

PHONE NO: 071-9310213 FAX 9310119.

OFFICE OF THE MEDICAL SUPERINTENDENT GHULAM MUHAMMAD MAHAR
MEDICAL COLLEGE HOSPITAL SUKKUR

NO: MS/GMCHS/P/Sukkur

DATED: 10 March 2018.

To,

4704/6

✓ The Managing Director,
SPPRA Sindh Secretariat,
Karachi.

SUBJECT: SUBMISSION OF ESTABLISHMENT OF 50 BEDDED MEDICAL & SURGICAL ICU WITH EXPANSION OF OTHER UNITS AT GMMMC HOSPITAL SUKKUR. ADP NOTIFICATION PC, CRC, ANNUAL PROCURMENT PLAN AND BIDDING DOCUMENTS.

Enclosed please find herewith the following documents for NIT to be published and hoisting on SPPRA Website.

- | | |
|--|-------------|
| 1. Notification of Procurement Committee. | Annexure -A |
| 2. Notification CRC. | Annexure -B |
| 3. Annual Procurement Plan | Annexure -C |
| 4. Bidding Documents with evaluation Certificate | Annexure -D |
| 5. Copy of NIT | Annexure -E |
| 6. Copy of News paper | Annexure -F |

This is for information and early process please.

G. M. Mahari
MEDICAL SUPERINTENDNET
GMMMC HOSPITAL SUKKUR

Copy forwarded to the Secretary Health Department Government of Sindh Karachi.
Copy forwarded to the Additional Secretary (Development) Government of Sindh Karachi.

MEDICAL SUPERINTENDNET
GMMMC HOSPITAL SUKKUR

SPPRA INWARD DIARY
NO: 6914
DATED: 012/03/2018



**GOVERNMENT OF SINDH
HEALTH DEPARTMENT**

NOTIFICATION

No.SO(PM&I)2-1/17-18/PM-08(GMCHS): A Procurement Committee under Rules-7 of Sindh Public Procurement Rules 2010 (Amended 2017) is hereby constituted comprising the following procurement committee for purchase of revenue component of ADP Scheme namely "Establishment of 50 Bedded Medical & Surgical ICU with Expansion of Other Units at GMMMC Hospital Sukkur" in current financial year 2017-18.

01.	Medical Superintendent, GMMMC Hospital Sukkur.	Chairman
02.	Additional Medical Superintendent, GMMMC Hospital Sukkur.	Member
03.	Representative of Commissioner, Sukkur Division, Sukkur.	Member

The TORs / Functions / Responsibilities of the Procurement committee in accordance with Rule-8 of SPP Rules 2010 shall be as under:

- Preparing bidding documents;
- Carrying out technical as well as financial evaluation of the bids;
- Preparing evaluation report as provided in Rule-45;
- Making recommendations for the award of contract to the competent authority;
- Perform any other function ancillary and incidental to the above.

SECRETARY HEALTH

No.SO(PM&I)2-1/17-18/PM-08(GMCHS):

Karachi, dated:27/3/ Feb., 2018

C.C to:

- The Managing Director, Sindh Public Procurement Regulatory Authority, Karachi.
- The Medical Superintendent, Ghulam Muhammad Mahar Medical College Hospital, Sukkur with reference to his letter dated: 25.01.2018.
- The Chairman & all members of the Committee.
- The P.S. to Secretary Health.


(NAVEED AHMED SOOMRO)
SECTION OFFICER (PM&I)



GOVERNMENT OF SINDH
HEALTH DEPARTMENT

NOTIFICATION

No.SO(PM&I)2-1/17-18/PM-08(GMCHS): A Technical Committee is hereby constituted comprising the following for Technical Evaluation of Bids for procurement of revenue component of ADP Scheme namely "Establishment of 50 Bedded Medical & Surgical ICU with Expansion of Other Units at GMMMC Hospital Sukkur", for the financial year 2017-18.

01.	Addl: Medical Superintendent, GMMC Hospital Sukkur.	Chairman
02.	Head of Surgery Department, GMMM College & Hospital Sukkur.	Member
03.	Head of Medicine Department, GMMM College & Hospital Sukkur.	Member
04.	Head of Anaesthesia Department, GMMM College & Hospital Sukkur.	Member
05.	Head of Radiology Department, GMMM College & Hospital Sukkur.	Member

SECRETARY HEALTH

No.SO(PM&I)2-1/17-18/PM-08(GMCHS):

Karachi, dated: 21st, February, 2017

C.C. to:

1. The Managing Director, Sindh Public Procurement Regulatory Authority, Karachi.
2. The Medical Superintendent, Ghulam Muhammad Mahar Medical College Hospital, Sukkur with reference to his letter dated: 25-01-2018.
3. The Chairman & all members of the Committee.
4. The P.S. to Secretary Health.


(NAVEED AHMED SOOMRO)
SECTION OFFICER (PM&I)



NO. HD(P&E) 3-2(427)/14
GOVERNMENT OF SINDH
HEALTH DEPARTMENT
(Procurement, Monitoring and Inspection Cell)

NOTIFICATION

No. HD(P&E) 3-2(427)/2014, in supersession to this department's notification of serial number dated: 10-06-2017 and in pursuance of Rule 34 of the Sindh Public Procurement Rules, 2010, the Govt. of Sindh, Health Department, re-constituted ~~Complaints Review Committee~~ comprising of the following officers for scrutinizing the complaints of aggrieved bidder against tender invited by Health institutions / Hospitals / Programs / Projects in Sindh

01	Secretary Health, Govt. of Sindh	Chairman
02	Representative from Accountant General Sindh	Member
03	Independent expert from relevant field concerning (to be nominated by the Head of Procuring Agency)	Member
04	Deputy Secretary (PM&I)	Member Secretary
05	Deputy Secretary (General)	Member

TERMS

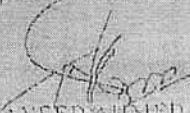
- To scrutinize the complaints from the aggrieved bidders and resolve them strictly in accordance with SPP Rules 2010

SECRETARY HEALTH

NO. HD(P&E) 3-2(427)/2014

C.C. to:

1. The Director General Health Services Sindh, Hyderabad
2. The District Health Officers (All)
3. The Medical Superintendents (All)
4. The P.S. to Chief Secretary Sindh, Karachi
5. The Managing Director, Sindh Public Procurement Regulatory Authority, Karachi
6. The Special Secretary Adm. Secretary (Admin/Development/Public Health) Health Department
7. The Chairman & all members of the committee
8. The P.S. to Secretary Health


NAVEED AHMED SOOMRO
SECTION OFFICER (PM&I)



Phone # 99203108, 99204203
No. SO (M&I) 2-1/2013 (CRC)
GOVERNMENT OF SINDH
HEALTH DEPARTMENT
(PROCUREMENT MONITORING & INSPECTION CELL)
Karachi. Dated: the 28th March, 2015

NOTIFICATION

In supersession of this Department's notification of even number dated: 29th July, 2013 and in pursuance of Rules-31 and 32 of Sindh Public Procurement Rules 2010, the Government of Sindh, Health Department re-constitutes Complaint Redressal Committee (CRC) comprising of the following officers for scrutinizing the complaints of aggrieved bidders against tender invited by Health Institutions / Hospitals / Programmes / Projects in Sindh.

01	Secretary Health Department, Sindh	Chairman
02	Additional Secretary(PM&I), Health Department, Sindh	Member
03	Professor Khalida Soomro, Professor of Cardiology, Dow University of Health Sciences / Civil Hospital, Karachi.	Member
04	Dr. Syed Khalid Hussain, Procurement Executive, N.I.C.V.D., Karachi.	Member
05	Representative from Accountant General Sindh, Karachi	Member

TORs

- To scrutinize the complaints from the aggrieved bidders and decide the cases strictly in accordance with SPP Rules 2010.

IFTIKHAR ALI SHALLWANI
SECRETARY HEALTH

No. S.O.(PM&I) 2-1/2011(CRC)

Karachi, dated: the 28th March, 2015

C.C to:

1. The P.S. to Chief Secretary Sindh, Karachi.
2. The Managing Director, Sindh Public Procurement Regulatory Authority, Karachi.
3. The Executive Director, NICVD, Karachi.
4. The Director General Health Services Sindh, Hyderabad.
5. The Additional Secretary (Admn/Development/Public Health), Health Department.
6. The Chairman & all members of the Committee.
7. The P.S. to Secretary Health Sindh.

(RASHID HUSSAIN)
SECTION OFFICER (PM&I)

Sr.#	Description of Procurement	Quantity (where Applicable)	Estimated Unit Cost (where applicable) Million	Funds allocated (million)	Source of funds (ADPs Non ADPs)	Proposed Procurement Method	Timing of Procurements				Remarks
							1 st QTR.	2 nd QTR.	3 rd QTR.	4 th QTR.	
1.	Purchase of Drugs / Medicines (15%) Local Purchase on Daily Emergency basis & from Zakat Fund	Mentioned in the Tender Form	N/A	32.00 (M)	NON - ADP	SPPRA Rules 2010 Clause 46(2) S	✓	✓	✓	✓	-----
2.	Diet for Patients	Mentioned in the Tender Form	N/A	16.61(M)	NON - ADP	SPPRA Rules 2010 Clause 46(2) S	✓	✓	✓	✓	-----
3.	Consumables / Laboratory Items	Mentioned in the Tender Form	N/A	10.152 (M)	NON - ADP	SPPRA Rules 2010 Clause 46(2) S	✓	✓	✓	✓	-----
4.	Security (Security Guard)	Mentioned in the Tender Form	N/A	5.00 (M)	NON - ADP	SPPRA Rules 2010 Clause 46(2) S	✓	✓	✓	✓	-----
5.	Medical Gas (Oxygen, Nitrous Oxide Etc.)	Mentioned in the Tender Form	N/A	4.714(M)	NON - ADP	SPPRA Rules 2010 Clause 46(2) S	✓	✓	✓	✓	-----
6.	Uniforms & Protective Clothes	Mentioned in the Tender Form	N/A	1.719(M)	NON - ADP	SPPRA Rules 2010 Clause 46(2) S	✓	✓	✓	✓	-----
7.	Other Misc: (Petty Articles)		N/A	1.719 (M)	NON - ADP	SPPRA Rules 2010 Clause 46(2) S	✓	✓	✓	✓	-----
8.	Repair & Maintenance of Machinery & Equipments	Mentioned in the Tender Form	N/A	2.499 (M)	NON - ADP	SPPRA Rules 2010 Clause 46(2) S	✓	✓	✓	✓	-----
9.	Repair & Maintenance of Office Buildings	Mentioned in the Tender Form	N/A	83.60 (M)	NON-ADP	SPPRA Rules 2010 Clause 46(1) S	✓	✓	✓	✓	-----
10.	Purchase of Plant & Machinery & Equipments	Mentioned in the Tender Form	N/A	50.00 (M)	NON-ADP	SPPRA Rules 2010 Clause 46(1) S	✓	✓	✓	✓	-----
11.	Establishment of 50 Bedded Medical & Surgical ICU with Expansion of other Units at GMMC Hospital Sukkur.	Mentioned in the Tender Form	As per PC-1	107.00 (M)	ADP	SPPRA Rules 2010 Clause 46(1) S	✓	✓	✓	✓	-----

PHONE NO.071-9310213

FAX NO. 071-9310119

OFFICE OF THE MEDICAL SUPERINTENDENT GHULAM MUHAMMAD MAHAR

MEDICAL COLLEGE HOSPITAL SUKKUR

NO.GMCH/Sukkur/

4247/52

DATED

03 March 2018.

CORRIGENDUM

In continuation of NIT NO: MS/GMCHS/3116/19 dated 15-02-2018, already published in various Newspapers Dawn, Jung and kawish.

Description	1	Purchase of Revenue Component of ADP Scheme Namely Establishment of 50 Bedded and Surgical ICU with Expansion of Other Units at GMMC Hospital Sukkur.	Cost of Tender Rs. 3000/- for each component
Dated of Sale of Tender Document		From the publication of Tender in Newspapers.	
Last date of Sale of Tender		27-03-2018 upto 02:00 PM	
Date of Submission of Tender		29-03-2018 upto 02:00 PM	
Date of Opening		29-03-2018 at 03:00PM	
Tender Opening Venue		Office of the Medical Superintendent GMMC Hospital Sukkur	

Whereas all the other terms & conditions are same.

21/3/18
MEDICAL SUPERINTENDENT
GMMC HOSPITAL SUKKUR

7. Copy submitted to the Secretary Health Government of Sindh Karachi for kind information.
8. Copy forwarded to the Managing Director SPPRA Government of Sindh Karachi for information.
9. Copy forwarded to the Director (Information & Advertising) Information Department Government of Sindh Karachi for information and seven (07) copies for early publication in three (03) leading News Papers Sindhi, Urdu and English.
10. Copy forwarded to the Director (A&F) SPPRA/3.15 Government of Sindh Public Procurement Regulatory for information, along with soft & hard copy of Notice for information and placing the same on the SPPRA Web site.
11. Copy for member Procurement Committee for information.
12. Copy to Notice Board.

21/3/18
MEDICAL SUPERINTENDENT
GMMC HOSPITAL SUKKUR

PHONE NO: 071-9310213 FAX 9310119.
OFFICE OF THE MEDICAL SUPERINTENDENT GHULAM MUHAMMAD
MAHAR MEDICAL COLLEGE HOSPITAL SUKKUR
NO: MS/GMCHS/ Sukkur/
2018.

DATED: 15/02/2018.

3116/19.

NOTICE INVITING TENDER

The Medical Superintendent, GMMMC Hospital Sukkur hereby invites the sealed bids from interested and eligible bidders who fulfill the eligibility criteria for the Purchase of Revenue Component of ADP Scheme namely Establishment of 50 Bedded Medical & Surgical ICU with Expansion of other units at GMMMC Hospital Sukkur. Plant, Machinery and Fixture for GMMMC Hospital Sukkur under the relevant provision of Sindh Public Procurement Rules 2010 (Amended 2017).

The bids must be submitted on opening date of tenders one hour prior i.e. upto 2:00 PM which will be opened publicly in the presence of the bidders or their authorized representatives who choose to attend at 3:00 AM in the Office of the Medical Superintendent Ghulam Muhammad Mahar Medical College Hospital Sukkur.

All bids must be accompanied by a bid security @ 2% of the total quoted cost in shape of pay order/bank guarantee.

The chairman procurement committee reserves the right to postpone / accept / reject any or all bids under the relevant provision of Rule 25 Sindh Public Procurement Rules 2010 (Amended 2017).

The complete set of tender enquiry / bidding documents may be purchased from Office of the Medical Superintendent GMMMC Hospital Sukkur on submission of written application on the letter head of registered firms/company upon cash payment of non-refundable fee mentioned below from the date of publication of advertisement in newspapers.

Description of Stores	Purchase of Revenue Component of ADP Scheme namely Establishment of 50 Bedded Medical & Surgical ICU with Expansion of other units at GMMMC Hospital Sukkur.	Tender Fee Rs. 3000/-
Date of Sale of Tender Document	From the date of publication of Tender in Newspapers.	
Last date of Sale of Tender	15-03-2018 upto 2:00 PM	
Date of Submission of Tender	17-03-2018 upto 2:00PM	
Date of Opening	17-03-2018 upto 3:00PM	
Tender Opening Venue	Office of the Medical Superintendent GMMMC Hospital Sukkur	

N.B.

- In case, the Chairman Procurement Committee is out of Headquarter or any of the member is not available and if the Govt announces Public Holiday then Tender will be submitted and opened on next working day following all the same terms and conditions.
- All NITs shall be included Government Taxes such as Professional Tax, GST and SRB wherever applicable.
- Information regarding this NIT may also be downloaded from SPPRA website www.pprasindh.Gov.pk & Sindh Government Website: www.sindh.gov.pk and the website of GMMMC Hospital.

15/2/18
MEDICAL SUPERINTENDENT
GMMMC HOSPITAL SUKKUR

No.GMCH/Sukkur/4259/65 Dated: 03 March, 2018
 فون: 071-9310119 فیکس: 071-9310213

تصحيح

اين آءي نمر: MS/GMCHS/3119/45 تاريخ: 15-02-2018 جي تسلسل ۾
 جيڪو اڳ پر ئي مختلف اخبارن، وان، جنگ ۽ ڪراچي پبلڪيشن جي ڇپيو آهي.
 تفصيل: 1. پبلڪيشن، ڪراچي ۽ اڪيڊميڪس، سي، ڪراچي
 ٽينڊر ڪاغذن جي وڪري جي تاريخ: ٽينڊر جي اخبارن پر شايع ٿيڻ کان
 ٽينڊر وڪرائڻ جي آخري تاريخ: 27-03-2018 منجهند 2:00 وڳي تائين 3000 روپيا
 ٽينڊر امائڻ جي تاريخ: 29-03-2018 منجهند 2:00 وڳي تائين هر هڪ
 ڪولڻ جي تاريخ: 29-03-2018 ٽينڊر 3:00 وڳي ڪمپوٽنٽ
 ٽينڊر ڪولڻ جو هنڌ: آفيس آف ڊي ميڊيڪل سپرنٽينڊنٽ لاءِ
 GMMMC اسپتال سکر

جڏهن ته ٻيا سهڻا شرط ۽ ضابطا ساڳيا رهندا.

ميڊيڪل سپرنٽينڊنٽ
 اسپتال سکر GMMMC

INF/KRY.No:1252/2018

SAY NO TO CORRUPTION
 اسان دهشتگردي جي خلاف متحد آهيون



آفيس آف ڊي ميڊيڪل سپرنٽينڊنٽ غلام محمد مهر ميڊيڪل ڪاليج اسپتال سکر
 No.GMCH/Sukkur/4247/52 Dated: 03 March, 2018
 فون: 071-9310119 فیکس: 071-9310213

تصحيح

اين آءي نمر: MS/GMCHS/3116/19 تاريخ: 15-02-2018 جي تسلسل ۾
 جيڪو اڳ پر ئي مختلف اخبارن، وان، جنگ ۽ ڪراچي پبلڪيشن جي ڇپيو آهي.
 تفصيل: 1. ADP اسپتال جي روٽيشن ڪمپوٽنٽ جي
 خريداري جوڙوڪ GMMMC اسپتال سکر
 50 ٽنڊر جي ٻه جڙوڪ آهن پر هر
 ٽينڊر ڪاغذن جي وڪري جي تاريخ: ٽينڊر جي اخبارن پر شايع ٿيڻ کان
 ٽينڊر وڪرائڻ جي آخري تاريخ: 27-03-2018 منجهند 2:00 وڳي تائين هر هڪ
 ٽينڊر امائڻ جي تاريخ: 29-03-2018 منجهند 2:00 وڳي تائين ڪمپوٽنٽ
 ڪولڻ جي تاريخ: 29-03-2018 ٽينڊر 3:00 وڳي لاءِ
 ٽينڊر ڪولڻ جو هنڌ: آفيس آف ڊي ميڊيڪل سپرنٽينڊنٽ لاءِ
 GMMMC اسپتال سکر

جڏهن ته ٻيا سهڻا شرط ۽ ضابطا ساڳيا رهندا.

ميڊيڪل سپرنٽينڊنٽ
 اسپتال سکر GMMMC

INF/KRY.No:1253/2018

SAY NO TO CORRUPTION
 اسان دهشتگردي جي خلاف متحد آهيون



آفيس آف ڊي ميڊيڪل سپرنٽينڊنٽ
 سنڌ گورنمينٽ لياري جنرل هاسپيٽل، ڪراچي

حليم شنگر (سينيئري ورڪر)، گهر جي ائڊريس:
 سنڌ گورنمينٽ لياري جنرل اسپتال، ڪراچي ڏانهن: پوسٽل فائل پر فراهم ڪيل نه آهي.

وٽيڪنالاجي TV موبائل ٽيچ
 سوري ڪارڊ، ڪيٽريون ٽي
 ۽ ميريڪ پليسر، ڊيو پيڪ



0300-45666

VIT موبائل گهرايو
 نگر قيمت
 ڊيو 2300 روپيا
 ڪارٽي 1 سال



0345-495

ڪورٽ برٽش
 آءِ.ع.م.ع. عبدالستار سومرو، ايڊيشنل سيشن جج -
 لسٽ ۾ سيشن ڪيس نمبر 468/2010 سرڪار ... پاران
 ماهي خان ولد مگو خان سائيبل ويٺل ڪوٽ جاني بند ٿيل
 نصير آباد، فرمايو خلاف (1) غلام محسن ولد بقا
 محمد (2) اٺل پٽ علان (3) اظهير پٽ علان (4) عطار عرف
 ظفر ولد عبدالستار ذات جا ٻه ڌيڙا ويٺل ڪوٽ جاني بند
 هلقو نصير آباد ... جوابدار ڏهه ڦلر 302 324 148
 141 جي پي سي گاهه نمبر 2010 53 نالو نصير آباد
 رتي منڙا علي ولد بيگو خان سائيبل ويٺل ڪوٽ جاني بند
 هلقو نصير آباد وارن (1) سمات حاکو ڦلر ڙال بيگو
 ان اڻوٽي منڙا جي ماڻا (2) سمات اختيار خاتون ڙال
 حور منڙا علي (3) شران علي ولد مرحوم منڙا علي (4)
 سمات سڪندر ڏي، مرحوم منڙا علي (5) سمات
 وڏي، مرحوم منڙا علي (6) سمات سائيد ڏي، مرحوم
 ڏي علي (7) عرفان علي ولد مرحوم منڙا علي (8)
 پي فرهادي ماهي خان ولد بيگو خان (9) ڏکڻي ساهند
 حيدر ولد علي حسن، سب ذات جا سائيبل ويٺل ڪوٽ
 بند تعلو نصير آباد جنهن ۾ سيشن ڪيس ۾ اڻوٽي
 وارن ۽ جوابدارن پاران هن عدالت ۾ راضي نامي لاءِ
 استون زير رقم (2) 345، (6) 345 سي آر پي سي
 ويٺي راضي ڪيل عدالت داخل ڪيون آهن تنهنڪري
 لياري وارن سيشن ڏيندي هر خاص ۽ عام ماتحتي کي آگاهه
 جي نه نومي جو رپورٽ هجي يا ڪنهن کي خبر
 نه هجي تاريخ 14-03-2018 تي صحيح جي
 آرڊر تي ڪورٽ ۾ حاضر رهي اعتراض داخل ڪندو
 روت ۽ ڪيس جو نالو مطلق لفظ ڪيو ويو
 وي صحيح ۽ هن ڪورٽ جي مهتر سان تاريخ 03
 2018 تي جاري ڪيو ويو جيڪو رپورٽ ايڊيشنل
 ڪورٽ نمبر

عار اطلاع
 آفيس ۾ حيدرآباد محمد لطيف گزڪر
 ت ڏني آهي تڏهن پي محمد لطيف ولد علي
 ڪر تاريخ 14-08-2011 تي سندس چاهو
 بند ولد علي گوهر تاريخ 10-10-2005 تي ۽
 باجي جو پٽ سارن ولد عبدالحميد تاريخ
 22-06-2005 تي فوت ٿيا آهن. فوتين جو گمان

101
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100

13th March, 2018.
All other terms and conditions shall remain same.

دعوي ڪندي مئس جيس داخل ڪري
ورثي آهي

13th March, 2018.
All other terms and conditions shall remain same.

دعوي ڪندي مئس جيس داخل ڪري
ورثي آهي

38 **مٿيا**
جائيل جو پٽان ڪالوني واري علائقي مان
واقعي شيخ جي مورتا ليڪل ڪاهي لهر
ٿي ويا. بلا واري ته ڪاليج حسن آباد ٿاڻي
جن علائقي واهاري 48 لک روپي جي
قرين ٿي هئي. جنهن جا حوالا اڃا تائين
پوليس ٺرڻا ٺر ڪري سگهجي آهن.

39 **مٿيا**
ع. علو ٻه ٻه ڪري مقرر ڪري واراڻن
عقلي خلاف نغرا هلي احتجاج شروع ڪيو
پيٽر هلي اسپتال جا شيشا ۽ فوٽيجر ڇڏين
ڇڏين بعد ٻه مقتول جو لاش ڇانڊو
اسپتال جي برده خاني ۾ منتقل ڪيو ويو
جتي ضروري ڪارروائي بعد لاش واراڻن
حوالي ڪيو ويو. واقعي بابت معلوم ٿيو
آهي ته مقتول معقول هلي سوسرو ملارو
هو جتي ملازم ۽ مالڪن ۾ هفتي کان

39 **مٿيا**
هن ڪشائي گهر آڏو ڇڏي ويا. ٻن ٻنهن کان
گهر ۾ گهٽ ٿيڻ کان لاجار قبيل نينڪر
پنهنجي گهر ڏانهن ٿي پيل بوهي ماد پڪو
۽ مائٽن جي موجودگي ۾ ڏانهندي چيو ته
گهر جي سراج ۽ ٻين سڙوڙي لاءِ ڪي
ڏانهن وڃي ويا. جتي سون سان اهو نظر
ڪيو آهي. هن ويڙهه چيو ته ٽن ورهين
مونکي ٽن ٽن مسلسل زيادتي ڪئي
هئي. پٽي پاسي نينڪر جي اسو هرو پيا
مشتاڻ، برڪت، حسب الله علي مرنهڙي
مائي تاهل ٻين ٻهڙين ۽ ٻين ڏانهندي چيو
ته هڪ طرف ظالم سان جو معصوم نينڪر
ٽيڙيڻ ڪيو آهي. پٽي طرف ڪيس داخل
ڪيو آهي. سامري تي اسان کي گهر مان لڏائڻ
جون لڏڪڻون ملي رهيون آهن. هنن هاءِ
حڪومت سٺي قانون لاڳو ڪندڙ ادارن کان
انصاف جي گهر ڪئي آهي. اسان جي اڳوڻي
سلطانپور ويڙهه ڪري ٿي ٻڌايو ته مان
نينڪر معقول ورن جو تحفظ ڪندس
هو ڏانهن وڃي آيس ٿي هڪو ٻڌايو ته نينڪر
سان بددعويٰ واقعي جي سڌو ڪاڻي ٿي
ڀرپور ڍڳ ڪري ڏهاري گرفتار ڪيا
آهن هن چيو ته ڊاڪٽر پاران ميڊيڪل
ريورٽ ليجي بعد ايف آءِ آر داخل ڪئي
وندي

9310119، فون نمبر، 071-9310213، فون نمبر

**آفيس آف ڊي ميڊيڪل سپرنٽنڊنٽ غلام
محمد مهر ميڊيڪل ڪاليج اسپتال سکر**
No.MS/GMCHS/SUKKUR/3116/19 dated: 15.02.2018

ٽينڊر گهرائڻ جو نوٽيس

1. آفيس آف ڊي ميڊيڪل سپرنٽنٽ GMMMC اسپتال سکر پاران سپرنٽنڊنٽ
خواجه احمد اهل بارسر کان جيڪي اڳئين جي وڃي ٻنڌي ٿي پورو ٿيندو هنن پاران، پهرين
آف ويو ڪمپونٽ آف ADP اسڪوپ ٽي اسٽيٽسٽ آف 50 ميڊيڪل سکر
سرجيڪل ICU سان ايڇيٽسٽس بين پورٽس جي آف GMMMC اسپتال سکر
وندي گهرائڻ ٿا. پلاٽ مشينري ۽ ٽيڪسٽوريل GMMMC اسپتال سکر
لاڳاپيل مشينري پڻ ڏانهن 2010 (ترميم 2017) جي پورٽس جي تحت
راڌ لاءِ مع ڪراڻين کان واري تاريخ ٽينڊر جي هيءَ خلا لاءِ 2.00 رڳن تائين
جيڪي عوامي طور تي پورٽس يا سندن جهاز نمائندگي جيڪي موجوده رهن گهرن 3.00 رڳن
آفيس آف ڊي ميڊيڪل سپرنٽنٽ غلام محمد مهر ميڊيڪل ڪاليج اسپتال سکر ۾
ڪوٺايو ويندو.

سڀني واراڻن سان واڪه ضمانت ڏيڻ لاءِ 2- برابر بصورت هي آڏو / ٽينڊر گهرائڻ
جمع ڪرائڻي گهرجي.
چيئرمين پروفيسر مٿي ڪميٽي جي مٿي ڪن: قبول ڪرڻ / رد ڪرڻ ڪري يا سڀني
واڪه ڳالهه ڳالهه پورٽس آف 25 سٽيل پروفيسر مٿي 2010 (ترميم
2017) جي تحت جو اختيار مليل آهي.
ٽينڊر ٽيڪنولاجي / واڪه ڪاليجات جو مڪمل سٽ خريدي سگهجي ٿو آف ميڊيڪل
سپرنٽنٽ GMMMC اسپتال سکر مان ڪنهن به ڪو واري ڏينهن لکت ۾ درخواست
ليتر هيو رسترو فرم / ٽيڪسٽوريل جي ٽي ڏينهن جي مهينن مطابق اختيار جي
اغيارن ۽ اشاعت جي تاريخ کان حاصل ڪري سگهجن ٿا.

اسٽورن جو تفصيل	اخبارن ۽ اشاعت جي تاريخ کان
پهرين آف ويو ڪمپونٽ آف ADP اسڪوپ هي اسٽيٽسٽ آف 50 ميڊيڪل سکر سرجيڪل ICU سان ايڇيٽسٽس بين پورٽس جي آف GMMMC اسپتال سکر	15-03-2018 تي 2.00 رڳن
ٽينڊر ڪاليجات جي وڃڻي اخبارن ۽ اشاعت جي تاريخ	17-03-2018 تي 2.00 رڳن
ڪنهن جي تاريخ	17-03-2018 تي 3.00 رڳن
ٽينڊر کان جهڙوڪ	آفيس آف ڊي ميڊيڪل سپرنٽنٽ GMMMC اسپتال سکر

3. هر ڏينهن پروفيسر مٿي ڪميٽي غير موجوده هوندي يا ڪو ڪمپونٽس هوندي ۽ اگر ڪمپونٽس پاران
دعا ڪيل جوابيل ڪمپونٽس ٽينڊر جمع ٿيڻ کان پوءِ ٽينڊر ڪمپونٽس مان ڪو ڪمپونٽس جي
سڌو ڪرڻ ۽ ٽينڊر جو سکر جي ٽيڪسٽوريل جي ٽي ڏينهن جي مهينن مطابق اختيار جي
غور ڪرڻ شامل ڪيا ويندا.
3. هر ڏينهن پروفيسر مٿي ڪميٽي غير موجوده هوندي يا ڪو ڪمپونٽس هوندي ۽ اگر ڪمپونٽس پاران
دعا ڪيل جوابيل ڪمپونٽس ٽينڊر جمع ٿيڻ کان پوءِ ٽينڊر ڪمپونٽس مان ڪو ڪمپونٽس جي
سڌو ڪرڻ ۽ ٽينڊر جو سکر جي ٽيڪسٽوريل جي ٽي ڏينهن جي مهينن مطابق اختيار جي
غور ڪرڻ شامل ڪيا ويندا.
www.pprasindh.gov.pk ۽ سٽيل
www.sindh.gov.pk مان پڻ ورتو وڃي سگهجي ٿو.
INF- KRY No.1080/18

ميڊيڪل سپرنٽنڊنٽ
GMMMC اسپتال، سکر

40 **مٿيا**
ڪيسن 2015 ۽ جيس 24 فيبروري
201 ۾ ٿي ٿيڻ هي اهو ڪمپونٽس ٽيڊر سٽيڻ
ڪري مٿي ڪيو ويو آهي هائي اهو
بانور ڪيسن 10 مارچ 2018 ۾ ٿي
ٿيو.

41 **مٿيا**
پورٽس رهيو آهي پاڪستان 3 ارب
ٻين کان وڌيڪ مٿس وارو ٿيڻ آهي
ٿي ٿيڻ هي اهو ڪمپونٽس ٽيڊر سٽيڻ
ڪري مٿي ڪيو ويو آهي هائي اهو
بانور ڪيسن 10 مارچ 2018 ۾ ٿي
ٿيو.

42 **مٿيا**
وندي گهرائڻ ٿا. پلاٽ مشينري ۽ ٽيڪسٽوريل
لاڳاپيل مشينري پڻ ڏانهن 2010 (ترميم 2017) جي پورٽس جي تحت
راڌ لاءِ مع ڪراڻين کان واري تاريخ ٽينڊر جي هيءَ خلا لاءِ 2.00 رڳن تائين
جيڪي عوامي طور تي پورٽس يا سندن جهاز نمائندگي جيڪي موجوده رهن گهرن 3.00 رڳن
آفيس آف ڊي ميڊيڪل سپرنٽنٽ غلام محمد مهر ميڊيڪل ڪاليج اسپتال سکر ۾
ڪوٺايو ويندو.

43 **مٿيا**
شوخ ريجنل سيڪريٽري قاهر ملڪ ۽
ٿيڻ هي اهو ڪمپونٽس ٽيڊر سٽيڻ
ڪري مٿي ڪيو ويو آهي هائي اهو
بانور ڪيسن 10 مارچ 2018 ۾ ٿي
ٿيو.

44 **مٿيا**
ٿيڻ هي اهو ڪمپونٽس ٽيڊر سٽيڻ
ڪري مٿي ڪيو ويو آهي هائي اهو
بانور ڪيسن 10 مارچ 2018 ۾ ٿي
ٿيو.

24-2-2018
Masooma

Price was down 0.4pc at \$10.54 an ounce, palladium firmed by 0.2pc to \$1,040.30 and platinum dipped by 0.3pc to \$987.49.—Reuters

13th March, 2018.
02. All other terms and conditions shall remain same.
General Manager (P&CA)
28-Mauve Area, G-9/1, Islamabad
Phone: 051-9032727, Fax: 051-9260419
Email: gmoca@pna.gov.pk, Website: www.pna.gov.pk

BALOCHISTAN UNIVERSITY OF ENGINEERING & TECHNOLOGY KHUZDAR
BUY NO TO CORRUPTION
OFFICE OF THE PROJECT DIRECTOR
NOTICE INVITING TENDER

Sealed bids are invited from experienced well reputed firms registered with sales tax / income tax for procurement of Laboratory Equipment on firm cost / Cost & Freight (C&F) basis for Electrical Engineering Department at Balochistan University of Engineering & Technology (BUET) Khuzdar with 2% Bid Security in the shape of pay order / bank draft in the name of Project Director, BUET, Khuzdar.

Eligibility: Income Tax, GST registered firms

Method of Procurement: Single Stage - Two Envelope Procedure for selection of firm in accordance with section 35 (b) of PPRA Rules 2004. single package containing two separate envelopes each envelope should be clearly marked as "FINANCIAL PROPOSAL" and "TECHNICAL PROPOSAL"

Issuance of Tender Documents: will be issued from publishing of this advertisement (During office time)

Documents: Documents will be issued against the paid challan/pay order / bank draft, Cash of Rs. 1500/- (Non-Refundable) in favour of Project Director, BUET, Khuzdar. The Tender Document can also be downloaded from the University website www.buetk.edu.pk and the PPRA website: www.ppra.org.pk

Date & Time of Bid Submission: 15-03-2018 at 1200 Hours
Date & Time of Bid Opening: 15-03-2018 at 1230 Hours

In case of any Holiday or unforeseen situation or incidence, the bids shall be issued, submitted & opened on the next working day as per schedule. Place of issuance, submission, inquiries and opening will be at Conference Hall, BUET, Khuzdar.

Terms & Conditions:

- Under following conditions Bid will be rejected.
- Conditional and telegraphic bids/tenders
- Bids not accompanied by bid security & tender fee as mentioned above
- Bids received after specified date and time
- Affidavit on Stamp paper of Rs. 100/- that firm has not been black listed in any Government Organization and not involved in any litigation is not provided

Procurement agency reserves the right to reject all or any bids subject to the relevant provision of PPRA 2004

Engr. Muhammad Bashir Jattak
Project Director
Phone: 0846-521028, Fax No. 0846-413197
Email: pd@buetk.edu.pk

ID: 10/13/18

NATIONAL SECURITY PRINTING COMPANY (PVT) LIMITED.
(Ministry of Finance, Government of Pakistan)
JINNAH AVENUE, MAJID HALL, KARACHI-75100

CORRIGENDUM / ADDENDUM NO.1
TENDER # FN-047
TENDER FOR SUPPLY OF 2-COLOUR WEB PRINTING MACHINE

Reference subject tender advertisement published in daily Jang & Dawn on 03-02-2018 and also uploaded on PPRA website. Following amendments in clauses of specification sheet attached with tender document have been made:-

Clause No.	Amendment in specification
Clause # 5	Print Speed: With impression: Up to 400 to 500 Meter / Minute (or more) with Digital Numbering
Clause # 6	Print Area: (a) Width: 765 MM ± 15 MM
Clause # 7	Paper to be Printed: (a) Reel width Maximum: 770 MM + 10MM
Clause # 11	Digital Numbering: Through In-line Thermal Inkjet Printers upto 300-600 DPI

Tender opening date of the subject tender has been extended and tender will now open on 20-03-2018

Earnest money of above tender has been reduced to 3% from 5%

Other terms and conditions of the tender shall remain the same.

PID/K# 3209/17 In-Charge Purchase

OFFICE OF THE MEDICAL SUPERINTENDENT GHULAM MUHAMMAD MAHAR MEDICAL COLLEGE HOSPITAL SUKKUR
PHONE NO: 071-9310213 FAX: 9310115. DATED 15/02/2018

NO. MS/GMCHS / Sukkur / 3118/19

NOTICE INVITING TENDER

The Medical Superintendent, GMMMC Hospital Sukkur hereby invites the sealed bids from interested and eligible bidders who fulfil the eligibility criteria for the Purchase of Revenue Component / ADP Scheme namely Establishment of 50 Bedded Medical & Surgical ICU with Expansion of other units of GMMMC Hospital Sukkur, Plant, Machinery and Fixture for GMMMC Hospital Sukkur under the relevant provision of Sindh Public Procurement Rules 010 (Amended 2017).

The bids must be submitted on opening date of tenders one hour for i.e. upto 2:00 PM which will be opened publicly in the presence of a bidders or their authorized representatives who choose to attend at 00 PM in the Office of the Medical Superintendent Ghulam Muhammad Mahar Medical College Hospital Sukkur.

All bids must be accompanied by a bid security @ 2% of the total bid cost in shape of pay order/bank guarantee.

The chairman procurement committee reserves the right to post-poned / accept / reject any or all bids under the relevant provision of Rule Sindh Public Procurement Rules 2010 (Amended 2017).

The complete set of tender enquiry / bidding documents may be purchased from Office of the Medical Superintendent GMMMC Hospital Sukkur on submission of written application on the letterhead registered firms/company upon cash payment of non-refundable mentioned below from the date of publication of advertisement in newspapers.

Description of Scales	Amount of Revenue Component of ADP Scheme namely Establishment of 50 Bedded Medical & Surgical ICU with Expansion of other units of GMMMC Hospital Sukkur	Tender Fee (Rs. 3000/-)
Date of sale of Tender Document	From the date of publication of Tender in Newspaper	
Last date of Sale of Tender	15-03-2018 upto 2:00 PM	
Date of Submission of Tender	17-03-2018 upto 2:00 PM	
Date of Opening	17-03-2018 upto 3:00 PM	
Tender Opening Venue	Office of the Medical Superintendent GMMMC Hospital Sukkur	

N.B.

- In case the Chairman Procurement Committee is out of Headquarter or any of the members is not available and if the Govt announces Public Holiday then Tender will be submitted and opened on next working day following all the same terms and conditions.
- All NITs shall be included Government Taxes such as Professional Tax, GST and SRB and others, if applicable.
- Information regarding this NIT may also be downloaded from SPPRA website: www.ppra.gov.pk & Sindh Government Website: www.sindh.gov.pk and the website of GMMMC Hospital.

NE-KRY-1080/18
MEDICAL SUPERINTENDENT
GMMMC HOSPITAL SUKKUR
Say No to Corruption

24-2-2018 Dawn



**OFFICE OF THE MEDICAL SUPERINTENDENT
GHULAM MUHAMMAD MAHAR MEDICAL
COLLEGE HOSPITAL SUKKUR**

**TENDER (ADP SCHEME) FOR PURCHASE OF
FURNITURE / FIXTURE/OFFICE EQUIPMENT TO BE
INSTALLED AT GHULAM MUHAMMAD MAHAR
MEDICAL COLLEGE HOSPITAL SUKKUR**

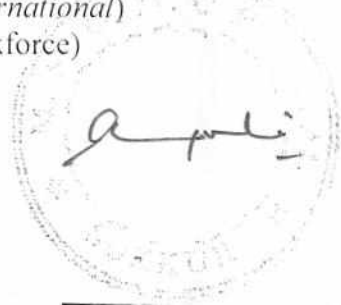
PART -B

ADP SCHEME DUE ON 29-03-2018



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 @ 2% of the total bid value of quoted items by the bidder in shape Bank Guarantee /pay order/demand draft in favour of Medical Superintendent, GMC Hospital SUKKUR. 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

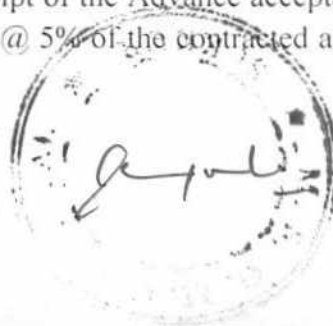
(k) Bid Form & Price Schedules (*duly filled, signed & stamped by Bidder*)

[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 unopened 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

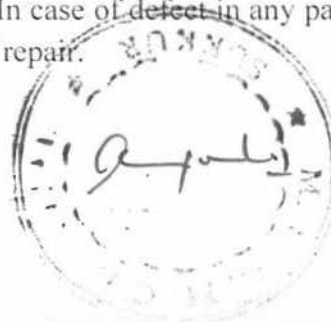
Bidder Name



General & Special Conditions of Contract

- 1) The Procuring Agency is the Medical Superintendent, Medical Superintendent, GMC Hospital SUKKUR
- 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
1	Conformity to the Technical Specifications	
	a) Fully compliant with the required specifications	
	b) Compliant with minor deviation $\leq 5\%$ (subject to main function is not affected)	
	c) Sample approved	
2	Warranty	
	a) Warranty (period as required)	
	b) Warranty (period more than required)	
3	Bidder's Legal Status, Certification & Experience	
	a) SECP Incorporation (1 point/year)	
	b) Chamber of Commerce & Industry Membership (1 point/year)	
	c) ISO 9001 Certified (1 point/year)	
	d) Purchase Orders with total value ≥ 5 million rupees (2 point/order copy)	
4	Bidder's Financial Status	
	a) Bank Certificate	
	b) Bank Statement (last two years) (Showing annual business turnover of ≥ 10 million rupees per year)	
	c) Income Tax Return (last two years) (Showing annual business turnover of ≥ 10 million rupees per year)	
	d) Audited Financial Statement (last two years)	
5	Bidder's After Sales Services in Sindh	
	a) Service Workshop	
	b) Qualified & Trained Staff a. Should have at least two technician with Bio-Data b. Should have at least one technician trained by the principal	
	c) Tools & Spare Parts List	
6	Hospital Furniture: Manufacturer / Brand	
	a) Manufacturer's Authorization	
	b) Manufacturer's Website	
	c) Brochure or Catalogue (<i>original</i>)	
	d) ISO 9001 Certificate (<i>local manufacturer</i>)	
	e) CE Certificate (<i>foreign manufacturer</i>)	
	f) Chamber of Commerce & Industry Membership (<i>local manufacturer</i>)	
	g) EOBI Registration Certificate (<i>local manufacturer</i>)	
	h) Social Security Registration Certificate (<i>local manufacturer</i>)	
	i) References of OEM brand / model (i) Government / Semi-Government Teaching Hospital / Institute (ii) Armed Forces	



	(iii) Charity Hospital / NGO	
	(iv) Private Teaching Hospital / Institute	
	(v) International Hospital / Institute	
	j) Factory (<i>local manufacturer</i>)	
	(i) Size (2 points/5000 sq. ft. space)	
	(ii) Tools	
	(iii) Machinery	
	(iv) Workforce	

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:	

**ITEMS OF FURNITURE FIXTURE FOR ESTABLISHMENT OF 24 BEDDED
MEDICAL ICU AT GMC HOSPITAL SUKKUR**



ITEM NO. 01

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	BEDS FOR SURGICAL ICE THREE FOLDER	Qty	24
Size: 2120*970*450*/700mm Control by three cranks Angle back Section: 0 – 80 Angle of nee section: 0 – 40 Adjustable height : 250mm Integrated stamping frame and mattress base are steel made with epoxy bed head/foot board are made of ABS Plastic. Standard Accessory: Two sectional I. v pole four 5 silence luxurious caster aluminum alloy collapsible type side rails. (Imported Quality) OR EQUIVALENT SO/ CE APPROVED USA/EUROPE/JAPAN/UK/PAKISTAN			

ITEM NO. 02

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	FOAM MATTRESS	Qty	24
Size 6(L)* 4(W)* 6" (Thickness) superior quality equal to molty foam with warranty. OR EQUIVALENT ISO/ CE APPROVED USA/EUROPE/JAPAN/UK/PAKISTAN			

ITEM NO. 03

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	BLANKET RED 60X90	Qty	24
Woolen Made 6x6 Blankets Washable With Complete Stitching Side Coving. OR EQUIVALENT ISO/ CE APPROVED USA/EUROPE/JAPAN/UK/PAKISTAN			

ITEM NO. 04

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	CHAIRS FOR SEMINAR HALL	Qty	20



Specifications:

- Dimension: 23" x 20" x 33" (W x D x H)
- Moulded P U Foam
- One Piece 3 D Formed ply Shells
- Fabric upholstered folding seat & back cushions
- Fabric Backings
- MS angle frame with oven bake paint
- Fabric upholstered side covers over MDF boards
- Or Equivalent

Make:

Local Export Quality

ITEM NO. 05

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

		Qty	
	TABLES FOR SEMINAR HALL		02

Size 8(L)* 4(W)* 2½(H) made in oak veneer with dark walnut polish fancy design.

OR EQUIVALENT

ISO/ CE APPROVED

USA/EUROPE/JAPAN/UK/PAKISTAN

ITEM NO. 06

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

		Qty	
	CHAIR FOR OFFICES		20

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

Make:

Local Export Quality

ITEM NO. 07

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

		Qty	
	BOOK RACK FOR LIBRARY		04

Made by lamination 6(L)* 3(W)* 15" (D) with glass door edges bidding with talhi wood computer key looking system fancy design.



OR EQUIVALENT

ISO/ CE APPROVED

USA/EUROPE/JAPAN/UK/PAKISTAN

ITEM NO. 08

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	CHAIRS FOR LABORATORY	Qty	08
--	------------------------------	------------	-----------

Frame made of she sham talhi wood seat cushioned without arms superior quality.

OR EQUIVALENT

ISO/ CE APPROVED

USA/EUROPE/JAPAN/UK/PAKISTAN

ITEM NO. 09

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	TABLES FOR LABORATORY	Qty	02
--	------------------------------	------------	-----------

Size 8(L)* 4(W)* 2½(H) made by lamination Wood edges bidding with talhi wood.

OR EQUIVALENT

ISO/ CE APPROVED

USA/EUROPE/JAPAN/UK/PAKISTAN

ITEM NO. 10

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	OFFICE TABLE	Qty	05
--	---------------------	------------	-----------

Executive Office Table

6X3X2.5 made in oak

Veneer with dark walnut polish

Side rack 48x18x30

Made oak veneer with dark walnut polish.

1 key side rack has one keyboard

3 no drawers

1 Cpu compartment

Vertical file box

Internal shelf

All drawers are run on galvanized antirust double bearing slide

Handle are aluminium brushed.



OR EQUIVALENT

ISO/ CE APPROVED
USA/EUROPE/JAPAN/UK/PAKISTAN

ITEM NO. 11

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	REVOLVING CHAIR	Qty	05
--	------------------------	------------	-----------

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

Make:

Local Export Quality

ITEM NO. 12

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	BEDSIDE LOCKERS	Qty	24
--	------------------------	------------	-----------

Specifications:

- 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
- Mobile on four imported 2" twin castors
- Electrostatic epoxy powder coated finish
- Or Equivalent

Certifications:

ISO

Make:

Local Export Quality



ITEM NO. 16

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	IV STAND STEEL	Qty	48
<p><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><u>Certifications:</u> ISO</p> <p><u>Make:</u> Local Export Quality</p>			

ITEM NO. 17

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	WHEEL CHAIRS	Qty	20
<p><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><u>Certifications:</u> ISO</p> <p><u>Make:</u> Local Export Quality</p>			

ITEM NO. 18

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	STRATURE WITH SIDE ARMS	Qty	20
<p><u>Specifications:</u></p> <ul style="list-style-type: none"> - Outer 16SWG stainless steel pipe - Stainless steel telescopic inner rod - Four Stainless steel hooks 			



**ITEMS OF OFFICE EQUIPMENT FOR ESTABLISHMENT OF 24 BEDDED
MEDICAL ICU AT GMC HOSPITAL SUKKUR**

ITEM NO. 01

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	AIR CONDITIONER SPLIT TYPE 1.5 TON WITH STABILIZER 10000 WATTS	Qty	15
<ul style="list-style-type: none"> • Complete Installation • Brackets / Racks for fixing • Complete fixing on wall and roof • Compatible branded stabilizer more than 12000 or equivalent. • Dawlance/Haier/Orient 			

ITEM NO. 02

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	ELECTRIC WATER COOLER WITH STABLIZER 5000WATTS	Qty	02
<ul style="list-style-type: none"> • Capacity 35 Liters • Complete Installation • Brackets / Racks for fixing • Complete fixing on wall • Fischer/Cannon or equivalent 			

ITEM NO. 03

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	REFRIGERATOR WITH STABILIZER 3000 WATTS	Qty	04
<ul style="list-style-type: none"> • 15 cft • Two doors • Complete Installation • Brackets / Racks for fixing • Complete fixing on wall • Dawlance/Orient/PEL or equivalent 			



ITEM NO. 04

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	BRANDED DESKTOP COMPUTER WITH MONITOR	Qty	04
<p>Intel® Core™ i5-6500u, 4GB+1TB Hard drive 5x0 1333MHz (or higher) 4T/dual core/4M/73W/ LGA 1156</p> <p>Operating Systems :Genuine Windows® 7 Professional (64-bit) pre-installed (OEM media for OS and Drivers will be supplied by the vendor, (with licensed CD or back up CD)</p> <p>Chipset : Intel® Q57 chipset</p> <p>Form Factor • All-in-One</p> <p>RPM SATA8</p> <p>Memory • 4GB 1333 MHz DDR3 SoDIMM expandable Up to 4GB memory</p> <p>Optical Drive • DVD Recordable</p> <p>Integrated Communications • Intel® 82578DM, 10M/100M/1000M Gigabit Ethernet</p> <p>WiFi : Intel® Centrino® Wireless-N100 • Intel® Centrino® Ultimate-N6300</p> <p>Bluetooth • QMI 9WBM102QCE01Q2 • Qcom QBT410UB-012</p> <p>Ports:</p> <ul style="list-style-type: none"> • (6) High speed USB 2.0 (2 side/4 rear) • (2) Side audio ports: headphone and microphone • (2) PS/2 ports2 • Serial2 • Integrated display port • VGA-in • RJ-45 • AC-in <p>Slots • (1) Mini PCI-e x 1 slot • (1) Express card slot2</p> <p>Bays • (1) Internal HDD Bay 3.5 inch • (1) Internal ODD Bay 5.25 inch</p> <p>Display/Monitor : LED 18.5" HP</p> <p>Graphics Card: Intel® GMA HD (integrated)</p> <p>Power Supply • 150 W 85 plus (auto-senser)</p> <p>Latest Printer HP/DELL or equivalent standard</p>			

ITEM NO. 05

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	MULTIMEDIA SCREEN	Qty	01
<p><u>Multi Media with screen (Latest)</u></p> <p><u>TECHNICAL SPECIFICATION:</u></p> <p>Bright projection – 4200 ANSI lumens XGA resolution, 20,000:1 contrast ratio, HDMI input Crestron RoomView® – RJ45 control and monitoring</p> <p>Display Technology Single 0.55" XGA DC3 DMD chip DLP® Technology by Texas Instruments</p> <p>Native Resolution XGA 1024 x 768 Brightness1 (Bright Mode) 4200 ANSI Lumens Contrast 20,000:1 Noise Level (Eco mode) 31dB Weight (kg) 2.57 I/O Connectors HDMI (1.4a 3D support), 2 x VGA (YPbPr/RGB), S-Video, Composite, 2 x Audio In 3.5mm, Audio Out 3.5mm, VGA Out, RS232, USB mouse/service, RJ45, Computer Compatibility UXGA, SXGA,</p>			



XGA, SVGA, VGA, Mac Video Compatibility PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25.MHz, 4.4MHz, 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz) 1080p(24/50/60Hz) Displayable Colours 1073.4 Million Projection Lens F/2.4~2.66; f=18.2~21.9mm, 1.2x Manual Zoom Throw Ratio 1.6 - 1.92:1 Projection Screen Size 0.78m– 7.79m (30.8” to 307”) Diagonal 4:3 Projection Distance 1.2 - 12m Zoom Type 1.2x Manual Aspect Ratio 4:3 Native, 16:9 Compatible Offset 115% Horizontal Scan Rate 15.3 - 91.1kHz Vertical Scan Rate 24 - 85Hz Lamp Type 260W Lamp Life2 Eco+/Dynamic/Eco/Bright 7000/5500/5000/3000 (hrs) Keystone Correction ± 40° Vertical Dimensions (W x D x H) (mm) 315 x 224 x 102 Power Supply 100-240V, 50-60Hz Power Consumption 306W Bright mode / 257W Eco mode (< 0.5W Standby) Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m Uniformity 80% Security Security bar, Kensington lock, password protection Standard Accessories Carry bag, AC power cord, VGA cable, remote control, battery, quick start card, CD user manual Optional Accessories DLP® Link™ 3D glasses, wireless, ceiling mount RoHS Compliant 3D Support Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification. 3D Compatibility Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Speaker 10 On Screen Display 19 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwe**OPTIMA/SONY/PANASONIC or equivalent.**

ITEM NO. 06

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	LAPTOP	Qty	04
<ul style="list-style-type: none"> • Processor Intel or Equivalent Core i7 • 3.5 GHz preferable more • RAM at least 8 GB preferable more • Hard Disc at least 1 TB preferable more • DVD Rom with dual layer DVD (RW) • Ethernet from 100 to 1000 Mbps • DOS 2GB • LED 18” display • Video card / VRAM 256 MB preferable more • Camera from 4 MP to 6 MP • HP/Dell or equivalent 			



**ITEMS OF FURNITURE FIXTURE FOR ESTABLISHMENT OF 24 BEDDED
SURGICAL ICU AT GMC HOSPITAL SUKKUR**

ITEM NO. 01

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	BEDS FOR SURGICAL ICE THREE FOLDER	Qty	24
<p>Size: 2120*970*450*/700mm Control by three cranks Angle back Section: 0 – 80 Angle of nee section: 0 – 40 Adjustable height : 250mm Integrated stamping frame and mattress base are steel made with epoxy bed head/foot board are made of ABS Plastic. Standard Accessory: Two sectional I. v pole four 5 silence luxurious caster aluminum alloy collapsible type side rails. (Imported Quality) OR EQUIVALENT SO/ CE APPROVED USA/EUROPE/JAPAN/UK/PAKISTAN</p>			

ITEM NO. 02

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	FOAM MATTRESS	Qty	24
<p>Size 6(L)* 4(W)* 6" (Thickness) superior quality equal to molty foam with warranty. OR EQUIVALENT ISO/ CE APPROVED USA/EUROPE/JAPAN/UK/PAKISTAN</p>			

ITEM NO. 03

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	BLANKET RED 60X90	Qty	24
<p>Woolen Made 6x6 Blankets Washable With Complete Stitching Side Coving. OR EQUIVALENT ISO/ CE APPROVED USA/EUROPE/JAPAN/UK/PAKISTAN</p>			



ITEM NO. 04

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	CHAIRS FOR SEMINAR HALL	Qty	20
<p><u>Specifications:</u></p> <ul style="list-style-type: none"> - Dimension: 23" x 20" x 33" (W x D x H) - Moulded P U Foam - One Piece 3 D Formed ply Shells - Fabric upholstered folding seat & back cushions - Fabric Backings - MS angle frame with oven bake paint - Fabric upholstered side covers over MDF boards - Or Equivalent <p><u>Make:</u> Local Export Quality</p>			

ITEM NO. 05

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	TABLES FOR SEMINAR HALL	Qty	02
<p>Size 8(L)* 4(W)* 2½(H) made in oak veneer with dark walnut polish fancy design.</p> <p>OR EQUIVALENT</p> <p>ISO/ CE APPROVED USA/EUROPE/JAPAN/UK/PAKISTAN</p>			

ITEM NO. 06

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	CHAIR FOR OFFICES	Qty	20
<p><u>Specifications:</u></p> <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 <p><u>Make:</u> Local Export Quality</p>			



6X3X2.5 made in oak
 Veneer with dark walnut polish
 Side rack 48x18x30
 Made oak veneer with dark walnut polish.
 1 key side rack has one keyboard
 3 no drawers
 1 Cpu compartment
 Vertical file box
 Internal shelf
 All drawers are run on galvanized antirust double bearing slide.
 Handle are aluminium brushed.

OR EQUIVALENT

ISO/ CE APPROVED
 USA/EUROPE/JAPAN/UK/PAKISTAN

ITEM NO. 11

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	REVOLVING CHAIR	Qty	05
<p><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 <p><u>Make:</u> Local Export Quality</p>			

ITEM NO. 12

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	BEDSIDE LOCKERS	Qty	24
<p><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 - Mobile on four imported 2" twin castors 			



- Electrostatic epoxy powder coated finish
- Or Equivalent

Certifications:

ISO

Make:

Local Export Quality

ITEM NO. 13

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	IRON CUPBOARD	Qty	10
--	----------------------	------------	-----------

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

Make:

Local Export Quality

ITEM NO. 14

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	NURSING COUNTER	Qty	04
--	------------------------	------------	-----------

STANDARD SIZE.

-WOODEN COMPATIBLE WITH FURNITURE.
OR EQUIVALENT

ISO/ CE APPROVED

USA/EUROPE/JAPAN/UK/PAKISTAN

ITEM NO. 15

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	STOOL STEEL	Qty	20
--	--------------------	------------	-----------

- 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 3/8" MS round pipe for stability and strength
- Rubber boot on feet for floor grip
- Electrostatic epoxy powder coated paint finish



- Or Equivalent
Certifications:
ISO
Make:
Local Export Quality

ITEM NO. 16

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	IV STAND STEEL	Qty	48
<p><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><u>Certifications:</u> ISO <u>Make:</u> Local Export Quality</p>			

ITEMS OF OFFICE EQUIPMENT FOR ESTABLISHMENT OF 24 BEDDED SURGICAL ICU AT GMC HOSPITAL SUKKUR

ITEM NO. 01

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	AIR CONDITIONER SPLIT TYPE 1.5 TON WITH STABILIZER 10000 WATTS	Qty	15
<ul style="list-style-type: none">• Complete Installation• Brackets / Racks for fixing• Complete fixing on wall and roof• Compatible branded stabilizer more than 12000 or equivalent.• Dawlance/Haier/Orient			



ITEM NO. 02

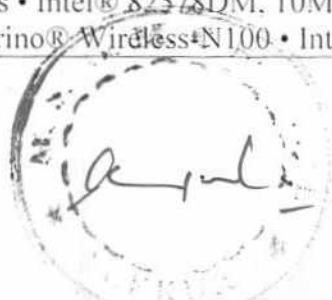
TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	ELECTRIC WATER COOLER WITH STABLIZER 5000WATTS	Qty	02
<ul style="list-style-type: none"> • Capacity 35 Liters • Complete Installation • Brackets / Racks for fixing • Complete fixing on wall • Fischer/Cannon or equivalent 			

ITEM NO. 03

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	REFRIGERATOR WITH STABILIZER 3000 WATTS	Qty	04
<ul style="list-style-type: none"> • 15 cft • Two doors • Complete Installation • Brackets / Racks for fixing • Complete fixing on wall • Dawlance/Orient/PEL or equivalent 			

ITEM NO. 04

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	BRANDED DESKTOP COMPUTER WITH MONITOR	Qty	05
<p align="center">Intel® Core™ i5-6500u, 4GB+1TB Hard drive 5x0 1333MHz (or higher) 4T/dual core/4M/73W/ LGA 1156</p> <p>Operating Systems :Genuine Windows® 7 Professional (64-bit) pre-installed (OEM media for OS and Drivers will be supplied by the vendor, (with licensed CD or back up CD)</p> <p align="center">Chipset : Intel® Q57 chipset Form Factor • All-in-One RPM SATA8</p> <p>Memory • 4GB 1333 MHz DDR3 SoDIMM expandable Up to 4GB memory Optical Drive • DVD Recordable</p> <p>Integrated Communications • Intel® 82578DM, 10M/100M/1000M Gigabit Ethernet WiFi : Intel® Centrino® Wireless-N100 • Intel® Centrino® Ultimate-N6300</p>			



Bluetooth • QMI 9WBM102QCE01Q2 • Qcom QBT410UB-012

Ports:

- (6) High speed USB 2.0 (2 side/4 rear)
- (2) Side audio ports: headphone and microphone
- (2) PS/2 ports
- Serial2
- Integrated display port
- VGA-in
- RJ-45
- AC-in

Slots • (1) Mini PCI-e x 1 slot • (1) Express card slot2

Bays • (1) Internal HDD Bay 3.5 inch • (1) Internal ODD Bay 5.25 inch

Display/Monitor : LED 18.5" HP

Graphics Card: Intel® GMA HD (integrated)

Power Supply • 150 W 85 plus (auto-senser)

Latest Printer HP/DELL or equivalent standard

ITEM NO. 05

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

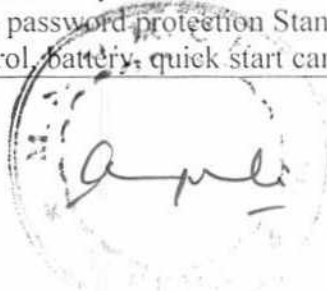
	MULTIMEDIA SCREEN	Qty	01
--	-------------------	-----	----

Multi Media with screen (Latest)

TECHNICAL SPECIFICATION:

Bright projection – 4200 ANSI lumens XGA resolution, 20,000:1 contrast ratio, HDMI input
Crestron RoomView® – RJ45 control and monitoring

Display Technology Single 0.55" XGA DC3 DMD chip DLP® Technology by Texas Instruments
Native Resolution XGA 1024 x 768 Brightness1 (Bright Mode) 4200 ANSI Lumens Contrast
20,000:1 Noise Level (Eco mode) 31dB Weight (kg) 2.57 I/O Connectors HDMI (1.4a 3D
support), 2 x VGA (YPbPr/RGB), S-Video, Composite, 2 x Audio In 3.5mm, Audio Out
3.5mm, VGA Out, RS232, USB mouse/service, RJ45 Computer Compatibility UXGA, SXGA,
XGA, SVGA, VGA, Mac Video Compatibility PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC
(M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25.MHz, 4.4MHz, 480i/p, 576i/p,
720p(50/60Hz), 1080i(50/60Hz) 1080p(24/50/60Hz) Displayable Colours 1073.4 Million
Projection Lens F/2.4~2.66; f=18.2~21.9mm, 1.2x Manual Zoom Throw Ratio 1.6 - 1.92:1
Projection Screen Size 0.78m– 7.79m (30.8" to 307") Diagonal 4:3 Projection Distance 1.2 -
12m Zoom Type 1.2x Manual Aspect Ratio 4:3 Native, 16:9 Compatible Offset 115%
Horizontal Scan Rate 15.3 - 91.1kHz Vertical Scan Rate 24 - 85Hz Lamp Type 260W Lamp
Life2 Eco+/Dynamic/Eco/Bright 7000/5500/5000/3000 (hrs) Keystone Correction ± 40°
Vertical Dimensions (W x D x H) (mm) 315 x 224 x 102 Power Supply 100-240V, 50-60Hz
Power Consumption 306W Bright mode / 257W Eco mode (< 0.5W Standby) Operating
Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m Uniformity 80% Security
Security bar, Kensington lock, password protection Standard Accessories Carry bag, AC power
cord, VGA cable, remote control, battery, quick start card, CD user manual Optional



Accessories DLP® Link™ 3D glasses, wireless, ceiling mount RoHS Compliant 3D Support Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification. 3D Compatibility Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Speaker 10 On Screen Display 19 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian **OPTIMA/SONY/PANASONIC or equivalent.**

ITEM NO. 06

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	LAPTOP	Qty	04
<ul style="list-style-type: none"> • Processor Intel or Equivalent Core i7 • 3.5 GHz preferable more • RAM at least 8 GB preferable more • Hard Disc at least 1 TB preferable more • DVD Rom with dual layer DVD (RW) • Ethernet from 100 to 1000 Mbps • DOS 2GB • LED 18" display • Video card / VRAM 256 MB preferable more • Camera from 4 MP to 6 MP • HP/Dell or equivalent 			



**ITEMS OF FURNITURE FIXTURE EXPENSION OF CASUALITY DEPARTMENT AT
GMC HOSPITAL SUKKUR**

ITEM NO. 01

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	BEDS FOR SURGICAL ICE THREE FOLDER	Qty	40
<p>Size: 2120*970*450*/700mm Control by three cranks Angle back Section: 0 – 80 Angle of nee section: 0 – 40 Adjustable height : 250mm Integrated stamping frame and mattress base are steel made with epoxy bed head/foot board are made of ABS Plastic. Standard Accessory: Two sectional I. v pole four 5 silence luxurious caster aluminum alloy collapsible type side rails. (Imported Quality) OR EQUIVALENT SO/ CE APPROVED USA/EUROPE/JAPAN/UK/PAKISTAN</p>			

ITEM NO. 02

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	FOAM MATTRESS	Qty	40
<p>Size 6(L)* 4(W)* 6" (Thickness) superior quality equal to molty foam with warranty. OR EQUIVALENT ISO/ CE APPROVED USA/EUROPE/JAPAN/UK/PAKISTAN</p>			

ITEM NO. 03

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	CHAIR FOR OFFICES	Qty	15
<p><u>Specifications:</u> - 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</p>			



Make:

Local Export Quality

ITEM NO. 04

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

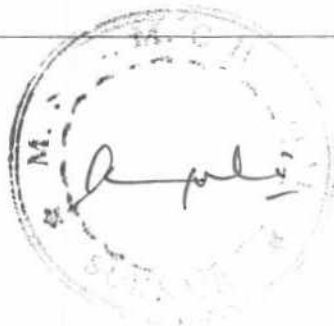
	OFFICE TABLE	Qty	05
<p>Executive Office Table 6X3X2.5 made in oak Veneer with dark walnut polish Side rack 48x18x30 Made oak veneer with dark walnut polish. 1 key side rack has one keyboard 3 no drawers 1 Cpu compartment Vertical file box Internal shelf All drawers are run on galvanized antirust double bearing slide. Handle are aluminium brushed.</p> <p>OR EQUIVALENT</p> <p>ISO/ CE APPROVED USA/EUROPE/JAPAN/UK/PAKISTAN</p>			

ITEM NO. 05

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	REVOLVING CHAIR	Qty	05
<p><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 <p>Make: Local Export Quality</p>			



USA/EUROPE/JAPAN/UK/PAKISTAN

ITEM NO. 09

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	STOOL STEEL	Qty	10
<p>- 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 3/8" MS round pipe for stability and strength - Rubber boot on feet for floor grip - Electrostatic epoxy powder coated paint finish - Or Equivalent</p> <p><u>Certifications:</u> ISO <u>Make:</u> Local Export Quality</p>			

ITEM NO. 10

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

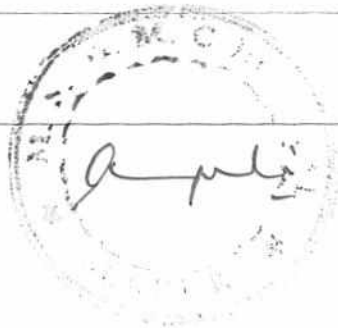
	IV STAND STEEL	Qty	40
<p><u>Specifications:</u> - Outer 16SWG stainless steel pipe - Stainless steel telescopic inner rod - Four Stainless steel hooks - Spring loaded for drop safety - Stainless Steel base mobile on 5 wheels - Or Equivalent</p> <p><u>Certifications:</u> ISO <u>Make:</u> Local Export Quality</p>			

ITEM NO. 11

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	WHEEL CHAIRS	Qty	10
<p><u>Specifications:</u> - Outer 16SWG stainless steel pipe</p>			



- Stainless steel telescopic inner rod
- Four Stainless steel hooks
- Spring loaded for drop safety
- Stainless Steel base mobile on 5 wheels
- Or Equivalent

Certifications:

ISO

Make:

Local Export Quality

ITEM NO. 12

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

		Qty	10
	STRATURE WITH SIDE ARMS		

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

Certifications:

ISO

Make:

Local Export Quality

ITEM NO. 13

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

		Qty	15
	PATIENT EXAMINATION COUCH		

Specifications:

- 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

Certifications:

ISO

Make:

Local Export Quality



ITEM NO. 14

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	DRESSING TABLE	Qty	08
<p>BEST QUALITY STAINLESS STEEL</p> <p>OR EQUIVALENT</p> <p>ISO/ CE APPROVED</p> <p>USA/EUROPE/JAPAN/UK/PAKISTAN</p>			

ITEM NO. 15

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	PATIENT WAITING CHAIR STAINLESS STEEL	Qty	50
<p><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><u>Make:</u></p> <p>China or Equivalent</p>			

ITEM NO. 16 (A)

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	BENCHES STEEL SIDE ARMS	Qty	20
<p><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><u>Make:</u></p> <p>China or Equivalent</p>			



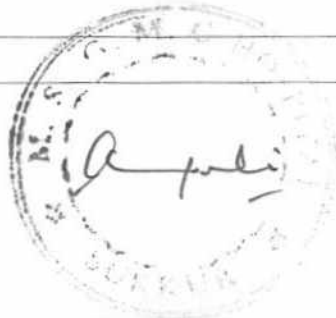
ITEM NO. 16 (B)			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	Cardiac Trolley	Qty	03
<u>Specifications:</u> Stainless Steel Frame Lock Wheels Fibre Top <u>Make:</u> China or Equivalent/ Pakistan			

ITEM NO. 16 (C)			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	ECG Trolley	Qty	50
<u>Specifications:</u> Stainless Steel Frame Lock Wheels Fibre Top Stainless Steel Frame <u>Make:</u> China or Equivalent/ Pakistan			

**ITEMS OF OFFICE EQUIPMENT FOR ESTABLISHMENT OF 24 BEDDED
MEDICAL ICU AT GMC HOSPITAL SUKKUR**

ITEM NO. 01

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	AIR CONDITIONER SPLIT TYPE 1.5 TON WITH STABILIZER 10000 WATTS	Qty	15
<ul style="list-style-type: none"> Complete Installation 			



- Brackets / Racks for fixing
- Complete fixing on wall and roof
- Compatible branded stabilizer more than 12000 or equivalent.
- Dawlance/Haier/Orient

ITEM NO. 02

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	ELECTRIC WATER COOLER WITH STABLIZER 5000WATTS	Qty	02
<ul style="list-style-type: none"> • Capacity 35 Liters • Complete Installation • Brackets / Racks for fixing • Complete fixing on wall • Fischer/Cannon or equivalent 			

ITEM NO. 03

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	REFRIGERATOR WITH STABILIZER 3000 WATTS	Qty	04
<ul style="list-style-type: none"> • 15 cft • Two doors • Complete Installation • Brackets / Racks for fixing • Complete fixing on wall • Dawlance/Orient/PEL or equivalent 			

ITEM NO. 04

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	BRANDED DESKTOP COMPUTER WITH MONITOR	Qty	04
<p align="center">Intel® Core™ i5-6500u, 4GB+1TB Hard drive 5x0 1333MHz (or higher) 4T/dual core/4M/73W/ LGA 1156</p> <p>Operating Systems :Genuine Windows® 7 Professional (64-bit) pre-installed (OEM media for OS and Drivers will be supplied by the vendor. (with licensed CD or back up CD)</p> <p>Chipset : Intel® Q57 chipset</p> <p>Form Factor • All-in-One</p> <p>RPM SATA8</p>			



Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification. 3D Compatibility Side-by-Side: 1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Speaker 10 On Screen Display 19 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian **OPTIMA/SONY/PANASONIC or equivalent.**

ITEM NO. 06

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	LAPTOP	Qty	04
<ul style="list-style-type: none"> • Processor Intel or Equivalent Core i7 • 3.5 GHz preferable more • RAM at least 8 GB preferable more • Hard Disc at least 1 TB preferable more • DVD Rom with dual layer DVD (RW) • Ethernet from 100 to 1000 Mbps • DOS 2GB • LED 18" display • Video card / VRAM 256 MB preferable more • Camera from 4 MP to 6 MP • <u>HP/Dell or equivalent</u> 			





MEDICAL SUPERINTENDENT

**GHULAM MUHAMMAD MAHAR MEDICAL COLLEGE HOSPITAL
SUKKUR**

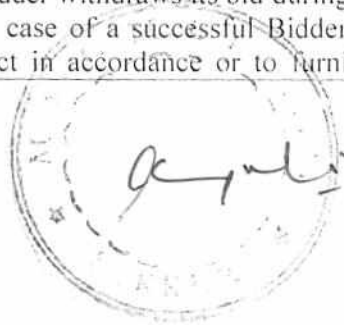
**TENDER FOR PURCHASE OF MACHINERY/EQUIPMENT TO BE
INSTALLED AT GHULAM MUHAMMAD MAHAR MEDICAL
COLLEGE HOSPITAL SUKKUR**

ADP SCHEME DUE ON 29-03-2018



INSTRUCTION TO BIDDERS / PREPARATION OF BID

SCOPE	MEDICAL SUPERINTENDENT, GMMC HOSPITAL SUKKUR intend to Purchase SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT/INSTRUMENTS MACHINERY & General Items through National Competitive Bidding.
1. Technical/ Financial Proposal	<p>1.1 Technical and Financial proposal separately, i.e. single stage two envelope procedure. The envelope must contain on the top clearly written at corner for "TECHNICAL PROPOSAL" OR for "FINANCIAL PROPOSAL" in order to avoid any confusion. The tenders shall be submitted with all documents, drawing literature & catalogue (in equipment) in Technical proposal. The name of manufacturer or supplier should be affixed on the face of envelop a the left side. Moreover, financial envelopes should contain financial bid each item separately.(Commercial offer must be quoted in each item/ each envelope)The envelopes shall then be sealed in an outer envelope. The inner and outer envelopes shall be addressed and marked to the Procuring agency at the address given in the BDS. Initially envelope marked as "TECHNICAL PROPOSAL" shall be retained In the custody of the procuring agency without being opened.</p> <p>1.2 Tenders must be filled in with blue or black ink in the column provided or on separated letter head duly signed.</p> <p>1.3 The tenders must be free from erasing, cutting and overwriting. In case of erasing, cutting and over writing, authorized person should sign & stamp it.</p> <p>1.4 Conditional tenders will be ignored and will not be considered/entertained/accepted.</p> <p>1.5 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 authentic and final.</p> <p>1.6 Original purchase receipt must be closed with the technical offer.</p>
2. Earnest Money	<p>2.1 The bid security is required to protect the Procuring agency against the risk of Bidder's conduct, which would warrant the security's forfeiture The bid security shall be denominated in the currency of the of the bid.</p> <p>2.2 Tender shall be accompanied by Earnest Money@2%of the value of stores quoted by them inform of Bank Guarantee /pay order/demand draft in the name of MEDICAL SUPERINTENDENT GMMCH SUKKUR.</p> <p>2.3 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.</p> <p>2.4 Bid security shall release to the unsuccessful bidders once the contract has been signed with the successful bidder or the validity period has expired.</p> <p>2.5 The successful Bidder's bid security shall be discharged upon the Bidder signing the contract, and furnishing the performance security.</p> <p>2.6 The bid security may be forfeited:</p> <ul style="list-style-type: none">a) if a Bidder withdraws its bid during the period of bid validity orb) In the case of a successful Bidder, if the bidder fails: to sign the contract in accordance or to furnish performance security within



	and obligations of the Procuring agency and bidders.
13. Late Submission of Bid	Any bid received by the Procuring agency after the deadline for submission of bids prescribes by the Procuring agency shall be rejected and returned unopened to the Bidder.
14. Modification and Withdrawal of Bids	<p>14.1 The Bidder may not modify or withdraw its bid after the bid's submission, provided with consent of end user and procuring agency, including substitution or withdrawal of the bids, is received by the Procuring agency.</p> <p>14.2 Bid may be modified after the deadline of bids as per end users demand and procurement agency.</p> <p>14.3 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiry of the period of bid validity withdrawal of a bid during this interval may result in the Bidder's forfeiture of its bid security.</p>
15. Taxes and Duties	Supplier shall be entirely responsible for all taxes, duties (including stamp duty), license fees, etc., incurred until delivery of the contracted Goods to the Procuring agency.
16. Overriding effect of SPPRA RULES 2010 (Amd: 2013)	In case of conflict or primacy of interpretation the provisions of SPP Rules 2010 (amended 2013) shall have an overriding effect notwithstanding anything to the contrary contained in these bidding documents
17. Rights to reserve	Procurement Agency/Committee reserves the rights to reject any bid, which is otherwise sub standard and of low quality or to amend or reject bid/tender at any stage. Bid may be modified after the deadline of bids as per end users demand and procurement agency.
18. Liquidity Damage	If the Supplier fails to deliver the goods or perform the services within the time period(s) specified in the contract, the Purchaser shall, without prejudice to its other remedies under the contract deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.07 percent of the Contract Price for each day of delay until actual delivery or performance, up to a maximum deduction of 10% of the Contract Price. Once the maximum is reached, the purchaser may consider termination of the contract
19.1 Integrity Pack	Procurements exceeding Rs.10 million for goods and works Rs. 2.5 million for services shall be subject to an integrity pact as specified by regulations between the procuring agency and the suppliers or contractors or consultants.



EVALUATION CRITERIA

MANDATORY DOCUMENTS

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 turnover 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> This is mandatory for Electro Medical Items.	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.



Read and Agreed by M/s _____.

Name _____.

Signature with Stamp _____.

19. DOCUMENTS CHECKLIST**PART II**

Please review the following list of all possible documents to be enclosed with the technical proposals.

Sr#	Document Description	Yes	No	Page No.
1.	Tender Purchase Receipt (Original)			
2.	Bid Security (Pay Order/Bank Draft) (Original in Financial offer)			
3.	General & Special Conditions of Contract (Duly filled, Signed & Stamped by bidder each & every page)			
4.	Schedule of Requirements (dully filled, Signed with Stamp)			
5.	Technical Specifications (dully filled, Signed with Stamp)			
6.	Technical Proposal on Bidder's Letterhead			
Bidders Documents				
7.	Manufacturer's Authorization (as per sample form)			
8.	Undertaking (as per sample form)			
9.	Certificate (as per sample form)			
10.	Income Tax & GST Registration Professional Tax Certificate (Sindh) Certificates are mandatory, Bidder's FBR Status should be ACTIVE (For NTN and Sales Tax)			
11.	Valid PNRA registration certificate where applicable			
12.	Company Profile			
13.	Bank certificate/Statement with last three years turnover.			
14.	Income Tax Return (last two years)			
15.	Workshop for after sales services			
16.	Technical Team detail			
17.	The Bidder will ensure provide WEBOC ID of Bidder must be active for Electro Medical Items.			
Original Equipment Manufacturer (OEM or brand quoted)				
18.	CE / FDS / JIS			
19.	References of offered model or brand (in Pakistan preferable in Sindh)			

- Mandatory documents are mentioned in instruction to bidder
- All pages of bid except for an amended printed literature shall be initiated by the bidder

19.1 Bidder's details for notice purpose

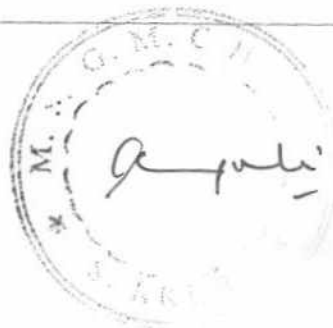
Bidder Name	
Company	
Address	
Tel& Fax No.	
Contact Person & Cell No.	
Email Address	



OPENING AND EVALUATION OF BIDS

PART II-C

<p>21. Opening of Bids by the Procuring agency</p>	<p>21.1 The Procuring agency shall open all bids in the presence of bidder's representatives who choose to attend, at the time, on the date, and at the place specified in the Bid Data Sheet. The bidders' representatives who are present shall sign a register/attendance sheet evidencing their attendance.</p> <p>21.2 The bidders' names, bid modifications or withdrawals, bid prices, discounts, and the presences or absence of requisite bid security and such other details as the Procuring agency, at its discretion, may consider appropriate, will be announced at the opening.</p>
<p>22. Clarification of Bids</p>	<p>22.1 During evaluation of the bids, the Procuring agency may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted.</p>
<p>23. Preliminary Examination</p>	<p>23.1 The Procuring agency shall examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.</p> <p>23.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the correction of the errors, its bid will be rejected, and its bid security may be forfeited. If there is a discrepancy between words and figures, the amount in words will prevail.</p> <p>23.3 Prior to the detailed evaluation, the Procuring agency will determine the substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. Procuring agency's determination of a bid's responsiveness is to be based on the contents of the bid itself.</p> <p>23.4 If a bid is not substantially responsive, it will be rejected by the Procuring agency and may not subsequently be made responsive by the Bidder by correction of the nonconformity.</p>
<p>24. Evaluation & Comparison of Bids</p>	<p>24.1 The Procuring agency will evaluate and compare the bids which have been determined to be substantially responsive.</p> <p>24.2 The Procuring agency's evaluation of a bid will be on delivery to consignee's end inclusive of all taxes, stamps, duties, levies, fees and installation and integration charges imposed till the delivery location and shall exclude any allowance for price adjustment during the period of execution of the contract.</p>
<p>25. Contacting the procuring agency</p>	<p>25.1 No Bidder shall contact the procuring agency on any matter relating to its bid, from the time of bid opening to the time the announcement of Bid Evaluation Report. If the Bidder wishes to bring additional information to the notice of the procuring agency, it should do so in writing.</p> <p>25.2 Any effort by a Bidder to influence the Procuring agency in its decision on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder's bid.</p>



M. A. G. M. C. H.

AWARD OF CONTRACT

PART II-D

<p>26. Post – Qualification</p>	<p>26.1 In the absence of prequalification, the procuring agency may determine to its satisfaction whether that selected Bidder having submitted the lowest evaluation responsive bid is qualified to perform the contract satisfactorily.</p> <p>26.2 The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Claus-7 as well as such other information as the Procuring agency deems necessary and appropriate.</p> <p>26.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Procuring agency will proceed to the next lowest evaluated bid to perform satisfactorily.</p>
<p>27. Award Criteria</p>	<p>27.1 The Procuring agency will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.</p>
<p>28. PA Right to Accept any Bid and to Reject any or All Bids</p>	<p>28.1 Subject to relevant provisions of SPP Rules 2010 (Amended 2013), the Procuring agency reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award.</p> <p>28.2 Pursuant to Rule 45 of SPP Rules 2010 (Amended 2013), Procuring agency shall hoist the evaluation report on Authority's web site within seven days prior to notify the award of contract.</p>
<p>29. Notification of Award</p>	<p>29.1 Prior to the expiration of the period of bid validity, the Procuring agency shall notify the successful Bidder in writing, that its bid has been accepted.</p> <p>29.2 Upon the successful Bidder's furnishing of the performance security pursuant to Clause 31, the Procuring agency will promptly notify each unsuccessful Bidder and will discharge its bid security.</p>
<p>30. Signing of Contract</p>	<p>30.1 At the same time as the Procuring agency notifies the successful Bidder that its bid has been accepted, the Procuring agency will send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the parties.</p> <p>30.2 Within fourteen (14) days, or any other period specified in BDS, of receipt of the Contract Form, the successful Bidder shall sign and date the contract and return it to the Procuring agency.</p>
<p>31. Performance Security</p>	<p>31.1 Within seven (07) days, or any other period specified in BDS, of the receipt of notification of award from the Procuring agency, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the bidding documents, or in another form acceptable to the Procuring agency.</p> <p>31.2 Failure of the successful Bidder to comply with the requirement of Bid data sheet Clause 30 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Procuring agency may make the award to the next lowest evaluated Bidder or call for new bids.</p>



<p>32. fraudulent practices or Used Equipment</p>	<p>32.1 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.</p> <p>32.2 The Government of Sindh requires that Procuring agency's (including beneficiaries of donor agencies' loans), as well as Bidders/Suppliers/Contractors under Government-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the SPPRA, in accordance with the SPP Act, 2009 and Rules made there under:</p> <p>(a) "Corrupt and Fraudulent Practices" means either one or any combination of the practices given below:</p> <p>(i) "Coercive Practice" means any impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;</p> <p>(ii) "Collusive Practice" means any arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;</p> <p>(iii) "Corrupt Practice" means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;</p> <p>(iv) "Fraudulent Practice" means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;</p> <p>b) "Obstructive Practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights provided for under the Rules.</p>
---	--



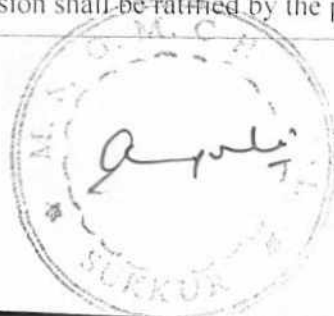
<p>33. DEFINITIONS</p>	<p>33.1 In this Contract, the following terms shall be interpreted as indicated:</p> <p>a) "The Contract" means the agreement entered into between the Procuring agency and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.</p> <p>b) "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.</p> <p>c) "The Goods" means all of the equipment, machinery, and/or other materials, which the Supplier is required to supply to the Procuring agency under the Contract.</p> <p>d) "The Services" means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.</p> <p>e) "GCC" means the General Conditions of Contract contained in this section.</p> <p>f) "SCC" means the Special Conditions of Contract.</p> <p>g) "The Procuring agency" means the Sindh Public Procurement Regulatory Authority (SPPRA), Government of Sindh.</p> <p>h) "The Supplier" means the individual or firm supplying the Goods and Services under this Contract.</p> <p>i) "SPP Rules 2010" means the Sindh Public Procurement Rules 2010 (Amended 2013).</p> <p>j) "Day" means calendar day.</p>
<p>34. Standards</p>	<p>34.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods' country of origin. Such standards shall be the latest issued by the concerned institution.</p>
<p>35. Patent Rights</p>	<p>35.1 The Supplier shall indemnify the Procuring agency against all third- party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Islamic Republic of Pakistan.</p>
<p>36. Performance Security</p>	<p>36.1 Within seven (07) days, or any other duration as specified in SCC, of receipt of the notification of Contract award, the successful Bidder shall furnish to the Procuring agency the performance security in the amount specified in SCC.</p> <p>36.2 The proceeds of the performance security shall be payable to the Procuring agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.</p> <p>36.3 The performance security shall be denominated in the Pak rupees and shall be an unconditional bank guarantee, pay order, call deposit as, provided in the bidding documents or another form acceptable to the Procuring agency;</p> <p>36.4 The performance security will be discharged by the Procuring agency and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in SCC.</p>
<p>37. Inspections and</p>	<p>37.1 The Procuring agency or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no</p>



<p>Tests</p>	<p>extra cost to the Procuring agency. The Procuring agency shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.</p> <p>37.2 Should any inspected or tested Goods fail to conform to the Specifications, the Procuring agency may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Procuring agency.</p> <p>37.3 The Procuring agency's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Manufacturer.</p> <p>37.4 Nothing in GCC Clause 37 shall in any way release the Supplier from any warranty or other obligations under this Contract.</p>									
<p>38. Packing</p>	<p>38.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage.</p>									
<p>39. Warranty & Spare parts</p>	<p>39.10 years free service including warranty from the date of installation and further 02 years free service without parts. Additionally assurance for the availability of spare parts for at least 08 to 10 years may also be confirmed by the bidder</p> <p>39.2 The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Procuring agency's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.</p> <p>39.3 If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, within a reasonable period, the Procuring agency may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense without prejudice to any other rights which the Procuring agency may have against the Supplier under the Contract</p> <p>39.4 The Supplier should provide any or all of the notifications, and information pertaining to spare parts manufactured or distributed by the Supplier</p> <p>39.5 Free installation along with all accessories including labor charges/demonstration at consignee end must be borne by the bidder.</p> <p>39.6 The supplier will be bound to train nominated technical personnel (inland/outland) to operate/ repair and maintain the supplied equipment</p> <p>39.7 If the up time percentage for the measurement period (04months) shall fall short of 95% the following formula will be applied to determine additional days in the warranty / services contract period.</p> <table border="0" data-bbox="400 1700 1309 1927"> <tr> <td>a.</td> <td>100%-95%</td> <td>No Penalty</td> </tr> <tr> <td>b.</td> <td>95%- 90%</td> <td>The warranty period will be extended by 2.0 times the number of days as extra downtime</td> </tr> <tr> <td>c.</td> <td>90%- 80%</td> <td>The warranty period will be extended by 3.0 times the number of days as extra downtime</td> </tr> </table> <p>39.8 The firm will be bound to make arrangement for availability of qualified</p>	a.	100%-95%	No Penalty	b.	95%- 90%	The warranty period will be extended by 2.0 times the number of days as extra downtime	c.	90%- 80%	The warranty period will be extended by 3.0 times the number of days as extra downtime
a.	100%-95%	No Penalty								
b.	95%- 90%	The warranty period will be extended by 2.0 times the number of days as extra downtime								
c.	90%- 80%	The warranty period will be extended by 3.0 times the number of days as extra downtime								



	technical staff in hospital/ site for prompt execution/coordination of after sale service
40. Delivery and Documents	40.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping/ transportation and/or other documents to be furnished by the Supplier are specified in SCC.
41. Insurance	41.1 The Goods supplied under the Contract shall be delivered consignee's end under which risk is transferred to the Procuring agency after having been delivered; hence insurance coverage is Supplier's responsibility.
42. Transportation	42.1 The Supplier is required under the Contract to transport the Goods to a specified place of destination and shall be arranged by the Supplier, and related costs shall be deemed to have been included in the Contract Price.
43. Incidental Services	43.1 The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC: <ul style="list-style-type: none"> (a) performance or supervision of on-site assembly and/or start-up of the supplied Goods; (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods; (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods; (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract;
44. Payment Method	44.1 The method and conditions of payment to be made to the Supplier under this Contract shall be specified in SCC. 44.2 The Supplier's request(s) for payment shall be made to the Procuring agency in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and upon fulfillment of other obligations stipulated in the Contract. 44.3 Payments shall be made promptly by the Procuring agency, but in no case later than thirty (30) days after submission of an invoice or claim by the Supplier. 44.4 The currency of payment is Pak. Rupees.
45. Prices	45. Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid,
46. Contract Amendments	46.1 No variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.
47. Delays in the Supplier's Performance	47.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Procuring agency in the Schedule of Requirements. 47.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Procuring agency in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Procuring agency shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.



	47.3 Except as provided under GCC Clause 48 a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages unless an extension of time is agreed upon pursuant to GCC Clause 47.2 without the application of liquidated damages.
48. Liquidated damages	48.1 Subject to GCC Clause 51, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Procuring agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in SCC. Once the maximum is reached, the Procuring agency may consider termination of the Contract pursuant to GCC Clause 49.
49. Termination for Default	49.1 The Procuring agency, 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 Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring agency pursuant to GCC Clause 47; or (b) if the Supplier fails to perform any other obligation(s) under the Contract. (c) if the Supplier, in the judgment of the Procuring agency has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
50. Force Majeure	50.1 Notwithstanding the provisions of GCC Clauses 47, 48 and 49, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. 50.2 Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Procuring agency in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes. 50.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring agency in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring agency in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
51. Resolution of Disputes	51.1 Resolution of dispute shall be through Mechanism for Redressal of Grievances as provided in the rules or through Arbitration Act 1942.
52. Governing Language	52.2 The Contract shall be written in English language all correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.
53. Applicable Law	53.1 The Contract shall be interpreted in accordance with the SPP Rules 2010 (amended 2013).
54. Taxes and Duties	54.1 Supplier shall be entirely responsible for all taxes, duties (including stamp duty), license fees, etc., incurred until delivery of the contracted Goods to the Procuring



	agency.
55. Overriding effect of SPP Rules 2010 (Amended 2013)	55.1 In case of conflict or primacy of interpretation the provisions of SPP Rules 2010 (amended 2013) shall have an overriding effect not withstanding anything to the contrary contained in these bidding documents

Read and Agreed by M/s _____.

Name _____.

Signature with Stamp _____.



PART-IV

56. BID DATA SHEET

Introduction	
1	Name of Procuring Agency: Medical Superintendent , GMMMCH Sukkur
2	Name of Contract. "Tender for Supply of & Installation of Medical Equipment/Instruments Machinery &GENERAL ITEMS"
Bid Price and Currency	
3	Prices quoted by the Bidder shall be "fixed" and in " Pak Rupees"
Preparation and Submission of Bids	
4	<p><i>Selection Criteria / Responsiveness Criteria:</i></p> <ol style="list-style-type: none"><i>The bidder should be sole agent/exclusive distributor of Manufacturer. Authorization for this tender will not be accepted.</i><i>The bidder must have done at least Five (05) Contacts of similar nature. "Similar nature means Supply of equipment etc. (Please submit copy of PO/Contract Agreement/Notification of Award).</i><i>The Bidder should not have been barred by any of Provincial or Federal Govt. Deptt., Agency, Organization or autonomous body or Private sector organization anywhere in Pakistan. (Submission of undertaking on 100/- legal stamp paper).</i><i>The bidder must have turnover/sales exceeding 60 Million in PKR annually in any of last three years. (Submission of Audited Annual Reports or verifiable Letter or statement from the Bank.</i><i>All the proposed products should be well known, well reputed brands and widely used for its quality, performance and reliability.</i><i>Latest Income Tax Certificate (NTN), Valid GST Registration Certificate.</i><i>Valid PNRA registration certificate (for x-ray items)</i><i>Price offered for any item should be for the entire quantity demanded, partial quantity offers shall straight way be rejected.</i> <p>Note: Bidder must provide necessary supporting documents as proof in respect of the selection criteria mentioned above.</p>
5	Amount of bid security. 2% of Bid
6	Bid validity period. 90 days
6.1	Bid validity Clarification may be requested not later than 07 days before the submission date For Clarification of bid purposes only, the Purchaser's address is: Attention: <i>Medical Superintendent, GMMMCH Sukkur</i> Address:
7	Number of copies. One original One copy
8	Amount of Performance Guarantee of @ 2% for Bid successful Bidder
9	Deadline for bid submission. 29-03-2018 at 12.00 NOON
10	Bid Evaluation: Lowest as best quality evaluated bid



Part-V

57. Special Conditions of Contract

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

57.1 Definitions (GCC Clause 33)

GCC 33 (g)—The Procuring Agency is: Office of the Medical Superintendent, Ghulam Muhammad Mahar Medical College Hospital, Sukkur

57.2 Performance Security (GCC Clause 36)

GCC36—The amount of performance security, as a percentage of the Contract Price, shall be: 5%.

57.3 Inspections and Tests (GCC Clause 37)

Representative of Procuring Agency or his nominee shall inspect the procured good and ensure that it meets the tender specifications before its acceptance

57.4 Delivery and Documents (GCC Clause 40)

GCC 42—Supplier shall supply and install the goods within 30 Days after signing the contract and shall submit the following.

- (i) Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
- (ii) Packing List identifying the contents of Supply;
- (iii) Delivery note.
- (iv) Warranty and guarantee certificate;

57.5 Warranty (GCC Clause 39)

The equipment shall bear Standard warranty (with free parts & labor) from the date of installation / acceptance. Upon expiration of warranty, Purchaser at its option may enter into a Service Level Maintenance Agreement upon expiry of the warranty period in accordance with terms embodied in Appendix-A hereto

57.6 Payment (GCC Clause 44)

Hundred percent (100%) of the Contract Price shall be paid upon delivery, and satisfactory Installation, integration and testing of the products at the Project site (s), subject to the production of installation and Operational Acceptance certificates duly signed by authorized Representative.

57.7 Liquidated Damages (GCC Clause 48)

If the Supplier fails to deliver the goods or perform the services within the time period(s) specified in the contract, the Purchaser shall, without prejudice to its other remedies under the contract deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.07 percent of the Contract Price for each day of delay until actual delivery or performance, up to a maximum deduction of 10% of the Contract Price. Once the maximum is reached, the purchaser may consider termination of the contract.

57.8 Resolution of Disputes (GCC Clause 51)

In the case of a dispute between the Procuring agency and the Supplier, the dispute shall be referred to the dispute resolution mechanism as defined in rule 31, 32 and 34 of the (SPPRA 2010) Amended 2013

57.9 Applicable Law (GCC Clause 53)

GCC 29.1 Contract shall be interpreted in accordance with the Sindh Public Procurement law of Sindh.



Part-VI

58. SCHEDULE OF REQUIREMENTS

The delivery schedule hereafter expressed the date of delivery required.

S.No.	Product	Items Description	Quantity	Required Delivery Schedule from the Date of Contract Award	Location
1.	Tender for Supply of & Installation of Medical Equipment/Instruments Machinery & General Items				

Note: Specifications of above items are attached below.



Part-VII

59. SAMPLE FORM

TECHNICAL SPECIFICATIONS			
QUANTITY			
Bidder's response column must be filled either YES or NO.			
Bidders must attach Technical literature for item quoted			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
Make	Specify		
Model	Specify		
Manufacturers literature	Specify		
Type	Specify		
& Other related specification			



59.1 Letter of Acceptance

Date: _____

To:

Medical Superintendent
GMMC Hospital Sukkur

Dear Sir:

Having examined the bidding documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver the required item 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 Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we will obtain the guarantee of a bank in a sum equivalent to Five (5) percent of the Contract Price/Pay order for the due performance of the Contract, in the form prescribed by the Purchaser.

We agree to abide by this Bid for a period of 15 days from the date fixed for Bid opening under Clause 5 of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of 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.

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 _____



59.2. Price Schedule in Pak. Rupees

Name of Bidder _____ NIT Number _____ Page of _____

1	2	3	4	5		6	7
Item Name	Description	Country of origin	Quantity	Unit price Delivery Duty paid (DDP) / All Taxes		Total	Remarks (if any)
				Words	Figure		

Total Bid amount in words: _____

Total Bid amount in figure: _____

Signature of Bidder _____

Note:

- (i) In case of discrepancy between unit price and total, the unit price shall prevail.
- (ii) The unit and total prices Delivered at main Medical Store GMMMC Hospital , Sukkur should include the price of incidental services. No separate payment shall be made for the incidental services.



59.4. Contract Form

THIS AGREEMENT made the _____ day of _____ 20____ between *MS GMMMC Hospital, Sukkur.* (hereinafter called "the Procuring agency") of the one part and [*name of Supplier*] of [*city and country of Supplier*] (hereinafter called "the Supplier") of the other part:

WHEREAS the Procuring agency invited bids for certain goods and ancillary services, viz., **Tender for Supply & Installation of Medical Equipment/Instruments Machinery & General Items 2017-18.** And has accepted a bid by the Supplier for the supply of those goods and services in the sum of [*contract price in words and figures*] (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSED AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the 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.
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 the contract.

INWITNESS whereof the parties hereto 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)



59.6. Manufacturer's Authorization Form

To:

Medical Superintendent

GMMMC Hospital Sukkur

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 Agent]* to submit a bid, and subsequently sign the Contract with you against NIT No. *[reference of the Invitation to Bid]* for the above goods manufactured by us.

We hereby extend our full guarantee and warranty as per Clause 44 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 letterhead 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.



60. 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.

61. UNDERTAKING

61.1 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.

61.2 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.

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

62. CERTIFICATE

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

Signature & Stamp of Contractor _____

Name _____

Designation _____

Address _____



**LIST OF MACHINERY AND EQUIPMENT FOR ESTABLISHMENT OF 24 BEDDED MEDICAL ICU AT
GMC HOSPITAL SUKKUR**

ANNEXURE (A)

ITEM NO. 01

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	ICU VENTILATOR	Qty	12
<p><u>SPECIFICATION:</u></p> <p>ICU Ventilator for Medical ICU with advance servo controlled. Suitable for Adult and Pediatric patients. Invasive and non-invasive technology. 10 to 15 inch or more touch screen display with internal turbine system Turbine life should 7 to 8 years Battery backup support for 120 minutes or more. Should have real time monitoring. Modes of Ventilation: Assisted Control Mandatory Ventilation (CMV). Synchronized Intermittent Mandatory Ventilation (SIMV) Spontaneous Ventilation. Body Weight Calculator for set the tidal volume and other ventilator parameters. Volume-controlled. Pressure-controlled. Volume Targeted Pressure-controlled Dual Level PEEP (SPAP) Auto Control Apnea back-up ventilation. Active Exhalation Valve Automatic Leak Compensation (up to 60 Lpm or more). Auto set alarm feature up to 1000 or more Event log. Tidal volume: 5 ~ 2000 ml or better. Respiratory rate: 1 ~ 120 bpm or better. Pressure control: 10 ~ 80 cmH²O or better. Pressure support: 0 ~ 80 cmH²O or better. Peak flow: 1 ~ 120 lpm or better. Inspiratory Time: 0.2 ~ 8 sec or better. Oxygen concentration: 21 ~ 100% Display parameter: Delivered oxygen concentrations 21 - 100%. Trend Data up to 72 hours or more More than 35 monitoring parameters. Real Time Graphics, Volume vs Time, Pressure vs Time, Flow vs Time, Flow Volume Loops, Pressure Volume Loops. Capable of providing adaptive support system Humidification Selection (HME, Humidifier, and None) To be supplied with all standard accessories.</p> <p>OR EQUIVALENT FDA AND CE/JIS APPROVED USA/EUROPE/JAPAN/UK</p>			



TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	MULTIPARAMETER MONITOR	Qty	25
<ul style="list-style-type: none"> • DISPLAY <ul style="list-style-type: none"> • 12.1" Color TFT-LCD TOUCH SCREEN OR MORE • Resolution 800 X 600 pixels or higher • POWER SUPPLY <ul style="list-style-type: none"> • Power Voltage AC 100-240V 50/60Hz • Power Input ≤ 85VA • Fuse: T1.6AL/250V, Φ5X20 (mm) • Safety class: Category I • BATTERY <ul style="list-style-type: none"> • Type: rechargeable Sealed LITHIUM, 12V/2.0AH • Charge time: ≤ 10 hours (2 batteries for 20 hours) • Operating time under normal use and full charge: <ul style="list-style-type: none"> • ≥ 60 minutes (2 batteries for 120 minutes) • Operating time after the first alarm if low battery: 5-15 minutes • THERMAL RECORD (OPTION) <ul style="list-style-type: none"> • Method: thermal dot array • Paper width: 50mm (1.97 in) • Paper Speed: 12.5/25/50 (mm/sec) • Traces Maximum: 3 tracks • SYSTEM OUTPUT <ul style="list-style-type: none"> • Ethernet Network standard RJ45 socket • RF Wireless LAN: 433MHz, 10mW (option) • Defibrillation Output: Option • Video Output: Option • ALARM <ul style="list-style-type: none"> • 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.
- 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)
- **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, TEMP, Battery Lead-acid
- **OPTION:**
- Litium battery, 2-TEMP, 2-IBP, Recorder, EtCO2 (side stream, main stream),
- Anesthetic Gas, Nellcor SpO2, ICG
- **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: 10~300 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: 25.0~50.0°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: 1,2,3,4,5,10,15,20,30,60,90
- 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

- **SIZE AND WEIGHT**
- Size 318mm X 264mm X 152mm
- Weight 4.5kg



OR EQUIVALENT

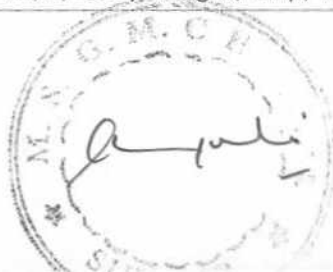
ISO AND FDA/CE/JIS APPROVED
USA/EUROPE/JAPAN/UK

ITEM NO. 03

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	DEFIBRILLATOR	Qty	06
<ul style="list-style-type: none">• 360 J energy, Biphasic Waveform Technology• 7" color graphic TFT LCD display or better.• Built-in standard 12-lead ECG• Synchronous or asynchronous mode• Semi-automatic (AED) or manual control• Operation from paddles• Short charging time less than 5 sec or better• Charging time for fast action start from 2.7 secs to 200 J , 4.5 secs to 360 J• Alarm functions• Should have 3-channel high-resolution recorder or better.• Should have Pacemaker with Mode Demand (VVI), Fixed Rate (VVO), Type Transthoracic non-invasive, Waveform Rectilinear, constant current• Pulse Width 40 msec, Current Amplitude 0 and 20..200 mA, 1 mA resolution• Rate 30..200 ppm, 1 ppm resolution• Patient Impedance Range 0..1000 ohms with indicator• Should have Optional upgradeable for ETCO2 , SpO2, NIBP• Should have available option any time upgradeable for electrodes for internal defibrillation.• Battery Capacity More than 5 hours continuous monitoring or 200 shocks at 200J Indicator 5-stage indicator on screen and LED indicator when turned off, Must be Charge time Less than 2 hours for full charge.• Report Browser Software On PC, from exported USB data <p>OR EQUIVALENT ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK</p>			

ITEM NO. 04

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	INFUSION PUMP	Qty	25
<p>SPECIFICATION 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</p>			

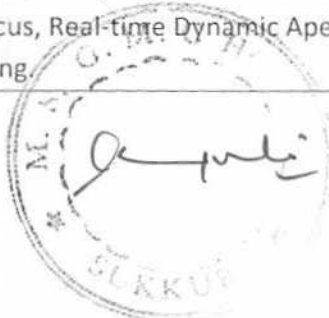


ITEM NO. 05

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	ABG MACHINE	Qty	01
<ul style="list-style-type: none"> • 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 • Built in printer <p>OR EQUIVALENT ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK</p>			

ITEM NO. 06

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	ULTRASOUND MACHINE WITH PROBE	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 Beam Apodization, Dynamic filtering.</p>			



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 $\geq 8\text{m/s}$, CWD: Max. Measurable velocity $\geq 8\text{m/s}$, Min. Measurable Velocity $\leq 2\text{mm/s}$ (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 $\geq 100\text{s}$.

RTDT: Real-time dynamic transfer of images and videos.

SVVR: Super volume video recording up to 1 hr.

Archiving and Record: Management System $\geq 250\text{GHDD}$, 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
 ISO AND FDA/CE/JIS APPROVED
 USA/EUROPE/JAPAN/UK

ITEM NO. 07

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	DOUBLE OXYGEN LINE	Qty	01
Supplying / Installation of complete Medical Engineering System Comprising			



of: -

COPPER PIPE

- Imported Copper Pipe 18 Swg.
de – Oxidised, de – greased, half – hard,
solid drawn with required copper fittings
as follows: -

Size	1"	-	Rft.
	3/4"	-	Rft.
	1/2"	-	Rft.

- **OUTLET POINTS**

Medical Gases Outlet Points,
Surface Type, wall – mounted
In accordance with the Healthcare
Technical Memorandum
HTM 2022

- Oxygen Outlet
- Air Outlet – 4 bar
- Nitrous Oxide
- Vacuum Outlet Points
- Air Outlet 7 bar

(U.K/U.S.A/JAPAN)

- **ISOLATION VALVES**

Isolation Valves with adaptor.

Size	3/8"
	1/2"
	3/4"
	1"

(U.K/U.S.A/JAPAN)

- **MEDICAL AIR PLANT SYSTEM**

Oil Free Air Compressor System

Comprising of: -

- I) 02 Nos. Air Compressor Sysetm
15 HP (One in use and other stand by)
- II) 02 Nos. Refrigerated Air Dryers
- III) 02 Nos. Pre- Air Filter (5 Micron)
- IV) 02 Nos. After Air Filter (1 Micron)

(U.K/U.S.A/TAIWAN/KOREA/JAPAN)

- **BY PASS SYSTEM**



By pass system with
Network of pipeline system and
Isolation Valves to connect the stand
By Compressor and refrigeration dryer
In case of emergency. (LOCAL)

- **CONTROL PANEL**

Change over electric control panel
Complete with installation for
Compressor and Dryer.
(LOCAL)

- **OXYGEN SUPPLY MANIFOLD**

The Manifold is a to switch from bank in use to reserve
Bank without fluctuation in delivery supply line pressure
and without the need for external power. After the switch-over
the "reserve" bank becomes the "bank in use" and the bank in
use becomes the reserve bank.

The system is able maintain continuous supply 1500LPM
Capacity (2 x 10) with capacity of 180 M3/H set of connection
for cylinders/Hp. Valves , discharging valves, tell pipe

Make: Local with Imported parts

- **NITROUS OXIDE MANIFOLD (LOCAL)**

The Manifold is a to switch from bank in use to reserve
Bank without fluctuation in delivery supply line pressure
and without the need for external power. After the switch-over
the "reserve" bank becomes the "bank in use" and the bank in
use becomes the reserve bank.

The system is able maintain continuous supply 1500LPM
Capacity (2 x 4) with capacity of 50 M3/H set of conection
for cylinders/Hp. Valves , discharging valves, tell pipe

Make: Local with Imported parts

- **ZONE SERVICE UNITS (LOCAL)**

Zone Service Unit complete box
With Imported Isolation Valve and adaptor.

- **MEDICAL GAS ALARM**

Supplying and installation of Alarm
System of different Gases
With mute / test facility, gives
Sound and flash light whenever
The pressure in line decreases
The set pressure for individual



- Collection jar 1 liter or more.
- Manual resuscitator for adults with two face masks (adult and child).
- One IV Pole which can be placed at both sides of the cart.
- Should have cardiac massage board.
- Dimensions: 1400 x 470 x 680 mm.

OR EQUIVALENT

ISO AND FDA/CE/JIS APPROVED

USA/EUROPE/JAPAN/UK

ITEM NO. 10

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	PORTABLE X RAY MACHINE 100MA	Qty	01
<ul style="list-style-type: none"> • High frequency X-Ray inverter type Generator • Having output power of 4kW or more • X-Ray tube protections, KVP range: 40-110kV or more • MA Range: 10-100mA or better, mAS range: 1.0-200mAs or better • Centering light indicator • Standard power supply cable, • X-ray exposure switch cable, • Vertical movement of the Arm to lower or raise the tube collimator assembly • Rotation of the Collimator with reference to the power module (+/- 90deg) or better. 			
OR EQUIVALENT			
ISO AND FDA/CE/JIS APPROVED			
USA/EUROPE/JAPAN/UK			

ITEM NO. 11

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	LARYNGO SCOPE	Qty	02 SETS
UltraSafe™ Standard UltraSafe™ Mini UltraSafe™ Paediatric UltraSafe™ Stubby Batteries C AA N AA OR EQUIVALENT			
ISO AND FDA/CE/JIS APPROVED			
USA/EUROPE/JAPAN/UK			



ITEM NO. 12

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	AMBO BAG SILICON	Qty	05
Bag volume: Adult (1475 ml), Pediatric (635 ml), Neonate (220 ml) Dimensions: Adult (295x127 mm), Pediatric (234x99 mm), Neonate (165x70 mm) Weight: Adult (350 g), Pediatric (230 g), Neonate (112 g) (including reservoir and mask) Additional detailed specification can be found in the datasheets OR EQUIVALENT ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK			

ITEM NO. 13

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	B.P APPRATUS	Qty	20
The maximum number of cuff inflations for each SP in the mercury measurement is five , counting all MIL attempts and blood pressure attempts. The rationale for this is twofold: to minimize the discomfort to the SP of frequent cuff inflations and to accomplish data collection for this measurement within the time allowed. OR EQUIVALENT ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK			

ITEM NO. 14

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	FOOD TROLLEY	Qty	05
<ul style="list-style-type: none"> • Latest Technology • Good quality • Standard Size • State of the art manufacturing • Brochure must be provided • Must be portable easily with Trolley tyres Breakfast, Lunch and Dinner Oriented OR EQUIVALENT ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK			

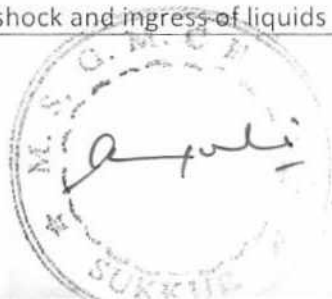


ITEM NO. 15

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	BIPAP VENTILATORS	Qty	04
<ul style="list-style-type: none"> • 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 <p>OR EQUIVALENT ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK</p>			

ITEM NO. 16

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	WARMER	Qty	02
<ul style="list-style-type: none"> • Blood warmer with display • Control to Monitor and manage transfusion (blood) temperature. • Automatically Cutoff/Stop, Audible & Visual Alarms for low/ overheating • Should Heat liquids without risk of contamination • Self-tests and error display • Setting of temperature from 37 °C to 41 °C in 0.5 °C increments • Automatic adaption of the heating control system • Should meet AABB Guidelines for use of blood warming device • Current : 6 A • Protection against electric shock and ingress of liquids 			



- Should have multiple independent cut- off from 42°C

OR EQUIVALENT

ISO AND FDA/CE/JIS APPROVED

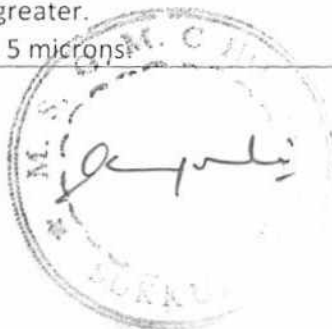
USA/EUROPE/JAPAN/UK

ITEM NO. 17

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	BLOOD WARMER	Qty	02
<ul style="list-style-type: none"> • Blood warmer with display • Control to Monitor and manage transfusion (blood) temperature. • Automatically Cutoff/Stop, Audible & Visual Alarms for low/ overheating • Should Heat liquids without risk of contamination • Self-tests and error display • Setting of temperature from 37 °C to 41 °C in 0.5 °C increments • Automatic adaption of the heating control system • Should meet AABB Guidelines for use of blood warming device • Current : 6 A • Protection against against electric shock and ingress of liquids • Should have multiple independent cut- off from 42°C 			
<p>OR EQUIVALENT</p> <p>ISO AND FDA/CE/JIS APPROVED</p> <p>USA/EUROPE/JAPAN/UK</p>			

ITEM NO. 18

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	NEUBILIZER MACHINE	Qty	12
<ul style="list-style-type: none"> • Latest and state of art • Ultrasonic energy for uniform and highly dense 1 - 5 microns or more. • 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 pneumoclean (Air filter). • Made of highly resistant sterilizable resin. • Stand with solution bottle for safety. • Nebulizing rate: 4 ml/min or greater. • Mist particle size: approx. 1 – 5 microns 			



- Nebulizing times setting: 1 – 30 min& continuous
- Medication cup capacity: 150 ml.
- Accessories:
- Tray set for nebulizer with tray track and pole mount fitting.

OR EQUIVALENT

ISO AND FDA/CE/JIS APPROVED
USA/EUROPE/JAPAN/UK

ITEM NO. 20

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	ECG MACHINE 6 CHANNEL	Qty	02
<ul style="list-style-type: none"> • 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 • 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

OR EQUIVALENT

ISO AND FDA/CE/JIS APPROVED
USA/EUROPE/JAPAN/UK

ITEM NO. 21

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	VITAL SIGN MONITORS	Qty	20
TECHNICAL SPECIFICATION			
Size	125x299x130mm		
Weight	1.25kg		
Displaytype / size	LED 100 x 120mm		
Power voltage	100 -240VAC		
Power frequency	50/60 Hz		
Input current	0.15-.03A		
Battery type / capacity	lithium ion, 11.1V, 2200 mAh		
Thermometer battery type/ capacity	LR03 (AAA x 2) 1.5 VDC		
Patient groups	Adult, Paediatric& Neonate		
NiBP	Oscillometric		
SpO ₂	0% to 100%, 1% resolution		
Temperature (option)	Tympanic, 34°C to 42.2°C (93.2°F to 107.6°F)		
OR EQUIVALENT			
ISO AND FDA/CE/JIS APPROVED			
USA/ JAPAN/UK			



ITEM NO. 22

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	AIR MATTRESS	Qty	05
Latest technology Commodity Size 1940*840*80 mm Packing Size 1940*900*80 mm CBM 0.13 Material: waterproof, mold proof, ventilate cover, sponge ,palm fiber OR EQUIVALENT ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK			

ITEM NO. 23

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	UV LIGHTS	Qty	08
<ul style="list-style-type: none"> • Latest Technology • Good quality • Standard Size • State of the art manufacturing • Brochure must be provided • Must he portable • As used worldwide mostly in the field of Hospitals OR EQUIVALENT ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK			

ITEM NO. 24

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	X-RAY ILLIMINATOR	Qty	04
<ul style="list-style-type: none"> • Latest Technology • Good quality • Standard Size • State of the art manufacturing • Brochure must he provided • 2 in 1 Horizontally or more • Must be Digital latest LED lights. OR EQUIVALENT ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK			



ITEM NO. 25

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	ELECTROLYTE ANALYZER	Qty	01
<p>Measuring Method: ISE Measuring Test: Serum K⁺, Na⁺, Cl⁻, Ca⁺⁺, pH Measuring Units: mmol/L K⁺: 0.50-15.00 0.01; CV≤1.0% Na⁺: 30.0-200.0 0.1; CV≤1.0% Cl⁻: 30.0-200.0 0.1; CV≤1.0% Ca⁺⁺: 0.10-50.00 0.01; CV≤1.0% pH: 6.0-9.0 0.01; CV≤1.0%</p> <p>Measuring Time: Less than 30 sec Sample Size: 100μL Communication Interface: RS-232 Display: LCD Printer: Built in Thermal Power Supply: 220 -240 VAC 50/60Hz Calibration: Automatic or On Demand</p> <p>OR EQUIVALENT</p> <p>ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK</p>			

ITEM NO. 26

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	STEAMER	Qty	04
<ul style="list-style-type: none"> • Base ø 55 cm - Arm 50 cm • Height 105-130 cm • Material ABS • 220 – 240 V 700W 50/60 Hz. The Viso steamer is ideal for performing deep cleansing facial treatments. • The unit takes advantage of the dilating effect of steam, which can also be supplemented with ozone. • The steam delivery nozzle on the arm can be positioned as desired, and the rolling stand allows the unit to be moved effortlessly. • Also equipped with a timer and a safety system that shuts off the unit if it runs out of water or if the thermostat fails. <p>OR EQUIVALENT</p> <p>ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK</p>			

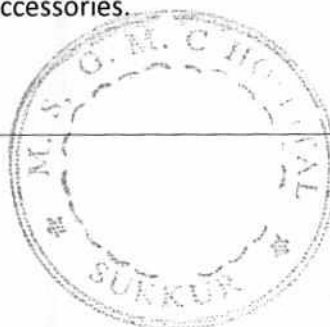


**MACHINERY EQUIPMENT FOR ESTABLISHMENT OF 24 BEDDED SURGICAL ICU AT GMC HOSPITAL
SUKKUR**

(B)

ITEM NO. 01

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	ICU VENTILATOR	Qty	06
<p><u>SPECIFICATION:</u></p> <p>ICU Ventilator for Medical ICU with advance servo controlled. Suitable for Adult and Pediatric patients. Invasive and non-invasive technology. 10 to 15 inch or more touch screen display with internal turbine system Turbine life should 7 to 8 years Battery backup support for 120 minutes or more. Should have real time monitoring. Modes of Ventilation: Assisted Control Mandatory Ventilation (CMV). Synchronized Intermittent Mandatory Ventilation (SIMV) Spontaneous Ventilation. Body Weight Calculator for set the tidal volume and other ventilator parameters. Volume-controlled. Pressure-controlled. Volume Targeted Pressure-controlled Dual Level PEEP (SPAP) Auto Control Apnea back-up ventilation. Active Exhalation Valve Automatic Leak Compensation (up to 60 Lpm or more). Auto set alarm feature up to 1000 or more Event log. Tidal volume: 5 ~ 2000 ml or better. Respiratory rate: 1 ~ 120 bpm or better. Pressure control: 10 ~ 80 cmH²O or better. Pressure support: 0 ~ 80 cmH²O or better. Peak flow: 1 ~ 120 lpm or better. Inspiratory Time: 0.2 ~ 8 sec or better. Oxygen concentration: 21 ~ 100% Display parameter: Delivered oxygen concentrations 21 - 100%. Trend Data up to 72 hours or more More than 35 monitoring parameters. Real Time Graphics, Volume vs Time, Pressure vs Time, Flow vs Time, Flow Volume Loops, Pressure Volume Loops. Capable of providing adaptive support system Humidification Selection (HME, Humidifier, and None) To be supplied with all standard accessories.</p> <p>OR EQUIVALENT FDA AND CE/JIS APPROVED USA/EUROPE/JAPAN/UK</p>			



TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	MULTIPARAMETER MONITOR	Qty	25
<ul style="list-style-type: none"> • DISPLAY • 12.1" Color TFT-LCD TOUCH SCREEN OR MORE • Resolution 800 X 600 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 Sealed LITHIUM, 12V/2.0AH • Charge time: ≤ 10 hours (2 batteries for 20 hours) • Operating time under normal use and full charge: • ≥ 60 minutes (2 batteries for 120 minutes) • Operating time after the first alarm if low battery: 5-15 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) • 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 			



- Gain: x1, x2, x4
- Sweep speed 6.25mm/s, 12.5mm/s, 25mm/s
- **TEMP**
- Measurement Range: 25.0~50.0°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: 1,2,3,4,5,10,15,20,30,60,90 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
- **SIZE AND WEIGHT**
- Size 318mm X 264mm X 152mm
- Weight 4.5kg

OR EQUIVALENT
 ISO AND FDA/CE/JIS APPROVED
 USA/EUROPE/JAPAN/UK



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 $20\mu\text{l}$

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

Specification: 11.1V 2600mAh

Charging time: 5h (under OFF state)

Working time: $\geq 9\text{h}$ (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: $5-40^{\circ}\text{C}$

humidity: 20-90%, non-condensable

atmospheric pressure: 86-106kPa

Transport & Storage: temperature: $-20-60^{\circ}\text{C}$

humidity: 10-95%, non-condensable

atmospheric pressure: 50-106kPa

Optionals

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

OR EQUIVALENT

ISO AND FDA/CE/JIS APPROVED

USA/EUROPE/JAPAN/UK



ITEM NO. 05

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	ABG MACHINE	Qty	01
<ul style="list-style-type: none"> • 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 <p>OR EQUIVALENT</p> <p>ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK</p>			

ITEM NO. 06

TECHNICAL SPECIFICATIONS															
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS															
	DOUBLE OXYGEN LINE	Qty	01												
<p>Supplying / Installation of complete Medical Engineering System Comprising of: -</p> <p>COPPER PIPE</p> <ul style="list-style-type: none"> • Imported Copper Pipe 18 Swg. de – Oxidised, de – greased, half – hard, solid drawn with required copper fittings as follows: - <table style="margin-left: 40px;"> <tr> <td>Size</td> <td>1"</td> <td>-</td> <td>Rft.</td> </tr> <tr> <td></td> <td>3/4"</td> <td>-</td> <td>Rft.</td> </tr> <tr> <td></td> <td>1/2"</td> <td>-</td> <td>Rft.</td> </tr> </table> <ul style="list-style-type: none"> • OUTLET POINTS 				Size	1"	-	Rft.		3/4"	-	Rft.		1/2"	-	Rft.
Size	1"	-	Rft.												
	3/4"	-	Rft.												
	1/2"	-	Rft.												



Medical Gases Outlet Points,
Surface Type, wall – mounted
In accordance with the Healthcare
Technical Memorandum
HTM 2022

- Oxygen Outlet
- Air Outlet – 4 bar
- Nitrous Oxide
- Vacuum Outlet Points
- Air Outlet 7 bar

(U.K/U.S.A/JAPAN)

- **ISOLATION VALVES**

Isolation Valves with adaptor.

- Size 3/8"
 1/2"
 3/4"
 1"

(U.K/U.S.A/JAPAN)

- **MEDICAL AIR PLANT SYSTEM**

Oil Free Air Compressor System

Comprising of: -

- V) 02 Nos. Air Compressor Sysetm
 15 HP (One in use and other stand by)
- VI) 02 Nos. Refrigerated Air Dryers
- VII) 02 Nos. Pre- Air Filter (5 Micron)
- VIII) 02 Nos. After Air Filter (1 Micron)

(U.K/U.S.A/TAIWAN/KOREA/JAPAN)

- **BY PASS SYSTEM**

By pass system with
Network of pipeline system and
Isolation Valves to connect the stand
By Compressor and refrigeration dryer
In case of emergency. (LOCAL)

- **CONTROL PANEL**

Change over electric control panel
Complete with installation for
Compressor and Dryer.
(LOCAL)

- **OXYGEN SUPPLY MANIFOLD**

The Manifold is a to switch from bank in use to reserve
Bank without fluctuation in delivery supply line pressure



and without the need for external power. After the switch-over the "reserve" bank becomes the "bank in use" and the bank in use becomes the reserve bank.

The system is able maintain continuous supply 1500LPM Capacity (2 x 10) with capacity of 180 M3/H set of conection for cylinders/Hp. Valves , discharging valves, tell pipe

Make: Local with Imported parts

- **NITROUS OXIDE MANIFOLD (LOCAL)**

The Manifold is a to switch from bank in use to reserve Bank without fluctuation in delivery supply line pressure and without the need for external power. After the switch-over the "reserve" bank becomes the "bank in use" and the bank in use becomes the reserve bank.

The system is able maintain continuous supply 1500LPM Capacity (2 x 4) with capacity of 50 M3/H set of conection for cylinders/Hp. Valves , discharging valves, tell pipe

Make: Local with Imported parts

- **ZONE SERVICE UNITS (LOCAL)**

Zone Service Unit complete box
With Imported Isolation Valve and adaptor.

- **MEDICAL GAS ALARM**

Supplying and installation of Alarm
System of different Gases
With mute / test facility, gives
Sound and flash light whenever
The pressure in line decreases
The set pressure for individual
Gas i.e

- Oxygen -
- Medical Air 4 bar -

(LOCAL)

- **FLOWMETER SET**

Oxygen Flowmeter O – 15 LPM
Complete with Humidifier and probe
(U.K/U.S.A/JAPAN)

- **SUCTION INJECTOR UNIT**

Complete with 02 Ltrs (2000ml)
Collection jar and probe
(U.K/U.S.A/JAPAN)

OR EQUIVALENT
ISO AND FDA/CE/JIS APPROVED
USA/EUROPE/JAPAN/UK



ITEM NO. 07

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	DOUBLE VACCUM SYSTEM	Qty	01
Compatible to central oxygen system) -THE SYSTEM SHOULD BE JOINT WITH SURGICAL ICU. OR EQUIVALENT ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK			

ITEM NO. 08

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	CRASH TROLLEY	Qty	04
<ul style="list-style-type: none"> • Should be made in steel painted with epoxy resin with four castors with brakes. • Should have four drawers of 310 x 400 x 470 mm. • Should have tray with size of 400 x 400 mm or better support 25 kg or better. • Should have two side rails. • Oxygen and suction regulator, flowmeter 0-15 L/min or better. • Venturi suction device (60 cmHg – 600 mbar) or more • Collection jar 1 liter or more. • Manual resuscitator for adults with two face masks (adult and child). • One IV Pole which can be placed at both sides of the cart. • Should have cardiac massage board. • Dimensions: 1400 x 470 x 680 mm. OR EQUIVALENT ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK			

ITEM NO. 09

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	LARYNGO SCOPE	Qty	03 SETS
UltraSafe™ Standard UltraSafe™ Mini UltraSafe™ Paediatric UltraSafe™ Stubby			



Batteries

C
AA
N
AA

OR EQUIVALENT

ISO AND FDA/CE/JIS APPROVED
USA/EUROPE/JAPAN/UK

ITEM NO. 10

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	AMBO BAG	Qty	10
<p>Bag volume: Adult (1475 ml), Pediatric (635 ml), Neonate (220 ml) Dimensions: Adult (295x127 mm), Pediatric (234x99 mm), Neonate (165x70 mm) Weight: Adult (350 g), Pediatric (230 g), Neonate (112 g) (including reservoir and mask) Additional detailed specification can be found in the datasheets OR EQUIVALENT OR EQUIVALENT ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK</p>			

ITEM NO. 11

TECHNICAL SPECIFICATIONS

RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

	B.P APPRATUS	Qty	10
<p>The maximum number of cuff inflations for each SP in the mercury measurement is five, counting all MIL attempts and blood pressure attempts. The rationale for this is twofold: to minimize the discomfort to the SP of frequent cuff inflations and to accomplish data collection for this measurement within the time allowed. OR EQUIVALENT ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK</p>			



ITEM NO. 12

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	BIPEP VENTILATORS	Qty	04
<ul style="list-style-type: none"> • 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 <p>OR EQUIVALENT</p> <p>ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK</p>			

ITEM NO. 13

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	BLOOD WARMER	Qty	05
<ul style="list-style-type: none"> • Blood warmer with display • Control to Monitor and manage transfusion (blood) temperature. • Automatically Cutoff/Stop, Audible & Visual Alarms for low/ overheating • Should Heat liquids without risk of contamination • Self-tests and error display • Setting of temperature from 37 °C to 41 °C in 0.5 °C increments • Automatic adaption of the heating control system • Should meet AABB Guidelines for use of blood warming device 			



- Current : 6 A
- Protection against electric shock and ingress of liquids
- Should have multiple independent cut-off from 42°C

OR EQUIVALENT
 ISO AND FDA/CE/JIS APPROVED
 USA/EUROPE/JAPAN/UK

ITEM NO. 14

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	NEUBILIZER MACHINE	Qty	12
<ul style="list-style-type: none"> • Latest and state of art • Ultrasonic energy for uniform and highly dense 1 - 5 microns or more. • 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 pneumoclean (Air filter). • Made of highly resistant sterilizable resin. • Stand with solution bottle for safety. • Nebulizing rate: 4 ml/min or greater. • Mist particle size: approx. 1 – 5 microns. • Nebulizing times 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 ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK</p>			

ITEM NO. 15

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	ECG MACHINE 6 CHANNEL	Qty	02
<ul style="list-style-type: none"> • 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
- 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

OR EQUIVALENT

ISO AND FDA/CE/JIS APPROVED
USA/EUROPE/JAPAN/UK



ITEM NO. 16

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	VITAL SIGN MONITORS	Qty	20
TECHNICAL SPECIFICATION			
Size	125x299x130mm		
Weight	1.25kg		
Display type / size	LED 100 x 120mm		
Power voltage	100 -240VAC		
Power frequency	50/60 Hz		
Input current	0.15-.03A		
Battery type / capacity	lithium ion, 11.1V, 2200 mAh		
Thermometer battery type/ capacity	LR03 (AAA x 2) 1.5 VDC		
Patient groups	Adult, Paediatric & Neonate		
NiBP	Oscillometric		
SpO ₂	0% to 100%, 1% resolution		
Temperature (option)	Tympanic, 34°C to 42.2°C (93.2°F to 107.6°F)		
OR EQUIVALENT			
ISO AND FDA/CE/JIS APPROVED			
USA/ JAPAN/UK			

ITEM NO. 17

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	AIR MATTRESS	Qty	05
Latest technology			
Commodity Size 1940*840*80 mm			
Packing Size 1940*900*80 mm			
CBM 0.13			
Material: waterproof, mold proof, ventilate cover, sponge ,palm fiber			
OR EQUIVALENT			
ISO AND FDA/CE/JIS APPROVED			
USA/EUROPE/JAPAN/UK			

ITEM NO. 18

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	UV LIGHTS	Qty	08
<ul style="list-style-type: none"> • Latest Technology • Good quality 			



- Standard Size
- State of the art manufacturing
- Brochure must be provided
- Must be portable
- As used worldwide mostly in the field of Hospitals

OR EQUIVALENT

ISO AND FDA/CE/JIS APPROVED
USA/EUROPE/JAPAN/UK

ITEM NO. 19

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	X-RAY ILLIMINATOR	Qty	04
<ul style="list-style-type: none"> • Latest Technology • Good quality • Standard Size • State of the art manufacturing • Brochure must be provided • 2 in 1 Horizontally or more • Must be Digital latest LED lights. <p>OR EQUIVALENT ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK</p>			

ITEM NO. 20

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	STEAMER	Qty	02
<ul style="list-style-type: none"> • Base ø 55 cm - Arm 50 cm • Height 105-130 cm • Material ABS • 220 – 240 V 700W 50/60 Hz. The Viso steamer is ideal for performing deep cleansing facial treatments. • The unit takes advantage of the dilating effect of steam, which can also be supplemented with ozone. • The steam delivery nozzle on the arm can be positioned as desired, and the rolling stand allows the unit to be moved effortlessly. • Also equipped with a timer and a safety system that shuts off the unit if it runs out of water or if the thermostat fails. <p>OR EQUIVALENT ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK</p>			



ITEM NO. 21

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	CENTRAL MONITOR	Qty	02
<p>Features</p> <p>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.</p> <p>Large storage capacity</p> <p>96 hours holographic ECG waveform storage and Replay</p> <p>240 hours trend graph review</p> <p>1.000 alarm record</p> <p>30.000 patient historical data</p> <p>Alarm data saves all physiological parameters and waveforms 12 seconds before and after the alarm</p> <p>Strong printing function</p> <p>Support various kinds of printers</p> <p>Can print case reports at any time so as to timely master the patient's info</p> <p>Copy screen print for single bed, with 13 channels of waveform at most</p> <p>Data review print including the trend graph review, trend list replay, ECG review and alarm incident review</p> <p>Easy and convenient operation</p> <p>Large font screen</p> <p>Provide indication of probe detachment</p> <p>Provide detailed notes to facilitate operation</p> <p>Can record, search and classify the abnormal ECG events</p> <p>Bi-directional communication with bedside unit</p> <p>Central Unit able to remotely control the bedside unit to measure BP</p> <p>Technical specifications</p> <p>In accordance with IEC60601 standard</p> <p>Power supply: AC 100-120 / 200-240V, 50/60 Hz</p> <p>Minimum system requirements</p> <p>Intel Pentium IV 2.4GHz CPU or above</p> <p>256MB RAM or above</p> <p>Windows 2000+SP4 or Windows XP + SP2 system</p> <p>80GB Hard disk or above</p> <p>40X CD-ROM or above</p> <p>17" TFT, Resolution: 1280 x 1024, 75Hz (4:3) non-interlaced scanning</p>			



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

ISO AND FDA/CE/JIS APPROVED
 USA/EUROPE/JAPAN/UK

ITEM NO. 22

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	AMBULATORY HOLTER WITH BLOOD PRESURE MONITORING SYSTEM	Qty	02

Specifications/ Feature:

- Fast record analysis
- Should have FDA 510K certificate
- Simple, user friendly software with multiple functions
- Precise QRS classification and rhythm analysis
- QRS template classification
- Arrhythmia analysis, arrhythmia overview
- Color coded graphs
- ST level and slope analysis
- QT analysis
- Heart Rate Variability analysis (Time and frequency domain)
- Heart Rate Turbulence analysis
- Atrial Fibrillation analysis
- Microvolt T
- Pacemaker analysis
- BP record analysis using multiple computed parameters and graphs
- Various Holter reports
- GDT
- Local, network operation
- Export, import functions
- Full-disclosure ambulatory ECG records
- 2 independent channels
- Compact size, lightweight, graphic LCD display
- Wireless (Bluetooth) communication with PC
- Patient event
- Recording duration: 24, 48, 72 hours
- PC connection: Bluetooth, USB
- Sampling rate: 128, 256, 512, 1024 Hz



- Recording rate: 128, 256, 512, 1024 Hz
- ADC resolution: 16 bit
- Dynamic range: +/- 20 mV
- Power supply: 1 X 1.2 V AAA

OR EQUIVALENT

ISO AND FDA/CE/JIS APPROVED
USA/EUROPE/JAPAN/UK

ITEM NO. 23

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	SUCTION MACHINE	Qty	05
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- 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		



4xAA NiMH rechargeable cells
 Wall cube/power supply
 Reusable sensor
 Multi lingual instruction for use CD
 OR EQUIVALENT

ISO AND FDA/CE/JIS APPROVED
 USA/EUROPE/JAPAN/UK

ITEM NO. 27

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	OESOPHAGAL STETHOSCOPE	Qty	10
Length: 27" (69 cm) Weight: .4079 lbs (185 g) Binaural Construction: Single lumen Chestpiece Finish: Chrome Chestpiece Technology: Single sided Diaphragm Diameter: 2.0" (51 cm) Diaphragm Material: Polyurethane-Coated Silicone Diaphragm Type: Digital Electronic Filtering - Ambient Noise Reduction (ANR) Eartip Type: Soft Sealing Extra Eartips: No Headset Material: Wide diameter aerospace alloy / Anodized aluminum Patient: Adult, Infant, Pediatric Performance: 10+ Special Adaptors: No Tube Color: Black Model: 3MTM Littmann® Electronic Stethoscope Electronic 3200 Applications: Cardiology/High Performance OR EQUIVALENT ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK			

ITEM NO. 28

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	MINI TRACHEOSTOMY SET	Qty	02
30pcs Instruments Set With Instrument Tray OR EQUIVALENT ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK			

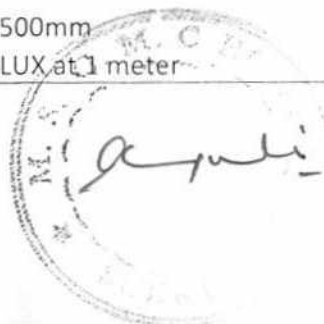


ITEM NO. 29

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	OPERATION TABLE WITH BATTERY BACKUP	Qty	02
<p>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 OR EQUIVALENT ISO AND FDA/CE/JIS APPROVED USA/EUROPE/JAPAN/UK</p>			

ITEM NO. 30

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	O.T LIGHT- DOUBLE DOOM SURGICAL LIGHT WITH BATTERY + CAMERA + MONITOR & CAMERA SYSTEM WITH COMPLETE INSTALLATION	Qty	02
<p>Note : OT LIGHT & CAMERA SYSTEM SHOULD BE QUOTED SEPARATELY</p> <p>LIGHT -1</p> <ul style="list-style-type: none"> • Dimension Cupola: 700mm • Light Intensity : 160,000 LUX at 1 meter <p>LIGHT -2</p> <ul style="list-style-type: none"> • 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 : $\leq 9MS$
Field Frequency : 50Hz, 60Hz, 70Hz

OR EQUIVALENT

ISO AND FDA/CE/JIS APPROVED
USA/EUROPE/JAPAN/UK

ITEM NO. 31

TECHNICAL SPECIFICATIONS			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
	ANESTHESIA MACHINE WITH INTEGRATED VENTILATOR AND VAPORIZER	Qty	02
<p>Standard/Cascade flow tubes. -Cascade flow tubes with with electronic flow display providing numeric representation of gas flow -Virtual flow display (VFD) numeric and graphic</p> <p>-Virtual flow display also provides touch screen control of back lighting -O₂ 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 alongwith hoses. Pin Index cylinder yokes. Gas Outlet and O₂ flush control.</p>			



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
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.
Should have 30 minute battery backup

Gas Agent monitoring (Agent Analyzer) and Ende tidal CO2 (EtCO2) monitoring of Same Brand should be quoted as Option.

OR EQUIVALENT

ISO AND FDA/CE/JIS APPROVED

USA/JAPAN/UK

