No:LUH/Gen-Br/- 17580 82

To,

The Director of Information (Advertisement), Government of Sindh, Block No:96, Sindh Secretariat, KARACHI.

SUBJECT:- PUBLICATION OF TENDER NOTICE.

Seven copies of Tender Notice of this hospital is sent herewith with the request that it may kindly be published in widely circulated English, Urdu & Sindh Newspaper in single insertion.

Medical Superintendent Liaquat University Hospital Hyderabad / Jamshoro

Dated 18-05 - 2017.

No:LUH/Gen-Br/- 17580 /82

Copy forwarded for information to:-

1. The Secretary, Government of Sindh, Information & Technology Department, Karachi with request the same may be pasted on www.sindh.gov.pk.

2.4 The Managing Director, Sindh Public Procurement Regulatory Authority Government of Sindh, Karachi with request the same may be pasted on www.pprasindh.gov.pk.

3. Notice Board.

Medical Superintendent Liaquat University Hospital Hyderabad / Jamshoro

Advertisement1

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LIAQUAT UNIVERSITY HOSPITAL HYDERABAD/JAMSHORO

Ph: 022-9210207 Fax: 022-9210208

TENDER NOTICE

1) Medical Superintendent Liaquat University Hospital Hyderabad / Jamshoro invites sealed bids on DDP / C&F basis from well reputed manufacturer, sole agent or distributor in Pakistan registered with Income Tax & GST for the purchase of Machinery / Equipment under ADP Scheme No. 592 "Establishment of Cardiothoracic Surgery Department @ Liaquat University Hospital, Hyderabad" for the financial year 2016-17 as per SPPRA Rules 2010 (Amendment 2017).

Tender Enquiry No.	37/2016-17
Name of Bid	Supply of Machinery / Equipment for Cardiothoracic Surgery Department
Bidding Procedure	Single Stage Two Envelope
Bid Security	2.5% of the total bid value
Bid Validity	90 days
Tender Fee	Rs 2,000/- (non-refundable)
Issuance of Tender Documents	20.05.2017 to 06.06.2017
Submission of Tender	07.06.2017 at 11:00 AM
Opening of Tender	07.06.2017 at 11:30 AM

- Complete set of tender documents containing Schedule of Requirements, Technical Specification with Term & Conditions can be purchased with a non-refundable fee in Rs 2,000/- from the admin office.
- 3) Tender documents can be downloaded from SPPRA website.
- Bid shall include all government taxes.
- 5) Deduction in the bills will be done as per government rules
- 6) Bid Security @ 2.5% of the total bid value of quoted items by the bidder in shape of pay order / demand draft / bank guarantee in favour of Medical Superintendant Liaquat University Hospital Hyderabad / Jamshoro.
- 7) In case of discrepancies between the Tender Notice and the Tender Documents, the Tender Documents shall take precedence.
- 8) In case of announcement of public holiday or any un-favourable circumstance, the bids shall be submitted and opened as per given schedule on the next working day.
- 9) The Medical Superintendent LU Hyderabad / Jamshoro reserves the right to increase or decrease the quantity of any item of schedules as and when it is deemed necessary according to SPPRA Rules. This office may reject all or any bids subject to the relevant provision of SPPRA Rules.

Queries can be addressed at the following numbers or in person during office hours.
 Ph: 022-9210207 Fax: 022-9210208

) Medical Superintendent Liaquat University Hospital Hyderabad / Jamshoro

LIAQUAT UNIVERSITY HOSPITAL, HYDERABAD / JAMSHORO FINANCIAL YEAR 2016-17

scription of Procurement.	Qty	Estimated Total cost		Source of funds (ADP / Non ADP)	Proposed Procure- ment method	Timing of Procurement 1st Qtr 2nd Qtr 3rd Qtr 4th Qtr	Remark						
ugs / Medicines & Surgical Items (L.P)		87.75 M	87.75 M	Non ADP	Single Stage Two Envelope	In all quarters as per Requirement							
etary Items.		34.13 M	34.13 M	do	do	do							
niform & Liveries		3.18 M	3.18 M	do	do	do							
isc / Petty / Electric Items.	losed	4.39 M	4.39 M	do	do	do							
edical Gases		19.69 M	19.69 M	do	do	do							
anitorial Services & Items.		9.45 M	9.45 M	do	do	do							
rinting Articles.		0.92 M	0.92 M	do	do	do							
tationary Articles		Enclosed	p	pe	pe	pe	pe	0.55 M	0.55 M	do	do	do	
nstruments			3.68 M	3.68 M	do	do	do						
consumable Items / Pathology Kits & Chemicals.	Enc	11.08 M	11.08 M	do	do	do							
Deployment of Security Guards	List	13.20 M	13.20 M			do							
Repair of Machinery / Equipment				19.88 M	19.88 M	do	do	do					
Repair of Furniture / Fixture.	1	1.98 M	1.98 M	do	do	do							
Drugs / Medicines under Zakat Fund (Bulk)	1	42.0 M	42.0 M	do	do	Subject to Release of Funds							
Drugs / Medicines under Zakat Fund (LP)		28.0 M	28.0 M	do	do	Subject to Release of Funds							
Drugs / Medicines & Surgical Items for Cardiothoracic Surgery Department		10.0 M	10.0 M	do	do	Subject to Release of Funds	to to						
Machinery Equipment under SNE		55.0 M	55.0 M	do	do	Subject to Release of Funds							
Furniture / Fixture under SNE				do	do	Subject to Release of Funds							
Stores Purchase under ADP Scheme	1			ADP	do	Subject to Release of Funds							

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Medical Superintendent Liaquat University Hospital Hyderabad / Jamshoro



NOTIFICATION

NO.HD (P&E) 3-5 (55) / 2016. In Supersession of this department's notification of even number, dated 19.12.2016, the Government of Sindh, Health Department is pleased to constitute a Procurement Committee under Clause-7 of Sindh Public Procurement Rules 2010, comprising of the following members for purchase of machinery / equipment and furniture / fixture and linen / liveries under revenue component in respect of ADP scheme No.592, namely "Establishment of Cardiothoracic Surgery Department, Liaquat University Hospital Hyderabad" for the year 2016-17:

Dr. Naeem Zia Memon
 Additional Medical Superintendent,
 Liaquat University Hospital,
 Hyderabad / Jamshoro.

Chairman

 Dean Faculty of Surgery and Allied Sciences Liaquat University of Medical and Health Sciences Jamshoro. Member

 Head of Cardiothoracic Surgery Department Liaquat University of Medical and Health Sciences Jamshoro.

Member

4. The Additional Medical Superintendent (1) Liaquat University Hospital, Hyderabad.

Member

 Representative of District Accounts Officer, Hyderabad. Member

The committee will responsible to observe all the codal formalities as per Sindh Public Procurement Rules 2010 (Amended 2013) as well as Government rules and procedures.

(DR.FAZLULLAH PECHUHO) SECRETARY HEALTH

Karachi, dated 16.03.2017.

NO.HD (P&E) 3-5 (55) / 2017

C.c.to:

• The Vice Chancellor, Liaquat University of Medical and Health Sciences Hyderabad / Jamshoro with request to advice the member to attend the meetings for above said committee.

• The Managing Director, Sindh Public Procurement Regularity Authority, Karachi.

The Medical Superintendent, Liaquat University Hospital Hyderabad / Jamshoro.

• The District Accounts Officer, Hyderabad with request to nominate the member not below the rank of BPS-18 for above said committee.

· All members of the committee.

. P.S. to Secretary, Health Department, Govt. of Sindh, Karachi,

Statistical Officer (Dev)

re (do



NO.HD(P&E) 3-2 (427)/2014 GOVERNMENT OF SINDH HEALTH DEPARTMENT

(Procurement, Monitoring and Inspection Cell) Karachi dated the 10th APRIL, 2017.

NOTIFICATION

No.HD(P&E)3-2(427)/2014. In supersession to this department's notification of even number dated 9-03-2017 and in pursuance of Rule 31 of the Sindh Public Procurement Rules, 2010, a Departmental Complaint Redressal Committee, comprising of following officers is hereby reconstituted as under to resolve complaints of aggrieved bidders:

1. Special Secretary, Health Department.

Chairman

2. Representative from Accountant General Sindh,

Member

3. Independent expert from relevant field concerning (to be nominated by the Head of Procuring Agency)

Member

Deputy Secretary (PM&I)

Member

Deputy Secretary (General)

Member/Secretary

ToRs.

To perform according to Rule 31 of SPPRA, 2010.

To Perform any other function ancillary and incidental to the above.

DR. FAZLULLAH PECHUHO -SECRETARY TO GOVERNMENT OF Sindh

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

Karachi dated the 10th APRIL, 2017

1. The D.G.Health Services, Sindh, Hyderabad.

3. Medical Superintendents (All) Liaqual University Hyclevaled

4. All the Member of the Committee.

5. The PS to Secretary Health Department, Goyt. of Sindh, Karachi.

6. Office order file.

SECTION OF



LIAQUAT UNIVERSITY HOSPITAL HYDERABAD/JAMSHORO

PURCHASE OF MACHINERY / EQUIPMENT FOR THE YEAR 2016-17 FOR ADP SCHEME NO. 592 ESTABLISHMENT OF CARDIOTHORACIC SURGERY DEPARTMENT

TENDER INQUIRY NO. 37 /2016-17

DUE ON 07.06.2017 11:30AM

Single Stage - Two Envelope Bidding Procedure

IMPORTANT DATES

Issuance of Tender Documents	20.05.2017 to 06.06.2017
Submission of Tender	07.06.2017 at 11:00 AM
Opening of Tender	07.06.2017 at 11:30 AM

Instructions to Bidders

- 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.
- Bid Security @ 2.5% of the total bid value of quoted items by the bidder in shape of Pay Order / Demand Draft / Bank Guarantee in favour of Medical Superintendant Liaquat University Hospital Hyderabad / Jamshoro
- 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.
- 4) The bid prepared by the Bidder shall comprise the following <u>mandatory documents</u> to be eligible for technical evaluation:
 - (a) Tender Purchase Receipt (Original)
 - (b) Bid Security
 NOTE: Copy of the instrument with amount hidden in Technical Proposal
 - (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) Supplier Questionnaire Form (Separate for each offered item; duly filled, Signed & Stamped by Bidder)
 - (h) Bidder's registration & membership (with a valid copy):
 - (i) Income Tax & GST Registration Certificate
 - (ii) Professional Tax Certificate (Sindh)
 - (i) Bidder's Financial Status:
 - (i) Company Profile
 - (ii) Bank Account Maintenance Certificate
 - (iii) Bank Statement (last two years)(Showing annual nurvover 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 (For medical equipment, must have Biomedical Engineer)
 - (k) Original Equipment Manufacturer (OEM) or Brand quoted by the Bidder
 - (i) Manufacturer's Authorization
 - Brochure or Catalogue (*Original*)
 NOTE: Photocopies. Photographs or Word document not acceptable.
 - (iii) References of offered model or brand (In Pakistan; preferably in Sindh)
 - (iv) ISO 9001 Certificate
 - (v) ISO 13485 Certificate (where applicable)
 - (vi) CE / FDA / JIS Certificate (where applicable)

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- Bid Form & Price Schedules
 (Duly filled, Signed & Stamped by Bidder)
 NOTE: Bid Form & Price Schedules should be enclosed inside Financial Proposal envelope.
- 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.
- Priority would be given to the goods manufactured in Pakistan in accordance with the Margin of Preference Clause of SPPRA.
- 8) Prices shall be quoted in Pakistani Rupees on DDP and Foreign Currency on C&F basis.
- 9) 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.
- 10) Price should be quoted both in figures and words, failing which the offer will be ignored.
- 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 nonresponsive 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 2.5% 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 per nitted during the technical evaluation;
 - (f) Financial proposals of technically qualified bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance;
 - (g) Financial proposal of bids found technically non-responsive shall be returned un-opened to the respective bidders; and
 - (h) Bid found to be the lowest evaluated or best evaluated bid shall be accepted.
- 13) All pages of the bid, except for un-amended printed literature, shall be initialed by the bidder.
- 14) The bid shall contain no alterations, omissions, or additions, unless such corrections are initialed by the person or persons signing the bid.
- 15) Bids shall be submitted either by the manufacturer or its authorized distributor, if submitted by the manufacturer itself then bid of authorized distributor will be rejected.

16) Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price, which is obtained by multiplying the unit price and quantity, or between subtotals and the total price, the unit or subtotal price shall prevail, and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail. If the Bidder does not accept the correction of errors, its bid will be rejected.

Payment

- (a) For Goods supplied from within the Procuring Agency's country on DDP basis:
 - (i) Payment shall be made in Pak Rupees.
 - (ii) 100% payment will be made to the Bidder after delivery of goods to consignee. Bidder may submit their invoices along with original delivery challan(s) in duplicate duly signed and stamped by the Store/authority and inspection note. The Inspection Committee will prepare and submit a report of physical inspection with a certificate to the effect that the goods conform to the specifications laid down in the bidding documents.
- (b) For Goods supplied from outside the Procuring Agency's country:
 - (i) The Procuring Agency shall established letter of credit for the 80% of contract value in favor of Principal/Manufacturer upon submission of all the requisite documents. Balance 20% payment will be made in Pak Rupees to Bidder after import and delivery of equipment to consignee end.
 - (ii) Bidder will be responsible to bear all the charges for L/C establishment, insurance cover note, storage/demurrage charges, custom clearance and delivery of goods till consignee end.
- 18) 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, 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.
- 19) 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.
- 20) 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.
- 21) In case of discrepancies between the Tender Notice and the Tender Documents, the Tender Documents shall take precedence.

Duly accepted	1 бу	
Sign & Stamp		
Bidder Name		

General & Special Conditions of Contract

- The Procuring Agency is the Liaquat University Hospital Hyderabad / Jamshoro.

 The Bidder is:
- The Contract shall be governed by and interpreted in accordance with laws of the Islamic Republic of Pakistan
- 4) Stores are required immediately. 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. In any case this period shall not exceed thirty (30) months from the date of delivery.
- 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 contactor 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 institute 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.
- 19) Stamp duty @ 0.3% of the value of the Contract will realized/charged by the A.G. Sindh, while making payment to the contractors for award of each contract.

Duly accepted	by
Sign & Stamp	
Bidder Name	

Bidder Evaluation Criteria

The following merit point system for weighing evaluation criteria will be applied for technical proposals.

S. No.	Parameter	Yes / No	Max Points	Point
1	Conformity to the Technical Specifications		20	
	a) Fully compliant with the required specifications		20	
	b) Compliant with minor deviation ≤10% (subject to main function is not affected)		15	
2	Warranty		10	
	a) Warranty (period more than required)		10	
	b) Warranty (period as required)		5	
3	Bidder's Legal Status, Certification & Experience		15	
	a) NTN & GST Certificate		3	
	b) Professional Tax Certificate		3	
	c) SECP Incorporation Certificate		2	
	d) ISO 9001 Certificate		1	
	e) Purchase Orders of last year worth ≥ 1 million rupees (2 point/each order copy)		6	
4	Bidder's Financial Status		10	
	a) Bank Certificate		2	
	b) Bank Statement		3	
	c) Income Tax Return		3	
	d) Audited Financial Statement		2	
5	Bidder's After Sales Services in Sindh		10	
	a) Service Workshop		3	
	b) Tool List		2	
	c) Qualified & Trained Personnel (BE/BSc/DAE) with Bio-Data	100	3	
	d) Trained Personnel (Labour)		2	
6	Original Equipment Manufacturer (OEM) or Brand Quoted		35	
	a) Manufacturer's Authorization		6	
	b) Manufacturer's Website		4	
	c) Brochure or Catalogue (original)		4	
	d) ISO 9001		2	
	e) ISO 13485		2	
	f) CE		2	
	g) FDA		4	
	h) JIS		2	
	i) References of OEM brand / model			
	(i) Government / Semi-Government Teaching Hospital / Institute		3	
	(ii) Armed Forces / NGOs Hospital / Institute		2	
	(iii) Private Renowned Teaching Hospital / Institute		2	
	(iv) International Hospital / Institute		2	
	Total Po	ints	100	

Note:

If a bidder fails to (a) obtain minimum 15 Marks, against the criteria "Conformity to the Purchaser's Specifications", and (b) have valid Manufacturer's Authorization 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.
Gen	eral Bid Documents:		
1	Tender Purchase Receipt (Original)		
2	Bid Security (Pay Order / Bank Draft)		
3	General & Special Conditions of Contract		
4	Schedule of Requirements		
5	Technical Specifications		
Bide	ler's Documents:		
6	Manufacturer's Authorization (as per sample form)		
7	Undertaking (as per sample form)		
8	Certificate (as per sample form)		
9	Income Tax & GST Registration Certificate		
10	Professional Tax Certificate (Sindh)		
11	SECP Incorporation Certificate (if applicable)		
12	Company Profile		
13	Bank Certificate		
14	Income Tax Return (last year)		
15	Workshop for After Sales Services		
16	Technical Team Details		
Orig	inal Equipment Manufacturer (OEM) or Brand Quoted:		
17	Catalogue / Brochures (original)		
18	ISO 9001		
19	ISO 13485		
20	CE		
21	FDA		
22	References of offered model or brand (In Pakistan; preferebly in Sindh)		
Addi	tional Documents:		
te:			

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:	

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[SAMPLE FORM: A]

Manufacturer's Authorization Form

To: Medical Superintendent Liaquat University Hospital Hyderabad / Jamshoro		
WHEREAS [name of the Manufacturer] who are estimated description of the goods] having factories at [address]		me and/o
do hereby authorize [name and address of Agent] to	o submit a bid, and subsequently negotiate an	d sign the
Contract with you against Tender Enquiry No. Jr		
manufactured by us.	eletence of the render Notice; for the abo	ive good:
manufactured by us.		
We hereby extend our full guarantee and warranty a	s per Terms & Conditions of the tender docu	iment and
General Conditions of Contract for the goods offered for		
[Signature for and on behalf of Manufacturer]	[Date]	
Note: This letter of authority should be on the letterhead competent and having the power of attorney to bind Technical Proposal by the Bidder.		

[SAMPLE FORM: B]

Undertaking

WHEREAS [Bidder Name] hereby undertake against abide by the following clauses.	st the Tender Enquiry No.	to
 a) Whether our tender accepted for total, partial agreed to supply and accept the said item(s) stipulated period shown in the contract. 		
b) We understand and confirm the refund of crates to any other Govt./Semi Govt. institution		upplied at lowe
c) If any of the information submitted in according to the may be cancelled at any stage on our cost and		ect, our contract
[Signature for and on behalf of Bidder]	[Date]	
Note: This undertaking should be on a stamp paper of inside the Technical Proposal by the Bidder.	of Rs. 100/- arranged by the Bidder. It show	uld be enclosed
		Page 10 of 36

[SAMPLE FORM: C]

Certificate

To Medical Superintendent Liaquat University Hospital Hyderabad / Jamshoro

WHEREAS [Bidder Name] hereby certify against the Tender Enquiry No. _______ to abide by the following clauses.

- a) We guarantee to supply the stores exactly in accordance with the requirement specified in the tender documents.
- b) We guarantee letter that the supplied Furniture is the original / brand new product.
- c) Our firm is not black listed in any Government Department.

Authorized Sign & Stamp

[Bidder Name]

Note: This certificate should be on the letterhead of the Bidder and should be signed by a person competent and having the power of attorney to bind the Bidder. It should be enclosed inside the Technical Proposal by the Bidder.

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Page 12 of 36

[SAMPLE FORM: D]

Contract

THIS AGREEMENT made the	day of	20	between	[name	of Procuri	ng Agency] of
[country of Procuring agency]	(hereinafter called	"the Procuring	agency")	of the	one part	and [name of
Supplier] of [city and country of	Supplier] (hereinafte	er called "the Su	pplier") of	the oth	er part:	

WHEREAS the Procuring agency invited bids for certain goods and ancillary services, viz., [brief description of goods and services] 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 WITNESSETH AS FOLLOWS:

- In this Agreement words and expressions shall have the same meanings as are respectively assigned to them
 in the Conditions of Contract referred to.
- The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) the Bid Form and 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.

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

Purchaser	Supplier		
Authorized Signature & Official Stamp	Authorized Signature & Official Stamp		
Procuring Agency Name	Bidder Name		
Address	Address		
Contact No	Contact No		

[SAMPLE FORM: E]

Performance Guarantee/Security Form

To:

[Name & Address of the Procuring Agency]

Whereas [Name of Bidder] (hereinafter called "the Bidder") has undertaken, in pursuance of Contract No. [number] dated [date] to supply [description of goods] (hereinafter called "the Contract").

And whereas it has been stipulated in the said Contract that the Bidder shall furnish to the Procuring Agency with a Bank Guarantee by a scheduled bank for the sum of 5% of the total Contract amount as Security for compliance with the Bidder's performance obligations in accordance with the Contract.

And whereas we have agreed to provide a Guarantee: for the said Bidder

Therefore, we hereby unconditionally and irrevocably guarantee, on behalf of the Bidder, up to a total of [Amount of the Guarantee in Words and Figures] and we undertake to pay you, upon your first written demand declaring the Bidder to be in default under the Contract and without requiring the Procuring Agency to initiate action against the Bidder and without cavil or argument any sum or sums within the limits of [Amount of Guarantee] as aforesaid. The amount stated in the demand made under this guarantee shall be conclusive proof of the amount payable by the Guarantor under this guarantee

The obligations of the Guarantor under this guarantee shall be valid for four months after the completion of delivery of supplies by the Bidder to the Procuring Agency of the full quantity of the goods for which this Guarantee is being given, and until all and any obligations and sums due have been paid in full.

[Signature and Seal of the Guarantors / Bank]

Address

Date

Purchase of Machinery /Equipment for the Year 2016-17 for ADP Scheme No. 592 Establishment of Cardiothoracic Surgery Department

Schedule of Requirements

S. No.	Item Description	Qty	Model	Brand	Country of Origin	Delivery
1	Hypothermia Machine	1				
2	IABP with accessories	1				
3	Blood Gas Analyzer	1				
4	Digital Anesthesia Workstation	1				
5	Temporary Pacemaker with Dual Chamber & Leads	2				
6	Ventilator	6				
7	Thoracic Surgery Set	1				
8	Defibrillator with Internal Pedal (Paeds & Adult)	3				
9	Electric Sternal Saw	1				
10	Redo Repeated Sternal Saw	1				
11	Diathermy Bipolar with accessories	1				
12	ECG Machine with 12 Leads	1				
13	Syringe Pump	20				
14	Infusion Pump	10				
15	Laparoscopic Tower / Thoracoscopic Tower	1				
16	Head Light with Battery	2				
17	Autoclave 600 Litre	1				
8	Blood Bank Refrigerator	1				
9	Microwave Oven	2				
0.	Laryngoscope Set	3				
1	Isoflourane Vaporizer	3				
2	Crash Cart with Defibrillator	2				
3	Weight Machine	2				
	Split Air Conditioner 2 Ton with Stabilizer & Installation	6				
5	Open Heart Instrument Set	1				
6	Micro Instrument Set	1				
	Latest Branded Computer with Printer	2				
	Coronary Set Bidder is required to duly fill the details	1				

NOTE: Bidder is required to duly fill the details in Schedule of Requirements sheet against the item(s) offered by them.

Technical Specifications

S. NO.		ITEM DESCRIPTION	QTY	MODEL & BRAND	YES / NO	DIFFERENCE
1	HYPOTHERMIA M	ACHINE	1			
	Certification: ISO 9001. CE					
	1/2 liters) distilled v - Operating Ambient: 32.2°C) - Dead Head Pressure - Flow: 16 gph [gallon	 Normal Reservoir: Operating Volume Approximately 10 quarts (9-1/2 liters) distilled water Operating Ambient: Temperature Range 60°F to 90°F (15.6°C to 32.2°C) Dead Head Pressure: 9.0 psi max (62 kPa max) Flow: 16 gph [gallons per hour] 60.6 liters/hour) – 12 gph [gallons per hour] (45.4 liters/hour) OR Equivalent Country of Origin: USA/EU/Japan 				
,		SORIES	1			
	Certification: ISO 9001, ISO 13485	& CE				
	Specifications					
	Color Display:	8.3"(21 cm)W x 6.2"(15.8cm)H; up 45°, down 55°, right 70°, left 70° viewing angle; Rotates 330°; Tilts 180°; Detachable; Laptop-like closure for storage and protection; Remote monitor mount (optional)				
	Preferences Menu:	User may select display sweep speed (25 or 5) mm/sec), brightness (low. med., high); balloon waveform (on/off); ECG inflation markers (on/off); flashing alarms (on/off)				
	ECG Trigger:	Threshold dynamically adjusted by system for high sensitivi- ty and selectivity of the R-wave detection: Minimum = $120\mu V \pm 20\mu V$ at normal gain: $40\mu V$ at max. gain				
	Pressure Trigger:	Default trigger threshold is automatically adjusted to 38% of the difference between peak systolic and end diastolic (avg. over multiple cycles);				
	In variable mode:	User adjustable between 7 and 30 mmHg±3 mmHg				
	Pacer A Trigger:	R-wave detection (as above) except pacer blanking is extended to 100 ms				
	Pacer V/A-V Trigger:	V Pacer: fixed at rate up to 185 bpm (no demand pacing) A-V Pacer: fixed at rate up to 125 bpm (no demand pacing) with A-V intervals between 80-224 ms				
	Internal Trigger:	Variable mode: 40-120 bpm: Normal mode: 80 ± 1 bpm				
	Tall T-Wave Rejection:	Rejects all T-Waves where Q-T interval is <300 ms (ECG and Pacer A mode) and the amplitude is <70% of QRS input amplitude				
I	Pacer Rejection:	Rejects all pulses of amplitude ± 2.0 mV to ± 700 mV (ECG and Pacer A mode) and durations between 0.1 ms to 2.0 ms with: 1) No tail: 2) 100				

S. NO.		ITEM DESCRIPTION	QTY	MODEL & BRAND	YES / NO	DIFFERENCE
		ms time constant tail < 1 mV; 3) 25 ms time constant tail < 1 mV; 4) 4 ms time constant tail < 2 mV				
	ECG Leads:	In Auto Operation Mode: I, II, III, External In Semi-Auto Mode: I, II, III, AVR, AVL, AVF, V, External (12 lead compatibility)				
	ECG Gain (default):	1 V output per 1 mV input ±5% (waveform automatically scaled to occupy ECG display window)				
	Gain (variable): Frequency Response:	0.15 to 3.0 cm/mV ±20% (autoscaling disabled) 0.5-12 Hz (display); 0.5-135 Hz (Output to Monitor)				+1
	Defibrillator Protection:	Discharge levels 360 J (trace returns to screen in 5 sec. max)				
	ESIS:	Automatic suppression with internal ECG amplifier				
	AP Source Selection: AP Input Sensitivity: Excitation: Frequency Response:	Transducer/external (menu based) 5.0µV/V/mmHg +5 VDC ± 5% @ 130 mA (max) DC to 12 Hz (display)				
	External Mon. Inputs:	ECG: 1 V/mV (nominal); AP: 1 V/100 mmHg (nominal) Phone Jack: ECG 1V / mV, BP 1V/100 mmHg				
	ECG/BP Output: Mains Voltage: Mains Frequency:	100-120 VAC ± 10% or 220-240 VAC ± 10% 50/60 Hz ± 3 Hz				
	Internal Battery:	24 VDC (nominal), 17,2 Amp-hour, 3 hrs. (approx. @ 90 bpm)				
	Battery Type: System Compressor:	Maintenance free; Sealed lead-acid Dual head diaphragm pump with brushless DC				
	IAB Helium (He+):	Medical-grade; 0.5 L (2900 psi) or 0.69 L (2200 psi)				
	He+ Endurance (nominal):	1.8 mo. (.5 L); 2 mo. (0.69 L); continuous operation - 24 hrs./day				
	Condensate Removal: WIN-IABP (optional):	Fully automatic condensate removal and disposal Software for remote clinical assistance and training				
	Service Diagnostics:	Built-in software for system analysis and troubleshooting				
11	Modem Data Rate: Modem Certifications:	Up to 9,600 baud Registered with FCC and accepted in 89 countries				
	Op. Temp.: Op. Humidity:	10°C - 40°C 5 - 95% (R.H.) non-condensing				
	Op. Altitude:	0 - 12.000 feet (3.657 m); automatic altitude correction for IAB pressure				
	Printer Type:	Thermal array - 48 mm wide		- 1		
	Printer Menu:	On-screen selection of waveforms; strip length; print on alarm; and alarm/trigger log				
	Waveforms (any 1 or 2):	ECG (lead number & size labeled), arterial pressure, BPW				
	Annotation:	Event Markers: Trigger pulse (upper), inflation interval				
	Additional Data;	Space for patient I.D.; Date: Time: Alarm and Advisory messages: Timing mode: Trigger: HR. Frequency: Syst/Dias (in 1:1): Assisted and Unassisted Syst/ Dias (in 1:2 or 1:3): Augmented Pressure: Mean Pressure: Operation Mode				
11122	Accessories					
- 11	Doppler:	8 MHz non-directional probe				
	Saline Pole: Simulator*:	Height adjustable Emulates ventricular rhythms; Pacers; HR: A-lib				
	Remote Mount*:	Mounts keypad/monitor on bypass pump				
	Storage Case*:	3-pocket design holds cables and spare items				

S. NO.		ITEM DESCRIPTION	QTY	MODEL & BRAND	YES/ NO	DIFFERENCE
	Pump Cover*: Ext Cable: *(Optional) Regulatory Compliance Safety	Padded vinyl with pocket Monitor extension cable IEC 60601-1: 1998 / EN 60601: 1990				
		IEC 60601-2-27: 1994 / EN 60601-2-27: 1994 IEC 60601-2-34: 2000 / EN 60601-2-34: 2000 EC Medical Device Directive 93/42/EEC U1.2601-1:1997 CSA C22.2 No. 601.1-M90 EMC IEC 60601-1-2:2001 / EN 60601-1-2: 2001 RTCA/DO-160D Sect. 21 Cat. B RTCA/DO-160D Sect. 20 Cat. T				
	Shock & Vibration	EN 1789:1999 RTCA/DO-160D Sect. 7 Cat. B RTCA/DO- 160D Sect. 8 Cat. U MIL-STD-810F LCD Screen Complies to NLC spec (NEC: EL-LCD0034 (2)) UTS Version: Rugged base which attaches to docking station (DS)				
	Dimensions: Console Weight: Lightweight DS*: *(Suggested Option) - OR Equivalent	30.0"H x 22.5"W x 13.2"D 133.2 lbs. (60.4 Kg) 17.8" (45.1 cm) x 20.0" (50.8 cm)				
	Country of Origin: USA/EU/Japan					
	BLOOD GAS ANALYZ	ER	1			
	<u>Certification:</u> ISO 9001, ISO 13485 & 0	Œ				
	Glu. Lac, tHb, barometr					
	ICO2, BB, O2 sat, O2 SHUNT, Acid-Base Sta					
	- Sampling Method: Aspi	sts/hour depending on configuration ration system adapted for both capillary and				
	- Sample Volume: 50-200	inse Solution automatically µl depending on measured parameters				
	Respiration Gas	lood. Arterial Blood, Urine, Serum, Plasma, bration in standard and economy modes				
	suited to your working h Measurement Temperatu					
-	Data Capacity: 2 GB SD sets Display: 5.4" LCD-displa	Card. 32000 measurements and QC data ay. illuminated, 15-lines, 30 characters				
	OR Equivalent Country of Origin:					
- 1	JSA/EU/Japan	WODESTATION				
C	DIGITAL ANESTHESIA Pertification:					
	SO 9001. ISO 13485 & CI	E				
	SO 9001, ISO 13485 & Cl pecifications	E.				

S. NO	ITEM DESCRIPTION	QTY	MODEL & BRAND	YES / NO	DIFFERENCE
	- Anesthesia machine trolley mounted with electronic ventilator, Gas Agent monitoring (Agent Analyzer) End tidal CO2 (EtCO2) monitoring - Large integrated TFT touch Display, at least 10" or more Various monitoring wave form and parameters in different colors - VCV, PCV, SIMV, Spontaneous, PSV modes - 2 Station Selectatec backbar with integrated pressure relief valve - Integrated CO2 absorption system, 1.5 liter or more Integrated oxygen monitor - 6 tube of flow meters for three gas - Flow meter: O2: 0-1L/min, 1-10L/min - N2O: 0-1L/min, 1-10L/min - Air: 0-1L/min, 1-10L/min - Gas System: O2 deficiency alarm - Common gas outlet with Oxygen flush hook - Breathing Circuit hook - Three drawers unit - Writing tablet - Working mode: closed, semi-closed, semi-open - Four cylinder yokes plus pipeline - Electronic ventilator - Driven mode: electrically controlled - Ventilator for adult and pediatric - Model: VCV, PCV, SIMV, Spontaneous, PSV modes - Tidal volume: 20-1500ml - Ventilator frequency: 4-60bpm - LE ratio: 1:05 to 1:6 - Electronic PEEP: 5-20cm112O - Battery back 2 hours - Electronic alarms: Automatic and user setable - Alarms: Mains failure, low battery, low pressure, low volume, apnea - etc Support 2 vaporizer - Complete with: Isoflurane or Sevoflurane - OR Equivalent - Country of Origin: - USA/EU/Japan				
	TEMPORARY PACEMAKER WITH DUAL CHAMBER & LEADS Certification: ISO 13485 & CE Specifications: Fast access to DDD, VVI, AAI and VDD pacing modes (including DOO, VOO, AOO, DVI, DAI, VAT, AAT, DDD+AT, DAT) Easy setup of stimulation parameters by ergonomically designed dials and soft keys High rate function for rapid atrial stimulation of up to 1,000 ppm (adjustable while applying rapid atrial stimulation) Optional functions that automatically adjust settings for A-V delay. PVARP and MTR, depending on selected stimulation rate. Standard 9 V Alkaline battery provides at least 8 days of continuous operation (DDD, standard parameters) Attaches easily to bed or IV pole Easy to read backlit display Emergency stimulation mode Automatic mode switch to asynchronous mode upon detection of interference Continuous surveillance of battery exhaustion and pacing lead system	2			

		TEM DESCRIPTION	QTY	MODEL & BRAND	YES / NO	DIFFERENC
- Patient ca for conver safety	ble system feat nient, reliable o	all pre-set parameter values for quick setup turing patented connector with protected pins electrical connections to increase patient				
Technical P	arameters:					
Dimensions		212 mm x 96 mm x 51 mm (8.3" x 3.8" x 2.0")				
Weight (incl	uding battery)	490 g (17.2 oz)				
Connector co		Accepts standard connector pins with diameters ranging from 0.9 to 2.0 mm (used by most temporary pacing leads). Accepts all standard myocardial heart wires and temporary pacing leads for direct connection or through temporary extension cables (ATAR TM cables included).				
Stimulation I	Rate	30 220 ppm				
Atrial overdr	ive stimulation	70 1000 ppm				
Stimulation a	ımplitude	0.1 18 V ± 10%				
Pulse duratio	n	0.05 1.5 ms ± 5%				
Sensitivity		Atrium: 0.2 20 mV ± 10%, infinite, Ventricle: 1.0 20 mV ± 10%, infinite				
A-V delay		5 ms 400 ms ± 5% ± 2 ms				
Pacing mode	s	Primary: DDD, VVI. AAI, VDD Supplementary: DOO, VOO, AOO, DVI. DAI, VAT, AAT, DDD+AT, DAT				
Includes		Standard 9V battery, 2 ATAR extension cables, and a carrying case				
ENTILAT	OR		6	1		
	O 13485 & CE					
Specification: Touch screet Modes of V ACMV, SIN Volume base V-CMV; V- Spontaneou CPAP + Pre CPAP+ Vol Volume con Tidal volum Pcontrol 3 - Psupport 0 - Peak flow (r I-Times 0.1 Oxygen com Breath Type Breath Trigg Flow trigger Monitoring of Delivered ox Trend Data (Pressure:	on 13485 & CF sen LCD 12" or centilation MV. Spontaneous Spontaneo	more display with turbine ous Ventilation re target ventilation. to 115 lpm 100% ation 21-100% ore)				

S. NO.		ITEM DESCRIPTION		QTY	MODEL & BRAND	YES / NO	DIFFERENCE
	- Lung - PO.I. - Loop time - Alar off, p - Batto - Built - Patie - 10 x - OR I	e: Inspiratory & Expiratory time g mech: Cstat, Auto PEEP, RSBI, PMax I/PiMax ps: flow & pressure volume loop, pressure & time loop loop m: complete set of alarm for gas, pressure, volume, po patient disconnect etc. ery backup of 2 hours or more, t in trolley from same Manufacturer ent circuit support arm disposable Patient circuit Equivalent					
		ry of Origin: EU/Japan					
		RACIC SURGERY SET		1			
	Certific ISO 90						
Ì	S. No.		Qty				
	1.	Instrument Container/holder for Sterilization	2				
	2.	Halsted Fcps 5 Cvd Satin	2				
1	3.	Crile Fcps 5-1/2 Cvd Satin	4				
- 11	4.	Crile Fcps 5-1/2 Str Satin	2 2				
- 11	5.	R-Pean Fcps 6-1/4 Cvd Satin R-Pean Fcps 8 Cvd Satin	2	ĺ			
- 11	7.	Allis Tiss Fcps 6 4x5t	2				
- 11	8.	Allis Tiss Feps 0 4435t Allis Tiss Feps 7-1/2 5x6t	2				
- 11	9.	Babcock Tiss Fcps 8	2				
It	10.	Ochsner Fcps 7-1/2 Str Satin	2				
1	11.	Schnidt Feps 7-1/2 Closed Ring	2				
	12.	Bridge Feps 11 Cvd	2				
	13.	Mixter Fcps 9	2				
	14.	Mixter Fcps 10-3/4 horiz Serr	2				
	15.	Tc Masson Nh 10-1/2	1				
	16.	TC Mayo Hegar Nh 8	2				
	17.	TC Mayo Hegar Nh 7	2				
	18.	Te Mayo Ses 6-3/4 Cvd					
	19.	TC Metz Ses 7 Cvd	1				
	20.	TC Metz Scs 11 Cvd					
	21.	TC Mayo Scs 6-3/4 Str					
	22.	Debakey Tangent Occl Clmp 10	2				
	23.	Duval Lung Fcps 7-3/4	2				
	24.	Forester Fcp 91/2 Str Satin					
1	25.	Edna Towel Fcps 5-1/2					
	26.	Backhaus Fcps 5-1/4 Satin #3 knife Handle	2				
1	27.	#7 Knife Handle					
1	29.	#31 knife Handle					
- 11-	30.	Dressing Fcps 6 Serrated	2				
	31.	Tissue Fcps6 1x2t	2		1		
	32.	Dressing Fcps 8 serrated	2				
	33.	Tissue Fcps 8 1x2t	2.				
		Debakey Vasc Tiss Fcps 9-1/2	2				
	35.	Debakey Vase Tiss Feps 7-3/4	2				
		Potts Smith Dress Fcps 9 1/2	2.				
		Russian Tiss Feps 8	2				
		Adson Tiss Fcps 4-3/4 1x2t	2				
		Us Army Retr 8-1/2 s'et/2					
		Cushing Vein Retr 9	1				
		Richardson Retr Loop Hndl Sml	2				
		Richardson Retr Loop Hndl Med	2				
	43.	Kelly Retr Loop Hndl 2x2-1/2	2				

	ITEM DESCRIPTION		QTY	MODEL & BRAND	YES / NO	DIFFERENCE
44.	Balfour Abd Retr 10-1/2	T				
45.	Ribbon Retr 2x13	1				
46.	Ribbon Retr ¼ x 13"	1			1 8	
47.	Ribbon Retr 1 ¼ x 13"	1				
48.	Ribbon Retr 2" x 13"	- 1			1 11	
49.	Ribbon Retr 1-1/2x13	1				
50.	Burford Rib Spreader 8	1				
51.	Fino Rib Spreader Medium 8		1 1			
52.	Davidson Scapula Retr 3x3-1/2		1 1		1 10	
53. 54.	Bailey Rib Contractor Adult Doyen Raspatory 61/2 Lge Left					
55.	Doyen Raspatory 61/2 Lge Right					
56.	Alexender-Farabeuf Raspatory	1				
57.	Bethune Rib Shears 14	1				
58.	Yankauer Suction Tube	1				
59.	Scalpel Handle #3	1			1 11.1	
60.	Metzenbaum Scissors 7 (17.8cm) Cvd, del., TC Insert	1				
61.	Metzenbaum Scissors 9 (22.9cm) Cvd. del., TC Insert	1				
62.	Metzenbaum Scissors 7 Cvd. Carb-n-sert blades	1				
63.	Metzenbaum Scissors 9 Cvd, Carb-n-sert blades					
64.	Martin Tissue Forceps 7 ½ Potts Smith Tissue Forceps 9 3 ¼ Carls n sort Blades	2 2				
65.	Potts-Smith Tissue Forceps 9-3/4 Carb-n-sert Blades Kelly Forceps 5 ½ Cvd	16				
67.	Coller Forceps 6 ¼ Cvd	16				
68.	Backbaus Towel Clamp 5 1/4	16				
69.	Crile Wood Needle Holder 8" Carb-n-sert Blades					
70.	Crile Wood Needle Holder 10" Carb-n-sert Blades					
71.	Ryder Needle Holder 10 1/2 (26.7cm) Carb-n-sert Jaws				1 11 1	
72.	New Orleans Needle Holder 7" Carb-n-sert Blades				1 11 1	
73.	Mayo Hegar Needle Holder 8" Carb-n-sert Blades					
74.	Harrington Retractor 12 (30.5cm), 2 1/2 (6.4cm) wide	1_1_				
75.	Harrington Retractor 12 (30.5cm) 1 ½ (3.8cm) wide					
76.	Volkman Retractor 6 Prongs, Sharp	2				
77.	Volkman Retractor 4 prongs, blunt quivalent					
	y of Origin:					
JSA/E						
Certific SO 900 Specific Defib Bipha 5" or Synch	O1. ISO 13485 & CE cations rillator with monitor & recorder sic & truncated wave form more screen size pronized output with ECG of of energy charges / delivering on main panel and ape	× .	3			
paddle Charg Manua Charg Displa cables Built-i Alarm Built i Auto t	ing indicators al and AED mode energy up to 200J or more. ing time for full energy should be less than 6 sec. ty of heart rate, ECG through paddles and lead I, II& III					

S. NO.	ITEM DESCRIPTION	QTY	MODEL & BRAND	YES/ NO	DIFFERENCE
	Country of Origin: USA/EU/Japan				
9	ELECTRIC STERNAL SAW Certification: ISO 13485 & CE Specifications - Autoclave able full-sealed electric motor - Excellent quality, portable design and adjustable speed control. - Sheath protection function capable of protecting parenchyma from damage - Replace the guide, can be used as reciprocating saw. - Battery without memory environment - OR Equivalent Country of Origin:	1			
	USA/EU/Japan	.			
10	REDO REPEATED STERNAL SAW Certification: ISO 13485 & CE	1			
	Specifications - Ideal for Resternotomy - Sector type blades / Reciprocating blade type - Available with depth support disc for better Control - Autoclave able - Operates on Manman Driving Unit (220 V/5A AC) - OR Equivalent				
	Country of Origin: USA/EU/Japan				
	Certification: ISO 9001, ISO 13485 & CE Specifications - Microprocessor controlled - Capable for Bipolar Cutting and coagulation in SALINE - Suitable for Bipolar Transurethral resection (TUR), as well as Bipolar arthroscopy operation. - Option of cutting with various instruments in saline. - 6 operating modes: - CUT and BLEND offer reliable performance through various types of tissue. - All models offer two COAG modes with opposing characteristics: - COAG provides deep non-carbonizing coagulation whereas FORCED is superficial and sparking. With special electrodes FORCED can mimic the behaviour of electrosurgical spray In the bipolar section the models offer immaculate bipolar coagulation capable of vessel sealing as well as bipolar cutting Settings of each mode are stored independently and kept even when the unit is switched off Timer can be used in each mode to secure reproducibility of certain procedures Output power failure detection system				
-	CUT 400W / 500Ω Crest Factor 1.5 Blend 240W / 500Ω Crest Factor 1.9 Bi CUT 300W / 50Ω Crest Factor 1.5 COAG 150W / 150Ω Crest Factor 1.5				

S. NO	. ITEM DESCRIPTION	QTY	MODEL & BRAND	YES /	DIFFERENCE
	 Forced 100W / 500Ω Crest Factor3.6 Bi COAG 150W / 50Ω Crest Factor1.5 Operating Frequency 357 kHz Modulation Frequency 33 kHz Patient Safety NEMSY (Neutral Electrode Monitoring System) Activation Twin Footswitch and Hand-switch Pencil Duty Cycle 10/30 Safety Class/MDD Class I/IIb Applied Parts Type BF Dimensions: 280x430x150 mm Weight: 14.4 Kg 				
	Accessories - I reusable finger-switch handle with 3 m cable - 5 monopolar electrodes - 10 single use split neutral electrodes (NE) - I reusable cable for split NE - I bipolar cable 3 m - I bipolar forceps - I twin footswitch - I user manual - OR Equivalent Country of Origin:				
12	USA/EU/Japan ECG MACHINE WITH 12 LEADS	1			
12	Certification: ISO 13485 & CE				
	Specifications - Bright backlit color LCD 5" screen or better - 12-lead ECG simultaneous display. - Unit should be capable to extend ECG in case any arrhythmia occurs. - High level 12-lead ECG analysis program of at least 200 findings. - Latest interpretation program and alpha numeric keyboard for patient id input and reporting. - Battery back-up of at least 60 minutes continuous recording. - Large data storage of at least 3000 ECG files. - 6-ECG traces recording on 110mm paper. - Provision of transferring wave forms and analysis results to a PC. - Easy data transfer by USB or wireless LAN. - Analyses sampling rate should at least be 500 samples/sec. - With acquisition sampling rate of at least 8000 or more samples per sec. - ECG machine to be quoted with ECG viewing software with personal computer. - Patients printing density of 200dpi (8 dots/mm), 320 dots/mm 2 (25mm/sec.) With paper speed of 10, 12.5, 25, 50mm/sec. - Sensitivity: 5, 10, 20mm/mv - Performance standard: iec 60601-2-51 (2003) - Offered ECG should have burgada dedection software. - Local made trolley. - OR Equivalent				
	Country of Origin: USA/EU/Japan	20			
	SYRINGE PUMP Certification:	20			
	ISO 13485 & CE				
	Specifications: Large LED-display				

S. NO	THE MIDESCRIPTION	QTY	MODEL & BRAND	YES /	DIFFERENCE
	- Volume Range 0-999.9ml - Flow Rate increments 0.1ml/h - Bolus Function - Selectable Occlusion limit - KVO - Battery life about 7 hours - Pole clamp - Weight 2.0Kg - Technical Parameters: - Channel: Single - Syringe Brand: Standard Syringe - Syringe Size: 10ml, 20ml, 30ml, 50/60ml - Infusion Volume: 0-999.9ml in steps of 0.1ml /h - Highest Infusion Rate: 400ml/h Weight: 2.0kg - Infusion Rates: - 0.1 - 400ml/h (50ml/60ml) - 0.1 - 200ml/h (20ml/30ml) - 0.1 - 99.9ml/h (10ml) - KVO: 0.1ml/h ±0.02 ml/h - Accuracy: ± 2% - Purge / Bolus: - 400 ml/h (50ml/60ml) - 200 ml/h (20ml/30ml) - 99.9ml/h (10ml) - Occlusion Pressure High - 10ml syringe Spec: 100Kpa ±30Kpa - 20, 30, 50/60ml syringe Spec: 90Kpa ±30Kpa - Occlusion Pressure Low - 10ml syringe Spec: 70Kpa ±30Kpa - 20, 30, 50/60ml syringe Spec: 50Kpa ±30Kpa - Display: LED - Key board: Numeric - Mute: 2-minute - Controls: ON/OFF, START/STOP, BOLUS, SELECT, CLEAR - Alarms: - Audible & visual syringe installation failure, Occlusion, Near end, - Pause overtime, Low-battery, Completion, Power interruption, Motor failure, Incorrect Syringe specification, Electrical circuit jam - Power: - Main Power: AC 100-240VAC 50/60Hz - Power Consumption: 18 VA - Battery - Ni-MH: DC 12V, Chargeable - Battery Life: about 7 hours at the rate of 5ml/h - Accessories: - Power Cord x 1 - User Manual x 1 - OR Equivalent - Country of Origin:				
14	USA/EU/Japan INFUSION PUMP	10			
	Certification: ISO 13485 & CE Specifications - Volumetric peristaltic infusion pump.				
	- Flow rate 0.1 to 99.9 ml/h Unit compatible with most IV set Memory functions in case of power failure to retain the most recent				

S. NO.		ITEM DESCRIPTION		QTY	MODEL & BRAND	YES / NO	DIFFERENCE
	- Com batte - Built - Unit - OR I	rate & total volume. prehensive alarm for Air in line, occlusion, door open ry, infusion complete, empty container. in battery charger, complete with IV sets. Equivalent	. low				
	USA/E	y of Origin: EU/Japan					
15		ROSCOPIC TOWER / RACOSCOPIC TOWER		1			
	Certific ISO 13	eation: 485 & CE					
		cations					
	S. No.	Items / Instruments	Qty				
	I.	Trocar Sleeves with Trumpet Valve 5mm (50mm Length) 5.5mm (50mm Length) 10mm (50mm Length) 10.5mm (50mm Length) 11mm (50mm Length) 12.5mm (50mm Length) 13mm (50mm Length) 15mm (50mm Length) 20mm (50mm Length)	1 Set				
	2.	Trocar with Conical tip 5mm 10mm 13mm	1 Set				
	3.	Flexible Trocar Sleeves 7mm (70mm & 100mm Length) 11mm (70mm & 100mm Length)	1 Set				
	4.	Trocar 7mm (70mm & 100mm Length) 11mm (70mm & 100mm Length)	1 Set				
	5.	Trocar Sleeves with stopcock and folding valve 5mm 5.5mm 10mm 11mm	1 Set				
	6.	12.5mm Automatic Trocar Sleeve with manual Trap Door 5mm 5.5mm 10mm 11mm	1 Set				
	7.	 12.5mm Endo Retractors Fan Shaped Endo esophageal Cushing endo retractor Endo eccentric Y retractor 	1 Set				
		Hook Tip Electrode 5mmx330mm Blunt Diamond shaped cutting Dissecting Spatula, insulated Dissecting hook, right angled, insulated with trumpet Monopolar (type A & B) Full range	1 Set				
		Suction Irrigation Tube Set and Tubes	1 Set				
		Rotating & Detachable Seissor 1) Straight Peritoneal Seissors 2) Curved Peritoneal Seissors 3) Hook Seissors	1 Set				

		ITEM DESCRIPTION		QTY	MODEL & BRAND	YES/	DIFFERE
I		4) Micro dissecting scissors straight		1			
П		5) Micro dissecting scissors curved					
Ш		Metzebaum dissecting scissors curved				1 11 1	
11		Metzebaum dissecting scissors straight					
lŀ	11.	Rotating & Detachable (where applicable) Grasping	1 Set				
	1.50	Forceps					
11		Delicate Pattern					
		2) Atraumatic Serrations					
П		3) Debakey, Atraumatic					
		4) 2x3 teeth					
П		5) Claw forceps					
		6) Kocher					
		7) Allis					
		8) HI with Tungsten Carbide					
П		9) Endo Forceps with Single De Bakey closing protection					
		10) Endo Lung		1			
Ш		11) Satinsky Grasper Atraumatic					
П		12) Lumg Grasper Atraumatic (small & Large)					
П		13) Fenestrated					
		14) Heavy pattern					
		15) Pointed					
		16) Marryland curved 17) Curved 45					
		18) Curved 90					
		19) Spoon					
		20) Duval					
П		21) Collin					
1	12.	Needle holder forceps	1 Set				
-	13.	Suture fixation forceps	1 Set				
-	14.	Deep Suture	1 Set				
	F. 15.1	for 3cm & 5cm needles					
	15.	Speculum for Gall bladder Extraction	1 Set				
-	16.	Reducer Sleeve	1 Set				
-	17.	Dilation Sets	1 Set				
		consisting of dilation rod and dilation sleeve(full range)			1		
	18.	Trocar-Stop	1 Set				
Г	19.	Insufflation Needle	1 Set				
		According to Veress (full range)					
	20.	Palpation probe graduated	1 Set				
	21.	Optics	1 Set				
		for laparoscopy autoclavable at 2, 3 bar (full range)				- 11	
1	22.	Sterilizable Optic Heater	1 Set				
1	23.	Fiber Light Cables	1 Set				
		Autoclavable at 2 bar (134°C)					
2	24.	HF Connection Cables	1 Set				
2	25.	Biopsy Forceps	1 Set			1811	
		With thorn					
		Punch					
L		Blakesly	1.5				
-	26.	Instrument oil and cleaning brush	1 Set				
1	27.	Bipolar Coagulation Forceps	1 261				
-	7.0	5mm x 330mm	1 Set				
2	28.	Flexible Trocar Sleeve	1 361				
		o 5.5 mm, Plastic sheath with thread, distal straight, WL 60 mm			1		
-	20	Trocar, spherical	1 Set				
	29.	Flexible Trocar Sleeve	1 Set				
2	21/.	o 5.5 mm, Plastic, WL 75 mm					
7	31.	Trocar, Tip tapered blunt	1 Set				
	32.	Sample Excision Forceps, modular	1 Set				
3	14.	o 3.5 mm, spoon-shaped, WL 310 mm, insulated.					
7	13.	Hook Electrode, monopolar	1 Set				
.3	1014	o 3.5 mm, WL 310 mm					
3	4.	Coagulation Button Electrode	1 Set				
- 3	T.	monopolar, o 3.5 mm, WL 310 mm					
3	5.	Probe Rod	1 Set				
	with the second	o 3.5 mm, graduated, WL 310 mm					

S. NO.		ITEM DESCRIPTION		QTY	MODEL & BRAND	YES / NO	DIFFERENCE
	36. 37.	Suction Tube o 3 mm, graduated, WL 450 mm Fiber light guide	I Set				
	38.	2.3 m long Reprocessing Basket for machine reprocessing and sterilization for operating laparoscope Dimensions (W x L x 11): 131.5 x 471.5 x 74 mm	T Sat				
		Equivalent ry of Origin:					
	USA/E	EU/Japan					
	Certific CE Specifi - ML4 - HR / - S-GU - Powe	ications LED Head Light HRP Binocular Loupes 3.5 x 420mm JARD er Source		2			
	Countr	Equivalent y of Origin: U/Japan					
17	AUTO	CLAVE 600 LITRE		1			
	Certific ISO900	cation: 01, ISO13485, ISO14937 & CE					
	- Meets 97/23 - DOUI - Sealin protect operated and the Adapt remote Colou Displatinner of Custon instruit rubber drying Test pp. Leaka; SUS31 or SUS reliabi Main's techno SUS30 Import Import Built in Drain's Covers Option	cations: s requirement of GB18278-2000 and European I/EC standards BLE DOOR channel type with interlocking and Door 10mm SUS316 stainless steel has severation and manual open device, which maximally tor tive temperature protection measure reduce energic burden from air conditioner timported SIEMENS controller in the PLC systems of the education program are 7" touch screen with convenient operation asys running state, temperature, pressure, time participated temperature as well materilization program including 134°C or 121° ments, lumens instruments, implantation instrument, gravity program, fast program, and manual containing auxiliary program, etc. Trograms including Bowie Dick, PCD Lumen and ge; vacuum leakage rate is less than 0.13Kpa/mil16 stainless steel 6mm for inner CHAMBER was 1316 stainless steel 6mm plate for JACKET guallity of equipment structure manufacturing process, plasma automatical stainless steel for Pipeline System and Asco Angel Seat Valve and German VACUUM PUMP and needle type printer for cycle records water temperature at 65°C are made of brushed stainless steel and for future upgrades; are upgrade is available for future needs	al safety protects to the gy consumption em to achieve rameter and PC for fabric, itents, liquid, introl program, d Vacuum in II, Q245R steel rantees the tic welding				

- Barcode scanning equipment can be connected with traceability system Technical Parameters Rated Working Pressure: 0.21MPa Rated Working Temperature: 134°C Max Chamber Pressure: 0.23MPa Max Sterilizing Temperature: 138°C Max Jacket Pressure: 0.25MPa Design Chamber Pressure: 0.3MPa Design Jacket Pressure: 0.3MPa Design Jacket Temperature: 150°C Chamber Test Water Pressure: 0.38MPa Jacket Test Water Pressure: 0.28MPa Jacket Test Water Pressure: 0.28MPa Temperature Accuracy: 0.1°C Pressure Accuracy: 0.1°C Pressure Accuracy: 0.1°C Temperature Uniformity: ±0.5°C Pulse Vacuum Time: 1–99 Pulse Top Pressure: 90KPa Ultimate Vacuum: -97KPa Vacuum Leak Rate: ≤0.13KPa/min O-99 Power: 40kW Power Rating: 3 Phase AC 380V / 50Hz Water: 280 Litre/cycle). ITEM D	ESCRIPTION	QTY	MODEL & BRAND	YES /	DIFFERENCE
Steam: 25 Kg/cycle Chamber Dimension: 980 x 600 x 600mm Appearance Dimensions: 1300 x 1250 x 1780mm Net Weight: 950Kg Accessories 1) Printer Roll 2) Door Gasket (Seal) 3) Power Supply Cable 4) User Manual Autoclave Package should include the following items with complete installation & commissioning by the bidder. 1) Loading Trolley SS [Qty: 1 pc] - From OEM brand of Autoclave quoted model - Made of stainless steel 304 2) Un-Loading Trolley SS [Qty: 1 pc] - From OEM brand of Autoclave quoted model - Made of stainless steel 304 3) SS Sterilizer Rack [Qty: 1 pc] - From OEM brand of Autoclave quoted model - Made of stainless steel 304 4) Rotary Heat Sealer [Qty: 1 pc] - I-line display - Preferably EU made	- Barcode scanning equipment casystem Technical Parameters Rated Working Pressure: Rated Working Temperature: Max Chamber Pressure: Max Sterilizing Temperature: Max Jacket Pressure: Design Chamber Pressure: Design Jacket Pressure: Design Jacket Pressure: Design Jacket Temperature: Chamber Test Water Pressure: Jacket Test Water Pressure: Jacket Test Water Pressure: Temperature Accuracy: Pressure Accuracy: Sterilization Temp. Accuracy: Temperature Uniformity: Pulse Vacuum Time: Pulse Top Pressure: Pulse Bottom Pressure: Ultimate Vacuum: Vacuum Leak Rate: Positive Pressure Pulse Times: Power: Power Rating: Water: Steam: Chamber Dimension: Appearance Dimensions: Net Weight: Accessories 1) Printer Roll 2) Door Gasket (Seal) 3) Power Supply Cable 4) User Manual Autoclave Package should include complete installation & commiss 1) Loading Trolley SS [Qty: 1] From OEM brand of Autocla-Made of stainless steel 304 2) Un-Loading Trolley SS [Qty: 1] From OEM brand of Autocla-Made of stainless steel 304 3) SS Sterilizer Rack [Qty: 1] From OEM brand of Autocla-Made of stainless steel 304 4) Rotary Heat Sealer [Qty: 1] Paralleline display	0.21MPa 134°C 0.23MPa 138°C 0.25MPa -0.1~0.3MPa 0.3MPa 150°C 0.38MPa 0.28MPa 0.1°C 0.1KPa ±0.2°C ±0.5°C 1~99 80KPa -90KPa -97KPa ≤0.13KPa/min 0~99 40kW 3 Phase AC 380V / 50Hz 280 Litre/cycle 25 Kg/cycle 980 x 600 x 600mm 1300 x 1250 x 1780mm 950Kg e the following items with toning by the bidder: tellowe quoted model 1 pclowe quoted model	QTY			DIFFERENCE

S. NO.	ITEM DESCRIPTION	QTY	MODEL & BRAND	VES /	DIFFERENCE
	6) Air Compressor [Qty: 1 set] - Imported with dryer - For 70-115 psi use with autoclave				
	7) 3-Phase Sequencer [Qty: 1 set] - Imported components, local assembly - To manage 3-phases and prevent reverse vacuum pump - OR Equivalent				
	Country of Origin: USA/EU/PRC/Turkey/Korea				
18	BLOOD BANK REFRIGERATOR	1			
	Certification: ISO 9001 & CE				
	Specifications - Liters: 700 or more - The control system should include: - Key-operated power and alarm switch - Preset temperature set point - Digital temperature display with 0.1°C resolution - Graphic temperature display - Audible and visual power failure indicators - Alarm silence, ring back, and automatic reset functions - Pushbutton alarm test - Keyed door locks - Remote alarm contacts - CFC-free refrigerant - CFC-free foamed in-place urethane insulation - Quiet, hermetically scaled refrigeration compressors - fully extendable stainless steel drawers; - A sensor selection button (for upper and lower cabinet temperature readings): and an independent switch for interior cabinet lights. - OR Equivalent - Country of Origin: - USA/EU/PRC/Japan				
19 N	MICROWAVE OVEN	2			
- - - N	Capacity 32 liters Auto defrost Auto cook menus Grill type OR Equivalent Make: Granded (Preferably LG / Samsung / Panasonic)				
	ARYNGOSCOPE SET	3			
IS S - - C	Sertification: SO 13485 & CE pecifications Fiber optic light source Set of Re=usable Blades OR Equivalent ountry of Origin: SA/EU/Japan				
-	SOFLOURANE VAPORIZER	3			
1 18					

S. NO.	ITEM DESCRIPTION	QTY	MODEL & BRAND	YES/ NO	DIFFERENCE
	ISO 13485 & CE				
	Specifications - Selectec - OR Equivalent				
	Country of Origin: USA/EU				
22	CRASH CART WITH DEFIBRILLATOR	2			
	Certification: ISO 9001, ISO 13485 & CE				
<u>C</u>	Specifications Crash Cart - ABS structure, resistant to erosion - Five (5) drawers: 2 small and 3 big. - Each inner with partitions can be organized freely into different size units for placement of medicine - With handles to move the emergency cart - Defibrillator tray - Telescopic L.V. pole and CPR board - Sliding side shelf - Bumper protector on corners - Oxygen tank holder at the back - High strength ABS material, with side rails around - All drawers should with central locker - OR Equivalent Defibrillator with monitor & recorder - Biphasic & truncated wave form - 5" or more screen size - Synchronized output with ECG - Control of energy charges / delivering on main panel and apex paddle. - Charging indicators - Manual and AED mode energy up to 200J or more. - Charging time for full energy should be less than 6 sec. - Display of heart rate, ECG through paddles and lead L. II.& III patient cables. - Built-in recorder for printing - Alarm for high and low heart rate, low battery warring. - Built-in recorder for printing - Alarm for high and low heart rate, low battery warring. - Built in rechargeable battery with charges for more than 100 shocks - Auto test/self-check - With pediatric and adult external paddles. - ECG cable - AC 220V/50Hz operated OR Equivalent - Country of Origin:				
	JSA/EU/Japan VEIGHT MACHINE	2			
S	pecifications Weighing Scale with Height Measurement OR Equivalent	2			
	Country of Origin: USA/EU/Japan				
4 S	PLIT AIR CONDITIONER 2 TON VITH STABILIZER & INSTALLATION	6			
<u>S</u>	Power Supply: 220V, 50Hz				

).		ITEM DESCRIPTION		QTY	MODEL & BRAND	NO YES	DIFFERENCE
-	. (DR equivalent					
1,	nclu	des:				18.	
-		ompatible Stabilizer					
		estallation of unit with wiring and drainage.					
1	Aake	Market Control of the					
-		led (Preferably Daikin / Gree / Samsung)				-	
0)PE	N HEART INSTRUMENT SET		1			
10	ertif	ication:					
		001, ISO 13485 & CE				1 11	
		guration:					
15	S. No		Qty				
1	1.	Instrument Holder/Container for Sterilization	2				
1	2.	Halsted Feps 5 Cvd	2 2				
1	3.	Halsted Fcps 5 Str Crile Fcps 5-1/2 Cvd	2				
1	5.	Allis Tiss Fcps 6 4x5t	2				
1	6.	Allis Tiss Peps 6 4x5t Allis Tiss Feps 7-1/2 5x6t	2				
-	7.	Ochsner Fcps 6-1/4 Str	2				
1	8.	Ochsner Fcps 6-1/4 Cvd	2				
	9.	R-Pean Fcps 6-1/4 Cvd	2				
	10.	R-Pean Fcps 7-1/4 Cvd	2				
	11.	Satin R-Pean Fcps 9 Cvd	2				
-	12.	Ochsner Feps 6-1/4 Str	1				
-	13.	Petit-Point Mixter Fcps 7-1/4	2				
-	14.	Mixter Fcps 9	2				
-	15.	Adson Fcps 7-1/2 Cvd	2				
_	16.	Tube Fcps 7-1/4 W/Guard Duval Lung Forceps 7-3/4	2 2				
	17. 18.	Foerster Fcp 9-1/2 Str	3				
-	19.	Backhaus Fcps 5-1/4	i				
-	20.	Sternal Nh 7-3/4	i				
-	21.	Petit Ryder 8 Serr	I			12	
2	22.	Crile Wood Nh 10-1/4	1				
_	23.	Mayo Hegar Nh 6	1				
_	24.	Mayo Hegar Nh 8	1				
-	25.	Adson Tiss Fcps 4-3/4 1x2t	2				
	26.	Dressing Feps 6 serrated	2				
	27. 28.	Tissue Fcps 6 1x2t Tissue Fcps 8 1x2t	1				
	29.	Gerald Dress Fcps 7 str serr	2				
	3().	Debakey Vasc tiss Fcps 7-3/4	2				
	31.	Debakey Vasc Tiss Fcps 9-1/2	2				
3	32.	Derra Anast Clamp 6-1/2 Medium	1				
	33.	Harken Auricle Clamp 9-1/2 No 1	1				
	34.	Lambert Kay Aorta Clamp 8	1				
	5.	Glover Coarc Clamp 10-1/8 Ang	1				
	6.	Glover Patent Duct Clamp 8 Str	1				
	7.	Debakey Multi Clamp 60d 9-1/4 Debakey Multi Clamp 60d 9-1/2	1				
_	8. 9.	Satinsky Vena Cava Clamp Med	1				
	0.	Metz Scs 9 Cvd					
	1.	Super cut Metz Scs 9 Cvd Del	Ti-				
	2.	TC Metz Scs 7 Cvd					
4.		TC Metz Scs 7 Cvd Del	T i				
44	-	Mayo Scs 6 3/4 Cvd	1				
45		Mayo Scs 6 3/4 Str	1				
46		Potts-smith Scs 7 45d	1				
47		Utility Shears 7	1				
48		#3 Knife Handle	2				
49		#7 Knife Handle #31 Knife handle	1				
7.11		# ALK DITE DADGIE					

	ITEM DESCRIPTION		QTY	MODEL & BRAND	NO	DIFFERE
1	2. yankauer Suction tube					
-	3. Cooley sump suction tube	1				
	4. Wietlaner Retr 8 blunt				1.8	
5	5. Richardson-Eastman Retr set /2	1				
5	6. Green Thyroid Retr 8-1/2	2				
5	7. Cushing Vein Retr 9	2				
	Fino Rib Spreadder Medium 8	1				
-	Ankeney Sternal Retr Adult	1				
6		1				
6						
6.		1				
6.		6				
65						
66		1				
67		+				
68		1				
69		+ i -				
70		Ti-				
71		Til				
72		1				
- 01	R Equivalent					
	The Action Control of the Control of					
	ntry of Origin:					
USA	\/EU/Pakistan (Export Quality)					
MIC	CRO INSTRUMENT SET		1			
Cort	ifications					
-	<u>ification:</u> 9001, ISO 13485 & CE					
150	9001, 180 13483 & CE					
Con	figuration:					
S. N	lnstrument Name	Qty				
1.	Glover BullDog Clamp Cvd 5cm	1				
2.		1				
3.		1				
4.	Jacobson Bd Clamp 1-7/8 Str	1				
5.	Stardust Dnh 9/0 Cvd W/Catch	2				
6.	TC Micro Nh 7/0 Serrated, with Catch	2				
7.	TC Micro Nh 7/0 Serrated, with Catch, Ang	2				
8.	TC Micro Nh 4/0 Serrated, with Catch	2				
9.	Supercut Metzenbaum Scs 7Cvd	2				
10.		2				
11.		2				
12.		2				
13.		2				
14.		2				
15.		2				
17.		2				
18.	Rumel Obturator Adult	1				
19.	Freer D/E Elev 7-3/4 x 4.5mm	1				
20.	Krayenbuehl Dura Hook 71/4 Ang	1				
21.	Cooley Dilator 5-1/8 Set 6	i				
22.	Parsonnet Epicardial TRetr	i				
23.	Parsonnet Epicardial Retr. Mini 1" 25mm	T				
24.	Parsonnet Epicardial Retr. Mini 1-1/8" 28mm	1				
25.	Parsonnet Epicardial Retr. Mini 1-1/2" 38mm	1				
	CLIP APPLIER, SMALL, 25°, 200 mm, 8	1				
26.	Scalpel Handle Rnd 180mm	2				
		1				
26.	Sterilization Container	1				
26. 27.						
26. 27.	Sterilization Container • PRIMELINE 1/1 LID OCHER					
26. 27. 28.	Sterilization Container PRIMELINE 1/1 LID OCHER SILICONE CUSHIONING PAD					
26. 27. 28. OR	Sterilization Container • PRIMELINE 1/1 LID OCHER					

S. NO.		ITEM DESCRIPTION		QTY	MODEL & G	YES/ NO	ØIFFERENCE
27	LATE	EST BRANDED COMPUTER		2			
-		1 PRINTER					
	Specific - D C 8 1 D - D - K - O	ications esktop CPU ore i7 3.4 GHz (6th Generation) GB DDR3 RAM TB SATA Hard Drive VD RW isplay 24" LED ey Board & Mouse nline UPS R Equivalent					
	Malia						
	Make:	d (Desferable Dell / HD)					
		ed (Preferably Dell / HP)					
28	CORC	DNARY SET		1			
	Certifi	cation:					
		001, ISO 13485 & CE					
	C 13						
		uration:					
	S. No.		Qty				
		Glover BullDog Clamp Cvd 5cm					
1	2	Glover BullDog Clamp Cvd 6.5cm	!				
- 11	3	Diethrich Bd Clamp Str 20mm					
- 11	5	Jacobson Bd Clamp 1-7/8 Str Stardust Dnh 9/0 Cvd W/Catch	2				
- 11	6	TC Micro Nh 7/0 Serrated, with Catch	2				
- 11	7	TC Micro Nh 7/0 Serrated, with Catch, Ang	2		1		
1	8	TC Micro Nh 4/0 Serrated, with Catch	2		1		
11	9	Supercut Metzenbaum Scs 7Cvd	2				
11	10	TC Metz Scs 7 Cvd Del	2				
11	11	Jamison-Metzenbaum Ses 6 Cvd	2			10.1	
lt.	12	Jacobson Scs 7-1/4 Str	2	1			
	13	You-Potts Scs 7-1/4 45d	2				
	14	Diethrich C-Artery Scs 7 45d	2				
	15	Gerald stardust Forceps, Titanium, Straight Platfor	2	- 1			
	16	Debakey Thor Tiss Fcps 7-3/4	2				
	17	Dennis N+Micro Stardust Forceps. Round Handle, strai	2	- 1		0.1	
	18	Rumel Obturator Adult	1				
	19	Freer D/E Elev 7-3/4 x 4.5mm	1				
	20	Krayenbuehl Dura Hook 71/4 Ang				811	
- 11-	21	Cooley Dilator 5-1/8 Set 6					
1	22	Parsonnet Epicardial TRetr					
- 11-	23	Parsonnet Epicardial Retr. Mini 1" 25mm					
-	24	Parsonnet Epicardial Retr. Mini 1-1/8" 28mm		1			
1	25	Parsonnet Epicardial Retr, Mini 1-1/2" 38mm CLIP APPLIER, SMALL, 25°, 200 mm, 8					
-	27	Scalpel Handle Rnd 180mm	2				
11-	28	Sterilization Container	4.				
	2.0	PRIMELINE 1/1 LID OCHER					
		SILICONE CUSHIONING PAD					
-	OR E	quivalent					
-	OKE	quivalent					
		of Origin:					
U	SA/EU	J/Pakistan (Export Quality)					

Sign & Stamp	
Bidder Name	
Contact Person	
Contact No.	

[ŞAMPLE FORM]

<u>Bid</u>

Tender Enquiry No.		K	Date: _	
To Medical Superintendent Liaquat University Hosp Hyderabad / Jamshoro				
undersigned, offer to supp	oly and deliver the go	the receipt of which is bods specified in the said b ther sums as may be ascert his Bid.	idding documents for the	e sum of tota
We undertake, if our Bid i		er the goods in accordance	with the delivery schedu	le specified in
		rantee of a bank in a sum of		Contract Price
		0 days from the date fixed epted at any time before th		
		ted, this Bid, together with		e thereof and
We understand that you are	e not bound to accept	t the lowest or any bid you	may receive.	
Dated this	day of	20		
signature]	[in the c	capacity of		
Duly authorized to sign E	3id for and on beha	df of		
		d of the Bidder and should er. It should be enclosed t		
				Page 34 of 36

, Price Schedule Pak Rupee on DDP basis

S. No.	Item Description	Model	Brand	Qty	Unit Price DDP	Total Price DDP
1	Hypothermia Machine			1		
2	IABP with accessories			1		
3	Blood Gas Analyzer			1		
4	Digital Anesthesia Workstation			1		
5	Temporary Pacemaker with Dual Chamber & Leads			2		
6	Ventilator			6	1	
7	Thoracic Surgery Set			1		
8	Defibrillator with Internal Pedal (Paeds & Adult)			3		
9	Electric Sternal Saw			1_1_		
10	Redo Repeated Sternal Saw			1		
11	Diathermy Bipolar with accessories			1		
12	ECG Machine with 12 Leads			1		
13	Syringe Pump			20		
14	Infusion Pump			10		
15	Laparoscopic Tower / Thoracoscopic Tower			1		
16	Head Light with Battery			2		
17	Autoclave 600 Litre			1		
18	Blood Bank Refrigerator			1		
19	Microwave Oven			2		
20	Laryngoscope Set			3		
21	Isoflourane Vaporizer			3		
22	Crash Cart with Defibrillator			2		
23	Weight Machine			2		
24	Split Air Conditioner 2 Ton with Stabilizer & Installation			6		
25	Open Heart Instrument Set			ı		
26	Micro Instrument Set			1		
27	Latest Branded Computer with Printer			2		
28	Coronary Set			1		

Note:

- Unit price to be mentioned in both figures and words.
- In case of discrepancy between unit price and total, the unit price shall prevail.

Sign & Stamp	
Bidder Name	
Contact Person	
Contact No.	

; Price Schedule Foreign Currency on C&F basis

S. No.	Item Description	Model	Brand	Qty	Unit Price C&F	Total Price C&F
I	Hypothermia Machine			1		
2	IABP with accessories			1		
3	Blood Gas Analyzer			1		
4	Digital Anesthesia Workstation			1		
5	Temporary Pacemaker with Dual Chamber & Leads			2		
6	Ventilator			6		
7	Thoracic Surgery Set			1		
8	Defibrillator with Internal Pedal (Paeds & Adult)			3		
9	Electric Sternal Saw			1		
10	Redo Repeated Sternal Saw			1		
11	Diathermy Bipolar with accessories			1		
12	ECG Machine with 12 Leads			1		
13	Syringe Pump			20		
14	Infusion Pump			10		
15	Laparoscopic Tower / Thoracoscopic Tower			1		
16	Head Light with Battery			2		
17	Autoclave 600 Litre			1		
18	Blood Bank Refrigerator			1		
19	Microwave Oven			2		
20	Laryngoscope Sct			3		
21	Isoflourane Vaporizer			3		
22	Crash Cart with Defibrillator			2		
23	Weight Machine			2		
24	Split Air Conditioner 2 Ton with Stabilizer & Installation			6		
25	Open Heart Instrument Set			1		
26	Micro Instrument Set			1		
	Latest Branded Computer with Printer			2		
28	Coronary Set			1		

- Unit price to be mentioned in both figures and words.
- . In case of discrepancy between unit price and total, the unit price shall prevail.

Sign & Stamp	
Bidder Name	
Contact Person	
Contact No.	