block, EV-Block, EW-Block, EX-Block, EY-Block, EZ-Block, FA-Block, FB-Block, FC-Block, FD-Block, FE-Block, FF-Block, FG-Block, FH-Block, FI-Block, FJ-Block, FK-Block, FL-Block, FM-Block, FN-Block, FO-Block, FP-Block, FQ-Block, FR-Block, FS-Block, FT-Block, FU-Block, FV-Block, FW-Block, FX-Block, FY-Block, FZ-Block, GA-Block, GB-Block, GC-Block, GD-Block, GE-Block, GF-Block, GG-Block, GH-Block, GI-Block, GJ-Block, GK-Block, GL-Block, GM-Block, GN-Block, GO-Block, GP-Block, GQ-Block, GR-Block, GS-Block, GT-Block, GU-Block, GV-Block, GW-Block, GX-Block, GY-Block, GZ-Block, HA-Block, HB-Block, HC-Block, HD-Block, HE-Block, HF-Block, HG-Block, HH-Block, HI-Block, HJ-Block, HK-Block, HL-Block, HM-Block, HN-Block, HO-Block, HP-Block, HQ-Block, HR-Block, HS-Block, HT-Block, HU-Block, HV-Block, HW-Block, HX-Block, HY-Block, HZ-Block, IA-Block, IB-Block, IC-Block, ID-Block, IE-Block, IF-Block, IG-Block, IH-Block, II-Block, IJ-Block, IK-Block, IL-Block, IM-Block, IN-Block, IO-Block, IP-Block, IQ-Block, IR-Block, IS-Block, IT-Block, IU-Block, IV-Block, IW-Block, IX-Block, IY-Block, IZ-Block, JA-Block, JB-Block, JC-Block, JD-Block, JE-Block, JF-Block, JG-Block, JH-Block, JI-Block, JJ-Block, JK-Block, JL-Block, JM-Block, JN-Block, JO-Block, JP-Block, JQ-Block, JR-Block, JS-Block, JT-Block, JU-Block, JV-Block, JW-Block, JX-Block, JY-Block, JZ-Block, KA-Block, KB-Block, KC-Block, KD-Block, KE-Block, KF-Block, KG-Block, KH-Block, KI-Block, KJ-Block, KK-Block, KL-Block, KM-Block, KN-Block, KO-Block, KP-Block, KQ-Block, 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OO-Block, OP-Block, OQ-Block, OR-Block, OS-Block, OT-Block, OU-Block, OV-Block, OW-Block, OX-Block, OY-Block, OZ-Block, PA-Block, PB-Block, PC-Block, PD-Block, PE-Block, PF-Block, PG-Block, PH-Block, PI-Block, PJ-Block, PK-Block, PL-Block, PM-Block, PN-Block, PO-Block, PP-Block, PQ-Block, PR-Block, PS-Block, PT-Block, PU-Block, PV-Block, PW-Block, PX-Block, PY-Block, PZ-Block, QA-Block, QB-Block, QC-Block, QD-Block, QE-Block, QF-Block, QG-Block, QH-Block, QI-Block, QJ-Block, QK-Block, QL-Block, QM-Block, QN-Block, QO-Block, QP-Block, QQ-Block, QR-Block, QS-Block, QT-Block, QU-Block, QV-Block, QW-Block, QX-Block, QY-Block, QZ-Block, RA-Block, RB-Block, RC-Block, RD-Block, RE-Block, RF-Block, RG-Block, RH-Block, RI-Block, RJ-Block, RK-Block, RL-Block, RM-Block, RN-Block, RO-Block, RP-Block, RQ-Block, RR-Block, RS-Block, RT-Block, RU-Block, RV-Block, RW-Block, RX-Block, RY-Block, RZ-Block, SA-Block, SB-Block, SC-Block, SD-Block, SE-Block, SF-Block, SG-Block, SH-Block, SI-Block, SJ-Block, SK-Block, SL-Block, SM-Block, SN-Block, SO-Block, SP-Block, SQ-Block, SR-Block, SS-Block, ST-Block, SU-Block, SV-Block, SW-Block, SX-Block, SY-Block, SZ-Block, TA-Block, TB-Block, TC-Block, TD-Block, TE-Block, TF-Block, TG-Block, TH-Block, TI-Block, TJ-Block, TK-Block, TL-Block, TM-Block, TN-Block, TO-Block, TP-Block, TQ-Block, TR-Block, TS-Block, TT-Block, TU-Block, TV-Block, TW-Block, TX-Block, TY-Block, TZ-Block, UA-Block, UB-Block, UC-Block, UD-Block, UE-Block, UF-Block, UG-Block, UH-Block, UI-Block, UJ-Block, UK-Block, UL-Block, UM-Block, UN-Block, UO-Block, UP-Block, UQ-Block, UR-Block, US-Block, UT-Block, UU-Block, UV-Block, UW-Block, UX-Block, UY-Block, UZ-Block, VA-Block, VB-Block, VC-Block, VD-Block, VE-Block, VF-Block, VG-Block, VH-Block, VI-Block, VJ-Block, VK-Block, VL-Block, VM-Block, VN-Block, VO-Block, VP-Block, VQ-Block, VR-Block, VS-Block, VT-Block, VU-Block, VV-Block, VW-Block, VX-Block, VY-Block, VZ-Block, WA-Block, WB-Block, WC-Block, WD-Block, WE-Block, WF-Block, WG-Block, WH-Block, WI-Block, WJ-Block, WK-Block, WL-Block, WM-Block, WN-Block, WO-Block, WP-Block, WQ-Block, WR-Block, WS-Block, WT-Block, WU-Block, WV-Block, WW-Block, WX-Block, WY-Block, WZ-Block, XA-Block, XB-Block, XC-Block, XD-Block, XE-Block, XF-Block, XG-Block, XH-Block, XI-Block, XJ-Block, XK-Block, XL-Block, XM-Block, XN-Block, XO-Block, XP-Block, XQ-Block, XR-Block, XS-Block, XT-Block, XU-Block, XV-Block, XW-Block, XX-Block, XY-Block, XZ-Block, YA-Block, YB-Block, YC-Block, YD-Block, YE-Block, YF-Block, YG-Block, YH-Block, YI-Block, YJ-Block, YK-Block, YL-Block, YM-Block, YN-Block, YO-Block, YP-Block, YQ-Block, YR-Block, YS-Block, YT-Block, YU-Block, YV-Block, YW-Block, YX-Block, YY-Block, YZ-Block, ZA-Block, ZB-Block, ZC-Block, ZD-Block, ZE-Block, ZF-Block, ZG-Block, ZH-Block, ZI-Block, ZJ-Block, ZK-Block, ZL-Block, ZM-Block, ZN-Block, ZO-Block, ZP-Block, ZQ-Block, ZR-Block, ZS-Block, ZT-Block, ZU-Block, ZV-Block, ZW-Block, ZX-Block, ZY-Block, ZZ-Block

S No.	Model No.	Description	Qty	TOTAL C.I.F. (Euro)		TOTAL D.D.P. (Pak Rs)	
				Unit Price	Total Price	Unit Price	Total Price
4	TL10C	Cold Light Fountain CO2mbi LED SCB, with high-performance LED, integrated KARL STORZ-SCB and integrated insufflation pump for air and CO2 insufflation, for use with KARL STORZ video endoscopes, power supply 100 - 240 VAC, 50/60 Hz, Consisting of: TL 100 Cold Light Fountain CO2mbi LED SCB TL 001 Irrigation Bottle Holder TL 002 Holding Ring, for water bottles 13992 BS Water Bottle 13991 SW Irrigation Adaptor, for water bottle 20090170 SCB Connecting Cable 20400030 Universal Wrench Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 11,117.00	€ 11,117.00	PKR 1,778,720.00	PKR 1,778,720.00
5	TC200EN	IMAGE1 S CONNECT, connect module, for use with up to 3 link modules, resolution 1920 x 1080 pixels, with integrated KARL STORZ-SCB and digital Image Processing Module, power supply 100 - 120 VAC/200 - 240 VAC, 50/60 Hz Including: 400 A Mains Cord, length 300 cm 20040089 DVI-D Connecting Cable, length 300 cm 20090170 SCB Connecting Cable, length 100 cm 20040282 USB Flash Drive, 32 GB 20040240US USB Silicone Keyboard, with touchpad, US Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : US	1	€ 9,933.00	€ 9,933.00	PKR 1,589,280.00	PKR 1,589,280.00

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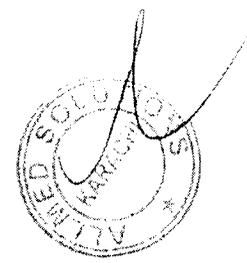
QUOTATION

ALLMED SOLUTIONS
 100, Street No. 10, Phase 1, DHA, Karachi
 Pakistan
 Tel: +92 21 358 1234
 Fax: +92 21 358 1234
 Email: info@allmed.com

S No.	Model No.	Description	Qty	TOTAL C.I.F. (Euro)		TOTAL D.D.P. (Pak Rs)	
				Unit Price	Total Price	Unit Price	Total Price
6	TC301	IMAGE1 S X-LINK, link module, for use with flexible video endoscopes and one-chip camera heads (up to FULL HD), power supply 100 - 120 VAC/200 - 240 VAC, 50/60 Hz. Including: 400 A Mains Cord, length 300 cm TC 011 Link Cable, length 20 cm for use with IMAGE1 S CONNECT TC 200EN Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : US	1	€ 6,867.00	€ 6,867.00	PKR 1,098,720.00	PKR 1,098,720.00
7	TC001	IMAGE1 S Video Endoscope Adaptor, color systems PAL/NTSC, length 60 cm, for use with IMAGE1 S X-LINK TC 301 Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : US	1	€ 1,671.00	€ 1,671.00	PKR 267,360.00	PKR 267,360.00
8	13242LX	Leakage Tester with bulb and manometer Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany	1	€ 137.00	€ 137.00	PKR 21,920.00	PKR 21,920.00
9	25320001	UNIMAT®, Suction Pump Set, power supply 230 VAC, 50/60 Hz Consisting of: 25320020 UNIMAT® 25320080 Bacterial Filter 25320081 Secretion Bottle 25320082 Bottle Cap 25320083 Connecting Tube, short 25320084 Patient Tube 25320085 Overflow Case 400 A Mains Cord, length 300 cm Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Switzerland	1	€ 3,348.00	€ 3,348.00	PKR 535,680.00	PKR 535,680.00

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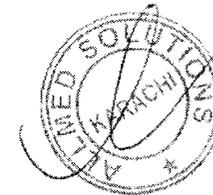




QUOTATION

ALLMED SOLUTIONS
 10, 11th Floor, Karim Road, F-7/1, Islamabad
 Tel: +92 31 3413445
 Email: info@allmed.com.pk
 Web: www.allmed.com.pk

S No.	Model No.	Description	Qty	TOTAL C.I.F. (Euro)			TOTAL D.D.P. (Pak Rs)		
				Unit Price	Total Price		Unit Price	Total Price	
10		24" HD LCD Medical Grade Color Monitor (Locally Supply)	1	€	5,676.00 €	5,676.00 PKR	908,160.00	PKR	908,160.00
11	UG220	<p>Equipment Cart, wide, tall, rides on 4 antistatic dual wheels equipped with locking brakes, mains switch on cover, central beam with integrated electrical subdistributors with 12 sockets, grounding plugs, Dimensions in mm (w x h x d): Equipment cart: 830 x 1474 x 730, Shelf: 630 x 25 x 510, Caster diameter: 150 mm Consisting of: UG 011 Base Module, equipment cart, wide UG 021 Cover, equipment cart, wide UG 051 Beam Package, equipment cart, tall UG 604 Shelf, wide 2x UG 602 Drawer Unit with lock, wide 2x UG 608 Equipment Rail, long UG 612 Camera Holder 2x UG 700 Mains Cord, length 100 cm Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany</p>	1	€	4,738.00 €	4,738.00 PKR	758,080.00	PKR	758,080.00
12	UG500	<p>Monitor Holder, height adjustable, swiveling and tilting, central mount, swivel range approx. 360°, loading capacity max. 18 kg, with monitor mount VESA 75/100, for use with Equipment Carts UGxxx Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany</p>	1	€	632.00 €	632.00 PKR	101,120.00	PKR	101,120.00
13	13991DET	<p>Video Endoscope Holder, for mounting on 2 Standard Equipment Rails, Consisting of: Double Video Endoscope Holder 2 Drip Containers, each equipped with clamp for fixation to the holding rod Manufacturer / Supplier : Karl Storz SE & CO KG Country Of Origin : Germany</p>	1	€	722.00 €	722.00 PKR	68,940.00	PKR	68,940.00



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<http://www.endo-kare.com>

14-A, Albak Block, New Garden Town, Lahore
Ph: 042-35941751-5 Fax : 042-35941755
E-mail : ahaharyar92@hotmail.com

Date.26-03-2018

Ref .EK-Ref/ 032/03/2018

To,

THE MEDICAL SUPERINTENDENT,
PEOPLES MEDICAL COLLEGE HOSPITAL NAWABSHAH,
SHAHEED BENAZIRABAD.

**SUB: TENDER FOR PURCHASE OF MACHINERY/EQUIPMENT AND
INSTRUMENT TO BE INSTALLED AT PEOPLES MEDICAL
COLLEGE HOSPITAL NAWABSHAH-I- SHAHEED
BENAZIRABAD DUE ON: 26.03.18**

Dear Sir,

We are pleased to submit our **Quotation No. EK/RQ/018/03-18 Dated.26-03-2018**, for the above-mentioned subject along with the following documents.

We shall abide by all the terms & condition mentioned in the tender enquiry.

1. Original Tender Purchase Receipt
2. Original Tender Documents
3. Technical Quotation
4. Financial Quotation
5. Copy of Income Tax Registration Certificate
6. Copy of last three years paid income tax challan
7. Copy of Sales Tax Registration Certificate
8. Professional Tax certificate
9. Certificates regarding of Production for conformity with International standards
10. Copy of Agency Agreement
11. Bank certificate showing financial capability
12. Bank certificate of account maintenance
13. Bank statement of last Three year
14. Balance sheet audited for the last Three year
15. Company Profile
16. Affidavit


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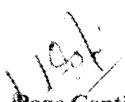
14-A, Aibak Block, New Garden Town, Lahore
Ph: 042-35941751-5 Fax : 042-35941755
E-mail : shaheryar92@hotmail.com

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17. Letter of Verification
18. Manufacture Company Profile (Olympus)
19. Manufacture authorization Form
20. Brochure of coated item
21. Permanence Certificate (End User)
22. Installation Certificate
23. Copy of Bill of Entry
24. Major & minor parts inventory list
25. Engineering Certificate
26. Picture of our Bio Medical Lab
27. Calibration & Repair testing Equipment, Tools, Instrument List
28. End User Name, Hospitals
29. FDA Certificate
30. CE Certificate
31. Earnest Money **Rs.725,000** /= Vide P/o No.5552629 Dated. 24.03.18

Thanks & Regards.


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Page Continue 2/2

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Ph: 042-35941751-5 Fax : 042-35941755
E-mail : shaheryar92@hotmail.com

QUOTATION / ESTIMATE NO.EK/QU/018/03/2018
Suppliers/Engineer

Date: 26-03-2018

Customer

To,

The Medical Superintendent,

Peoples Medical College Hospital Nawabshah,

SHAHEED BENAZIRABAD

TENDER FOR PURCHASE OF MACHINERY/EQUIPMENT AND INSTRUMENT TO BE
INSTALLED AT PEOPLES MEDICAL COLLEGE HOSPITAL NAWABSHAH-I-
SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NO	DESCRIPTION	Qty	Unit Price	Total Price
	OLYMPUS PRODUCT		CIF SGD:	FOR Rs.
	ITEM NO: 12 LAPAROSCOPY COMPLETE SET	1 Set	113,666.00	10,230,000.00
A	FULL HD TELESCOPE DIAMETER 10MM, LENGTH 330, VIEW ANGLE 0 WA53000A High Definition Telescope 0° direction of view, 10mm, quick lock		One Lac Thirteen Thousand Sixty Six Hundred Only	One Caror Twenty Three Lac Only
B	HD VIDEO CAMERA AND CAMERA CONTROL UNIT WITH BUILT IN RECORDING SYSTEM (PAL SYSTEM) HD 3 CCD Camera System OTV-S190 High Definition VISERA ELITE Video System Center, With NBI Compatible SPECIFICATION Power Supply Voltage: 100-240V Frequency : 50/60 Hz Consumption Electr type HDTV signal output Either RGB (1080/501) or YPbPr (1080/501) output can be selected SDTV signal output VBS Composite, Y/C, YPbPr, and RGB: simultaneous output possible White Balance Adjust. White balance adjustment is possible using the white button Standard colour chart A color bar chart can be display Color tone Adjustment The following color tone adjustment are possible using the color tone level adjustment button and color tone selector button * Red adjus. 8 step * Blue ajust 8 step chroma ajust. 8 step Automatic gain control the image can be electrically amplified when the light is inadequate due to the distal end of the endoscope being too far from the obj The image contrast can be set to one of the following three mode Contrast * Normal image, (High) the dark area are darker and the bright area are brighter than in the normal image, Low: the dark areas are bright areas are darker than in the normal image The auto iris modes can be selected using the iris mode Iris *Auto: The brightness is adjust based on the brightness part of the central part of the average brightness of the periphery part Peak: The brightness is adjust. Based on the brightness part of the endoscopic image Average : The brightness is adjust. Based on the average brightness of the endoscopic image Image enhancement Fine patterns or edges in the endoscopic images can be setting enhanced electrically to increase the image sharpness Switching the enhancement The enhancement level can be selected from 3 level			

Validity: As Per T.E

Delivery: As Per T.E

Service Term: As Per Tender Enquiry

Delivery Terms: Free Delivery at the consignee's end

Page 1 of 16

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Karachi: H.No. 55-C, P.E.C.H.S., Block-2, Karachi. Tel : 92-21-34526671 Fax : 92-21-34526672
Rawalpindi/Islamabad: 31-Shallimar Plaza, Aziz Bhatti Road, Rawalpindi Cantt. Tel : 051-5510193 Fax : 051-5510192
Peshawar: 27-C, Khyber Medical Centre, Dabgari Garden, Peshawar. Tel : 091-2214100

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14-A, Albak Block, New Garden Town, Lahore
Ph: 042-35941751-5 Fax : 042-35941755
E-mail : shaheryar92@hotmail.com

QUOTATION / ESTIMATE NO.EK/QU/018/03/2018

Suppliers/Engineer

Date :26-03-2018

Customer

To,

The Medical Superintendent,
Peoples Medical College Hospital Nawabshah,
SHAHEED BENAZIRABAD

TENDER FOR PURCHASE OF MACHINERY/EQUIPMENT AND INSTRUMENT TO BE
INSTALLED AT PEOPLES MEDICAL COLLEGE HOSPITAL NAWABSHAH-I-
SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NO	DESCRIPTION	Qty	Unit Price	Total Price
	OLYMPUS PRODUCT		CHF SGD:	FOR Rs.
	CAMERA HEAD			
C	H-S190-XZ-E 3CCD High Definition Camera Head Camera Head Dimensions Eyepiece Type: 50 x 63 x 142mm WxDxH Quick lock type: 45 x 58 x 161mm Weight 350g Cable 6.8mm x 3mm Observation Pickup System 0.85cm / 0.33 inches solid state image pickup Magnification Ratio Focal distance f= 15.8 - 31.3mm Cleaning / Disinfection Immersible in disinfectant solution Sterilization Sterilization Autoclave / ETO ** Full HD 3CCD Camera System ** Enhanced Resolution and Control ** NBI (Narrow Band Imaging) Compatible ** Three Fully Programmable Remote Switches	1 No.		
D	OEV-262H HIGH DEFINATION LCD Monitor 26" Compatible High Definition 26" LCD Colour Monitor) Technical Data Screen Size 26.0 inches Resolution 1920 x 1200 dots (WUXGA) Viewing angle 178° . Horizontal & Vertical Frequency 100-120V/220-240V AC Aspect Ratio 16:10 Contrast Ratio 1000:01:00 Number of Colors 16.8 million Panel Full HD LCD Panel Color Tones Calibrated input, Multiple HD and 3D input. Image Picture in picture, Picture out Picture and 180 degree rotation Mirror INPUT HD/SD SDI(1) SDI(2) BNC Connector Video BNC Connector Y/C 4 - Pin mini DIN (HD/SD SDI (x2), Video, Y/C, Analog RGB+EXT Sync, HD15, DVI (x2)) OUTPUT HD/SD SDI(1) SDI(2) BNC Connector with active - Through output and auto 75 Ohms Terminations VIDEO BNC Connector with active - Through output and auto 75 Ohms Terminations Y/C BNC Connector with active - Through output and auto 75 Ohms Terminations REMOTE GPI Connector D-SUB 9 Pin RS-232C Connector D-SUB 9 Pin Picture-in-Picture: Picture-out-Picture	1 No		

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SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NO	DESCRIPTION	Qty	Unit Price	Total Price
OLYMPUS PRODUCT			CIF SGD:	FOR Rs.
E	LED LIGHT SOURCE CLL-VI <u>LED LIGHT SOURCE</u> Powerfull Illumination with advanced LED Technology * Higher brightness compared to conventional halogen light source * Constant light intensity over lifetime * No Bulb changes required at least 2,000 hours of operation	1 No.		
F	45 LITER LAPAROFLATOR LHH-4 CO2 insufflator with large digital display and auto smoke evacuation facility Flow rate 45 L/Min. Advanced functionality for enhanced performance and reliability in a demand surgical environment * High Speed Insufflation max Flow Rate 45L. * Automatic Smoke Evacuation * Adjustable Smoke Evacuation Specifications: Power Supply 100 - 240 VAC Frequency 50/60 Hz Abdominal Pressure Control 3 to 25 mmHg Flow Rate Setting 0.1 to 45 L/min Cavity Mode Normal/Small Gas Supply From Wall Pipeline Connectable	1 No.		
G	WA03300A Light Guide cable	1 No.		
H	WM-NP2 MOBILE WORKSTATION with cabling System Sliding Keyboard tray, LCD Monitor arm (Other details as per Literature attached)	1 No.		

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SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NO	DESCRIPTION	Qty	Unit Price	Total Price
	OLYMPUS PRODUCT		CIF SGD:	FOR Rs.
LAPAROSCOPIC HAND INSTRUMENTS				
A5822	Trocar Tube, 11mm, with stopcock	2 No.		
A5823	Trocar spike, triangular tip, 11 mm	2 No.		
A5809	Trocar tube 5.5mm, with stopcock	2 No.		
A5948	Trocar spike, triangular tip, 5.5 mm	2 No.		
O5151.1	Veress Needle 120mm	1 No.		
A5610	Reduction tube, 10-5 mm, insulated	1 No.		
A63010A	Rotating Atraumatic Grasping forceps, Tooth 5x330mm	1 No.		
A63120A	Rotating Johann Grasping forceps, Tooth 5x330mm	1 No.		
A63020A	Rotating Claw Grasping forceps, 5mm x 330 mm	1 No.		
A63320A	Rotating Curved Maryland Dissecting forceps, 5 x 330mm.	1 No.		
A63810A	Rotating Metzenbaum Scissor curved type 5x330mm HiQ	1 No.		
A6292	HF-Electrode hook type, 5 mm, With Suction Channel	1 No.		
	HF-Cable Monopolar	1 No.		
A5796	Handle for Suction / Irrigation tube	1 No.		
A5798	Suction / Irrigation Tube 5mm	1 No.		
A4055	Reusable Tubing set for suction/irrigation	1 No.		
A56790A	Clip applicator, 10 x 330 mm, for clips medium:large A5635	1 No.		
Make: OLYMPUS Country Of Origin: JAPAN/GERMANY/UK/TAIWAN Port Of Shipment : SINGAPORE				

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SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NO	DESCRIPTION	Qty	Unit Price	Total Price
	OLYMPUS PRODUCT		CHF SGD:	FOR Rs.
Item No. 14	PEADS CYSTOSCOPE WITH BRIDGE	1 Set	17,555.00	1,580,000.00
A3764	Telescopes 0° direction of view 1.9mm, Autoclavable	1 No	Seventeen	Fifteen Lac Eighty
A3765	Telescopes 30° direction of view 1.9mm, Autoclavable	1 No	Thousand Five	Thousand Only
WA03300A	Light Guide Cable	1 No	Hundred Fifty	
A37001A	Cystoscope Sheath 9.5Fr., 3 Fr. Channel,	1 No	Five Only	
A37002A	Cystoscope Sheath 10.8Fr., 5 Fr. Channel,	1 No		
A37018A	Grasping Forceps 3 Fr x 280mm, Flexible	1 No		
A37019A	Biopsy Forceps 3 Fr x 280mm, Flexible	1 No		
A37020A	HF Coagulating Electrode 3 Fr x 370mm	1 No		
A0335.1	HF Cable Monopolar 3.5mm	1 No		
	Make: OLYMPUS			
	Country Of Origin: GERMANY			
	Port Of Shipment : SINGAPORE			
Item No. 15	PEDIATRIC RESECTOSCOPE COMPLETE SET	1 Set	213,888.00	1,925,000.00
A3764	Telescopes 0° direction of view 1.9mm, Autoclavable	1 No	Two Lac Thirteen	Nineteen Lac Twenty
A37004A	Resectoscope Sheath 10Fr.	1 No	Thosand Eight	Five Thousand
A37014A	Working Element for resectoscope	1 No	Hundred Eighty	Only
37011A	Cutting loop	1 No	Eight Only	
A37007A	Bridge One-way, 3Fr.	1 No		
A00010A	HF Cable Monopolar 4mm	1 No		
	Make: OLYMPUS			
	Country Of Origin: GERMANY			
	Port Of Shipment : SINGAPORE			

Validity: As Per T.E

Delivery: As Per T.E

Service Term: As Per Tender Enquiry

Delivery Terms: Free Delivery at the consignee's end

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Karachi: H.No. 55-Q, P.E.C.H.S., Block-2, Karachi. Tel : 92-21-34526671 Fax : 92-21-34526672
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Peshawar: 27-C, Khyber Medical Centre, Dabgarl Garden, Peshawar. Tel : 991-2214100

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http://www.endo-kare.com

14-A, Albak Block, New Garden Town, Lahore
Ph: 042-35941751-5 Fax: 042-35941755
E-mail: shaharyar92@hotmail.com

QUOTATION / ESTIMATE NO.EK/QU/018/03/2018

Suppliers/Engineer

Date: 26-03-2018

Customer

To,

The Medical Superintendent,
Peoples Medical College Hospital Nawabshah,
SHAHEED BENAZIRABAD

TENDER FOR PURCHASE OF MACHINERY/EQUIPMENT AND INSTRUMENT TO BE
INSTALLED AT PEOPLES MEDICAL COLLEGE HOSPITAL NAWABSHAH-I-
SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NO	DESCRIPTION	Qty	Unit Price CIF SGD:	Total Price FOR Rs.
Item No.16				
OLYMPUS PRODUCT				
ADULT RESECTOSCOPE				
	Working Element Active	1 Set	11,777.00	1,060,000.00
WA22066A	Rotatable Continuous Flow Resectoscope Inner Sheath 26Fr.	1 No	Eleven Thousand	Ten Lac Sixty
A22040A	Outer Sheath 26Fr	1 No	Seven Hundre	Thousand Only
A22026A	Ellik Evacuator	1 No	Seventy Seven	
O3657	Cutting Loop	1 No	Only	
A22201A	HF Cable Monopolar	1 No		
A0393	Telescopes 30° direction of view 1.9mm, Autoclavable	1 No		
A22002A	Light Guide Cable	1 No		
WA03300A				
Make: OLYMPUS Country Of Origin: GERMANY Port Of Shipment : SINGAPORE				
Item No. 25				
THERAPEUTIC HYSTERSCOPE				
	Telescopes 30° direction of view 4mm, Autoclavable	1 Set	29,388.00	2,645,000.00
A22002A	Light guide cable	1 No	Twenty Nine	Twenty Six Lac
WA03300A	Hysterscope Continuous flow therapeutic 6.5mm sheath, 5Fr. channel	1 No	Thosand Three	Forty Five Thousand
A47610A	Obturator standard	1 No	Hundred Eighty	Only
.4767		1 No	Eight Only	
B	1.MD-2110MD			
	High Definition LCD Colour Monitor 21" (Sony)	1 No		
C	OTV-SC2			
	Video System With Camera	1 No		
	Acompact and well-balanced high-resolution video system with high compatibility.			
	Voltage 100 to 240v AC			
Power Supply	Frequency 50/60 Hz: within Hz			
	Dimensions 295x69x376mm:312x80x410mm at (WxHxD)			
	maximum			
Size	Weight 4.9kg			

Validity: As Per T.E

Delivery: As Per T.E

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Ph: 042-35941751-5 Fax : 042-35941755
E-mail : shaheryar92@hotmail.com

QUOTATION / ESTIMATE NO.EK/QU/018/03/2018
Suppliers/Engineer

Date :26-03-2018
Customer
To,
The Medical Superintendent,
Peoples Medical College Hospital Nawabshah,
SHAHEED BENAZIRABAD

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INSTALLED AT PEOPLES MEDICAL COLLEGE HOSPITAL NAWABSHAH-I-
SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NO	DESCRIPTION	Qty	Unit Price CIF SGD:	Total Price FOR Rs.
OLYMPUS PRODUCT				
	Classification (medical electrical equipment) Degree of Protection against electric shock of applied part TYPE BF applied part. Where no classification mark appears, the device is a TYPE BF applied part			
	Observation Analog signal output Digital output White Balance Adjustment White balance adjustable is possible using the white balance button the front panel			
	Standard color chart output When the camera head is disconnected, a color bar chart can be display Brightness adjustable Brightness can be adjustable two modes (HI or LO)			
D	CH-SC2-ID Camera Head Dimensions 30.7mmx55mm Weight 40g Cable 5.2mmx3m Pickup system Interline type CCD solid-state image pickups Sensitivity 4 (Lux), F1.4 Cleaning/Disinfection Immersible in disinfectant solution Sterilization Ethylene oxide gas sterilization possible Steam sterilization (autoclavable) impossible	1 No		
E	CLL-V1 LED Light Source Powerful Illumination with Advanced LED Technology * Higher brightness compared to conventional halogen light sources. * Constant light intensity over lifetime * Low maintenance costs; No bulb changes required for at least 2,000 hours of operation. Make: OLYMPUS Country of Origin: JAPAN / GERMANY Port Shipment: SINGAPORE	1 No		
F	Local Trolley Local Video Trolley with antistator and keyboard drawer	1 No		

Validity: As Per T.E.
Delivery: As Per T.E.
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S.NO	DESCRIPTION	Qty	Unit Price	Total Price
	OLYMPUS PRODUCT		CIF SGD:	FOR Rs.
	ITEM NO: 49	1 Set	164,722.00	14,825,000.00
	ENDOSCOPE UNIT FOR UPPER & LOWER G.I		One Lac Sixty Four Thousand Seven Hundred Twenty Two Only	One Caror Forty Eight Lac Twenty Five Thousand Only
	FULL HIGH DEFINATION UPPER AND LOWER AND SIGMOIDOSCOPE VIDEO ENDOSCOPY COMPLETE SYSTEM			
A	HIGH DEFINATION GASTROINTESTINAL VIDEO SCOPE			
	OPTERA HIGH DEFINITION GASTROINTESTINAL VIDEO SCOPE MODEL NO. GIF-HI70	1 No.		
	FEATURES: * Waterproof One-touch Connector * High Performance HDTV Compatible. * Close Focus Technology * Slim Design * (NBI System Facility Compatible). with standard set of accessories.			
	Field of view: 140° Direction of View: Forward Viewing Depth of field: 2 to 100 mm Outer diameter: 9.2 mm Working length: 1030mm Total Working length: 1350mm Angulation Range: Up 210°, Down 90° Right 100° Left 100° Inner Diameter: 2.8mm Minimum visible distance: 3.0mm High - Frequency Cauterization Treatment Available			

Validity: As Per T.E

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S.No	DESCRIPTION	Qty	Unit Price	Total Price
	OLYMPUS PRODUCT		CIF SGD:	FOR Rs.
B	HIGH DEFINATION COLONO VIDEOSCOPE			
	<p>OPTERA HIGH DEFINITION COLONO VIDEO SCOPE MODEL NO. CF-H170L</p> <p>* Waterproof One-touch Connector, High Performance HDTV Compatible, * Close Focs. * Water Jet, NBI System Facility Compatible)</p> <p>* VARIABLE STIFFNESS with standard set of accessories.</p> <p>Field of view: 140° Direction of View Forward viewing Depth of field 2 - 100mm Outer diameter: 12.8 mm Working length: 1680mm Total Working length: 2005mm Angulation Range Up 180°, Down 180° Right 160° Left 160° Inner Diameter 3.7mm Minimum visible distance 5.0mm High - Frequency Cauterization Treatment Available</p>	1 No.		

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S.NO	DESCRIPTION	Qty	Unit Price	Total Price
	OLYMPUS PRODUCT		CIF SGD:	FOR Rs.
C	HIGH DEFINATION SIGMOIDOSCOPE VIDEOSCOPE			
	<p>OPTERA HIGH DEFINITION SIGMOIDOSCOPE VIDEO SCOPE MODEL NO. CF-HI70I</p> <p>* Waterproof One-touch Connector, High Performance HDTV Compatible, * Close Focus, * Water Jet, NBI System Facility Compatible) * VARIABLE STIFFNESS with standard set of accessories.</p> <p>Field of view: 140° Direction of View: Forward viewing Depth of field: 2 - 100mm Outer diameter: 12.8 mm Working length: 1330mm Total Working length: 1655mm Angulation Range: Up 180°, Down 180° Right 160° Left 160° Inner Diameter: 3.7mm Minimum visible distance: 5.0mm High - Frequency Cauterization Treatment Available</p>	1 No.		

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S.No	DESCRIPTION	Qty	Unit Price	Total Price
OLYMPUS PRODUCT			CIF SGD:	FOR Rs.
P	VIDEO SYSTEM CENTER			
CY-170	HIGH DEFINATION OPTERA VIDEO PROCESSOR SYSTEM Combination of HDTV and NBI is Now Available with an LED Light Source in one design	1 No.		
SPECIFICATIONS				
Power Supply Voltage	100-240 V AC			
Frequency	50 / 60 Hz.			
Rated input	200VA			
Accep. Ratio	16:9 and 16:10 Output			
Analog HDTV signal output	Either RGB (1080/60I NTSC)/(1080/50I PAL) or YPbPr (1080/60I NTSC)/(1080/50I PAL) output can be selected			
Analog SDTV signal output	VBS composite (480/60I NTSC)/(576/50I PAL), Y/C (480/60I NTSC)/(576/50I PAL), and RGB(480/60I NTSC)/(576/50I PAL); simultaneous outputs possible			
Digital signal output	HD-SDI (SMPTE 292M), SD-SDI (SMPTE 259M), DV (IEEE 1394), and DVI (WUXGA, 1080p or SXGA) can be selected.			
White balance adjustment	White balance adjustment is possible using the white balance button on the front panel.			
Standard color chart output	The "Color bar" or the "50% white" screen can be displayed			
Color tone adjustment	The following color tone adjustments are possible. • Red adjustment: ±8 steps • Blue adjustment: ±8 steps • Chroma adjustment: ±8 steps			
Automatic gain control (AGC)	The image can be electronically amplified when the light is inadequate due to the distal end of the endoscope being too far from the object The image contrast can be set to one of the following three modes: N(ILL)			
Contrast	• N (Normal): Normal image • H (High): The dark areas are darker and the bright areas are brighter than in the • L (Low) The dark area are brighter and bright area are darker than in the normal image.			
Noise reduction	Noise is corrected by image processing			
Iris	The auto iris modes can be selected using the "iris mode" switch on the front panel • Peak: The brightness is adjusted based on the brightest part of the endoscopic image. • Average: The brightness is adjusted based on the average brightness of the endoscopic image.			
Image enhancement setting	Fine patterns or edges in the endoscopic images can be enhanced electrically to increase the image sharpness. Either the structural enhancement or edge enhancement can be selected according to the user setup. • Structural enhancement: Enhancement of contrast of the fine patterns in the image. • Edge enhancement: Enhancement of edges of the endoscopic image.			

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QUOTATION / ESTIMATE NO.EK/QU/018/03/2018

Suppliers/Engineer

Date :26-03-2018

Customer

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Peoples Medical College Hospital Nawabshah,

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SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NO	DESCRIPTION	Qty	Unit Price	Total Price
	OLYMPUS PRODUCT		CIF SGD:	FOR Rs.
	Switching the enhancement modes			
	Image size selection			
	Freeze			
	Pre-Freeze			
	NBI Observation			
	Reset to defaults			
	Remote control			
	Patient data			
	Displaying the record state			
	Displaying the image information			
	Advance registration of patient data			
	Recording format			
	Number of recording images			
	User settings			
	Memorization of selected setting			
	The enhancement level can be selected from 3 levels (OFF, 1, 2, and 3).			
	The size of the endoscopic image can be changed using the "IMAGE SIZE" key on the keyboard.			
	An endoscopic image is frozen using an endoscope or the "FREEZE" key on the keyboard.			
	The image with the least blur is selected from the images captured in the set time period before freeze operation and displayed			
	This is one of optical-digital observation using the narrow band observation light			
	The following settings can be reset to their defaults			
	• Color tone • Iris mode • Image enhancement mode • Color enhancement mode			
	• Image size • Contrast • Freeze • Release index • Electronic zoom			
	• Optical-digital observation • Arrow pointer • Stopwatch • Characters on screen • Brightness			
	The following ancillary equipment can be controlled (specified models only).			
	• DVR • Video Printer • Image filing system • Flushing pump • Endoscopic CO2 regulation unit			
	The following data can be displayed on the monitor using the keyboard.			
	• Patient ID • Patient name • Sex • Age • Date of birth • Date of recording (time, stopwatch) • Comments			
	The recording state of the following ancillary equipment can be displayed on the monitor.			
	• Portable memory and internal buffer • DVR • Video printer • Image filing system			
	The following data can be displayed on the monitor.			
	• Structure enhancement level • Edge enhancement level • Zoom ratio • Color mode			
	Up to 50 patient data can be registered.			
	• Patient ID • Patient name • Sex and age • Date of birth			
	• TIFF, no compression • JPEG (1/5): approx. 1:5 compression • JPEG (1/10): approx. 1:10 compression			
	• TIFF: approx. 227 images • JPEG (1/5): approx. 1924 images • JPEG (1/10): approx. 2048 images			
	Up to 20 user settings can be registered.			
	The following settings are held in memory even after the video system center is turned OFF.			
	• Color tone • Iris mode • Enhancement • Color enhancement mode • Contrast • AGC • Color mode • White balance			
	• White balance • Brightness adjustment method • Brightness • Air feeding	1 No.		

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S.NO	DESCRIPTION	Qty	Unit Price	Total Price
OLYMPUS PRODUCT			CHF SGD:	FOR Rs.
E	FLUSHING PUMP FOR COLONO SCOPE			
	OFF-2 Flushing Pump for Colono Video Scope	1 No.		
F	SECTION MACHINE FOR ENDOSCOPE			
	KV-6 Suction machine for endoscopy	1 No.		
G	MAINTENANCE UNIT			
	MU-1 Maintenance Unit with Leakage Tester for Endoscopy	1 No.		
H	VIDEO TROLLEY			
	Local Trolley Video Trolley with anticaster and keyboard drawer (LOCAL SUPPLY)	1 No.		
	HIG DEFINATION LCD MONITOR 21" (SONY)			
I	LMD-2110MD Hig Definition LCD Medical Grade Colour Monitor 21" SONY Compatible.	1 No.		
	Make: OLYMPUS			
	Country Of Origin: JAPAN / UK / TAIWAN			
	Port of Shipment: SINGAPORE			

Validity: As Per T.E

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S.NO	DESCRIPTION	Qty	Unit Price	Total Price
	OLYMPUS PRODUCT		CIF SGD:	FOR Rs.
	*Item No. 50 COLPOSCOPE	1 Set	45,340.00	4,750,000.00
A	OCS-500 COLPOSCOPE Beyond The Colposcope A Multi-Task Gyne-Imaging Center	1 No.	Forty Five Thousand Three Hundred Forty Only	Forty Seven Lac Fifty Thousand Only
	Specifications			
	Operating Environment			
	Air Temperature		10 – 40°C (50 – 104°F)	
	Humidity		30 – 85 %	
	Air Pressure		700 – 1060 hPa (0.7 – 1.1 kg/cm ² , 10.2 – 15.4 psia)	
	Size			
	Dimensions		600 mm dia. (Pedestal Base) x 1400 mm (Overall Height)	
	Magnification		10X	
	Eyepiece			
	Field Number		22	
	Diopter Adjustment		-5 – +5 m-1	
	Zooming			
	Drive System		Manual drive by knob rotation	
	Zoom Ratio		1:06	
	Focusing			
	Focus System		Adjustable focal length	
	Drive System		Manual drive by knob rotation	
	Focus Adjustment Range		220 – 350 mm	
	Illumination			
	System		Light guide	
	Filter		Detachable green filter	
	Magnifications			
	WD220:		3.7 – 23.4X	
	WD300:		3.0 – 18.8X	
	WD350:		2.7 – 16.9X	
	Field Of View		WD220: 58.5 – 9.3 mm	
			WD300: 73.1 – 11.6 mm	
			WD350: 82.4 – 13.1 mm	
	Floorstand			
	Support System		Floorstand	
	Balancing System		Pantographic arm balancing using spring.	
	Balance Adjustment Range		4.0 – 7.0 kg	
	Balance Adjustment		Handle adjusted	
	Binoocular Tube Tilt		10 degrees upward and 30 degrees downward relative to the horizontal observation optical axis.	
	Vertical Arm Movement		300 mm	
	Arm Rotation Range		270°	
	Photography/Cinematography			
	TV Camera			
	Digital Camera			

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A. I. S. T.
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SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NO	DESCRIPTION	Qty	Unit Price CIF SGD:	Total Price FOR Rs.
	OLYMPUS PRODUCT			
	TANDARD SET OF ACCESSORIES			
	OCS5-ZB Zoom Microscope Body	1 No.		
	OCS5-BA Balance Arm	1 No.		
	OCS5-HA Horizontal Arm	1 No.		
	OCS5-STD Stand	1 No.		
	OCS5-STB Floorstand Base	1 No.		
	OCS5-TYS Small Tray	1 No.		
	OCS5-LG Light Guide	1 No.		
B	OTV-SC2 Video System With Camera	1 No.		
	Acompact and well-balanced high-resolution video system with high compatibility.			
	Voltage 100 to 240v AC			
Power Supply	Frequency 50/60 Hz: within Hz			
	Dimensions 295x69x376mm:312x80x410mm at maximum (WxHxD)			
Size	Weight 4.9kg			
Classification (meical electrical equipment)	Degree of Protection against electric shock of applied part TYPE BF applied part. Where no classification mark appears, the device is a TYPE BF applied part			
Observation	Analog signal output VBS Composite 2, Y/C: 1 (NTSC for 100 to 240 V models)			
	Digital output DVI: 1			
	White Balance Adjustment White balance adjustable is possible using the white balance button the front panel			
	Standard color chart output When the camera head is disconnected, a color bar chart can be display			
	Brightness adjustable Brightness can be adjustable two modes (HI or LO)			

Validity: As Per T.E

Delivery: As Per T.E

Service Term: As Per Tender Enquiry

Delivery Terms: Free Delivery at the consignee's end

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http://www.endo-kare.com

14-A, Aibak Block, New Garden Town, Lahore
Ph: 042-35941751-5 Fax : 042-35941755
E-mail : shaheryar92@hotmail.com

QUOTATION / ESTIMATE NO.EK/QU/018/03/2018

Suppliers/Engineer

Date :26-03-2018

Customer

To,

The Medical Superintendent,
Peoples Medical College Hospital Nawabshah,
SHAHEED BENAZIRABAD

TENDER FOR PURCHASE OF MACHINERY/EQUIPMENT AND INSTRUMENT TO BE
INSTALLED AT PEOPLES MEDICAL COLLEGE HOSPITAL NAWABSHAH-I-
SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NO	DESCRIPTION	Qty	Unit Price	Total Price
	OLYMPUS PRODUCT		CIF SGD:	FOR Rs.
C	CH-SC2-1D CAMERA HEAD	1 No.		
	Size Dimensions 30.7mmx65mm Weight 40g Cable 5.2mmx3m			
	Observation Pickup system Interline type CCD solid-state image pickups Sensitivity 4 (Lux), F1.4			
	Cleaning/Disinfectant/Sterilization Cleaning/Disinfection Immersible in disinfectant solution Sterilization Ethylene oxide gas sterilization possible Steam sterilization (autoclavable) impossible			
D	CLL-VI LED Light Source	1 No.		
	Powerful Illumination with Advanced LED Technology * Higher brightness compared to conventional halogen light sources. * Constant light intensity over lifetime * Low maintenance costs: No bulb changes required for at least 2,000 hours of operation.			
	Make: OLYMPUS Country Of Origin: JAPAN / GERMANY Port of Shipment: SINGAPORE			
E	Local Trolley Local Video Trolley with anticaster and keyboard drawer	1 No.		

Validity: As Per T.E

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Ph: 042-35941751-5 Fax : 042-35941755
E-mail : shaheryar92@hotmail.com

Date.26-03-2018

Ref .EK-Ref/ 032/03/2018

To,

THE MEDICAL SUPERINTENDENT.,
PEOPLES MEDICAL COLLEGE HOSPITAL NAWABSHAH,
SHAHEED BENAIZIRABAD.

**SUB: TENDER FOR PURCHASE OF MACHINERY/EQUIPMENT AND
INSTRUMENT TO BE INSTALLED AT PEOPLES MEDICAL
COLLEGE HOSPITAL NAWABSHAH-I- SHAHEED
BENAIZIRABAD DUE ON: 26.03.18**

Dear Sir,

We are pleased to submit our **Quotation No. EK/RQ/018/03-18 Dated.26-03-2018**, for the above-mentioned subject along with the following documents.

We shall abide by all the terms & condition mentioned in the tender enquiry.

1. Original Tender Purchase Receipt
2. Original Tender Documents
3. Technical Quotation
4. Financial Quotation
5. Copy of Income Tax Registration Certificate
6. Copy of last three years paid income tax challan
7. Copy of Sales Tax Registration Certificate
8. Professional Tax certificate
9. Certificates regarding of Production for conformity with International standards
10. Copy of Agency Agreement
11. Bank certificate showing financial capability
12. Bank certificate of account maintenance
13. Bank statement of last Three year
14. Balance sheet audited for the last Three year
15. Company Profile
16. Affidavit


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E-mail : shaheryar92@hotmail.com

17. Letter of Verification
18. Manufacture Company Profile (Olympus)
19. Manufacture authorization Form
20. Broshure of coated item
21. Permanence Certificate (End User)
22. Installation Certificate
23. Copy of Bill of Entry
24. Major & minor parts inventory list
25. Engineering Certificate
26. Picture of our Bio Medical Lab
27. Calibration & Repair testing Equipment, Tools, Instrument List
28. End User Name, Hospitals
29. FDA Certificate
30. CE Certificate
31. Earnest Money Rs.725,000 /= Vide P/o No.5552629 Dated. 24.03.18

Thanks & Regards.


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QUOTATION / ESTIMATE NO.EK/QU/018/03/2018
Suppliers/Engineer

Date 26-03-2018

Customer

To,

The Medical Superintendent,
Peoples Medical College Hospital Nawabshah,
SHAHEED BENAZIRABAD

TENDER FOR PURCHASE OF MACHINERY/EQUIPMENT AND INSTRUMENT TO BE
INSTALLED AT PEOPLES MEDICAL COLLEGE HOSPITAL NAWABSHAH-I-
SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NO	DESCRIPTION	Qty	Unit Price	Total Price
	OLYMPUS PRODUCT		CIF SGD:	FOR Rs.
A	ITEM NO: 12 LAPAROSCOPY COMPLETE SET FULL HD TELESCOPE DIAMETER 10MM, LENGTH 330, VIEW ANGLE 0 WA53000A High Definition Telescope 0°direction of view, 10mm, quick lock	1 Set	113,666.00 One Lac Thirteen Thousand Sixty Six Hundred Only	10,230,000.00 One Caror Twenty Three Lac Only
B	HD VIDEO CAMERA AND CAMERA CONTROL UNIT WITH BUILT IN RECORDING SYSTEM (PAL SYSTEM) HD 3 CCD Camera System OTV-S190 High Definition VISERA ELITE Video System Center. With NBI Compatible SPECIFICATION Power Supply Voltage: 100-240V Frequency: 50/60 Hz Consumption Electr type HDTV signal output Either RGB (1080/501) or YPbPr (1080/501) output can be selected SDTV signal output VBS Composite, Y/C, YPbPr, and RGB: simultaneous output possible White Balance Adjust. White balance adjustment is possible using the white button Standard colour chart A color bar chart can be display Color tone Adjustment The following color tone adjustment are possible using the color tone level adjustment button and color tone selector button Automatic gain control * Red adjus. 8 step * Blue ajust 8 stpe chroma ajust. 8 step the image can be electrically amplified when the light is inadequate due to the distal end of the endoscope being too far form the obj The image contrast can be set to one of the following three mode Contrast * Normal image, (High) the dark area are darker and the bright area are brighter than in the normal image, Low: the dark areas are bright areas are darker than in the normal image The auto iris modes can be selected using the iris mode Iris *Auto: The brightness is adjust based on the brightness part of the central part of the average brightness of the periphery part Peak: The brightness is adjust. Based on the brightness part of the endoscopic image Average. The brightness is adust. Based on the average brightness of the endoscopic image Image enhancement Fine patterns or edges in the endoscopic images can be setting enhanced electrically to increase the image sharpness. Switching the enhancement The enhancement level can be selected from 3 level			

Validity: As Per T.E

Delivery: As Per T.E

Service Term: As Per Tender Enquiry

Delivery Terms: Free Delivery at the consignee's end

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SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.No	DESCRIPTION	Qty	Unit Price	Total Price
	OLYMPUS PRODUCT		CIF SGD:	FOR Rs.
	CAMERA HEAD			
C	HS190-XZ-E	1 No.		
	3CCD High Definition Camera Head			
	Dimensions Eyepiece Type: 50 x 63 x 142mm			
	WxDxH Quick lock type: 45 x 58 x 161mm			
	Weight 350g			
	Cable 6.8mm x 3mm			
	Observation Pickup System 0.85cm / 0.33 inches solid state image pickup			
	Magnification Ratio Focal distance f= 15.8 - 31.3mm			
	Cleaning / Disinfection Cleaning/disinfection Immersible in disinfectant solution			
	Sterilization Sterilization Autoclave / ETO			
	** Full HD 3CCD Camera System			
	** Enhanced Resolution and Control			
	** NBI (Narrow Band Imaging) Compatible			
	** Three Fully Programmable Remote Switches			
D	OEV-262H	1 No		
	HIGH DEFINATION LCD Monitor 26"			
	Compatible High Definition 26" LCD Colour Monitor)			
	Technical Data			
	Screen Size 26.0 inches			
	Resolution 1920 x 1200 dots (WUXGA)			
	Viewing angle 178° Horizontal & Vertical			
	Frequency 100-120V/220-240V AC			
	Aspect Ratio 16:10			
	Contrast Ratio 1000:01:00			
	Number of Colors 16.8 million			
	Panel Full HD LCD Panel			
	Color Tones: Calibrated input, Multiple HD and 3D input.			
	Image Picture in picture, Picture out Picture and 180 degree rotation Mirror			
	INPUT HD/SD SDI(1) SDR(2) BNC Connector			
	Video BNC Connector			
	Y/C 4 - Pin mini DIN			
	(HD/SD SDI (x2), Video, Y/C, Analog RGB+EXT Sync, HD15, DVI (x2))			
	OUTPUT HD/SD SDI(1) SDR(2) BNC Connector with active -- Through output and auto 75 Ohms Terminations			
	VIDEO BNC Connector with active -- Through output and auto 75 Ohms Terminations			
	Y/C BNC Connector with active -- Through output and auto 75 Ohms Terminations			
	REMOTE GPI Connector D-SUB 9 Pin			
	RS-232C Connector D-SUB 9 Pin			
	Picture-in-Picture: Picture-out-Picture			

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Rawalpindi/Islamabad: 31-Shalimar Plaza, Aziz Bhatti Road, Rawalpindi Cantt. Tel : 051-3510193 Fax : 051-3510192
Peshawar: 27-C, Khyber Medical Centre, Dabgarl Garden, Peshawar. Tel : 991-2214100

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Ph: 042-35941751-5 Fax : 042-35941755
E-mail : shaheryar92@hotmail.com

QUOTATION / ESTIMATE NO.EK/QU/018/03/2018
Suppliers/Engineer

Date :26-03-2018

Customer

To,

The Medical Superintendent,
Peoples Medical College Hospital Nawabshah,
SHAHEED BENAZIRABAD

TENDER FOR PURCHASE OF MACHINERY/EQUIPMENT AND INSTRUMENT TO BE
INSTALLED AT PEOPLES MEDICAL COLLEGE HOSPITAL NAWABSHAH-I
SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NO	DESCRIPTION	Qty	Unit Price CIF SGD:	Total Price FOR Rs.
OLYMPUS PRODUCT				
E	LED LIGHT SOURCE CLL-V1 LED LIGHT SOURCE Powerfull Illumination with advanced LED Technology * Higher brightness compared to conventional halogen light source * Constant light intensity over lifetime * No Bulb changes required at least 2,000 hours of operation	1 No		
F	45 LITER LAPAROFLATOR UHI-4 CO2 insufflator with large digital display and auto smoke evacuation facility Flow rate 45 L/Min. Advanced functionality for enhanced performance and reliability in a demand surgical environment * High Speed Insufflation max Flow Rate 45L * Automatic Smoke Evacuation * Adjustable Smoke Evacuation Specifications: Power Supply 100 - 240 VAC Frequency 50/60 Hz Abdominal Pressure Control 3 to 25 mmHg Flow Rate Setting 0.1 to 45 L/min Cavity Mode Normal/Small Gas Supply From Wall Pipeline Connectable	1 No.		
G	WA03300A Light Guide cable	1 No.		
H	WM-NP2 MOBILE WORKSTATION with cabling System Sliding Keyboard tray, LCD Monitor arm (Other details as per Literature attached)	1 No.		

Validity: As Per T.E

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SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NO	DESCRIPTION	Qty	Unit Price	Total Price
OLYMPUS PRODUCT			CIF SGD:	FOR Rs.
LAPAROSCOPIC HAND INSTRUMENTS				
A5822	Trocar Tube, 11mm, with stopcock	2 No.		
A5823	Trocar spike, triangular tip, 11 mm	2 No.		
A5809	Trocar tube 5.5mm, with stopcock	2 No.		
A5948	Trocar spike, triangular tip, 5.5 mm	2 No.		
O5151.1	Veress Needle 120mm	1 No.		
A5610	Reduction tube, 10-5 mm, insulated	1 No.		
A63010A	Rotating Atraumatic Grasping forceps, Tooth 5x330mm	1 No.		
A63120A	Rotating Johann Grasping forceps, Tooth 5x330mm	1 No.		
A63020A	Rotating Claw Grasping forceps, 5mm x 330 mm	1 No.		
A63320A	Rotating Curved Maryland Dissecting forceps, 5 x 330mm.	1 No.		
A63810A	Rotating Metzenbaum Scissor curved type 5x330mm HIQ	1 No.		
A6292	HF-Electrode hook type, 5 mm, With Suction Channel	1 No.		
	HF-Cable Monopolar	1 No.		
A5796	Handle for Suction / Irrigation tube	1 No.		
A5798	Suction / Irrigation Tube 5mm	1 No.		
A4055	Reusable Tubing set for suction/irrigation	1 No.		
A56790A	Clip applicator, 10 x 330 mm, for clips medium/large A5635	1 No.		
Make: OLYMPUS Country Of Origin: JAPAN/GERMANY/UK/TAIWAN Port Of Shipment : SINGAPORE				

Validity: As Per T.E

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QUOTATION / ESTIMATE NO.EK:QU/018/03/2018

Suppliers/Engineer

Date: 26-03-2018

Customer

To,

The Medical Superintendent,
Peoples Medical College Hospital Nawabshah,
SHAHEED BENAZIRABAD

TENDER FOR PURCHASE OF MACHINERY/EQUIPMENT AND INSTRUMENT TO BE
INSTALLED AT PEOPLES MEDICAL COLLEGE HOSPITAL, NAWABSHAH-I-
SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NO	DESCRIPTION	Qty	Unit Price	Total Price
OLYMPUS PRODUCT			CIF SGD:	FOR Rs.
Item No. 14	PEADS CYSTOSCOPE WITH BRIDGE	1 Set	17,555.00	1,580,000.00
A3764	Telescopes 0° direction of view 1.9mm, Autoclavable	1 No	Seventeen	Fifteen Lac Eighty
A3765	Telescopes 30° direction of view 1.9mm, Autoclavable	1 No	Thousand Five	Thousand Only
WA03300A	Light Guide Cable	1 No	Hundred Fifty	
A37001A	Cystoscope Sheath 9.5Fr., 3 Fr. Channel,	1 No	Five Only	
A37002A	Cystoscope Sheath 10.8Fr., 5 Fr. Channel,	1 No		
A37018A	Grasping Forceps 3 Fr x 280mm, Flexible	1 No		
A37019A	Biopsy Forceps 3 Fr x 280mm, Flexible	1 No		
A37020A	HF Coagulating Electrode 3 Fr x 370mm	1 No		
A0335.1	HF Cable Monopolar 3.5mm	1 No		
Make: OLYMPUS Country Of Origin: GERMANY Port Of Shipment: SINGAPORE				
Item No. 15	PEDIATRIC RESECTOSCOPE COMPLETE SET	1 Set	213,888.00	1,925,000.00
A3764	Telescopes 0° direction of view 1.9mm, Autoclavable	1 No	Two Lac Thirteen	Nineteen Lac Twenty
A37004A	Resectoscope Sheath 10Fr.	1 No	Thosand Eight	Five Thousand
A37014A	Working Element for resectoscope	1 No	Hundred Eighty	Only
37011A	Cutting loop	1 No	Eight Only	
A37007A	Bridge One-way, 3Fr.	1 No		
A00010A	HF Cable Monopolar 4mm	1 No		
Make: OLYMPUS Country Of Origin: GERMANY Port Of Shipment: SINGAPORE				

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Date: 26-03-2018
Customer
To,
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TENDER FOR PURCHASE OF MACHINERY/EQUIPMENT AND INSTRUMENT TO BE
INSTALLED AT PEOPLES MEDICAL COLLEGE HOSPITAL NAWABSHAH-
SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NO	DESCRIPTION	Qty	Unit Price	Total Price
	OLYMPUS PRODUCT		CIF SGD:	FOR Rs.
Item No.16	ADULT RESECTOSCOPE	1 Set	11,777.00	1,060,000.00
WA22066A	Working Element Acive	1 No	Eleven Thousand	Ten Lac Sixty
A22040A	Rotatable Continuous Flow Resectoscope Inner Sheath 26Fr.	1 No	Seven Hundre	Thousand Only
A22026A	Outer Sheath 26Fr	1 No	Seventy Seven	
O3657	Ellik Evacutor	1 No	Only	
A22201A	Cutting Loop	1 No		
A0393	HF Cable Monopolar	1 No		
A22002A	Telescopes 30° direction of view 1.9mm, Autoclavable	1 No		
WA03300A	Light Guide Cable	1 No		
Make: OLYMPUS Country Of Origin: GERMANY Port Of Shipment : SINGAPORE				
Item No. 25	THERAPEUTIC HYSTERSCOPE	1 Set	29,388.00	2,645,000.00
A A22002A	Telescopes 30° direction of view 4mm, Autoclavable	1 No	Twenty Nine	Twenty Six Lac
WA03300A	Light guide cable	1 No	Thosand Three	Forty Five Thousand
A47610A	Hysterscope Continuous flow therapeutic 6.5mm sheath, 5Fr. channel	1 No	Hundred Eighty	Only
.4767	Obturator standard	1 No	Eight Only	
B LMD-2110MD	High Defination LCD Colour Monitor 21" (Sony)	1 No		
C OTV-SC2	Video System With Camera	1 No		
	Acompact and well-balanced high-resolution video system with high compatibility.			
	Voltage 100 to 240v AC			
Power Supply	Frequency 50/60 Hz: within Hz			
	Dimensions 295x69x376mm:312x80x410mm at maximum			
Size	Weight 4.9kg			

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SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NO	DESCRIPTION	Qty	Unit Price CIF SGD:	Total Price FOR Rs.
	OLYMPUS PRODUCT			
	Classification (meical electrical equipment) Degree of Protection against electric shock of applied part TYPE BF applied part. Where no classification mark appears, the device is a TYPE BF applied part			
	Observation Analog signal output Digital output White Balance Adjustment VBS Composite 2, Y/C: 1 (NTSC for 100 to 240 V models) VBS Composite 2, Y/C: 1 (PAL for 100 to 240 V models) DVI: I White balance adjustable is possible using the white balance button the front panel			
	Standard color chart output Brightness adjustable When the camera head is disconnected, a color bar chart can be display (HI or LO)			
D	CH-SC2-1D Camera Head Dimensions Weight Cable Pickup system Sensitivity Cleaning/Disinfection Sterilization 30.7mmx65mm 40g 5.2mmx3m Interline type CCD solid-state image pickups 4 (Lux), F1.4 Immersible in disinfectant solution Ethylene oxide gas sterilization possible Steam sterilization (autoclavable) impossible	1 No		
E	CLL-V1 LED Light Source Powerful illumination with Advanced LED Technology * Higher brightness compared to conventional halogen light sources. * Constant light intensity over lifetime * Low maintenance costs: No bulb changes required for at least 2,000 hours of operation. Make: Country of Origin: Port Shipment: OLYMPUS JAPAN / GERMANY SINGAPORE	1 No		
F	Local Trolley Local Video Trolley with antistator and keyboard drawer	1 No		

Validity: As Per T.E
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SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NC	DESCRIPTION	Qty	Unit Price	Total Price
	OLYMPUS PRODUCT		CIF SGD:	FOR Rs.
	ITEM NO: 49	1 Set	164,722.00	14,825,000.00
	ENDOSCOPE UNIT FOR UPPER & LOWER G.I		One Lac Sixty Four Thousand Seven Hundred Twenty Two Only	One Caror Forty Eight Lac Twenty Five Thousand Only
	FULL HIGH DEFINATION UPPER AND LOWER AND SIGMOIDOSCOPE VIDEO ENDOSCOPY COMPLETE SYSTEM			
A	HIGH DEFINATION GASTROINTESTINAL VIDEO SCOPE			
	OPTERA HIGH DEFINITION GASTROINTESTINAL VIDEO SCOPE MODEL NO. GIF-HI70	1 No.		
	FEATURES: * Waterproof One-touch Connector * High Performance HD TV Compatible. * Close Focus Technology * Slim Design * (NBI System Facility Compatible). with standard set of accessories.			
	Field of view: 140° Direction of View: Forward Viewing Depth of field: 2 to 100 mm Outer diameter: 9.2 mm Working length: 1030mm Total Working length: 1350mm Angulation Range: Up 210°, Down 90° Right 100° Left 100° Inner Diameter: 2.8mm Minimum visible distance: 3.0mm High - Frequency Cauterization Treatment Available			

Validity: As Per T.E

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Page 8 of 16

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Rawalpindi/Islamabad: 31-Shalimar Plaza, Aziz Bhatti Road, Rawalpindi Cantt. Tel : 051-5510193 Fax : 051-5512192
Peshawar: 27-C, Khyber Medical Centre, Dabgarh Garden, Peshawar. Tel : 091-2214100

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Date :26-03-2018

Customer

To,

The Medical Superintendent,

Peoples Medical College Hospital Nawabshah,
SHAHEED BENAZIRABAD

TENDER FOR PURCHASE OF MACHINERY/EQUIPMENT AND INSTRUMENT TO BE
INSTALLED AT PEOPLES MEDICAL COLLEGE HOSPITAL NAWABSHAH-I-
SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NO	DESCRIPTION	Qty	Unit Price	Total Price
B	OLYMPUS PRODUCT		CIF SGD:	FOR Rs.
	<p>HIGH DEFINATION COLONO VIDEOSCOPE</p> <p>OPTERA HIGH DEFINITION COLONO VIDEO SCOPE MODEL NO. CF-H170L * Waterproof One-touch Connector, High Performance HDTV Compatible. * Close Focs. * Water Jet. NBI System Facility Compatible) * VARIABLE STIFFNESS with standard set of accessories.</p> <p>Field of view: 140° Direction of View: Forward viewing Depth of field: 2 - 100mm Outer diameter: 12.8 mm Working length: 1680mm Total Working length: 2005mm Angulation Range: Up 180°, Down 180° Right 160° Left 160° Inner Diameter: 3.7mm Minimum visible distance: 5.0mm High - Frequency Cauterization Treatment Available</p>	1 No.		

Validity: As Per T.E

Delivery: As Per T.E

Service Term: As Per Tender Enquiry

Delivery Terms: Free Delivery at the consignee's end

FOR ENDO-KARE

ENDO-KARE

OLYMPUS®

IMPORTERS & EXPORTERS
MANUFACTURER'S REPRESENTATIVES
http://www.endo-kare.com

14-A, Aibak Block, New Garden Town, Lahore
Ph: 042-35941751-5 Fax : 042-35941755
E-mail : shaheryar92@hotmail.com

QUOTATION / ESTIMATE NO.EK/QU/018/03/2018

Suppliers/Engineer

Date :26-03-2018

Customer

To,

The Medical Superintendent,

Peoples Medical College Hospital Nawabshah,

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SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NO	DESCRIPTION	Qty	Unit Price	Total Price
	OLYMPUS PRODUCT		CIF SGD:	FOR Rs.
C	HIGH DEFINATION SIGMOIDOSCOPE VIDEOSCOPE			
	OPTERA HIGH DEFINITION SIGMOIDOSCOPE VIDEO SCOPE MODEL NO. CF-H1701 * Waterproof One-touch Connector, High Performance HDTV Compatible, * Close Focs, * Water Jet, NBI System Facility Compatible) * VARIABLE STIFFNESS with standard set of accessories.	1 No.		
	Field of view: 140° Direction of View Forward viewing Depth of field 2 - 100mm Outer diameter: 12.8 mm Working length: 1330mm Total Working length: 1655mm Angulation Range Up 180°, Down 180° Right 160° Left 160° Inner Diameter 3.7mm Minimum visible distance 5.0mm High - Frequency Cauterization Treatment Available			

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Page 10 of 16

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Karachi: H.No. 56-Q, P.E.C.H.S., Block-2, Karachi. Tel : 92-21-34526671 Fax : 92-21-34526672
Rawalpindi/Islamabad: 31-Shalimar Plaza, Aziz Bhatti Road, Rawalpindi Cantt. Tel : 051-3510193 Fax : 051-5513192
Peshawar: 27-C, Khyber Medical Centre, Dobbani Garden, Peshawar. Tel : 091-2214100

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S.NO	DESCRIPTION	Qty	Unit Price	Total Price
OLYMPUS PRODUCT			CIF SGD:	FOR Rs.
D	VIDEO SYSTEM CENTER			
	<p>CY-170 HIGH DEFINATION OPTERA VIDEO PROCESSOR SYSTEM Combination of HDTV and NBI is Now Available with an LED Light Source in one design</p> <p>SPECIFICATIONS</p> <p>Power Supply Voltage: 100-240 V AC Frequency: 50 / 60 Hz. Rated input: 200VA Accep. Ratio: 16:9 and 16:10 Output Analog HDTV signal output: Either RGB (1080/60I: NTSC)/(1080/50I: PAL) or YPbPr (1080/60I: NTSC)/(1080/50I: PAL) output can be selected Analog SDTV signal output: VBS composite (480/60I: NTSC)/(576/50I: PAL), Y/C (480/60I: NTSC)/(576/50I: PAL), and RGB(480/60I: NTSC)/(576/50I: PAL); simultaneous outputs possible. Digital signal output: HD-SDI (SMPTE 292M), SD-SDI (SMPTE 259M), DV (IEEE 1394), and DVI (WUXGA, 1080p or SXGA) can be selected. White balance adjustment: White balance adjustment is possible using the white balance button on the front panel. Standard color chart output: The "Color bar" or the "50% white" screen can be displayed Color tone adjustment: The following color tone adjustments are possible. • Red adjustment: ±8 steps • Blue adjustment: ±8 steps • Chroma adjustment: ±8 steps Automatic gain control (AGC): The image can be electronically amplified when the light is inadequate due to the distal end of the endoscope being too far from the object Contrast: The image contrast can be set to one of the following three modes: N(H) L • N (Normal): Normal image • H (High). The dark areas are darker and the bright areas are brighter than in the • L (Low) The dark area are brighter and bright area are darker than in the normal image. Noise reduction: Noise is corrected by image processing Iris: The auto iris modes can be selected using the "iris mode" switch on the front panel • Peak: The brightness is adjusted based on the brightest part of the endoscopic image. • Average: The brightness is adjusted based on the average brightness of the endoscopic image. Image enhancement setting: Fine patterns or edges in the endoscopic images can be enhanced electrically to increase the image sharpness. Either the structural enhancement or edge enhancement can be selected according to the user setup. • Structural enhancement: Enhancement of contrast of the fine patterns in the image. • Edge enhancement: Enhancement of edges of the endoscopic image.</p>	1 No.		

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SHAHEED BENAZIRABAD DUE ON: 26.03.18

S.NO	DESCRIPTION	Qty	Unit Price	Total Price
	OLYMPUS PRODUCT		CIF SGD:	FOR Rs.
	Switching the enhancement modes The enhancement level can be selected from 3 levels (OFF, 1, 2, and 3).			
	Image size selection The size of the endoscopic image can be changed using the "IMAGE SIZE" key on the keyboard.			
	Freeze An endoscopic image is frozen using an endoscope or the "FREEZE" key on the keyboard.			
	Pre-Freeze The image with the least blur is selected from the images captured in the set time period before freeze operation and displayed			
	NBI Observation This is one of optical-digital observation using the narrow band observation light The following settings can be reset to their defaults			
	Reset to defaults • Color tone • Iris mode • Image enhancement mode • Color enhancement mode, • Image size • Contrast • Freeze • Release index • Electronic zoom • Optical-digital observation • Arrow pointer • Stopwatch • Characters on screen • Brightness			
	Remote control The following ancillary equipment can be controlled (specified models only). • DVR • Video Printer • Image flying system • Flushing pump • Endoscopic CO2 regulation unit			
	Patient data The following data can be displayed on the monitor using the keyboard. • Patient ID • Patient name • Sex • Age • Date of birth • Date of recording (time, stopwatch) • Comments			
	Displaying the record state The recording state of the following ancillary equipment can be displayed on the monitor • Portable memory and internal buffer • DVR • Video printer • Image filing system			
	Displaying the image information The following data can be displayed on the monitor. • Structure enhancement level • Edge enhancement level • Zoom ratio • Color mode			
	Advance registration of patient data Up to 50 patient data can be registered. • Patient ID • Patient name • Sex and age • Date of birth			
	Recording format • TIFF, no compression • JPEG (1/5): approx. 1/5 compression • JPEG (1/10): approx. 1/10 compression			
	Number of recording images • TIFF: approx. 227 images • JPEG (1/5): approx. 1024 images • JPEG (1/10): approx. 2048 images			
	User settings Up to 20 user settings can be registered.			
	Memorization of selected setting The following settings are held in memory even after the video system center is turned OFF. • Color tone • Iris mode • Enhancement • Color enhancement mode • Contrast • AGC • Color mode • White balance • White balance • Brightness adjustment method • Brightness • Air feeding	1 No.		

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Date :26-03-2018

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S.NO	DESCRIPTION	Qty	Unit Price	Total Price
OLYMPUS PRODUCT			CIF SGD:	FOR Rs.
E	FLUSHING PUMP FOR COLONO SCOPE			
	OFF-2 Flushing Pump for Colono Video Scope	1 No.		
F	SUCTION MACHINE FOR ENDOSCOPE			
	KV-6 Suction machine for endoscopy	1 No.		
G	MAINTENANCE UNIT			
	MU-1 Maintenance Unit with Leakage Tester for Endoscopy	1 No.		
H	VIDEO TROLLEY			
	Local Trolley Video Trolley with anticaster and keyboard drawer (LOCAL SUPPLY)	1 No.		
	HIG DEFINATION LCD MONITOR 21" (SONY)			
I	LMD-2110MD			
	Hig Definition LCD Medical Grade Colour Monitor 21" SONY Compatible.	1 No.		
	Make: OLYMPUS			
	Country Of Origin: JAPAN / UK / TAIWAN			
	Port of Shipment: SINGAPORE			

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S.NO	DESCRIPTION	Qty	Unit Price	Total Price
	OLYMPUS PRODUCT		CIF SGD:	FOR Rs.
	Item No. 50 COLPOSCOPE	1 Set	45,340.00	4,750,000.00
A	OCS-500 COLPOSCOPE Beyond The Colposcope A Multi-Task Gyne-Imaging Center	1 No.	Forty Five Thous. Three Hundred Forty Only)	Forty Seven Lac Fifty Thousand Only
	Specifications			
	Operating Environment			
	Air Temperature		10 - 40°C (50 - 104°F)	
	Humidity		30 - 85 %	
	Air Pressure		700 - 1060 hPa (0.7 - 1.1 kg/cm ² , 10.2 - 15.4 psia)	
	Size			
	Dimensions		600 mm dia. (Pedestal Base) x 1400 mm (Overall Height)	
	Magnification		10X	
	Eyepiece			
	Field Number		22	
	Diopier Adjustment		-5 - +5 m-1	
	Zooming			
	Drive System		Manual drive by knob rotation	
	Zoom Ratio		1:06	
	Focusing			
	Focus System		Adjustable focal length	
	Drive System		Manual drive by knob rotation	
	Focus Adjustment Ran		220 - 350 mm	
	Illumination			
	System		Light guide	
	Filter		Detachable green filter	
	Magnifications			
	WD220:		3.7 - 23.4X	
	WD300:		3.0 - 18.8X	
	WD350:		2.7 - 16.9X	
	Field Of View		WD220: 58.5 - 9.3 mm	
			WD300: 73.1 - 11.6 mm	
			WD350: 82.4 - 13.1 mm	
	Floorstand			
	Support System		Floorstand	
	Balancing System		Pantographic arm balancing using spring.	
	Balance Adjustment R		4.0 - 7.0 kg	
	Balance Adjustmen		Handle adjusted	
	Binocular Tube Tilt		10 degrees upward and 30 degrees downward relative to the horizontal observation optical axis.	
	Vertical Arm Moveme		300 mm	
	Arm Rotation Range		270°	
	Photography/ Cinematography			
	TV Camera			
	Digital Camera			

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S.NO	DESCRIPTION	Qty	Unit Price	Total Price
OLYMPUS PRODUCT			CHF SGD:	FOR Rs.
TANDARD SET OF ACCESSORIES				
OCS5-ZB	Zoom Microscope Body	1 No.		
OCS5-BA	Balance Arm	1 No.		
OCS5-HA	Horizontal Arm	1 No.		
OCS5-STD	Stand	1 No.		
OCS5-STB	Floorstand Base	1 No.		
OCS5-TYS	Small Tray	1 No.		
OCS5-LG	Light Guide	1 No.		
B	OTV-SC2	1 No.		
	Video System With Camera			
	Acompact and well-balanced high-resolution video system with high compatibility.			
	Voltage 100 to 240v AC			
Power Supply	Frequency 50/60 Hz: within Hz			
	Dimensions 295x69x376mm:312x80x410mm at maximum (WxHxD)			
Size	Weight 4.9kg			
Classification (meical electrical equipment)	Degree of Protection against electric shock of applied part TYPE BF applied part. Where no classification mark appears, the device is a TYPE BF applied part			
Observation	Analog signal output VBS Composite 2, Y/C:1 (NTSC for 100 to 240 V models)			
	Digital output DVI:1			
	White Balance Adjustment White balance adjustable is possible using the white balance button the front panel			
	Standard color chart output When the camera head is disconnected, a color bar chart can be display			
	Brightness adjustable Brightness can be adjustable two modes (HI or LO)			

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Page 15 of 16

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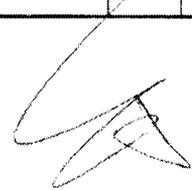
S.NO	DESCRIPTION	Qty	Unit Price	Total Price
OLYMPUS PRODUCT			CIF SGD:	FOR Rs.
C	CH-SC2-1D CAMERA HEAD Dimensions 30.7mmx65mm Weight 40g Cable 5.2mmx3m Pickup system Interline type CCD solid-state image pickups Sensitivity 4 (Lux), F1.4 Cleaning/Disinfection Immersible in disinfectant solution Sterilization Ethylene oxide gas sterilization possible Steam sterilization (autoclavable) impossible	1 No.		
D	CLL-V1 LED Light Source Powerful Illumination with Advanced LED Technology * Higher brightness compared to conventional halogen light sources. * Constant light intensity over lifetime * Low maintenance costs: No bulb changes required for at least 2,000 hours of operation. Make: OLYMPUS Country Of Origin: JAPAN / GERMANY Port of Shipment: SINGAPORE	1 No.		
E	Local Trolley Local Video Trolley with anticaster and keyboard drawer	1 No.		

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FOR ENDO-KARE



LB/Quot/17-18/140

March 20, 2018

The Medical Superintendent
Peoples Medical College Hospital
Nawabshah
Shaheed Benazirabad

Quotation

Tender Enquiry No.PMCH-5853/55 dated 7-3-2018

Due on 26-03-2018 Time 12:00 Noon

Ophthalmology

40. Operating Microscope for Ophthalmology
Model **OM-9**
With standard accessories
Takagi – Japan make.

Specifications:

Microscopes:

- Magnification changer: **Motorized zoom type** (zoom ratio 1:5)
- Objective: F=200mm (apochromatic corrected optics)
- Eyepieces: 10x (high-eyepoint & wide field)
- Binoculars: **Tiltable binocular tubes F=170mm**
- Total magnifications: 4.1x to 20.4x
- Real fields of view: Dia. 49mm to dia. 9.8mm
- Focusing stroke: 30mm
- X-Y movement stroke: ±25mm in each direction (with centering function)

Illumination:

- System: Direct illumination
- Light source: LED
- Field of illumination: Dia. 55mm
- Illumination control: 9 steps
- Filters: Heat-absorbing, Blue correction filter, Yellow filter, Retinal protection

Arm, Base:

- Mount: Floor stand
- Max. arm extension: 1045mm
- Arm vertical stroke: 400mm
- Base size: 640mm x 640mm

Complete.

Further details as per leaflet enclosed.

01 Set Rs. 2,494,800.00

(Rupees Two million four hundred ninety-four thousand & eight hundred only)

BRANCHES

Suite No. 202, Marine Pride, Plot No. BC-2,
Block No. 7, Clifton, **KARACHI**
Tel: (021) 35379589
Fax: (021) 35379590

H. No. 113/5, Saadi Road,
RAWALPINDI CANTT
Tel: (051) 5130267-68
Fax: (051) 5120556

Apt. # B-1, First Floor,
Town Centre, Main Abdara Road,
University Town, **PESHAWAR**
Tel/Fax: (091) 5842877

Latif Brothers (Instruments)

Approved Government Contractors
And Manufacturers Representatives



G.P.O. Box 394, 14-Commercial Buildings Shahrah-e-Quaid-e-Azam, Lahore, Pakistan.
Tel: (042) 35406972, 35407027, 35407028, 37225950, Fax: (042) 35407024, 35407025. E-mail: pakistani@pakistani.org.pk

Please Note:

1. Our offer is valid for 90 days.
2. We are submitting our offer in duplicate (Financial + Technical).
3. Deposit-at-Call #12116316 dated 20-03-2018 is enclosed as earnest money.
4. Free installation / demonstration shall be arranged by our engineers.
5. Main equipment will be under warranty for three years from the date of supply. However, item which are re-usable, autoclavable and undergo natural wear & tear during their usage such as bulbs, batteries, fiber optic cables, etc. are not covered under warranty. Breakage is also not covered under warranty.
6. Delivery within 06 – 08 weeks of receipt of your confirmed order.
7. Our prices do not include Sales Tax. The Hospital is exempted from Sales Tax.
8. Relevant literature is enclosed.
9. Original Tender Purchase receipt
10. Our NTN Number is 1359846-5.
11. Sale Tax Certificate.
12. Professional Tax Certificate
13. Manufacturer's Authorization
14. Local Chamber of Commerce & Industries Membership Certificate
15. Undertaking attached
16. Affidavit attached
17. Guarantee Certificate attached
18. Bank Statement of last three years
19. Financial Audit Reports of last year
20. Income Tax Return last three years
21. Active General Sales Tax Certificate
22. Company Profile
23. Product Certificates (ISO, CE, FDA, Ministry of Health)
24. Reference List
25. Partnership Deed
26. **Manuals:** We will provide original operation manual received from the manufacturer, service manuals are usually provided on CD / DVD. We will, however, provide a locally printed copy of the service manual along with CD /DVD/USB with the equipment. The quoted instrument is designated as **Medical Device** and hence no circuit diagram will be available as component level repair is not allowed under International Law.
27. Our Office in Sindh with complete after sale service facility is as under:

Latif Brothers (Instruments)
Suite No.202, Marine Pride
Plot No.BC-2, Block No.7
Clifton, Karachi.

for **LATIF BROTHERS (INSTRUMENTS),**



BRANCHES

Suite No. 202, Marine Pride, Plot No. BC-2,
Block No. 7, Clifton, KARACHI
Tel: (021) 35379589
Fax: (021) 35379590

H. No. 113/5, Saadi Road,
RAWALPINDI CANTT
Tel: (051) 5130267-68
Fax: (051) 5120556

Apt. # B-1, First Floor,
Town Centre, Main Abdara Road,
University Town, PESHAWAR
Tel/Fax: (091) 5842877

ITEM NO. 01

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	Revolving Stool SS Top	Qty	12
Revolving Stool SS Top			
<u>Specifications:</u>			Rs 5400/- Each
<ul style="list-style-type: none"> - Revolving patient examination stool - Top made of moulded stainless steel sheet - Central 1 1/4" MS round pipe with screw mechanism - Legs made of 1" MS round pipe fitted together by 3/4" MS round pipe for stability and strength - Rubber boot on feet for floor grip - Electrostatic epoxy powder coated paint finish - Or Equivalent 			
<u>Certifications:</u>			
ISO			
<u>Make:</u>			
Local Export Quality or Equivalent			

ITEM NO. 02

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	Ward Screen, 3 Folds	Qty	10
Ward Screen, 3 Folds			
<u>Specifications:</u>			Rs. 14000/- Each
<ul style="list-style-type: none"> - Dimensions: 96" x 61" (W x H) - Frame in three panels for screening patient properly - Made from 18SWG MS tubular pipe 1" diameter - Frames fixed together with ABS universal joints, easily movable - Polyester curtains fitted on steel pipe rods - Mobile on six imported 2" castors - Electrostatic epoxy powder coated steel finish - Or Equivalent 			
<u>Certifications:</u>			
ISO			
<u>Make:</u>			
Local Export Quality or Equivalent			

ITEM NO. 03

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	Bed Side Cabinet	Qty	12
Bed Side Cabinet			
<u>Specifications:</u>			Rs 14000/-
<ul style="list-style-type: none"> - Cabinet made of 1mm thick Galvanized steel sheet 			

MID CORPORATION
 International Auto Parts Market
 2nd Plaza Square, Karachi
 200-2807690

- Top of PVC material with three sides raised edges
- Drawer 3" depth having sheet inbuilt handle with full extension ball bearing railing
- Cabinet door having sheet inbuilt handle and magnetic strip with firm grip
- Recessed shelf, removable
- Mobile on four imported 2" twin castors
- Electrostatic epoxy powder coated finish
- Or Equivalent

Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 04

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

Over Bed Table	Qty	12
----------------	-----	----

Specifications:

- Frame dimension 27" x 17"
- Stable frame made of 16SWG 1" x 2" MS tubular pipe
- Top of laminated melamine board 32" x 15" with sides dressed with PVC lining
- Telescopic height adjustment from 31" to 45" with tightening of screw knob
- Adjustable column of tubular stainless steel pipe
- Mobile on four imported 2" twin castors
- Electrostatic epoxy powder coated finish
- Or Equivalent

Rs 9300/- Each

Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 05

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

Patient Attendant Bench	Qty	50
-------------------------	-----	----

Specifications:

- Dimensions: 72" x 24" x 16"
- Structure made from 16SWG MS pipe
- Round MS pipe bows at both ends
- Upholstered with high quality 1" foam and rexene
- All legs base fitted with PVC plug for floor protection
- Electrostatic epoxy powder coated paint finish

Rs 13400/- Each

1111 NO. 74, JK-47/11
 1st Floor, Aditi Park, Market
 100 ft, 1000 Singare, Karachi
 Call: # 0300-2407696

A

[Signature]

2 hooks with inner chromed steel pipe
 Height adjustment by tight screw
 Outer MS pipe epoxy powder coated
 Or Equivalent

Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 08

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Wheel Chair Fixed	Qty	30
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Specifications:

- Dimensions: 32" x 28" x 20"
- Main frame constructed from 16SWG MS round pipe
- Seat and back upholstered with foam & rexene
- Arm rest of plastic
- Rear wheel of 8" non-swivel type
- Front wheel of 5" swivel type
- Rubber bumpers on chair sides
- Holder for IV pole on one side
- Utility basket underneath
- Tilting paddles at back, push handle
- Foldable foot rest of round stainless steel pipe
- Electrostatic epoxy powder coated steel finish
- Or Equivalent

Rs 12500/- Each

INDIAN COOPERATION
 International Auto Parts Market
 No. 20/20/1, Phase 2, Sakinaka, Kanpur
 Call: # 8300-2307696

Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 09

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Officer Table	Qty	12
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Specifications:

- Sheesham wood frame with lamination top in heavy duty finish
- Three drawers on one side with handles, locks and sliding on imported rails in full extension
- High quality matt finish wood lacquer polish in light oak veneer shade
- Dimensions: L 42" x W 24" x H 26"

[Handwritten signatures]

- Or Equivalent

Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 10

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Qty	
Revolving Chair	1	

Revolving Chair

Specifications:

- Medium back with arm rests revolving chair
- Moulded P U Foam
- Seat: 20" x 18"
- Fabric upholstered seat & back cushions
- High quality gas spring lift for height adjustment
- Mobile on imported five legged wide nylon base with 2" twin castors
- Preferably Master or Chairister
- Or Equivalent

Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 11

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Qty	
Office Visitor Chair	28	

Specifications:

- Made of high quality 'Talli' wood without cracks, knots and SAP wood
- Standard design with arm rests
- Back with three 3" strips
- Seat with Rexene or heavy duty fabric upholstery
- High quality matt finish wood lacquer polish in light oak veneer shade
- Dimensions: 22" x 20" x 36"
- Or Equivalent

Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 12

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	File Cabinet	Qty	10
<u>Specifications:</u>		<i>Rs 14500/- Each</i>	
<ul style="list-style-type: none"> - Dimensions: 53" x 18" - Made of 20 SWG Galvanized steel sheet - Three drawer with full extension ball bearing railings - Single all drawer key-lock system - High quality textured finish DECO paint - Or Equivalent 			
<u>Certifications:</u>			
ISO			
<u>Make:</u>			
Local Export Quality or Equivalent			

ITEM NO. 13

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	Steel Almirah	Qty	10
<u>Specifications:</u>		<i>Rs 16000/- Each</i>	
<ul style="list-style-type: none"> - Dimensions: 72" x 36" x 18" - Made of 20 SWG Galvanized steel sheet - Four shelves of steel sheet - Double door with durable lock - High quality textured finish DECO paint - Or Equivalent 			
<u>Certifications:</u>			
ISO			
<u>Make:</u>			
Local Export Quality or Equivalent			

ITEM NO. 14

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	Waiting Area Bench(Cold Rolled Steel)	Qty	100
<u>Specifications:</u>		<i>Rs 9500/- Each</i>	
<ul style="list-style-type: none"> - Dimensions: 70" x 26" x 31" - Seat made of perforated cold-rolled steel sheet with powder coating finish 			

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KHALID ENTERPRISES
 215, International Auto Park, Malviya
 Gurgaon Road, Plaza Square, Gurgaon
 Tel: # 0300-2807695

Hooks for urine bag and NG bag at each side of the bed
 Holder sockets for IV pole at diagonal ends of the bed
 Folding patient safety side rails (imported) with lock each side of the bed
 Mobile on four imported 5" castors (European standard), two with swivel-type lock at diagonal end
 Working load capacity: 125 Kg
 Electrostatic epoxy powder coated finish
 OR Equivalent
Accessories:
 1) MATTRESS WITH REXENE COVER
 Dimensions: 78" x 36" x 4"
 Foam mattress with Rexene cover fitted with zip
 Manufacturer's warranty of 10 years or more
 Preferably Master or Diamond
Certifications:
 ISO
Make:
 Local Export Quality or Equivalent

ITEM NO. 17

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	SOFA SET	Qty	02
Specification:			
Frame made of seasoned 'Talli' wood			
Fabric or Rexene upholstered seat and back cushion			
Seat foam size of 22" x 22" x 4"			
Foam preferably of Master or Diamond			
OR Equivalent			
<u>Certifications:</u>			
ISO			
<u>Make:</u>			
Local Export Quality or Equivalent			

ITEM NO. 18

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	CENTRAL TABLE SET	Qty	02
Sheesham wood frame with high gloss laminated board top			
High quality matt finish wood lacquer polish in light oak veneer shade			
OR Equivalent			

Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 19

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	FILE RACK	Qty	05
<p>Stable front frame structure made of 20G MS. Central locking system. Anti-Tilt mechanism. Each drawer shall be suitable for legal size files and documents. Each drawer shall have 2 steel adjustable divider for hanging files. Standard drawer loading capacity 30-40Kg. Exterior finished with hammer color. OR Equivalent <u>Certifications:</u> ISO <u>Make:</u> Local Export Quality or Equivalent</p>			

ITEM NO. 01

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	Revolving Stool SS Top	Qty	12
Revolving Stool SS Top			
<u>Specifications:</u>			Rs 5400/- Each
<ul style="list-style-type: none"> - Revolving patient examination stool - Top made of moulded stainless steel sheet - Central 1 1/4" MS round pipe with screw mechanism - Legs made of 1" MS round pipe fitted together by 3/8" MS round pipe for stability and strength - Rubber boot on feet for floor grip - Electrostatic epoxy powder coated paint finish - Or Equivalent 			
<u>Certifications:</u>			
ISO			
<u>Make:</u>			
Local Export Quality or Equivalent			

ITEM NO. 02

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	Ward Screen, 3 Folds	Qty	10
Ward Screen, 3 Folds			
<u>Specifications:</u>			Rs. 14000/- Each
<ul style="list-style-type: none"> - Dimensions: 96" x 61" (W x H) - Frame in three panels for screening patient properly - Made from 18SWG MS tubular pipe 1" diameter - Frames fixed together with ABS universal joints, easily movable - Polyester curtains fitted on steel pipe rods - Mobile on six imported 2" castors - Electrostatic epoxy powder coated steel finish - Or Equivalent 			
<u>Certifications:</u>			
ISO			
<u>Make:</u>			
Local Export Quality or Equivalent			

ITEM NO. 03

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	Bed Side Cabinet	Qty	12
Bed Side Cabinet			
<u>Specifications:</u>			Rs 14000/-
<ul style="list-style-type: none"> - Cabinet made of 1mm thick Galvanized steel sheet 			



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HIND CO-OPERATION
 International Plaza Paris Market
 2nd, Plaza Square, Karachi
 399-2807698

- Top of PVC material with three sides raised edges
- Drawer 3" depth having sheet inbuilt handle with full extension ball bearing raling
- Cabinet door having sheet inbuilt handle and magnetic strip with firm grip
- Recessed shelf, removable
- Mobile on four imported 2" twin castors
- Electrostatic epoxy powder coated finish
- Or Equivalent

Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 04

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Over Bed Table	Qty	12
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Specifications:

- Frame dimension 27" x 17"
- Stable frame made of 16SWG 1" x 2" MS tubular pipe
- Top of laminated melamine board 32" x 15" with sides dressed with PVC lining
- Telescopic height adjustment from 31" to 45" with tightening of screw knob
- Adjustable column of tubular stainless steel pipe
- Mobile on four imported 2" twin castors
- Electrostatic epoxy powder coated finish
- Or Equivalent

Rs 9300/- Each

Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 05

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Patient Attendant Bench	Qty	50
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Specifications:

- Dimensions: 72" x 24" x 16"
- Structure made from 16SWG MS pipe
- Round MS pipe bows at both ends
- Upholstered with high quality 1" foam and rexene
- All legs base fitted with PVC plug for floor protection
- Electrostatic epoxy powder coated paint finish

Rs 13400/- Each

INDIA CORPORATION
 102, National Auto Parts Market,
 110029, Connaught Place, New Delhi
 Contact: # 011-26107696

A

- Or Equivalent

Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 06

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Qty	
Drip Stand SS	10	

Specifications:

- Outer 16SWG stainless steel pipe
- Stainless steel telescopic inner rod
- Four Stainless steel hooks
- Spring loaded for drop safety
- Stainless Steel base mobile on 5 wheels
- Or Equivalent

Rs 11400/- Each

Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 07

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Qty	
Hi-Low Stretcher Trolley	02	

Specifications:

- Dimensions: 75" x 26"
- Frame made of 16SWG MS pipe
- Removable stretcher top with washable rexene cover and Velcro straps
- Removable pillow with stretcher top
- Height adjustment from 21" to 36" from floor using acme screw crank
- Rubber bumper on all sides for protection
- Utility basket in base trolley
- IV pole holder at diagonal end
- Patient safety side guards of stainless steel pipe which is slidable up and down
- Mobile on four 8" rubber castors (diagonal brakable)
- Electrostatic epoxy powder coated steel finish
- Or Equivalent

Rs 52800/- Each

Accessories:

- 1) IV Transfusion Pole

1110 GATEWAY (1110)
International Plaza, Park Road, Karachi
Phone: 37330000, 37330001
Fax: 37330002, 37330003

2 hooks with inner chromed steel pipe
 Height adjustment by tight screw
 Outer MS pipe epoxy powder coated
 Or Equivalent

Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 08

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Wheel Chair Fixed	Qty	30
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Specifications:

- Dimensions: 32" x 28" x 20"
- Main frame constructed from 16SWG MS round pipe
- Seat and back upholstered with foam & rexene
- Arm rest of plastic
- Rear wheel of 8" non-swivel type
- Front wheel of 5" swivel type
- Rubber bumpers on chair sides
- Holder for IV pole on one side
- Utility basket underneath
- Tilting paddles at back, push handle
- Foldable foot rest of round stainless steel pipe
- Electrostatic epoxy powder coated steel finish
- Or Equivalent

Rc 12500.00 each

110 DE 33 41100
 Wheel Chair Auto Frame Manufacturer
 2049 H. Plaza Square, Karachi
 Cell: # 9999-2007690

Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 09

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Officer Table	Qty	12
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Specifications:

- Sheesham wood frame with lamination top in heavy duty finish
- Three drawers on one side with handles, locks and sliding on imported rails in full extension
- High quality matt finish wood lacquer polish in light oak veneer shade
- Dimensions: L 42" x W 24" x H 26"

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- Or Equivalent

Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 10

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Revolving Chair	Qty	1
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Revolving Chair

Specifications:

- Medium back with arm rests revolving chair
- Moulded P U Foam
- Seat: 20" x 18"
- Fabric upholstered seat & back cushions
- High quality gas spring lift for height adjustment
- Mobile on imported five legged wide nylon base with 2" twin castors
- Preferably Master or Chairister
- Or Equivalent

Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 11

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Office Visitor Chair	Qty	28
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Specifications:

- Made of high quality 'Talli' wood without cracks, knots and SAP wood
- Standard design with arm rests
- Back with three 3" strips
- Seat with Rexene or heavy duty fabric upholstery
- High quality matt finish wood lacquer polish in light oak veneer shade
- Dimensions: 22" x 20" x 36"
- Or Equivalent

Certifications:

ISO

Make:

Local Export Quality or Equivalent



ITEM NO. 12

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Qty	10
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File Cabinet

Specifications:

- Dimensions: 53" x 18"
- Made of 20 SWG Galvanized steel sheet
- Three drawer with full extension ball bearing railings
- Single all drawer key-lock system
- High quality textured finish DECO paint
- Or Equivalent

Rs 14500/- Each

Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 13

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Qty	10
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Steel Almirah

Specifications:

- Dimensions: 72" x 36" x 18"
- Made of 20 SWG Galvanized steel sheet
- Four shelves of steel sheet
- Double door with durable lock
- High quality textured finish DECO paint
- Or Equivalent

Rs 16000/- Each

Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 14

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	Qty	100
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Waiting Area Bench(Cold Rolled Steel)

Specifications:

- Dimensions: 70" x 26" x 31"
- Seat made of perforated cold-rolled steel sheet with powder coating finish

Rs 9500/- Each

KHAWAJA CORPORATION
 215 International Trade Park, Market,
 1st Floor, Plaza Srinagar, Jammu
 -11: # 0350-2607696

R

24

Hooks for urine bag and NG bag at each side of the bed
 Holder sockets for IV pole at diagonal ends of the bed
 Folding patient safety side rails (imported) with lock each side of the bed
 Mobile on four imported 5" castors (European standard), two with swivel-type lock at diagonal end
 Working load capacity: 125 Kg
 Electrostatic epoxy powder coated finish
 OR Equivalent
Accessories:
 1) MATTRESS WITH REXENE COVER
 Dimensions: 78" x 36" x 4"
 Foam mattress with Rexene cover fitted with zip
 Manufacturer's warranty of 10 years or more
 Preferably Master or Diamond
Certifications:
 ISO
Make:
 Local Export Quality or Equivalent

ITEM NO. 17

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

SOFA SET	Qty	02
<p>Specification: Frame made of seasoned 'Talli' wood Fabric or Rexene upholstered seat and back cushion Seat foam size of 22" x 22" x 4" Foam preferably of Master or Diamond OR Equivalent <u>Certifications:</u> ISO <u>Make:</u> Local Export Quality or Equivalent</p>		

ITEM NO. 18

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

CENTRAL TABLE SET	Qty	02
<p>Sheesham wood frame with high gloss laminated board top High quality matt finish wood lacquer polish in light oak veneer shade OR Equivalent</p>		

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Certifications:

ISO

Make:

Local Export Quality or Equivalent

ITEM NO. 19

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	FILE RACK	Qty	05
<p>Stable front frame structure made of 20G MS. Central locking system. Anti-Tilt mechanism. Each drawer shall be suitable for legal size files and documents. Each drawer shall have 2 steel adjustable divider for hanging files. Standard drawer loading capacity 30-40Kg. Exterior finished with hammer color. OR Equivalent <u>Certifications:</u> ISO <u>Make:</u> Local Export Quality or Equivalent</p>			



Technical Specification

- Tidal volume : 5 – 3000 ml
- Respiratory rate : 1 – 150 bpm
- Pressure control : 1 – 100 cmH2O
- Pressure support : 0 – 100 cmH2O
- Peak flow (mandatory) : 1 – 120 lpm
- Peak flow (spontaneous) : Up to 180 lpm
- Peak flow (Turbine Output) : Up to 300 l/min
- Inspiratory Times : 0.1 – 10.0 sec
- Oxygen concentration : 21 – 100%

Monitored / Displayed Data

- Delivered oxygen concentrations: 21 – 100%
- Trend Data : (1 – 72 hrs.) (31 trend parameters).
- Monitoring Data : (36 monitored parameters):
- Graphics Display : (2-Loops and 3-Waveforms).
- Apnea Back-up.

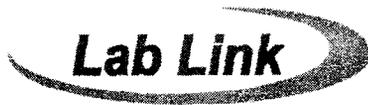
Real Time Graphics

- Volume + Time
- Flow + Time
- Pressure + Time
- Flow & Pressure Volume Loops

User Configurable Graphic User Interface (GUI) and Functions

- Multiple Easy View Tabs.
(Main, Settings, Monitoring, Alarms, Configuration).
- Graphics Display (2-Loops and 3-Waveforms).
- Apnea Back-up.
User-selected breath type and settings.
- Humidification Selection (HME, Humidifier, and None).

RS.
USD2786500/-
22000/-DDP
C&FTwenty seven lac eighty six thousand five hundred only
TWENTY TWO THOUSAND



Lab Link Enterprises

SUB:

FINANCIAL OFFER Quotation for Medical Equipment

Dear Sir,

In response of your enquiry, we are pleased to offer you our TECHNICAL BID

S.NO.	DESCRIPTION	QTY.	UNIT PRICE
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Item no. 02:-

Bed Side Patient Monitor

Model: 780Plus

Make: Luetech – USA

- **SIZE AND WEIGHT**
- Size 366mm X 330mm X 162mm
- Weight 5 kg
- **DISPLAY**
- 15" Color TOUCH TFT-LCD
- Resolution 1024 X 768 pixels or higher
- **POWER SUPPLY**
- Power Voltage AC 100-240V 50/60Hz
- Power Input \leq 85VA
- Fuse: T1.6AL/250V, Φ 5X20 (mm)
- Safety class: Category I
- **BATTERY**
- Type: rechargeable Lithium battery
- Charge time: \leq 6 hours
- Operating time under normal use and full charge:
- \geq 120 minutes
- **THERMAL RECORD (OPTION)**
- Method: thermal dot array
- Paper width: 50mm (1.97 in)
- Paper Speed: 12.5/25/50 (mm/sec)
- Traces Maximum: 3 tracks
- **SYSTEM OUTPUT**
- Ethernet Network standard RJ45 socket

Head Office: Bungalow No 225/1F Block 2, P.E.C.H.S Karachi Ph: +92-213-2361289

Branch Office 1: M-1 Ammeer Tarrace Near Civil Hospital, Hyderabad. Tel:022-2612757, Fax:022-2635136, E-mail:llehyd@hotmail.com

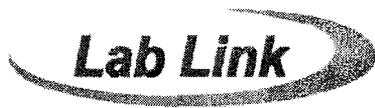
Branch Office-2: Near Al-Habib Hotel New Bhutta, Road Sukkur. Tel:071-5614466, E-mail:llesukkur@yahoo.com

- RF Wireless LAN: 433MHz, 10mW (option)
- Nurse call output
- Defibrillation Output: Option
- Video Output: Option
- **ALARM**
- Three Level: Low, medium and high
- Indication: Auditory and visual
- Setup: Default and custom
- Silence: All alarms can be silenced
- Volume: 45~85 dB measured at 1 meter
- **TREND**
- Store & review 168 hours trend data and trend maps
- Parameter option: HR, SpO2, NIBP, PR, Resp, CO2, Temp1, Temp2, AA, N2O, O2, IBP1, IBP2, ST, C.I..
- Cycle intervals of trend storage 1min, 2min, 3min, 4min, 5min, 10min, 15min, 20min, 25min, 30min.
- **STORE & REVIEWING**
- ECG: 30 minutes one important lead's ECG waveform
- Alarm: 1800 groups Alarm events reviewing
- NIBP: 1000 groups NIBP measurement
- Arrhythmia: 128 groups data (8 seconds ECG waveform)
- Power-off storage: 72 hours trend data & 1 ECG wave form (option)
- **ENVIRONMENT**
- Working temperature: 0~+40°C
- Transportation and storage temperature: 20~+55°C
- Relative humidity: Working ≤ 85%
- Transportation and storage ≤93%
- Atmospheric pressure: Working 860~1060 hPa
- Transportation and storage 500~1060 hPa
- **STANDARD CONFIGURATION:**
- ECG, HR, RESP, NIBP, SpO2, PR, 2-TEMP, Lithium Battery
- **OPTION:**
- 2-IBP, Recorder, EtCO2 (side stream, main stream), Anesthetic Gas, Nellcor
- SpO2, ICG, SD memory card

- **ECG**
- Mode: 5-leads (standard); 3-leads
- Lead selection: I, II, III, aVR, aVL, aVF, V1~V6 (option)
- Gain: AUTO, 0.25x, 0.5x, 1.0x, 2.0x, 4.0x



Signature



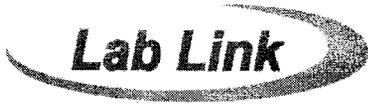
Lab Link Enterprises

- Insulation Breakdown Voltage 4000VAC 50/60Hz
- Sweep speed 12.5mm/s, 25mm/s, 50mm/s
- HR Range: 10~350 bpm
- HR Accuracy $\pm 1\%$ or ± 1 bpm, whichever is greater
- **ST SEGMENT**
- Measurement Range – 2.0mV~2.0mV
- Resolution 0.01mV
- **RESP**
- Method: Impedance variation between RA-LL (R-F)
- Measurement Range: 0~150 rpm
- Accuracy: ± 2 rpm
- Gain: x1, x2, x4
- Sweep speed 6.25mm/s, 12.5mm/s, 25mm/s
- **TEMP**
- Measurement Range: 0~50.0°C
- Unit: Celsius (°C), Fahrenheit (°F)
- Accuracy: $\pm 0.1^\circ\text{C}$ (exclusive of probe)
- Connecting cable: Compatible with YSI-400
- SpO2
- Measurement Range 0~100%
- Accuracy 70~100%, $\pm 2\%$
- 0~69%, unspecified
- PR Range 25~250 bpm
- PR Accuracy $\pm 1\%$ or ± 1 bpm, whichever is greater
- **NIBP**
- Technique: Automatic oscillometry
- Range: Adult: 10~270 mmHg
- Child: 10~235 mmHg
- Neonate: 10~135 mmHg
- Accuracy: Static $\pm 2\%$ or ± 3 mmHg, whichever is greater
- Unit: mmHg, kPa
- Pulse rate range: 40~240 bpm
- Intervals for AUTO measurement: 1,2,3,4,5,10,15,20,30,45,60,90
- minutes 2,4,8 hours
- **IBP (OPTION)**
- Channel: 2
- Measurement Range: -50~ +300 mmHg
- Unit: mmHg, kPa
- Accuracy: ± 2 mmHg or 2%, whichever is greater

Head Office: Bungalow No 225/1F Block 2, P.E.C.H.S Karachi Ph: +92-213-2361289

Branch Office 1: M-1 Ammeer Terrace Near Civil Hospital, Hyderabad. Tel:022-2612757, Fax:022-2635136, E-mail:llehyd@hotmail.com

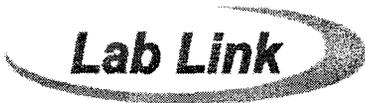
Branch Office 2: Near A.L.Habib Hotel New Bhittha Road Sukkur Tel:071-5614466 E-mail:llesukkur@ushoo.com



Lab Link Enterprises

- EtCO₂ (OPTION, Sidestream, LoFlo)
- Range 0~19.7% (0 ~ 150 mmHg)
- Unit: %, mmHg, kPa
- Respiration Rate Range 2~150 bpm

RS.	515000.00	DDP	Five lac fifteen thousand only
USD	4100.00	C&F	FOUR THOUSAND ONE HUNDRED ONLY



Lab Link Enterprises

SUB:

FINANCIAL OFFER Quotation for Medical Equipment

Dear Sir,

In response of your enquiry, we are pleased to offer you our TECHNICAL BID

S.NO.	DESCRIPTION	QTY.	UNIT PRICE
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Item no. 03:-

Blood Gas Analyzer

Model: OPCCA_TS

Make: USA

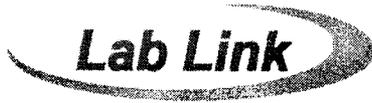
- Display: 5.4 ; LCD-display, illuminated, 15-lines, 30 characters
- Measured Parameters: pCO₂ , pO₂ , K⁺ , Na⁺ , Li⁺ , Cl⁻ , Ca⁺⁺, pH, Glu,
- Lac, tHb, barometric pressure
- Calculated Parameters: HCO₃⁻-A, HCO₃⁻-S, BE, BE_{ecf} (SBE), TCO₂ , BB,
- O₂ sat, O₂ CT, P50, AaDO₂ , Hct, H⁺ , AGAP, SHUNT, Acid-Base Status
- Throughput: Up to 80 tests/hour depending on configuration
- Sampling Method: Aspiration system adapted for both capillary and syringes,
- cleaned with Rinse Solution automatically
- Sample Volume: 50-200 µl depending on measured parameters
- Sample Types: Whole Blood, Arterial Blood, Urine, Serum,
- Plasma, Respiration Gas
- Calibration: 2-Point calibration in standard and economy modes suited to
- your working hours.
- Measurement Temperature of Electrodes and Sensors: Electrodes and Sensor
- temperature automatically adjusted to 37.0°C ± 0.2 during measurements.
- Data Capacity: 2 GB SD Card, 32000 measurements and QC data sets

RS. 1880000.00 DDP Eighteen lac eighty thousand only
USD 13000.00 C&F THIRTEEN THOUSAND ONLY

Head Office: Bungalow No 225/1F Block 2, P.E.C.H.S Karachi Ph: +92-213-2361289

Branch Office 1: M-1 Ammeer Tarrace Near Civil Hospital, Hyderabad. Tel:022-2612757, Fax:022-2635136, E-mail:llehyd@hotmail.com

Branch Office-2: Near Al-Habib Hotel New Bhutta, Road Sukkur. Tel:071-5614466 E-mail:lleekkur@yahoo.com



Lab Link Enterprises

SUB:

FINANCIAL OFFER Quotation for Medical Equipment

Dear Sir,

In response of your enquiry, we are pleased to offer you our **TECHNICAL BID**

S.NO.	DESCRIPTION	QTY.	UNIT PRICE
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Item no. 09:-

OT TABLE FOR GYNE AND UROLOGY

Model: T-800

Make: AMTAI USA

- Radiolucent table top with tilting.
- Two Built-in X-ray Cassette Channels
- Table length 2165mm
- Table width 510 mm with rails.
- Table Height (min) 695 mm to (max) 1050 mm
- Lateral tilt - 20 / +20 degree or more
- Trendelenburg-25/+30° maximum from horizontal
- Reverse Trendelenburg 25° maximum from horizontal
- Back rest adjustment up 80°/+12° max
- Leg plate adjustment up 10°/100°/90° maximum.
- Flex / Reflex 195°/100°
- Sliding Table Top Upto 310mm
- Auto Leveling
- Spread of split leg plates 90 degree.
- Manual Head plate adjustment -90 / +90 degree.
- Patient Weight capacity 200kg or more.
- Central Break
- Kidney Bridge 130mm height
- Manual Over Ride
- Complete with : Anesthesia Screen, Arm Boards ,lithotomy pole, drain pen, Basic Straps , Safety Clark Sockets

RS. 4080000.00 DDP Forty lac eighty thousand only
USD 33000.00 C&F THIRTY THREE THOUSAND ONLY

Head Office: Bungalow No 225/1F Block 2, P.E.C.H.S Karachi Ph: +92-213-2361289

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S.NO.	DESCRIPTION	QTY.	UNIT PRICE
-------	-------------	------	------------

Item no. 13:-

AUTOCLAVE B CLASS

Model: T-24

Make: TUTTNAURE-EUROPE

- Smart with multi safety protection Functions
- Built-in printer
- 24Litre7. Six-procedure and Automatic process
- Integrated Self-contained Steam Generator (Better Steam Infusion)
- Six-procedure and Automatic process
- Intelligent Vacuum Drying
- Double water pumps
- Double condensers
- Double fans,
- Detachable Rear Panel

RS.	945000.00	DDP	Nine lac forty five thousand only
USD	7500.00	C&F	SEVEN THOUSAND FIVE HUNDRED ONLY

Head Office: Bungalow No 225/1F Block 2, P.E.C.H.S Karachi Ph: +92-213-2361289

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Branch Office-2: Near Al-Habib Hotel New Bhutta. Road Sukkur. Tel:071-5614466. E-mail:llesukkur@vahoo.com

**Lab Link****Lab Link Enterprises**

SUB:

FINANCIAL OFFER**Quotation for Medical Equipment**

Dear Sir,

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S.NO.	DESCRIPTION	QTY.	UNIT PRICE
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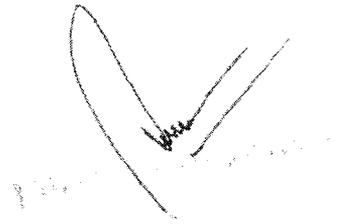
Item no. 21:-**CTG MACHINE**

Model: ULTRA-CTG

Make: ULTRASOUND TECHNOLOGIES UK

- Large high resolution color TFT foldable screen 10.4"
- Advanced SpO2 module with equivalent performance
- Large storage capacity
- Basic parameters: FHR, TOCO, AFM, MHR, NIBP, SPO2
- Real time measurement and identification
- Provide convenience and reliability during antepartum.
- 18 hours CTG storage, fast review and print
- Unique design for cable of transducers to avoid intertwinning
- Alarm system: time-over alarm, non-paper alarm, out of range FHR alarm
- Automatically adjustable many kinds of 112mm thermal paper with different specifications
- Wire or wireless connect to central monitoring system
- Low acoustic power, safer to the fetus

RS.	1775000.00	DDP	Seventeen Lac seventy five thousand only
USD	14000.00	C&F	FOURTEN THOUSAND ONLY



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Branch Office 2: M-1 Ammeer Tarrace Near Civil Hospital, Hyderabad.

Item No. 36:-**EEG Polygraphic Machine – 34 Channel****Model: NEUROWERK****Make: Sigma-Germany****Features:**

- Management of reported and unreported examinations for different users.
- Data base with patient and examination related information.
- Archive inspector (automatic invitation for archiving).
- Automatic archiving of reported examinations on selectable data volumes.
- Backup for programs and data bases.

EEG / Polygraphy Recording Software

- EEG and Polygraphy 34 channels.
- Straightforward operating by picture symbols (mouse) or PC keyboard
- Optical, graphical and numerical presentation of impedance measurement, can be operated also at the headbox
- Measurement of impedance at any time, storing of all measured impedance values
- Multi-Window technology for simultaneous recording/reviewing
- Network wide presentation of a running record (on-line review)
- Definition of 20 event markers and an unlimited number of comments
- Possibility of infliction of a WAVE file to each marker
- Automatic marking of photic stimulation (programmable)
- Automatic marking of hyperventilation (programmable)
- Input of print marker for subsequent EEG printout
- Automatic stop of recording after a defined recording time and transmission of a network message
- Programmable Macro for EEG recording
- Input of channel-specific comments
- Design and presentation of an unlimited number of EEG montages
- On-line setting of all recording parameters

EEG/Polygraphy Review Software

- Unitary for EEG, digital videometry and long-term EEG
- Straightforward operating by picture symbols (mouse) or PC keyboard
- Design and presentation of an unlimited number of EEG montages and presentation parameters
- Automatic switching of montages according to the recording montage
- Searching for markers, events, notes and time
- Input, shifting and editing of markers
- Automatic paging with variable speed, scroll function

- Presentation of date, time, start time and recording length
- Integrated customized and macro-supported report template
- Simultaneous paging in different records
- Synchronous real time scrolling or paging of video EEG's, high speed or picture wise
- Editable color of EEG and polygraphy traces
- Automatic EEG measuring function for amplitude and dominant frequency
- Zoom of EEG segments including measuring function for amplitude, frequency and time
- Dynamic amplitude mapping of selectable EEG segments
- Frequency analysis of selectable EEG segments
- Frequency mapping of selectable EEG segments and frequency bands
- Export for all numerical analysis results for extended statistical processing
- Import/Export function for different EEG formats.
- Export function for selectable EEG's including viewer software for EEG presentation and reviewing on each PC
- Storing of all analysis segments for subsequent comparisons or re-analysis
- Editor for long-term and video EEG's and storing of edited EEG and video clips.
- Printout of selectable EEG segments, analysis segments and analysis results
- Integration of foreign analysis software by means of EDF data transfer

EEG HEADBOX

- Dynamic range: 0.5 μ V – 1 mV.
- Polygraphic channels (EOG, ECG, RESP, EMG, POS, MIC).
- Dynamic range polygraphic channels 0.8 μ V - 1.57 mV.
- Input impedance: > 20 MW.
- CMRR: > 100 dB.
- Noise: < 2 μ V pp.
- Lower cutoff frequency 0.2 Hz.
- Upper cutoff frequency 300 Hz.
- Sampling rate 2048/channel.
- Sampling resolution 16 Bit (ADC).
- Transmission rate (selectable) 128, 256, 512 Samples/s.
- Transmission sensitivity (selectable) 30.5 nV/Bit (128 Samples), 61nV/Bit (256 Samples).
- Transmission protocol TCP/IP, optically decoupled LAN adapter.
- Transmission velocity 10 Mbit.
- Power consumption < 1 W.

- Integrated impedance measurement with LED display.
- Mobile stand for EEG headbox.

LED PHOTIC STIMULATOR

- Power supply: 12 V Power
- Consumption: 50 VA
- Trigger input Optic, 1 ms, TTL optional
- Max. flash frequency: 60 Hz
- Controlled by EEG recording software
- User-defined stimulation programs Unlimited number of programs
- Start/Pause/Stop of stimulation by function key

EEG video

- Digital videometry monitoring.
- Video: Digital synchronized recording (MPEG 1, 2 or 4 format) with zoom function during evaluation.
- Camera: Daylight (color) or night camera (b/w) with integrated IR light, auto zoom, pan/tilt, remote control, mic, audio amplifier.

WORKSTATION

EEG/polygraphy recording, reviewing, archiving and data backup.

Hardware

- Processor Min. 2 GHz or more
- 1 GB SD-RAM or more
- Hard Disk 160 GB or more
- Graphic board Onboard
- Monitor 23" TFT or more
- Network adapter transmission rate onboard, TP/B, 10/100 Mbit
- Backup drive DVD/CD RW
- OS WINDOWS 7 or better.

RS. 3865000.00 DDP Thirty eight lac sixty five thousand only
EURO 25500.00 C&F TWENTY FIVE THOUSAND FIVE HUNDRED



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Item No. 37:-**EMG Machine – 4 Channel****Model: NEUROWERK****Make: Sigma-Germany****Features:**

- Pre-configured EMG Unit with accessories kit.
- PC based system with Windows operating system and inbuilt patient centric database.
- Latest EMG/NCS/EP acquisition and review software.
- Both predefined and user configurable test protocols.
- Flexible report generation.
- Software guidance for electrode positioning.
- Storage to EMG with full acquisition resolution.
- Archival recorded exams/reports CD/DVD.
- Printing of reports on heavy duty laser printer.
- Ether LAN connectivity and Export of the report.

Nerve Conduction Study

- Motor Nerve Conduction Study
- Sensory Nerve Conduction Study
- Repetitive Stimulation
- F-wave
- H Reflex
- Blink Reflex
- Single Muscle Fiber Test

Somatosensory Evoked Potential

- SEP (Somatosensory Evoked Potential)
- SSEP (Short Latency SEP)

Visual Evoked Potentials

- Stimulation type: Checkerboard, pattern flash, onset/offset, Picture stimulation, visual P300)
- Pattern: Checkerboard, vertical and horizontal stripes, pictures; variable size
- Stimulation field: Full, half, quarter field
- Fixation point: different fixation points, colored bitmaps, variable position
- Pattern color: black white, 16 grey steps
- Monitor: 17" TFT monitor
- LED goggle: left, right, both eyes stimulation

Auditory Evoked Potentials

- Stimulation type: Klick, Klick-Klack, Tone pips of all relevant frequencies

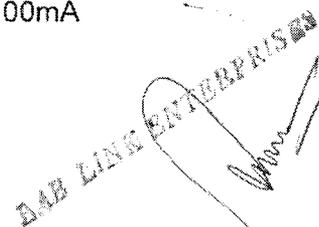
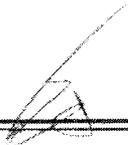
- Stimulation frequency: manual, 1 - 100/s in dependence of the examination
- Sound pressure: 0 - 124 dB SPL, in 1 db steps
- Stimulation duration: 50 μ s – 1 ms; in 50 μ s steps
- Stimulation polarity: Condensation, rarefaction, alternating
- Overlapping: White noise with adjustable intensity
- Parameter setting: With keyboard, mouse and remote control.

Electrical Stimulator:

- Numbers: 1 integrated electrical stimulator.
- Stimulation current: 0 – 100 mA; in 1 mA steps
- Stimulation duration: 50 μ s – 1 ms; in 50 μ s steps
- Stimulation type: Single, Double, Train
- Stimulation frequency: manual, 0.1 - 100/s in dependence of the examination program
- Parameter setting: Keyboard, Mouse and Remote Control.
- Display: Display of stimulation current, stimulation puls width and stimulation type on screen

Amplifier

- No. of channels : 4
- Power requirement : 220V, 50Hz, and 22watt or better
- Input impedance : >100 MOhm
- CMRR : >100dB
- AC interference Notch filter : 50 or 60 Hz
- Noise level : <1 μ V or better
- Low-frequency limit : <8mHz
- High-frequency limit : 20kHz
- Skin electrode contact impedance check : 2, 5, 10, 20, 50 k Ω .
- A/D converter : 24 bits or better
- Constant Current Electrical Stimulator : Stim Current, 0- 100mA
- Stim Voltage : 400V
- Stim Duration : 50us – 1ms
- Stim types : single, pair, train



Amplifier:

- Sampling rate : 50 kHz/channel
- ADC : 24 bit
- Resolution : 10 nV/d
- Channel : 4
- Max. Input voltage : 25 mV
- Noise : < 1 μ V pp @ 2 Hz–10 kHz, shorted input
- Input impedance : > 110 MOhm
- CMRR : > 110 dB
- Lower cutoff frequency : 0.02 Hz - 1000 Hz in 15 steps 0.02, 0.05, 0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50, 100, 200, 500, 1000 Hz ; 6 dB/Oktave
- Upper cutoff frequency : 20 Hz - 15 kHz in 11 steps (20, 50, 100, 200, 500 Hz, 1, 2, 3, 5, 10, 15 kHz); 6 dB/Oktave
- Notch filter : 50/60 Hz.
- Temperature measurement : 20-40 °C, with temperature probe.
- Impedance measurement : 0-100 kOhm @ 10 Hz in 0,1 kOhm steps

Standard accessories:

- Concentric needles electrode 20mm.
- Concentric needles electrode 50mm.
- Bi-polar needle electrode.
- Extension cable for concentric needle electrode.
- Extension cable for bi-polar needle electrode.
- NCS extension cable.
- NCS disposable electrode.
- Ground electrode.
- Finger electrode.
- Surface stimulation electrode.
- Headphones for Auditory Stimulation
- Conductive paste.
- Abrasive cream.

RS. 4450000.00 DDP Forty four lac fifty thousand only
EURO 29000.00 C&F TWENTY NINE THOUSAND



ITEM # 53 INSTRUMENTS FOR VARIOUS DEPARTMENTS

S.NO	DESCRIPTION	REQUIRED QUANTITY	Manufacture	price
1	Air Drill	2	China	6,500.00
2	Artry forceps artry forceps	4	Pakistan	750.00
3	Bone Cutter	16	China	15,000.00
4	Bone Cutter Double Action	2	China	35,000.00
5	Bone elevator	6	China	45,000.00
6	Bone files	8	China	
7	Bone Holding forceps Diff: Sizes (small, Medium and large)	2 each	China	
8	Bone Holding forceps larges	4	Pakistan	1,500.00
9	Bone Holding forceps Medium	4	Pakistan	1,800.00
10	Bone Holding forceps Small	4	Pakistan	2,400.00
11	Bone Nibbler Double Action Diff: Sizes (small & large)	1 each	China	
12	Bone Nibbler Large	6	China	
13	Bone Nibbler Medium	6	China	
14	Bone Nibbler Small	6	China	
15	B'P Appratus stand	4 nos	europa	15,500.00
16	Brain Retractor system (Laila retractor)	1	China	
17	Butterfly probe	10 nos	China	
18	Cannulated Screw set	1	China	
19	Cassette (11 x4)		China	
20	Cassette Fuji (14 x 17)		China	
	(10 x 12)		China	
			China	
21	Cassette Fuji (14 x 17)		China	
	(8 x 12)		China	
			China	
22	complan straight Elevator	6	China	
23	continues flow sheath	1	China	
24	Craniotome set	2	Pakistan	
25	Cryer Elevators Left & right	6	Pakistan	
26	Depth Gauge 3.5	2	Pakistan	
27	Depth Gauge 4.5	2	Pakistan	
28	DHS /DCS set	2	China	
29	Drill Bits 2.7, 3.2, 3.5, 4.5 mm	2 each	China	
30	Drill Guide 3.5	2	China	

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31	Drill Guide 4.5	2	China	
32	Drips rack hot	5	USA	
33	Drum for sterillization	5	Pakistan	
34	Electric Drill	1	China	
35	Electric Drill Machine	2	China	
36	Ellis tissue forceps	24 nos	Pakistan	
37	Examination instruments	6 set	Pakistan	
38	Filling instruments	6 set	Pakistan	
39	Flexible fiberoptic Bronchoscope	1	China	
			China	
	forceps	2		
	grasping forcep			
	flexible for cystoscope	2		
	Bopsy forcep for cystoscope	2		
40	Gasping forcep for cystoscope			
41	Forceps for laparoscopy	2	China	
42	Fundo scope	1	China	
43	General Set Instruments	2	China	
44	Glucometer	1	Germany	5,000.00
45	half sheath	1	China	
46	Hambeez Knife set	2	China	
47	Hammer	1	China	
48	Harmonic	2	China	
49	High speed Neurosurgical Drill (Most urgent)	1	China	
50	Hoffman Retractor large	4	China	
51	Hoffman Retractor Medium	4	China	
52	Hoffman Retractor small	4	China	
53	Hoffmann's bone retractor (Elevators) Size:(small and large)	2 each	China	
54	inner sheath	1	China	
55	Instrument trolley with cover	10 nos	China	
56	Interlocking set	2	China	
57	K Nail Extractor	4	China	
58	K Nail Remar Set	1	China	
59	Konica (8 x 10)		China	
60	Lab coli surgical set	1 nos	China	
61	Laminectomy set	2	China	
62	Semi Automatic Chemistry analyzer	1 Unit	Merck Microlab 300	650,000.00

63	Ligasure	1 piece		
64	Lower crown forceps	6	Pakistan	
65	lower root forceps	6	Pakistan	
66	Mayfield head clamp	1	Pakistan	
67	Mayo trolley's	10 nos	Pakistan	
68	Megil Forceps	4 nos	Pakistan	
69	Mesogun		Pakistan	
70	Mobile BP Apperatus	1		
71	Mosquito Artery St	50 nos		
72	Narrow Band UVB (For whole body)			
73	Narrow Band UVB (Hand held)			
74	NCS (Nerve conduction study) machine	1		
75	Needle holder ST 7	20 nos		
76	obturator	3		
77	Oscillating Saw	24		
78	Osteotome 6mm, 10mm	1 each		
79	Oxygen Alarm	1		
80	Oxygen Guage	7		
81	Patient trolley for endoscopy unit	4		
82	Periostal elevator	6		
83	Periosteum Elecvator	1		
84	Plate Holding Forceps Larges	4		
85	Plate Holding Forceps Medium	4		
86	Plate Holding Forceps Small	4		
87	Pneumatic tourniquet	1		
88	Reduction Forceps Pointed	1		
89	Resuscitation trolley	10		
90	scavanging system	1		
91	Scissors	2		
92	Screw Driver 3.5	6		
93	Screw Driver 4.5	6		
94	Set With monitor and trolley	1		
95	Small oxygen cylinder	5		
96	sponge holder	2		
97	Sponge holding FPST	20 nos		
98	SS Plauze	Range		
99	Stainless steel small bowl	20 nos		
100	Stapler Guns	1 piece		
101	Stapler Guns	1 piece		
102	Stature	4 nos		

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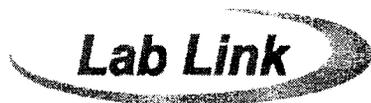
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103	Stethoscope	4 nos		
104	stone pumch			
105	surgical bowl big size	2		
106	Surgical scissor 6' Blunt tip	12 nos		
107	Suture cutting scissor	20 nos		
108	Tension Band Wire set	1		
109	T-Handle	4		
110	T-handle with auto chuk	1		
111	Tourniquet Set (Pneumatic)	4		
112	Tray large size	2		
113	Upper anterior Forceps	6		
114	Upper bynet forceps	6		
115	upper crown molar forceps left & right	6		
116	Upper G.I Endoscopy Machine	1		
117	upper universal premolar forceps	6		
118	UPS	Four UPS required		
119	Ureteroscope forceps	2		
	Grasping Flexible	2		
	Stone Dislodging			
	Forceps			
	Dormie Basket	2		
	Ureteric Dialator	2		
120	with baloon	1		
120	Ureteroscope	1		
	office 7.5 gradual	1		
	semi rigid	1		
	flexible			
121	Urethrotome			
122	Uro-flowmetry machine (UDN)	1		
123	Vaccume cleaner machine	2		
124	weight machine scale	2		
125	Wire Cutter	6		
126	Wire Passer	2		
127	Wire plier	2		
128	working element	2		
129	Xenon light source with cable	1		
130	X-ray machine Cassette	2		

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Lab Link Enterprises

SUB:

FINANCIAL OFFER Quotation for Medical Equipment

Dear Sir,

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S.NO.	DESCRIPTION	QTY.	UNIT PRICE
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Item no. 56:-

VITRECTOMY (VENTURY) BASE MACHINE

Model: ULTRAVIT

Make: ALCON – USA

- VITRECTOMY (VENTURI BASE) MACHINE (Combine Procedure Vitrectomy + Advance Torsional / Traditional Phaco System) Includes embedded Green Laser 532nm
- PERFORMANCE SPECIFICATIONS
- VITRECTOMY:
 - Modes: 3D, Momentary, PropVac, VitWet
 - Sub Modes; Core, 50/50, Shave
- Cut Rate:
 - UltraVit™ 5,000, 7,500 Probe: 001 to 7,500 cpm up to 10,000cpm
- PRESSURIZED INFUSION/IRRIGATION @SEA LEVEL:
 - Range: 0 to 120 mmHg
 - Accuracy: $\pm(2\%$ of set point +5 mmHg)
 - Flow Rate: 0 to 20 cc/min. for infusion (20 Ga)
 - 0 to 60 cc/min. for irrigation
 - Set point Transient: 500 ms maximum
- IOP CONTROLLED INFUSION:
 - Set point Range: 0-120 mmHg
 - Repeatability1: ± 2 mmHg
 - Set point Response Time: <500 ms (20 Ga)
 - Transient Disturbance
 - Response Time: <500 ms3
 - Flow Range: 0-20 cc/min
 - 1 BSS Dual chamber mode.
 - 2 BSS medium, 20 gauge high flow Cannula, steady state condition at rated flow range
 - 3 Transient conditions from no flow state to 10cc/min



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Branch Office-2: Near Al-Habib Hotel New Bhutta, Road Sukkur. Tel:071-5614466, E-mail:llesukkur@yahoo.com

- **ASPIRATION/SUCTION @SEA LEVEL:**
- Standard & Reduced
- Pressure Range: 0-650 mmHg Vacuum
- Minimal Pressure Range: 0-600 mmHg Vacuum
- Pressure Accuracy: \pm (2% of Set point +5 mmHg)
- Flow Range:
- Posterior Modalities: 0-20 cc/min
- Anterior Modalities: 0-60 cc/min
- Transient Response Time
- (Standard Pressure Range): From 0 to 400 mmHg @0 cc/min
- 1090% Rise Time: 300 msec max
- 9010% Fall Time: 300 msec max

- **VACUUM @ SEA LEVEL:**
- Vitrectomy: 0 to 650 mmHg
- Fragmentation: 0 to 650 mmHg
- Extrusion: 0 to 650 mmHg
- Extraction: 0 to 650 mmHg
- Irrigation/Aspiration: 0 to 650 mmHg
- Phacoemulsification: 0 to 650 mmHg

- **LOW PRESSURE AIR SOURCE (LPAS) @SEA LEVEL:**
- Pressure Range: 0 – 120 mmHg at rated flow
- Pressure Accuracy: \pm 3% of set point +3 mmHg
- Flow Rate: 1.2 slpm minimum at 120 mmHg

- **PERFORMANCE SPECIFICATIONS...continued**
- **DIATHERMY:**
- Frequency: 1.5 MHz \pm 10%.
- Proportional control.
- Wave shape: Sinusoidal
- Output power 10 Watts maximum at 100% setting
- with 75 \pm 10% ohm non-inductive load
- Power range 0 100% of maximum output power

- **ILLUMINATION:**
- Light Output through
- 20GA Fiber Probe: 0-200 hrs: 16 \pm 6 lumens
- at 115% set point 1



Handwritten signature and date: 11/11/2002



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- 201400 hrs: 16 ± 6 lumens
- at 115% set point 1
- Light Output through
- 23GA Fiber Probe: 0-200 hrs: 23 ± 13 lumens
- at 115% set point 1
- 201400 hrs: 23 ± 13 lumens
- at 115% set point 1
- Light Output through
- 25GA Fiber Probe: 0-200 hrs: 18 ± 8 lumens
- at 115% set point 1
- 201400 hrs: 18 ± 8 lumens
- at 115% set point 1
- 1 Based on a representative nominal UFR fiber.

- FRAGMENTATION:
- Sub Modes: Linear, Fixed, Momentary
- Tip Stroke @ 100%: 3.1 ± 0.5 mils at 100% power
- Resonant Frequency: 39.0 ± 1.9 KHz
- Pulse Rate Range: 0 – 100 pps
- SCISSORS:
- Sub Modes: Proportional, Multi-Cut
- Proportional Pressure: 0-50 psi @sea level
- Multi Cut Rate: single cut to 450 cpm

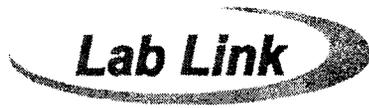
- PROPORTIONAL AND CONTINUOUS REFLUX @SEA LEVEL:
- Pressure Range: 0 to 120 mmHg
- Pressure Accuracy: $\pm(2\%$ of Set point +5 mmHg)
- MICRO REFLUX:
- Pressure Range: 100 ± 50 mmHg¹
- Volume: 15 ± 10 μ L¹
- 1 measured with unoccluded 20 Ga UltraVit™ probe and aspiration tubing

- VISCOUS FLUID CONTROL:
- Sub modes: Inject, Extract
- Injection Pressure: 0 to 551.6 KPascal (0 to 80 psi)
- 0 to 482.7 KPascal
- @ Reduced (0 to 70 psi)
- Extract Vacuum
- at Sea Level: 0 to 650 mmHg
- AUTO-GAS FILLING (AGF):
- Maximum Gas Pressure: 10 psig

Head Office: Bungalow No 225/1F Block 2, P.E.C.H.S Karachi Ph: +92-213-2361289

Branch Office 1: M-1 Ammeer Tarrace Near Civil Hospital, Hyderabad. Tel:022-2612757, Fax:022-2635136, E-mail:llehyd@hotmail.com

Branch Office-2: Near Al-Habib Hotel New Bhutta, Road Sukkur. Tel:071-5614466, E-mail:llesukkur@yahoo.com



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- Fill Purity: 99.7% gas concentration
- following 3 purges & 1 fill

- AUTO-STOPCOCK:
 - Response Time: 0.5 seconds minimum
 - Pressure (Liquid): 0-120 mmHg
 - Rated Flow (Liquid): 20 cc/min
 - Pressure (LPAS): 0-120 mmHg
 - Rated Flow (LPAS): 1.2 slpm

- PHACOEMULSIFICATION:
 - TORSIONAL / TRADITIONAL
 - Sub modes: Burst, Pulsed, Continuous
 - Tip Stroke @ 100%: 3.5 ± 0.5 mils
 - Resonant Frequency: 34khz – 42Khz $\pm 10\%$.
 - Pulse Rate Range: 0-100 pulses per second
 - Burst Length: 2.5 sec – user adjustable
 - Burst Pulse durations: 5 ms to 500 ms

- ANTERIOR VITRECTOMY:
 - Sub modes: Wet, Dry
 - Cut Rate: 0 to probe maximum

- GREEN LASER 532nm(optional):
 - Treatment beam:
 - Class: IV
 - Power: 30 mW to 2 W (maximum)
 - Wavelength: 532 nm
 - Aiming beam:
 - Class: II
 - Power: less than 1 mW
 - Wavelength: 635 nm ± 5 nm

RS. 14500000.00 DDP Fourteen Million five lac only
USD 115000.00 C&F ONE LAC FIFTEEN THOUSAND ONLY

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SUB:

FINANCIAL OFFER Quotation for Medical Equipment

Dear Sir,

In response of your enquiry, we are pleased to offer you our TECHNICAL BID

S.NO.	DESCRIPTION	QTY.	UNIT PRICE
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Item no. 30:-

Ventilator for Intensive Care Unit

Model: eVolution 3e Essential

Make: eVent Medical – USA

Features:

- Suitable for Adult and Pediatric Patients.
- Integrated high performance turbine technology.
- Invasive and noninvasive techniques.
- 12.1" LCD Touch Screen Display.
- Internal Battery backup support for 2 hours.

Modes of Ventilation

- Assisted Control Mandatory Ventilation (CMV).
- Synchronized Intermittent Mandatory Ventilation (SIMV).
- Spontaneous Ventilation (CPAP + PS, CPAP + VS, SPAP).

Prioritized Alarms (High, Medium and Low)

- Auto set alarm feature & 1000 Event log.

Breathe Types

- Volume-controlled (V-CMV; V-SIMV)
- Pressure-controlled (P-CMV; P-SIMV, PS)
- Volume Targeted Pressure-controlled (PRVC-CMV; PRVC-SIMV, VS)

Additional Features

- Apnea Backup Ventilation
- Active Exhalation Valve
- Automatic Leak Compensation (up to 60 lpm)

Head Office: Bungalow No. 225/1/F PECHS Block-2, Karachi Ph: +92-213-2361288, +92-213-2361289

Branch Office-1: M-1 Ameer Terrace Near Civil Hospital, Hyderabad. Tel: 022-2612757. Fax: 022-2635136. E-mail: llehvd@hotmail.com

Technical Specification

- Tidal volume : 5 – 3000 ml
- Respiratory rate : 1 – 150 bpm
- Pressure control : 1 – 100 cmH2O
- Pressure support : 0 – 100 cmH2O
- Peak flow (mandatory) : 1 – 120 lpm
- Peak flow (spontaneous) : Up to 180 lpm
- Peak flow (Turbine Output) : Up to 300 l/min
- Inspiratory Times : 0.1 – 10.0 sec
- Oxygen concentration : 21 – 100%

Monitored / Displayed Data

- Delivered oxygen concentrations: 21 – 100%
- Trend Data : (1 – 72 hrs.) (31 trend parameters).
- Monitoring Data : (36 monitored parameters):
- Graphics Display : (2-Loops and 3-Waveforms).
- Apnea Back-up.

Real Time Graphics

- Volume + Time
- Flow + Time
- Pressure + Time
- Flow & Pressure Volume Loops

User Configurable Graphic User Interface (GUI) and Functions

- Multiple Easy View Tabs.
(Main, Settings, Monitoring, Alarms, Configuration).
- Graphics Display (2-Loops and 3-Waveforms).
- Apnea Back-up.
User-selected breath type and settings.
- Humidification Selection (HME, Humidifier, and None).

RS.
USD2786500/-
22000/-DDP
C&FTwenty seven lac eighty six thousand five hundred only
TWENTY TWO THOUSAND



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SUB:

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Quotation for Medical Equipment

Dear Sir,

In response of your enquiry, we are pleased to offer you our **TECHNICAL BID**

S.NO.	DESCRIPTION	QTY.	UNIT PRICE
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Item no. 02:-

Bed Side Patient Monitor

Model: 780Plus

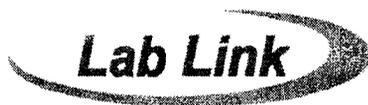
Make: Luetech – USA

- **SIZE AND WEIGHT**
- Size 366mm X 330mm X 162mm
- Weight 5 kg
- **DISPLAY**
- 15" Color TOUCH TFT-LCD
- Resolution 1024 X 768 pixels or higher
- **POWER SUPPLY**
- Power Voltage AC 100-240V 50/60Hz
- Power Input \leq 85VA
- Fuse: T1.6AL/250V, Φ 5X20 (mm)
- Safety class: Category I
- **BATTERY**
- Type: rechargeable Lithium battery
- Charge time: \leq 6 hours
- Operating time under normal use and full charge:
- \geq 120 minutes
- **THERMAL RECORD (OPTION)**
- Method: thermal dot array
- Paper width: 50mm (1.97 in)
- Paper Speed: 12.5/25/50 (mm/sec)
- Traces Maximum: 3 tracks
- **SYSTEM OUTPUT**
- Ethernet Network standard RJ45 socket

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Branch Office-2: Near Al-Habib Hotel New Bhutta, Road Sukkur. Tel:071-5614466, E-mail:llesukkur@yahoo.com



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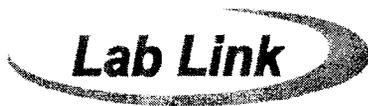
- RF Wireless LAN: 433MHz, 10mW (option)
- Nurse call output
- Defibrillation Output: Option
- Video Output: Option
- **ALARM**
- Three Level: Low, medium and high
- Indication: Auditory and visual
- Setup: Default and custom
- Silence: All alarms can be silenced
- Volume: 45~85 dB measured at 1 meter
- **TREND**
- Store & review 168 hours trend data and trend maps
- Parameter option: HR, SpO2, NIBP, PR, Resp, CO2, Temp1, Temp2, AA, N2O, O2, IBP1, IBP2, ST, C.I..
- Cycle intervals of trend storage 1min, 2min, 3min, 4min, 5min, 10min, 15min, 20min, 25min, 30min.
- **STORE & REVIEWING**
- ECG: 30 minutes one important lead's ECG waveform
- Alarm: 1800 groups Alarm events reviewing
- NIBP: 1000 groups NIBP measurement
- Arrhythmia: 128 groups data (8 seconds ECG waveform)
- Power-off storage: 72 hours trend data & 1 ECG wave form (option)
- **ENVIRONMENT**
- Working temperature: 0~+40°C
- Transportation and storage temperature: 20~+55°C
- Relative humidity: Working \leq 85%
- Transportation and storage \leq 93%
- Atmospheric pressure: Working 860~1060 hPa
- Transportation and storage 500~1060 hPa
- **STANDARD CONFIGURATION:**
- ECG, HR, RESP, NIBP, SpO2, PR, 2-TEMP, Lithium Battery
- **OPTION:**
- 2-IBP, Recorder, EtCO2 (side stream, main stream), Anesthetic Gas, Nellcor
- SpO2, ICG, SD memory card

- **ECG**
- Mode: 5-leads (standard); 3-leads
- Lead selection: I, II, III, aVR, aVL, aVF, V1~V6 (option)
- Gain: AUTO, 0.25x, 0.5x, 1.0x, 2.0x, 4.0x

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Branch Office-2: Near Al-Habib Hotel New Bhutta, Road Sukkur. Tel:071-5614466. E-mail:llesukkur@yahoo.com



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- Insulation Breakdown Voltage 4000VAC 50/60Hz
- Sweep speed 12.5mm/s, 25mm/s, 50mm/s
- HR Range: 10~350 bpm
- HR Accuracy $\pm 1\%$ or ± 1 bpm, whichever is greater
- **ST SEGMENT**
- Measurement Range – 2.0mV~2.0mV
- Resolution 0.01mV
- **RESP**
- Method: Impedance variation between RA-LL (R-F)
- Measurement Range: 0~150 rpm
- Accuracy: ± 2 rpm
- Gain: x1, x2, x4
- Sweep speed 6.25mm/s, 12.5mm/s, 25mm/s
- **TEMP**
- Measurement Range: 0~50.0°C
- Unit: Celsius (°C), Fahrenheit (°F)
- Accuracy: $\pm 0.1^\circ\text{C}$ (exclusive of probe)
- Connecting cable: Compatible with YSI-400
- SpO2
- Measurement Range 0~100%
- Accuracy 70~100%, $\pm 2\%$
- 0~69%, unspecified
- PR Range 25~250 bpm
- PR Accuracy $\pm 1\%$ or ± 1 bpm, whichever is greater
- **NIBP**
- Technique: Automatic oscillometry
- Range: Adult: 10~270 mmHg
- Child: 10~235 mmHg
- Neonate: 10~135 mmHg
- Accuracy: Static $\pm 2\%$ or ± 3 mmHg, whichever is greater
- Unit: mmHg, kPa
- Pulse rate range: 40~240 bpm
- Intervals for AUTO measurement: 1,2,3,4,5,10,15,20,30,45,60,90 minutes 2,4,8 hours
- **IBP (OPTION)**
- Channel: 2
- Measurement Range: -50~ +300 mmHg
- Unit: mmHg, kPa
- Accuracy: ± 2 mmHg or 2%, whichever is greater

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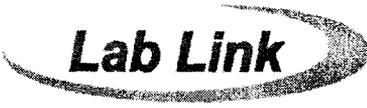
Branch Office 2: Near ALHabib Hotel New Bhutta Road Sukkur. Tel:071-5614466 E-mail:lleesukkur@yahoo.com



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- EtCO2 (OPTION, Sidestream, LoFlo)
- Range 0~19.7% (0 ~ 150 mmHg)
- Unit: %, mmHg, kPa
- Respiration Rate Range 2~150 bpm

RS.	515000.00	DDP	Five lac fifteen thousand only
USD	4100.00	C&F	FOUR THOUSAND ONE HUNDRED ONLY



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SUB:

FINANCIAL OFFER Quotation for Medical Equipment

Dear Sir,

In response of your enquiry, we are pleased to offer you our TECHNICAL BID

S.NO.	DESCRIPTION	QTY.	UNIT PRICE
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Item no. 03:-

Blood Gas Analyzer
Model: OPCCA_TS
Make: USA

- Display: 5.4 ; LCD-display, illuminated, 15-lines, 30 characters
- Measured Parameters: pCO2 , pO2 , K+ , Na+ , Li+ , Cl- , Ca++, pH, Glu,
- Lac, tHb, barometric pressure
- Calculated Parameters: HCO3 -A, HCO3 -S, BE, BEecf (SBE), TCO2 , BB,
- O2 sat, O2 CT, P50, AaDO2 , Hct, H+ , AGAP, SHUNT, Acid-Base Status
- Throughput: Up to 80 tests/hour depending on configuration
- Sampling Method: Aspiration system adapted for both capillary and syringes,
- cleaned with Rinse Solution automatically
- Sample Volume: 50-200 µl depending on measured parameters
- Sample Types: Whole Blood, Arterial Blood, Urine, Serum,
- Plasma, Respiration Gas
- Calibration: 2-Point calibration in standard and economy modes suited to
- your working hours.
- Measurement Temperature of Electrodes and Sensors: Electrodes and Sensor
- temperature automatically adjusted to 37.0°C ± 0.2 during measurements.
- Data Capacity: 2 GB SD Card, 32000 measurements and QC data sets

RS.	1880000.00	DDP	Eighteen lac eighty thousand only
USD	13000.00	C&F	THIRTEEN THOUSAND ONLY

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Dear Sir,

In response of your enquiry, we are pleased to offer you our TECHNICAL BID

S.NO.	DESCRIPTION	QTY.	UNIT PRICE
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Item no. 09:-

OT TABLE FOR GYNE AND UROLOGY

Model: T-800

Make: AMTAI USA

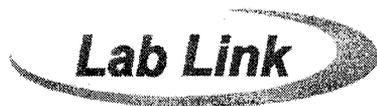
- Radiolucent table top with tilting.
- Two Built-in X-ray Cassette Channels
- Table length 2165mm
- Table width 510 mm with rails.
- Table Height (min) 695 mm to (max) 1050 mm
- Lateral tilt - 20 / +20 degree or more
- Trendelenburg-25/+30° maximum from horizontal
- Reverse Trendelenburg 25° maximum from horizontal
- Back rest adjustment up 80°/+12° max
- Leg plate adjustment up 10°/100°/90° maximum.
- Flex / Reflex 195°/100°
- Sliding Table Top Upto 310mm
- Auto Leveling
- Spread of split leg plates 90 degree.
- Manual Head plate adjustment -90 / +90 degree.
- Patient Weight capacity 200kg or more.
- Central Break
- Kidney Bridge 130mm height
- Manual Over Ride
- Complete with : Anesthesia Screen, Arm Boards ,lithotomy pole, drain pen, Basic Straps , Safety Clark Sockets

RS. 4080000.00 DDP Forty lac eighty thousand only
USD 33000.00 C&F THIRTY THREE THOUSAND ONLY

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In response of your enquiry, we are pleased to offer you our TECHNICAL BID

S.NO.	DESCRIPTION	QTY.	UNIT PRICE
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Item no. 13:-

AUTOCLAVE B CLASS

Model: T-24

Make: TUTTNAURE-EUROPE

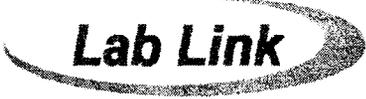
- Smart with multi safety protection Functions
- Built-in printer
- 24Litre7. Six-procedure and Automatic process
- Integrated Self-contained Steam Generator (Better Steam Infusion)
- Six-procedure and Automatic process
- Intelligent Vacuum Drying
- Double water pumps
- Double condensers
- Double fans,
- Detachable Rear Panel

RS.	945000.00	DDP	Nine lac forty five thousand only
USD	7500.00	C&F	SEVEN THOUSAND FIVE HUNDRED ONLY

Head Office: Bungalow No 225/1F Block 2, P.E.C.H.S Karachi Ph: +92-213-2361289

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S.NO.	DESCRIPTION	QTY.	UNIT PRICE
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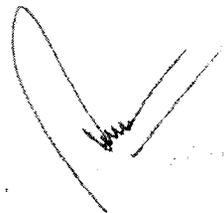
Item no. 21:-**CTG MACHINE**

Model: ULTRA-CTG

Make: ULTRASOUND TECHNOLOGIES UK

- Large high resolution color TFT foldable screen 10.4"
- Advanced SpO2 module with equivalent performance
- Large storage capacity
- Basic parameters: FHR, TOCO, AFM, MHR, NIBP, SPO2
- Real time measurement and identification
- Provide convenience and reliability during antepartum.
- 18 hours CTG storage, fast review and print
- Unique design for cable of transducers to avoid intertwinning
- Alarm system: time-over alarm, non-paper alarm, out of range FHR alarm
- Automatically adjustable many kinds of 112mm thermal paper with different specifications
- Wire or wireless connect to central monitoring system
- Low acoustic power, safer to the fetus

RS.	1775000.00	DDP	Seventeen Lac seventy five thousand only
USD	14000.00	C&F	FOURTEN THOUSAND ONLY



Head Office: Bungalow No 225/1F Block 2, P.E.C.H.S Karachi Ph: +92-213-2361289

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Branch Office 2: M-1 Ammeer Tarrace Near Civil Hospital, Hyderabad.

Item No. 36:-**EEG Polygraphic Machine – 34 Channel****Model: NEUROWERK****Make: Sigma-Germany****Features:**

- Management of reported and unreported examinations for different users.
- Data base with patient and examination related information.
- Archive inspector (automatic invitation for archiving).
- Automatic archiving of reported examinations on selectable data volumes.
- Backup for programs and data bases.

EEG / Polygraphy Recording Software

- EEG and Polygraphy 34 channels.
- Straightforward operating by picture symbols (mouse) or PC keyboard
- Optical, graphical and numerical presentation of impedance measurement, can be operated also at the headbox
- Measurement of impedance at any time, storing of all measured impedance values
- Multi-Window technology for simultaneous recording/reviewing
- Network wide presentation of a running record (on-line review)
- Definition of 20 event markers and an unlimited number of comments
- Possibility of infliction of a WAVE file to each marker
- Automatic marking of photic stimulation (programmable)
- Automatic marking of hyperventilation (programmable)
- Input of print marker for subsequent EEG printout
- Automatic stop of recording after a defined recording time and transmission of a network message
- Programmable Macro for EEG recording
- Input of channel-specific comments
- Design and presentation of an unlimited number of EEG montages
- On-line setting of all recording parameters

EEG/Polygraphy Review Software

- Unitary for EEG, digital videometry and long-term EEG
- Straightforward operating by picture symbols (mouse) or PC keyboard
- Design and presentation of an unlimited number of EEG montages and presentation parameters
- Automatic switching of montages according to the recording montage
- Searching for markers, events, notes and time
- Input, shifting and editing of markers
- Automatic paging with variable speed, scroll function

- Presentation of date, time, start time and recording length
- Integrated customized and macro-supported report template
- Simultaneous paging in different records
- Synchronous real time scrolling or paging of video EEG's, high speed or picture wise
- Editable color of EEG and polygraphy traces
- Automatic EEG measuring function for amplitude and dominant frequency
- Zoom of EEG segments including measuring function for amplitude, frequency and time
- Dynamic amplitude mapping of selectable EEG segments
- Frequency analysis of selectable EEG segments
- Frequency mapping of selectable EEG segments and frequency bands
- Export for all numerical analysis results for extended statistical processing
- Import/Export function for different EEG formats.
- Export function for selectable EEG's including viewer software for EEG presentation and reviewing on each PC
- Storing of all analysis segments for subsequent comparisons or re-analysis
- Editor for long-term and video EEG's and storing of edited EEG and video clips.
- Printout of selectable EEG segments, analysis segments and analysis results
- Integration of foreign analysis software by means of EDF data transfer

EEG HEADBOX

- Dynamic range: 0.5 μ V – 1 mV.
- Polygraphic channels (EOG, ECG, RESP, EMG, POS, MIC).
- Dynamic range polygraphic channels 0.8 μ V - 1.57 mV.
- Input impedance: > 20 MW.
- CMRR: > 100 dB.
- Noise: < 2 μ V pp.
- Lower cutoff frequency 0.2 Hz.
- Upper cutoff frequency 300 Hz.
- Sampling rate 2048/channel.
- Sampling resolution 16 Bit (ADC).
- Transmission rate (selectable) 128, 256, 512 Samples/s.
- Transmission sensitivity (selectable) 30.5 nV/Bit (128 Samples), 61nV/Bit (256 Samples).
- Transmission protocol TCP/IP, optically decoupled LAN adapter.
- Transmission velocity 10 Mbit.
- Power consumption < 1 W.

- Integrated impedance measurement with LED display.
- Mobile stand for EEG headbox.

LED PHOTIC STIMULATOR

- Power supply: 12 V Power
- Consumption: 50 VA
- Trigger input Optic, 1 ms, TTL optional
- Max. flash frequency: 60 Hz
- Controlled by EEG recording software
- User-defined stimulation programs Unlimited number of programs
- Start/Pause/Stop of stimulation by function key

EEG video

- Digital videometry monitoring.
- Video: Digital synchronized recording (MPEG 1, 2 or 4 format) with zoom function during evaluation.
- Camera: Daylight (color) or night camera (b/w) with integrated IR light, auto zoom, pan/tilt, remote control, mic, audio amplifier.

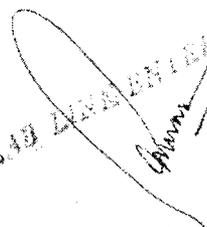
WORKSTATION

EEG/polygraphy recording, reviewing, archiving and data backup.

Hardware

- Processor Min. 2 GHz or more
- 1 GB SD-RAM or more
- Hard Disk 160 GB or more
- Graphic board Onboard
- Monitor 23" TFT or more
- Network adapter transmission rate onboard, TP/B, 10/100 Mbit
- Backup drive DVD/CD RW
- OS WINDOWS 7 or better.

RS. 3865000.00 DDP Thirty eight lac sixty five thousand only
EURO 25500.00 C&F TWENTY FIVE THOUSAND FIVE HUNDRED



LAB LINK ENTERPRISES

Item No. 37:-**EMG Machine – 4 Channel****Model: NEUROWERK****Make: Sigma-Germany****Features:**

- Pre-configured EMG Unit with accessories kit.
- PC based system with Windows operating system and inbuilt patient centric database.
- Latest EMG/NCS/EP acquisition and review software.
- Both predefined and user configurable test protocols.
- Flexible report generation.
- Software guidance for electrode positioning.
- Storage to EMG with full acquisition resolution.
- Archival recorded exams/reports CD/DVD.
- Printing of reports on heavy duty laser printer.
- Ether LAN connectivity and Export of the report.

Nerve Conduction Study

- Motor Nerve Conduction Study
- Sensory Nerve Conduction Study
- Repetitive Stimulation
- F-wave
- H Reflex
- Blink Reflex
- Single Muscle Fiber Test

Somatosensory Evoked Potential

- SEP (Somatosensory Evoked Potential)
- SSEP (Short Latency SEP)

Visual Evoked Potentials

- Stimulation type: Checkerboard, pattern flash, onset/offset, Picture stimulation, visual P300)
- Pattern: Checkerboard, vertical and horizontal stripes, pictures; variable size
- Stimulation field: Full, half, quarter field
- Fixation point: different fixation points, colored bitmaps, variable position
- Pattern color: black white, 16 grey steps
- Monitor: 17" TFT monitor
- LED goggle: left, right, both eyes stimulation

Auditory Evoked Potentials

- Stimulation type: Klick, Klick-Klack, Tone pips of all relevant frequencies

- Stimulation frequency: manual, 1 - 100/s in dependence of the examination
- Sound pressure: 0 - 124 dB SPL, in 1 db steps
- Stimulation duration: 50 μ s – 1 ms; in 50 μ s steps
- Stimulation polarity: Condensation, rarefaction, alternating
- Overlapping: White noise with adjustable intensity
- Parameter setting: With keyboard, mouse and remote control.

Electrical Stimulator:

- Numbers: 1 integrated electrical stimulator.
- Stimulation current: 0 – 100 mA; in 1 mA steps
- Stimulation duration: 50 μ s – 1 ms; in 50 μ s steps
- Stimulation type: Single, Double, Train
- Stimulation frequency: manual, 0.1 - 100/s in dependence of the examination program
- Parameter setting: Keyboard, Mouse and Remote Control.
- Display: Display of stimulation current, stimulation puls width and stimulation type on screen

Amplifier

- No. of channels : 4
- Power requirement : 220V, 50Hz, and 22watt or better
- Input impedance : >100 MOhm
- CMRR : >100dB
- AC interference Notch filter : 50 or 60 Hz
- Noise level : <1 uV or better
- Low-frequency limit : <8mHz
- High-frequency limit : 20kHz
- Skin electrode contact impedance check : 2, 5, 10, 20, 50 k Ω .
- A/D converter : 24 bits or better
- Constant Current Electrical Stimulator : Stim Current, 0- 100mA
- Stim Voltage : 400V
- Stim Duration : 50us – 1ms
- Stim types : single, pair, train

LAB LINK ENTERPRISES
[Signature]

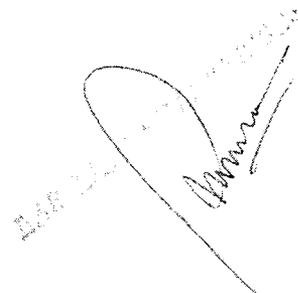
Amplifier:

- Sampling rate : 50 kHz/channel
- ADC : 24 bit
- Resolution : 10 nV/d
- Channel : 4
- Max. Input voltage : 25 mV
- Noise : < 1 μ V pp @ 2 Hz–10 kHz, shorted input
- Input impedance : > 110 MOhm
- CMRR : > 110 dB
- Lower cutoff frequency : 0.02 Hz - 1000 Hz in 15 steps 0.02, 0.05, 0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50, 100, 200, 500, 1000 Hz ; 6 dB/Oktave
- Upper cutoff frequency : 20 Hz - 15 kHz in 11 steps (20, 50, 100, 200, 500 Hz, 1, 2, 3, 5, 10, 15 kHz); 6 dB/Oktave
- Notch filter : 50/60 Hz.
- Temperature measurement : 20-40 °C, with temperature probe.
- Impedance measurement : 0-100 kOhm @ 10 Hz in 0,1 kOhm steps

Standard accessories:

- Concentric needles electrode 20mm.
- Concentric needles electrode 50mm.
- Bi-polar needle electrode.
- Extension cable for concentric needle electrode.
- Extension cable for bi-polar needle electrode.
- NCS extension cable.
- NCS disposable electrode.
- Ground electrode.
- Finger electrode.
- Surface stimulation electrode.
- Headphones for Auditory Stimulation
- Conductive paste.
- Abrasive cream.

RS. 4450000.00 DDP Forty four lac fifty thousand only
EURO 29000.00 C&F TWENTY NINE THOUSAND



ITEM # 53 INSTRUMENTS FOR VARIOUS DEPARTMENTS

S.NO	DESCRIPTION	REQUIRED QUANTITY	Manufacture	price
1	Air Drill	2	China	6,500.00
2	Artry forceps artry forceps	4	Pakistan	750.00
3	Bone Cutter	16	China	15,000.00
4	Bone Cutter Double Action	2	China	35,000.00
5	Bone elevator	6	China	45,000.00
6	Bone files	8	China	
7	Bone Holding forceps Diff: Sizes (small, Medium and large)	2 each	China	
8	Bone Holding forceps larges	4	Pakistan	1,500.00
9	Bone Holding forceps Medium	4	Pakistan	1,800.00
10	Bone Holding forceps Small	4	Pakistan	2,400.00
11	Bone Nibbler Double Action Diff: Sizes (small & large)	1 each	China	
12	Bone Nibbler Large	6	China	
13	Bone Nibbler Medium	6	China	
14	Bone Nibbler Small	6	China	
15	B'P Appratus stand	4 nos	europa	15,500.00
16	Brain Retractor system (Laila retractor)	1	China	
17	Butterfly probe	10 nos	China	
18	Cannulated Screw set	1	China	
19	Cassette (11 x4)		China	
20	Cassette Fuji (14 x 17)		China	
	(10 x 12)		China	
			China	
21	Cassette Fuji (14 x 17)		China	
	(8 x 12)		China	
			China	
22	complan straight Elevator	6	China	
23	continues flow sheath	1	China	
24	Craniotome set	2	Pakistan	
25	Cryer Elevators Left & right	6	Pakistan	
26	Depth Gauge 3.5	2	Pakistan	
27	Depth Gauge 4.5	2	Pakistan	
28	DHS /DCS set	2	China	
29	Drill Bits 2.7, 3.2, 3.5, 4.5 mm	2 each	China	
30	Drill Guide 3.5	2	China	

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31	Drill Guide 4.5	2	China	
32	Drips rack hot	5	USA	
33	Drum for sterillization	5	Pakistan	
34	Electric Drill	1	China	
35	Electric Drill Machine	2	China	
36	Ellis tissue forceps	24 nos	Pakistan	
37	Examination instruments	6 set	Pakistan	
38	Filling instruments	6 set	Pakistan	
39	Flexible fiberoptic Bronchoscope	1	China	
			China	
	forceps	2		
	grasping forcep			
	flexible for cystoscope	2		
	Bopsy forcep for cystoscope	2		
40	Gasping forcep for cystoscope			
41	Forceps for laparoscopy	2	China	
42	Fundo scope	1	China	
43	General Set Instruments	2	China	
44	Glucometer	1	Germany	5,000.00
45	half sheath	1	China	
46	Hambeez Knife set	2	China	
47	Hammer	1	China	
48	Harmonic	2	China	
49	High speed Neurosurgical Drill (Most urgent)	1	China	
50	Hoffman Retractor large	4	China	
51	Hoffman Retractor Medium	4	China	
52	Hoffman Retractor small	4	China	
53	Hoffmann's bone retractor (Elevators) Size:(small and large)	2 each	China	
54	inner sheath	1	China	
55	Instrument trolley with cover	10 nos	China	
56	Interlocking set	2	China	
57	K Nail Extractor	4	China	
58	K Nail Remar Set	1	China	
59	Konica (8 x 10)		China	
60	Lab coli surgical set	1 nos	China	
61	Laminectomy set	2	China	
62	Semi Automatic Chemistry analyzer	1 Unit	Merck Microlab 300	650,000.00

63	Ligasure	1 piece		
64	Lower crown forceps	6	Pakistan	
65	lower root forceps	6	Pakistan	
66	Mayfield head clamp	1	Pakistan	
67	Mayo trolley's	10 nos	Pakistan	
68	Megil Forceps	4 nos	Pakistan	
69	Mesogun		Pakistan	
70	Mobile BP Apperatus	1		
71	Mosquito Artery St	50 nos		
72	Narrow Band UVB (For whole body)			
73	Narrow Band UVB (Hand held)			
74	NCS (Nerve conduction study) machine	1		
75	Needle holder ST 7	20 nos		
76	obturator	3		
77	Oscillating Saw	24		
78	Osteotome 6mm, 10mm	1 each		
79	Oxygen Alarm	1		
80	Oxygen Guage	7		
81	Patient trolley for endoscopy unit	4		
82	Periostal elevator	6		
83	Periosteum Elecvator	1		
84	Plate Holding Forceps Larges	4		
85	Plate Holding Forceps Medium	4		
86	Plate Holding Forceps Small	4		
87	Pneumatic tourniquet	1		
88	Reduction Forceps Pointed	1		
89	Resuscitation trolley	10		
90	scavanging system	1		
91	Scissors	2		
92	Screw Driver 3.5	6		
93	Screw Driver 4.5	6		
94	Set With monitor and trolley	1		
95	Small oxygen cylinder	5		
96	sponge holder	2		
97	Sponge holding FPST	20 nos		
98	SS Plauze	Range		
99	Stainless steel small bowl	20 nos		
100	Stapler Guns	1 piece		
101	Stapler Guns	1 piece		
102	Stature	4 nos		

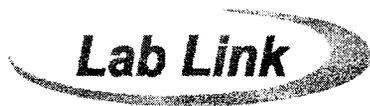
LAB LINK ENTERPRISES
 KARACHI
 HYDERABAD

103	Stethoscope	4 nos		
104	stone pumch			
105	surgical bowl big size	2		
106	Surgical scissor 6' Blunt tip	12 nos		
107	Suture cutting scissor	20 nos		
108	Tension Band Wire set	1		
109	T-Handle	4		
110	T-handle with auto chuk	1		
111	Tourniquet Set (Pneumatic)	4		
112	Tray large size	2		
113	Upper anterior Forceps	6		
114	Upper bynet forceps	6		
115	upper crown molar forceps left & right	6		
116	Upper G.I Endoscopy Machine	1		
117	upper universal premolar forceps	6		
118	UPS	Four UPS required		
119	Ureteroscope forceps	2		
	Grasping Flexible	2		
	Stone Dislodging			
	Forceps			
	Dormie Basket	2		
	Ureteric Dialator	2		
120	with baloon	1		
	Ureteroscope	1		
	office 7.5 gradual	1		
	semi rigid	1		
flexible				
121	Urethrotome			
122	Uro-flowmetry machine (UDN)	1		
123	Vaccume cleaner machine	2		
124	weight machine scale	2		
125	Wire Cutter	6		
126	Wire Passer	2		
127	Wire plier	2		
128	working element	2		
129	Xenon light source with cable	1		
130	X-ray machine Cassette	2		

Head Office: Bungalow No 225/1F Block 2, P.E.C.H.S Karachi Ph: +92-213-2361289

Branch Office 1: M-1 Ammeer Tarrace Near Civil Hospital, Hyderabad. Tel:022-2612757, Fax:022-2635136, E-mail:llehyd@hotmail.com

Branch Office-2: Near Al-Habib Hotel New Bhutta, Road Sukkur. Tel:071-5614466, E-mail:llesukkur@yahoo.com



Lab Link Enterprises

SUB:

FINANCIAL OFFER Quotation for Medical Equipment

Dear Sir,

In response of your enquiry, we are pleased to offer you our TECHNICAL BID

S.NO.	DESCRIPTION	QTY.	UNIT PRICE
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Item no. 56:-

VITRECTOMY (VENTURY) BASE MACHINE

Model: ULTRAVIT

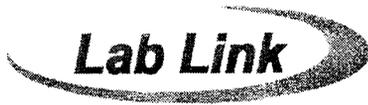
Make: ALCON – USA

- VITRECTOMY (VENTURI BASE) MACHINE (Combine Procedure Vitrectomy + Advance Torsional / Traditional Phaco System) Includes embedded Green Laser 532nm
- PERFORMANCE SPECIFICATIONS
- VITRECTOMY:
 - Modes: 3D, Momentary, PropVac, VitWet
 - Sub Modes; Core, 50/50, Shave
- Cut Rate:
 - UltraVit™ 5,000, 7,500 Probe: 001 to 7,500 cpm up to 10,000cpm
- PRESSURIZED INFUSION/IRRIGATION @SEA LEVEL:
 - Range: 0 to 120 mmHg
 - Accuracy: $\pm(2\%$ of set point +5 mmHg)
 - Flow Rate: 0 to 20 cc/min. for infusion (20 Ga)
 - 0 to 60 cc/min. for irrigation
 - Set point Transient: 500 ms maximum
- IOP CONTROLLED INFUSION:
 - Set point Range: 0-120 mmHg
 - Repeatability1: ± 2 mmHg
 - Set point Response Time: <500 ms (20 Ga)
 - Transient Disturbance
 - Response Time: <500 ms3
 - Flow Range: 0-20 cc/min
 - 1 BSS Dual chamber mode.
 - 2 BSS medium, 20 gauge high flow Cannula, steady state condition at rated flow range
 - 3 Transient conditions from no flow state to 10cc/min

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- ASPIRATION/SUCTION @SEA LEVEL:
 - Standard & Reduced
 - Pressure Range: 0-650 mmHg Vacuum
 - Minimal Pressure Range: 0-600 mmHg Vacuum
 - Pressure Accuracy: \pm (2% of Set point +5 mmHg)
 - Flow Range:
 - Posterior Modalities: 0-20 cc/min
 - Anterior Modalities: 0-60 cc/min
 - Transient Response Time
 - (Standard Pressure Range): From 0 to 400 mmHg @0 cc/min
 - 1090% Rise Time: 300 msec max
 - 9010% Fall Time: 300 msec max
- VACUUM @ SEA LEVEL:
 - Vitrectomy: 0 to 650 mmHg
 - Fragmentation: 0 to 650 mmHg
 - Extrusion: 0 to 650 mmHg
 - Extraction: 0 to 650 mmHg
 - Irrigation/Aspiration: 0 to 650 mmHg
 - Phacoemulsification: 0 to 650 mmHg
- LOW PRESSURE AIR SOURCE (LPAS) @SEA LEVEL:
 - Pressure Range: 0 – 120 mmHg at rated flow
 - Pressure Accuracy: \pm 3% of set point +3 mmHg
 - Flow Rate: 1.2 slpm minimum at 120 mmHg
- PERFORMANCE SPECIFICATIONS...continued
- DIATHERMY:
 - Frequency: 1.5 MHz \pm 10%.
 - Proportional control.
 - Wave shape: Sinusoidal
 - Output power 10 Watts maximum at 100% setting
 - with 75 \pm 10% ohm non-inductive load
 - Power range 0 100% of maximum output power
- ILLUMINATION:
 - Light Output through
 - 20GA Fiber Probe: 0-200 hrs: 16 \pm 6 lumens
 - at 115% set point 1

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- 201400 hrs: 16 ± 6 lumens
- at 115% set point 1
- Light Output through
- 23GA Fiber Probe: 0-200 hrs: 23 ± 13 lumens
- at 115% set point 1
- 201400 hrs: 23 ± 13 lumens
- at 115% set point 1
- Light Output through
- 25GA Fiber Probe: 0-200 hrs: 18 ± 8 lumens
- at 115% set point 1
- 201400 hrs: 18 ± 8 lumens
- at 115% set point 1
- 1 Based on a representative nominal UFR fiber.

- FRAGMENTATION:
- Sub Modes: Linear, Fixed, Momentary
- Tip Stroke @ 100%: 3.1 ± 0.5 mils at 100% power
- Resonant Frequency: 39.0 ± 1.9 KHz
- Pulse Rate Range: 0 – 100 pps
- SCISSORS:
- Sub Modes: Proportional, Multi-Cut
- Proportional Pressure: 0-50 psi @sea level
- Multi Cut Rate: single cut to 450 cpm

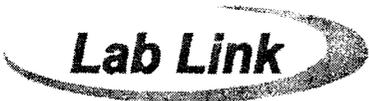
- PROPORTIONAL AND CONTINUOUS REFLUX @SEA LEVEL:
- Pressure Range: 0 to 120 mmHg
- Pressure Accuracy: $\pm(2\%$ of Set point +5 mmHg)
- MICRO REFLUX:
- Pressure Range: 100 ± 50 mmHg¹
- Volume: 15 ± 10 μ L¹
- 1 measured with unoccluded 20 Ga UltraVit™ probe and aspiration tubing

- VISCOUS FLUID CONTROL:
- Sub modes: Inject, Extract
- Injection Pressure: 0 to 551.6 KPascal (0 to 80 psi)
- 0 to 482.7 KPascal
- @ Reduced (0 to 70 psi)
- Extract Vacuum
- at Sea Level: 0 to 650 mmHg
- AUTO-GAS FILLING (AGF):
- Maximum Gas Pressure: 10 psig

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- Fill Purity: 99.7% gas concentration
- following 3 purges & 1 fill

- AUTO-STOPCOCK:
 - Response Time: 0.5 seconds minimum
 - Pressure (Liquid): 0-120 mmHg
 - Rated Flow (Liquid): 20 cc/min
 - Pressure (LPAS): 0-120 mmHg
 - Rated Flow (LPAS): 1.2 slpm

- PHACOEMULSIFICATION:
 - TORSIONAL / TRADITIONAL
 - Sub modes: Burst, Pulsed, Continuous
 - Tip Stroke @ 100%: 3.5 ± 0.5 mils
 - Resonant Frequency: 34khz – 42Khz ± 10%
 - Pulse Rate Range: 0-100 pulses per second
 - Burst Length: 2.5 sec – user adjustable
 - Burst Pulse durations: 5 ms to 500 ms

- ANTERIOR VITRECTOMY:
 - Sub modes: Wet, Dry
 - Cut Rate: 0 to probe maximum

- GREEN LASER 532nm(optional):
 - Treatment beam:
 - Class: IV
 - Power: 30 mW to 2 W (maximum)
 - Wavelength: 532 nm
 - Aiming beam:
 - Class: II
 - Power: less than 1 mW
 - Wavelength: 635 nm ± 5 nm

RS. 14500000.00 DDP Fourteen Million five lac only
USD 115000.00 C&F ONE LAC FIFTEEN THOUSAND ONLY



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FINANCIAL OFFER Quotation for Medical Equipment

SUB:

Dear Sir,
In response of your enquiry, we are pleased to offer you our TECHNICAL BID

S.NO.	DESCRIPTION	QTY.	UNIT PRICE
-------	-------------	------	------------

Item no. 30:-

Ventilator for Intensive Care Unit
Model: eVolution 3e Essential
Make: eVent Medical – USA

Features:

- Suitable for Adult and Pediatric Patients.
- Integrated high performance turbine technology.
- Invasive and noninvasive techniques.
- 12.1" LCD Touch Screen Display.
- Internal Battery backup support for 2 hours.

Modes of Ventilation

- Assisted Control Mandatory Ventilation (CMV).
- Synchronized Intermittent Mandatory Ventilation (SIMV).
- Spontaneous Ventilation (CPAP + PS, CPAP + VS, SPAP).

Prioritized Alarms (High, Medium and Low)

- Auto set alarm feature & 1000 Event log.

Breathe Types

- Volume-controlled (V-CMV; V-SIMV)
- Pressure-controlled (P-CMV; P-SIMV, PS)
- Volume Targeted Pressure-controlled (PRVC-CMV; PRVC-SIMV, VS)

Additional Features

- Apnea Backup Ventilation
- Active Exhalation Valve
- Automatic Leak Compensation (up to 60 lpm)