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Your Right to Know

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**OFFICE OF THE MEDICAL SUPERINTENDENT
GULAM MUHAMMAD MAHAR MEDICAL COLLEGE
TEACHING HOSPITAL SUKKUR**

PHONE NO: 071-9310213
FAX NO: 071-9310119

NO: MS/GMCTH/SUK/-2687/90

Dated: 14/02/2026

NOTICE INVITING TENDER

Medical Superintendent, GMMMC Hospital Sukkur invites e-bids through E-Pak Acquisition and Disposable System (EPADS) from Suppliers/firms / Manufacturers / Importers / Authorized Distributors on Active Taxpayers List of the FBR/SRB (whichever is applicable) for the supply of Medical Equipment's, Machinery/Instruments/Furniture & Fixtures under ADP Scheme No. 912 for Establishment of Orthopaedic Department at GMMMC Hospital Sukkur for the financial year 2025-26 & 2026-27 under Rule-46(2) Single Stage-Two Envelopes Procedure. Bidding documents containing detailed Terms & Conditions, can be viewed / downloaded from <https://portalsindh.eprocure.gov.pk/#/>

Electronic Bids should be submitted through EPADS ONLY, Manual bid shall not be received. Interested Bidders are required to register themselves on EPAD System at the link: <https://sindh.eprocure.gov.pk/#/supplier/registration> for submission of electronic-bids.

The Bids, prepared in accordance with the instructions in the bidding documents, must be submitted on EPADS by 05-03-2026 at 10:00 A.M. The original instrument of tender fee amounting to Rs.2,000/- and original instrument of fixed bid security as required in bidding document for each quoted item must reach to the procuring agency up-to the deadline. Bids will be opened on the same day at 11:00 A.M. at the address @ Board Room, 5th Floor, Jinnah Sindh Medical University (JSMU), Karachi

N.B:-

- Any query for e-bidding may contact at Medical Superintendent, GMMM Hospital Sukkur at contact No. 0333-7115321.
- In case Govt. announces any Public Holiday or any unfavorable circumstances, the tender / bids will be submitted and opened on next working day, with same Venue and Time.
- The Purchaser reserves the right to reject any/all bids under the relevant provisions of SPP Rules 2010.

In case of any difficulty prospective bidders may contact EPADS Helpline 051-111-137-237 during working days/hours.

**MEDICAL SUPERINTENDENT,
GHULAM MUHAMMAD MAHAR MEDICAL
COLLEGE HOSPITAL SUKKUR**

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

PHONE NO: 071-9310213
FAX NO: 071-9310119

NO: MS/GMCTH/SUK 158/63

Dated: 25-02-2026

CORRIGENDUM

It is brought into notice of all the concerned that with the reference to NIT NO: MS/GMCTH/ SUK/ 2687 / 90 Dated: 14-02-2026, which has been published in various newspapers i.e. Daily Jang INF/KRY No: 0591/26, was scheduled to be opened on 05-03-2026 at 11:00 am is hereby rescheduled as Monday 16-03-2025 at 11:00 am and 11:00 am due to due to not hoisting on EPADS resulting short response time, internet issues and following. All the other terms, conditions and venue are same.

**MEDICAL SUPERINTENDENT
GMMMC HOSPITAL SUKKUR**

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GOVERNMENT OF SINDH HEALTH DEPARTMENT

NOTIFICATION

No.SO(PM&I)2-1/2022-23(Main)/PC: In supersession of this Department's Notification of even number dated: 20.07.2022, 18.10.2023, 03.11.2023 & 04.01.2024 and with the approval of Hon'ble Chief Minister Sindh vide CMIT Summary, the Health Department's Procurement Committee (PC) for procurement of Drug/Medicines, Surgical/Disposable items, X-Ray Films / Chemicals, Machinery Equipments, Furniture / Fixture (etc.) is hereby re-notified as under:

1.	Professor Dr. Amjad Siraj Memon, Vice Chancellor, Jinnah Sindh Medical University (JSMU), Karachi.	Chairman
2.	Vice Chancellor, Liaquat University Medical & Health Sciences (LUMHS), Jamshoro.	Member
3.	Vice Chancellor, Peoples University of Medical & Health Sciences for Women, Nawabshah-Shaheed Benazirabad.	Member
4.	Vice Chancellor, Shaheed Mohtarma Benazir Bhutto Medical University Larkana.	Member
5.	Prof. Dr. Sajida Qureshi, Professor of Surgery, DUHS / Dr. Ruth K.M. Pfau CHK.	Member
6.	Chairman, Health Care Commission Sindh.	Member
7.	Special Secretary, Chief Minister's Inspection, Enquiries & Implementation Team Department, Govt. of Sindh.	Member
8.	Additional Secretary (GA), SGA&CD, Govt. of Sindh.	Member
9.	Additional Secretary (PM&I), Health Department, Govt. of Sindh.	Member / Secretary

TOR's:

- Preparing and /or reviewing 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.
- Monitoring of the procured medicines with regard to their quality and genuiness.
- The Committee shall be authorised to have vigilance on distribution of the supply to different Hospitals including all health facilities.
- The Committee would be empowered to Co-opt. Expert(s) incase the committee desires any assistance in any specific/relevant fields.
- The committee shall have all the powers to procure the medical/surgical equipments, machines and furniture or any other item to be installed and / or fixed within the Hospital in Sindh province at any level whether Tertiary, District & Taluka Hospitals.
- The powers of the Procurement Committee would extend to all the projects under the Health Department for procurement of medicines, furniture, instruments & machines etc.
- Perform any other function ancillary and incidental to the above;

SECRETARY HEALTH

Karachi, dated: 29th January 2024

No. SO(PM&I)2-1/2022-23(Main)/PC:

C.C. to:

- The Chairman and all Members of the Committee.
- The Accountant General Sindh, Karachi.
- The Managing Director, Sindh Public Procurement Regulatory Authority, Karachi.
- The PS to Chairman, CMIE&ITD Karachi.
- The PS to Chairman, Health Care Commission Sindh.
- The PS to Special Secretary, CMIE&ITD, Karachi.
- The Deputy Secretary (Staff) to Chief Minister Sindh / Chief Secretary Sindh.
- The PS to Minister Health, Social Welfare and Public Health Engineering Dept. Sindh, Karachi.
- The PS to Secretary Health, Govt. of Sindh, Karachi.
- The PS to Addl. Secretary (PM&I), Health.




(ZULFIQAR ALI DARS)
SECTION OFFICER (PM&I)



NOTIFICATION

No. SO(PM&I)2-1/2022-23/PC(TEC-III): In supersession to this department's notification of even number dated: 13.10.2023, on recommendation of Health Procurement Committee (HPC) and with the approval of worthy Secretary Health, the Experts Committee for Machinery / Equipment / Lab. Equipment / Furniture & Fixture etc. is hereby re-constituted with the following composition and ToRs:

i.	Dr. Shahid Pervez, Histopathologist, Aga Khan University Hospital Kyc.	Chairman
ii.	Dr. Benish Sultan, Associate Professor & Head of Pathology Lab, JSMU, Karachi.	Member
iii.	Prof. Dr. Tariq Mehmood, Representative of PAF, JPMC, Karachi.	Member
iv.	Dr. Syed Farjad Sultan, Associate Professor, Anaesthesia Department, DUHS / Civil Hospital Karachi.	Member
v.	Prof. Dr. Sajida Qureshi, Professor of Surgery, DUHS / Dr. Ruth K.M. Pfau Civil Hospital Karachi.	Member
vi.	Prof. Dr. Syed Mahmood Hassan, Professor of Pathology, JSMU, Karachi.	Member
vii.	Dr. Shoaib Malik, Associate Professor, Anesthesia Department, JPMC Karachi.	Member

TORs:

- To revisit and approve proposed specifications of Machinery / Equipment etc. prepared by the Technical Committee.
- To approve bidding documents prepared by Technical Committee along-with verification / certification of technical evaluation reports finalized by Technical Committee.
- The committee will also check the samples as per given specification in the tender document (wherever applicable).
- To submit final recommendation to the Procurement Committee within seven (07) days for approval.

SECRETARY HEALTH

No. SO(PM&I)2-1/2022-23/PC(TEC-III):

Karachi, dated the 18th February 2025

A copy is forwarded for information & necessary action to:-

- The Chairman, Health Procurement Committee / VC, JSMU, Karachi.
- The Chairman and all members of the Experts Committee.
- PS to Minister Health, Social Welfare and Public Health Engineering Dept. Sindh, Karachi.
- PS to Secretary Health.



(ZULFIQAR ALI DARS)
SECTION OFFICER (PM&I)



NOTIFICATION

No. SO(PM&I)2-1/2022-23/PC(TEC-II): In supersession to this Department's Notification of even number dated: 15.08.2022, on the recommendation of the Chairman, Health Department's Procurement Committee, Technical Experts Committee for Machinery / Equipment is hereby re-constituted comprising on following, to assist the Health Procurement Committee for preparation of bidding documents and evaluation of tender of companies / bidders for purchase of Machinery / Equipment / Furniture etc. for the year 2022-23:

a.	Mr.S.Zamir Hussain Shah,Bio Medical Engineer,Dr.Ruth K.M.Pfau Civil Hosp. Kar.
b.	Mr. Abdul Majid, Electrical Engineer, NICH, Karachi.
c.	Mr. Qazi Muhammad Amir, Bio-medical Technician, Elector-medical Workshop.
d.	Mr. Sunny Mohiuddin, Dy. Director (Procurement),Directorate of Pharmacy,Sindh, Kar.
e.	Mr. Rajeev, Pharmacist, Dr. Ruth K.M. Pfau Civil Hospital Karachi.

ToRs:

- To prepare bidding documents, Specifications and Evaluation Criteria.
- To review existing formulary list and segregate into seven (07) Therapeutic Groups and submit to technical experts / leading professors of respective therapeutic groups for approval.
- To carry out scrutiny of submitted bidding documents.
- To prepare Bid Qualification Report (BQR), Bid Evaluation Report (BER) and submit to respective therapeutic groups experts for review and approval.
- To prepare financial comparative statement and final Bid Evaluation Report (BER) and get endorsement from respective experts of therapeutic groups before final approval by Health Department Procurement Committee.
- To submit scrutinized working to Experts Committee constituted for Machinery / Equipment / Furniture / Fixture & Lab Equipment etc.

SECRETARY HEALTH

No. SO(PM&I)2-1/2022-23/PC(TEC-II):

Karachi, dated the 01st February 2023

A copy is forwarded for information & necessary action to:-

1. The Chairman, Health Procurement Committee / VC, JSMU, Karachi.
2. The Executive Director, NICH, Karachi.
3. The Medical Superintendent, Dr. Ruth K.M.Pfau Civil Hospital Karachi.
4. All members of the Technical Experts Committee (Machinery / Equipment).
5. The P.S. to Secretary Health.




(ZULFIQAR ALI DARS)
SECTION OFFICER (PM&I)



**GOVERNMENT OF SINDH
HEALTH DEPARTMENT**

NOTIFICATION

No.SO(PM&I)2-1/2013/CRC): In supersession of this department's notification of even number dated: 09.01.2023 and in pursuance of Rule-31 of Sindh Public Procurement Rules 2010, Health Department, Govt. of Sindh is pleased to re-constitute Complaint Redressal Committee (CRC) comprising of following officers for scrutinizing the complaints of aggrieved bidders against tender invited by the Health Procurement Committee, Health Department under Frame Work Contract System and Health Institutions/Hospitals of Sindh Province :-

1)	Secretary Health, Govt. of Sindh	Chairman
2)	Representative of Accountant General Sindh, Karachi.	Member
3)	Independent professional from the relevant field.	Member

ToR's:

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

SECRETARY HEALTH

No.SO(PM&I)2-1/2013/CRC):

Karachi, dated, the 10th July, 2024

Copy forwarded for information and necessary action to :

- The Chairman and all members of Health Procurement Committee.
- The Accountant General Sindh, Karachi.
- The Managing Director, Sindh Public Procurement Regulatory Authority Karachi.
- The Medical Superintendents (All).
- The District Health Officers (All).
- The Directors Health Institutions / Projects (All).
- The Chairman and all members of Complaint Redressal Committee.
- PS to Minister Health & Population Welfare Deptt., Govt. of Sindh, Karachi.
- PS to Secretary Health Govt. of Sindh, Karachi.
- PS to Additional Secretary (PM&I), Health Department, Govt. of Sindh, Karachi.




(ZULFIQAR ALI DARS)
SECTION OFFICER (PM&I)



PHONE NO: 071-9310213
FAX NO: 071-9310119

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

NO: MS/GMCTH/SUK/ 3358 Dated: 28 / 02 / 2026

ANNUAL PROCUREMENT PLAN (WORKS, GOODS, SERVICES) FOR FINANCIAL YEAR 2025-26

S.#	DESCRIPTION OF PROCUREMENT	QUANTITY (WHERE APPLICABLE)	ESTIMATED UNIT COST (WHERE APPLICABLE) MILLION	FUNDS ALLOCATED (MILLION)	SOURCES OF FUNDS (ADPS NON-ADPS)	PROPOSED PROCUREMENT METHOD	TIMING OF PROCUREMENTS				REMARKS
							1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	
01	Purchase of Plant & Machinery & Equipment and Furniture and Fixture.	Mentioned in the Tender Form	N/A	205.171 (M)	ADP # 912	SPPRA Rules 2010 Clause 46(2)S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>


(DR. AHMED MUJTABA MEMON)
MEDICAL SUPERINTENDENT
GMMMC HOSPITAL SUKKUR

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



STANDARD BIDDING DOCUMENT

PROCUREMENT OF MEDICAL EQUIPMENT, MACHINERY, MEDICAL DEVICES, INSTRUMENTS,
FURNITURE/FIXTURE AND OTHER ITEMS FOR FOLLOWING ADP SCHEMES

S#	ADP No#	NAME OF SCHEME
1	912	ESTABLISHMENT OF ORTHOPAEDIC DEPARTMENT AT GHULAM MUHAMMAD MAHAR MEDICAL COLLEGE HOSPITAL, SUKKUR.

FINANCIAL YEAR 2025-26 & 2026-27

Due on: - - 2025 at 11:00 AM @ Fatima Engineer Auditorium of Jinnah Sindh Medical University (JSMU), Karachi before the Chairman Central Procurement Committee.

(Single Stage – Two Envelope Procedure)

(“Most Advantageous Bid”)

Amir

Medical Superintendent
Sukkur

SECTIONS OF THE TENDER

TENDER TITLE

SECTION A

SUPPLY, INSTALLATION OF MEDICAL MACHINERY/EQUIPMENTS

SECTION B

SUPPLY, OF HOSPITAL & GENERAL FURNITURE, FIXTURE ITEMS

SECTION C

**MEDICAL INSTRUMENTS & DEVICES, IT EQUIPMENTS AND
MISCELLANEOUS ITEMS**

Amjad

Medical Superintendent
GM/AMC/Hospital SSG

Prepared/Reviewed by following members of Technical Committee (Machinery Equipment and Furniture etc):

- a. S. Zamir Hussain Shah, Bio Medical Engineer, Dr. Ruth K.M.Pfau Civil Hosp. Kar. _____
- b. Majid Ali, Senior Equipment Engineer, NICH, KARACHI. _____
- c. Qazi Muhammad Amir, Bio-medical Technician, Elector-medical Workshop. _____
- d. Sunny Mohiuddin, Dy. Director (Procurement), Directorate of Pharmacy, Sindh, Kar. _____
- e. Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____

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Medical Superintendent
GMMMC Hospital Sukkur

Prepared/Reviewed by following members of Technical Committee (Machinery Equipment / Furniture etc):

- a. S. Zamir Hussain Shah, Bio Medical Engineer, Dr. Ruth K.M. Pfau Civil Hosp. Kar. _____
- b. Majid Ali, Senior Equipment Engineer, NICH, KARACHI. _____
- c. Qazi Muhammad Amir, Bio-medical Technician, Elector-medical Workshop. _____
- d. Sunny Mohiuddin, Dy. Director (Procurement), Directorate of Pharmacy, Sindh, Kar. _____
- e. Rajeevv Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____

SALIENT FEATURES OF THE TENDER

1.	Name of Work & Address	PURCHASE OF MEDICAL EQUIPMENT, MACHINERY, MEDICAL DEVICES, INSTRUMENTS, FURNITURE/FIXTURE AND OTHER ITEMS Office of the Medical Superintendent GMMMC Hospital Sukkur.
2.	Time & Date of issue of Tenders	From the date of publishing to one day before opening of Technical Proposal, during office hours. It should be (As mentioned in Notice inviting tender).
3.	Place of Issuance of Tender	Office of the Medical Superintendent GMMMC Hospital Sukkur..
4.	Date of pre-bid meeting	In case requested by bidders or informed by Procuring Agency. Mentioned pre-bid meeting date if any application received considered for discuss same mentioned date
5.	Method of opening of Tender	Single Stage – Two Envelopes; as per SPPRA-Rules 2010 (Amended up-to-date) on online EPAD system.
6.	Date & Time of Submission of Tenders	As published in newspapers It should be (As mentioned in Notice inviting tender).
7.	Date & Time of Opening of Tenders / Technical Proposals	As published in newspapers/ on EPAD system It should be (As mentioned in Notice inviting tender).
8.	Date of Opening of Financial Proposals	As informed by the Chairman of Procurement Committee to all participants
9.	Venue of submission & opening of Tenders	Vice Chancellor, Jinnah Sindh Medical University (JSMU), Karachi.
10.	Validity of Tenders	90 days as per Sindh Public Procurement Rules, 2010 (Amended till date).
11.	Amount of Earnest Money/Bid Security	Fixed Bid Security on each Quoted Item amount in shape of Pay Order / Call Deposit from schedule Bank in favor of Medical Superintendent GMMMC Hospital Sukkur.. to be submitted along with Financial Proposal and also attached photo copy without showing amount of that pay order else the offer will be rejected.
12.	Supply of Equipment	Within up to 16 weeks after the Purchase order in case of DDP. However, this period is extendable as per mutual agreement/demand of the situation.
13.	Installation Period	It will start after receiving of equipment at site. It will start after satisfactory installation of equipment at site.
14.	Maintenance Period	It will start after the satisfactory installation of the equipment and issuance of Installation Certificate from the concerned official. This period will remain functional till three years with replacement of parts.
15.	Warranty Period with replacement of Parts and services	As mentioned in technical specification of the equipment, otherwise the warranty period of parts with Free of cost replacement will be for three years.
		Along with three years free service & maintenance from the date of Installation.

Prepared/Reviewed by following members of Technical Committee (Machinery Equipment / Furniture etc):

- S. Zamir Hussain Shah, Bio Medical Engineer, Dr. Ruth K.M.Pfau Civil Hosp. Kar. _____
- Majid Ali, Senior Equipment Engineer, NICH, KARACHI. _____
- Qazi Muhammad Amir, Bio-medical Technician, Elector-medical Workshop. _____
- Sunny Mohiuddin, Dy. Director (Procurement), Directorate of Pharmacy, Sindh, Kar. _____
- Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____

[Signature]

Medical Superintendent
GMMMC Hospital Sukkur

16.	(a) Contract Agreement Stamp Paper requirement for Agreement	The Contractor shall enter & execute a formal Agreement as per the "Form" annexed with such modification as may be necessary. - Rs. 0.35% of the Contract Value or as prescribed by Government Laws.
	Opening of L.C (Letter of Credit	Letter of Credit (L.C.) will be opened by Procuring Agency as consignee and as per the prevailing rule of same. Performa invoice of the quoted amount on C&F basis of the country of origin along with insurance cover note if applicable will also be submitted by the contractor(s). Bank charges in establishment of Letter of Credit (L.C.) fluctuation in currency if any and other miscellaneous charges on logistics, transportation clearing from sea port/ airport will also be paid/bear by the contractor(s).
17.	Release of Earnest Money/Bid Security	To un-successful bidders, after financial bid is opened or technical bid is rejected. Earnest Money will be released to successful Bidder after purchase order is released but after 5% Security Deposit submission.
18.	Security Deposit	5% Security Deposit in the shape Pay Order/Bank Guaranty will be submitted by Contractor with Procuring Agency which will be released as per item 20. Bank Guarantee of equal amount will also be acceptable. Security Deposit is deposited as per item – 19.
19.	Release of Security Deposit	After completion of installation and maintenance of Defect Liability period.
20.	Variation in Contract Price	No variation in price shall be allowed on any ground including currency fluctuation/variation or whatsoever.
21.	Discrepancy	If there is any discrepancy between Salient Features of Tender /Bidding Documents and respective contents mentioned elsewhere, Salient Features / Terms & Conditions and Additional Terms & Conditions of Tender will govern.
22.	Taxes	All taxes will be deducted as per prevalent laws of Country.
23.	Approved makes	As mentioned in items specifications.
24.	Special Note Regarding Equipment	Technical offers / Commercial offers failing to demonstrate below details would be rejected: a. Quoted system must be of advanced & latest version.

Prepared/Reviewed by following members of Technical Committee (Machinery Equipment / Furniture etc):

- S. Zamir Hussain Shah, Bio Medical Engineer, Dr. Ruth K.M. Pfau Civil Hosp. Kar. _____
- Majid Ali, Senior Equipment Engineer, NICH, KARACHI. _____
- Qazi Muhammad Amir, Bio-medical Technician, Elector-medical Workshop. _____
- Sunny Mohiuddin, Dy. Director (Procurement), Directorate of Pharmacy, Sindh, Kar. _____
- Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____


Medical Superintendent
 S.M.M.C. Sukkur

		<p>b. Tender must cover complete equipment.</p> <p>c. Tender must cover complete range of disposables/ kits</p> <p>d. Tender must provide all technical details up to the satisfaction of the end user.</p> <p>Items should be quality approved from the concerned international body of the respective industry.</p>
25.	(a) Inspection of Imported equipment manufacturing site by the client.	After the award of Purchase Order, Supplier shall take two persons to the manufacturing site and bear all expenses of visit in case the cost any equipment of Supply Order is 50 million or above.
	(b) Training	Supplier will provide on-site successful training to all the personnel working on/operating the said Equipment / Machine as long as the need prevail.
26.	Maintenance.	Maintenance cost for all items for Two years from the date of successful Installation shall be undertaken by the Contractor (Maintenance includes all Parts & Labor, etc. with sufficient staff, during maintenance period).
27.	Default in Preventive Maintenance, Breakdown and Emergency Calls.	<ul style="list-style-type: none"> • In case of default by the Contractor with respect to maintenance, break down and emergency calls, the same will be carried out within 24 hours by the Procuring Agency and the cost so incurred will be paid from the Retention Money. • Moreover an additional 10% of the amount spent would be charged from the concerned contractor being defaulter.
28.	Cost to be quoted in BOQ.	<ul style="list-style-type: none"> • The Contractors shall quote price in DDP only, of the Equipment's including custom clearance etc. and delivering of Equipment at site with Installation & Commissioning cost. • It should also include cost during maintenance period including the parts and maintenance staff.
29.	Tax Exemption.	In case of purchase on C&F basis, the required certificate will be issued by this office that the import has been made for this hospital, so as to avail the facility of exemption of duties/taxes, as per Government Rules/Policy according to the Sindh Public Procurement Rules, 2010 (Amended till date). Clearance from the custom and other charges will be the responsibility of bidder.

Prepared/Reviewed by following members of Technical Committee (Machinery Equipment / Furniture etc):

- S. Zamir Hussain Shah, Bio Medical Engineer, Dr. Ruth K.M. Pfau Civil Hosp. Kar. _____
- Majid Ali, Senior Equipment Engineer, NICH, KARACHI. _____
- Qazi Muhammad Amir, Bio-medical Technician, Elector-medical Workshop. _____
- Sunny Mohiuddin, Dy. Director (Procurement), Directorate of Pharmacy, Sindh, Kar. _____
- Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____

August

30.	Criteria for bid evaluation.	Merit Point Evaluation (Most Advantageous Bid) The items ranked highest in merit points (obtained through and based on technical and financial evaluation) shall be considered as most advantageous bid.
31.	Award of Contract	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 Most Advantageous Bid , provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.

Signature

**Medical Superintendent
GMMMC Hospital Sukkur**

Prepared/Reviewed by following members of Technical Committee (Machinery Equipment / Furniture etc):

- a. S. Zamir Hussain Shah, Bio Medical Engineer, Dr. Ruth K.M. Pfau Civil Hosp. Kar. _____
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- e. Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____

TERMS & CONDITIONS OF TENDER

1. The Contractors responsible for **Supply, Installation, Testing and Commissioning of Medical Equipment, Machinery items , Instruments & Furniture & Fixture** while Installing Equipment at no extra-cost. So, the Contractors should take into account all such expenditures while quoting the bid.
2. **In Technical Bid**, the bidder must provide original data sheet, technical brochure, and all other relevant documents, along with copy of Pay Order / Bank Draft / Bank Guarantee without showing the amount figure otherwise, the bid will be ignored/rejected. The technical evaluation will be done on the basis of criteria given in tender document.
3. The vendor has to fill up **compliance sheet** with YES/NO or put value as desired in the column against provided specification. These specifications must be highlighted in the brochure attached; else the offer will be rejected.
4. **In Financial Bid**, the vendor should mention financial offer along with scanned copy of Pay Order / Bank Draft / Bank Guarantee Fixed Bid Security on each Quoted Item amount in favor of, **Medical Superintendent GMMMC Hospital Sukkur., Bid Security (in Original) must be submitted in sealed envelope to the procuring Agency before opening of tender.**
5. The Supply order shall be placed on DDP basis the bidder should supply the items within time as specified in Tender Document i.e. 16 weeks. This period is extendable as per mutual agreement/demand of situation.
6. The disclosure of firm's price at the time of opening of Technical bid will result in the rejection of the bid.
7. No tender will be entertained without earnest money. The earnest money will be forfeited to Government Treasury, in case of non-submission of security money within **seven (7) days** of receipt of the offer letter.
8. Only Manufacturer, its Sole Agent or Authorized Distributors can quote Device, Equipment / Machinery. No sub-distributor is allowed to quote.
9. **For Single Stage Two Envelope Sections of the tender**, first scrutiny of Technical Bids will be performed by the Procurement Committee. Financial Bids of only those firms will be opened who are qualified technically.
10. Certificate from the Sole Agent/Manufacturer has fully equipped Workshop Trained Personnel/ Engineers and Equipment should be provided in the technical bid, and it can be physically verified by the administration of **Medical Superintendent GMMMC Hospital Sukkur..**The warranty period will commence from the date of installation of the Equipment at **Office of the Medical Superintendent GMMMC Hospital Sukkur..**
11. Firm must provide complete details of their financial standing, listing of similar items supplied in Pakistan, available local stock of items and details of office with number of personals.
12. The vendor has to quote only one rate for each item as per tender specifications. Hand written tenders or any over writing, cutting, should be signed.
13. Vendors should quote the items they intend to supply.
14. The bidder shall submit with the bid, an **Undertaking** on Non-Judicial stamp paper of Rs.50/- duly attested by Oath Commissioner, stating that the medical equipment will be supplied brand new, free from defects as per the approved specification, also provide two years warranty for service and maintenance and will bind himself for availability of spares for a period of **10 years** from the date of supply. In case of winding up of his business, the supplier will be bound to make an alternate arrangement of spares and maintenance of medical equipment. In case of default, depreciated cost of medical equipment will be recoverable from vendor.

Prepared/Reviewed by following members of Technical Committee (Machinery Equipment / Furniture etc):

- a. **S. Zamir Hussain Shah, Bio Medical Engineer, Dr. Ruth K.M.Pfau Civil Hosp. Kar.** _____
- b. **Majid Ali, Senior Equipment Engineer, NICH, KARACHI.** _____
- c. **Qazi Muhammad Amir, Bio-medical Technician, Elector-medical Workshop.** _____
- d. **Sunny Mohiuddin, Dy. Director (Procurement), Directorate of Pharmacy, Sindh, Kar.** _____
- e. **Rajeevv Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi.** _____


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**Medical Superintendent
GMMMC Hospital Sukkur**

It has been found that the information submitted by the bidder regarding his qualification and professional, technical, financial, legal or managerial competence as supplier / contractor is / was false and materially inaccurate or incomplete at any stage, then the bidder will be disqualified.

16. Suppliers / Contractors will be responsible for supply at consignee end, free of cost and also responsible for free installation work, if required.
17. Equipment will be handed over to the Store Keeper will be handed over to Store Keeper **Office of the Medical Superintendent GMMMC Hospital Sukkur..** (Price escalation will not be allowed.)
18. If vendor doesn't supply medical equipment in accordance with the supply order or fails to supply according to terms and conditions or in case of any other default, the Performance Security and Security Deposit would be forfeited and further action as per SPPRA rule would be taken against such vendor.
19. If the supplier fails to give supply and install within the stipulated period, Liquidated charges will be imposed.
20. The decision once taken will be final and will not be challenged in any Court of Law.
21. A copy of Income Tax and GST Registration Certificate should be attached along with Technical Bid.
22. The bidding firm must be registered with PNRA department for minimum past three years (for Radiology items).
23. The bidder shall furnish copy of ATL (Active Tax Payer List certificate).
24. Copy of valid Professional Tax (Excise & Taxation) Certificate, Income Tax Certificate and GST Registration Certificate should be attached with the technical bid.
25. The bidder shall furnish three years Income Tax Return Certificate.
26. Conditional Tender(s) against the Government rules and non-compliance of instructions mentioned in Tender Form & Hand written tender(s) will not be entertained.
27. The vendor should submit a **Data Sheet** according to the Tender Specifications Form as mentioned in the tender and highlight the tender specifications in their Technical Data Sheet. Additional Features can be mentioned separately.
28. In case the information provided by bidder in Data Sheet as per **Clause No. 30** is incomplete or incorrect, the quoted item will be liable for rejection.
29. Supplier must have to provide Manual book with circuit diagram where applicable.
30. Supplier must have to arrange training on site for concerned technical staff for the supply of Equipment
31. Procurement Committee,, **Office of the Medical Superintendent GMMMC Hospital Sukkur..**
32. the right to reject or accept any / all tender(s) as per SPPR-2010 (Amended 2019).
33. The system will have the minimum uptime 95% in case of down time beyond this period the following penalty will be applied:
 - a) 95% to 100% No penalty.
 - b) 90%to95%the warranty period will be extended by the number of days system in down.
 - c) 85% to 90% warranty period will be extended 1.5 time the down time period

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- e. Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____

Signature

80% to 85% warranty period will be extended two time for the down time period and supplier is supposed to give justification of delay.

- e) Uptime less than 80% hospital will complain to the Principal to take action against the supplier and warrant' will be the three time for the down time period.
- f) However, PPM (Periodic Preventive Maintenance) will not be considered in the downtime and PPM of the system will be done as per manufacturer recommendation.
34. Payment of DDP basis, the vendor shall submit Bill/Invoice for the purchase order value after delivery, installation and issuance of satisfactory report by the end user.
35. Bids shall remain valid for **90 days** after the date of bid opening and same may be extended in terms of Rule 38 (2) (3) (4) of SPPRA Rules.
36. Bid should be inclusive of all Government taxes (if applicable) and the same will be paid by the Contractor except withholding tax and 0.35% Stamp Duty which will be deducted at source in office of the Accountant General Sindh Karachi.
37. The bid security will be forfeited to the Government, if the bidder withdraws his bid after opening and before the expiry of the bid validity period or fails to sign the contract in stipulated time if the bid is accepted.
38. The Procuring Agency may reject all or any bid at any time prior to the acceptance of a bid or proposals, subject to the relevant provision of SPP Rules, 2010 (Amended 2019 up-to-date). Payment will be made within four weeks after receipt of bill / invoice duly fills in all respects.
39. Prices quoted shall remain valid up to 90 Days.
40. Registration from Sindh Revenue Board is not required in procurement of Goods.

I / We agree to above mentioned terms & conditions:

Name of Contractor _____ Signature _____

(CNIC NO _____ (Copy must be attached).)

Full Address _____

Rubber Stamp _____

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Medical Superintendent
GMMMC Hospital Sukkur

SECTION A

Supply, Installation, Testing and Commissioning of Medical Equipment and Machinery Items

DOCUMENT CHECKLIST

Please review the following list of all documents to be enclosed with the Technical Proposal. These are the "**MANDATORY DOCUMENTS**" non-submission of any one of the mandatory documents will lead to disqualification and no further assessment of tender will not be done hence "**TECHNICALLY REJECTED**"

S.NO	DOCUMENT DESCRIPTION	YES / NO	PAGE #
1	Tender Purchase Receipt (Original) (Mandatory)		
2	Bid Security (Copy with value hidden in Technical Proposal; Original in Financial)		
3	Bidding Documents (Duly filled, Signed & Stamped by Bidder)		
4	Technical Proposal on Bidder's Letterhead		
5	Compliance sheet on letter head (Mandatory)		
6	Undertaking (as per sample form)		
7	Certificate (as per sample form)		
8	Income Tax & GST Registration Certificate		
9	Professional Tax Certificate (Sindh)		
10	SECP Incorporation Certificate (where applicable)		
11	PNRA Registration Certificate (where applicable)		
12	PEC Registration of Firm & Qualified Engineer's Certificate (where applicable) (Mandatory for Service works)		
13	DRAP Establishment license showing Importer/Manufacturer of medical devices.		
14	DRAP Product Establishment /Registration		
15	Company Profile		
16	Bank Account Maintenance Certificate		
17	Income Tax Returns (last 3 years)		
18	Audited Financial Statement (last 3 year)		
19	Workshop for After Sales Services (Mandatory)		
20	Technical Team Details (Workshop details & Technical Staff Bio data with Training Certificates)		
21	Manufacturer's Authorization for the sole distribution in Pakistan (Attested by the Embassy)		
22	Catalogue / Brochures (original)		
23	Product Technical Data Sheet		
24	ISO 9001 of bidder (where applicable) (website link must be provided for verification)		
25	ISO 13485 of Manufacturer (where applicable)(website link must be provided for verification)		
	CE/ FDA510(K) / JIS / MHLW (where applicable)(website link must be provided for verification)		

Prepared/Reviewed by following members of Technical Committee (Machinery Equipment / Furniture etc):

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- e. Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____

Note:

- Mandatory documents are mentioned.
- 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 Name:	
Mobile No.	
Email Address:	

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Medical Superintendent
GMMMC Hospital Sukkur

SECTION A

Supply, Installation, Testing and Commissioning of Medical Equipment and Machinery Items

Note:

EVALUATION CRITERIA

Financial proposal must be submitted on company letter head duly signed and stamped. Bidder is required to type their offer in figure and as well as in words of the total amount; else the offer would be rejected.

EVALUATION/QUALIFICATION

1. The procuring agency reserves the right to evaluate and compare the bids on itemized basis OR on basis of a group of similar nature goods OR goods compatible with each other.
2. The following merit point system for weighing evaluation factors/criteria will be applied for technical proposals.
3. Bidders achieving minimum 70% marks will be considered as qualified beside compliant of all mandatory clauses. Documentary evidence must be attached in support of each parameter.
4. Any Bid not meeting the mandatory requirements of evaluation criteria will be disqualified /rejected straight away and will not be considered for further evaluation.
5. Provide website link of product certification for online verification.

A. PRODUCT EVALUATION

S#	PARAMETERS/SUB-PARAMETERS	Total Marks
1	Conformity to the Purchaser's Specifications (Mandatory)	30
1.1	Fully compliant with the required specifications	30
1.2	Compliant with minor deviation (up to 5% subject to main function is not affected)	25
1.3	Compliant with minor deviation (up to 10% subject to main function is not affected)	20
1.4	Non-compliant to required specifications	Disqualify
2	Trained Product Specialist	10
2.1	Two marks for each Foreign Technical Graduate Engineer with PEC Registration in Sindh for the quoted product (Factory/OEM level service training).	06
2.2	Two marks for each Foreign Trained Science Graduate in Sindh for the quoted product (Factory/OEM level application training).	04
3	Product Certification	10
	<ul style="list-style-type: none">● USA Food & Drug Administration (USA-FDA)● European Community (CE) MDD● Japan Industrial Standard (JIS) / Japan Quality Assurance Organization (JQAO) / Certificate issued by Ministry of Health, Labor and Welfare Govt. of Japan	
3.1	All Three of the above	10
3.2	Any two	7
3.3	Only One	3
	TOTAL MARKS PRODUCT EVALUATION (A)	50

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B. BIDDER EVALUATION

S#	PARAMETERS/SUB-PARAMETERS	Total Marks
4.	Manufacturer's Authorization(Mandatory)	10
4.1	Bidder is OEM direct representative or the Sole Distributor for last 10 years or more. (Authorization certificate attested by embassy must be provided)	10
4.2	Bidder is OEM direct representative or the Sole Distributor for more than 05 years but less than 10 years. (Authorization certificate attested by embassy must be provided)	8
4.3	Bidder is OEM direct representative or the Sole Distributor for 05 years or less (Authorization certificate attested by embassy must be provided)	5
4.4	Non submission of valid manufacturer's authorization	Disqualify
5.	Human Resource	06
5.1	Diploma of Associate Engineer (DAE) in electrical / electronic / biomedical / mechatronics / mechanical / industrial. DAE certificate must be submitted. (0.5 mark for each certificate)	2
5.2	Graduate Engineer with PEC Registration in biomedical, electronics, and mechatronics, mechanical, industrial. PEC registration card of the engineer must be submitted. (1mark for each Engineer)	4
6.	Networking	04
6.1	Networking setup across Pakistan (1 mark for each setup) (verifiable) (proof of registered office and workshop must be provided)	04
7.	Past Experience/ Performance	10
7.1	Bidder's prior experience for supplying the same nature of product . Performance certificate of at least 05 public hospitals having minimum 5 years' Experience along with Installation Report and Supply order/ Purchase Order of the firm in last 5 years, on letter head, signed and stamped by the Head of institution of public sector. One mark for each after sale satisfactory performance certificate.	05
7.2	Bidder's prior experience for supplying the same nature of product . Performance certificate of at least 05 reputable private hospitals having minimum 5 years' Experience along with Installation Report and Supply order/ Purchase Order of the firm in last 5 years, on letter head, signed and stamped by the Head of institution of private sector. One mark for each after sale satisfactory performance certificate.	05
8.	Turnover total during last three (03) financial years(Audited Statements of Accounts and Income Tax Return Forms must be attached as supporting documents)	10
8.5	Turnover last 3 years equal or above PKR 1200 million	10
8.4	Turnover last 3 years equal or above PKR 1000 million	08
8.3	Turnover last 3 years equal or above PKR 800million	06
8.2	Turnover last 3 years equal or above PKR 600 million	04
8.1	Turnover last 3 years below PKR 600 million	00
9.	Bonus points	10
9.1	Free of Cost Extended Warranty (in accordance with the standard warranty period) atleast for two year including parts & services & labor. (Bidder offering greater extended warranty period will get the full marks)	10
9.2	Free of Cost Extended Warranty (in accordance with the standard warranty period) at least for one year including parts & services & labor.	05
TOTAL MARKS BIDDER EVALUATION (B)		50
GRANDTOTAL (A+ B)		100

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Medical Superintendent
GMMC Hospital Sukkur

BIDDER EVALUATION CRITERIA

Bid found to be responsive with maximum accumulative points (Technical + Financial) shall be accepted as the **most advantageous bid** as per SPPR, 2010 (Amended 2021).

Bids will be evaluated on the basis of following evaluation criteria.

A. TECHNICAL EVALUATION

- i) Technical evaluation has 70% weightage
- ii) Bids will be evaluated on a Bidder's capacity and capability to undertake supplies and on quoted item quality, performance and conformity to the required specifications.
- iii) Technical capacity of a bidder includes availability of workshop, tools, technical staff, number of installation and experience in the province of Sindh for prompt services to Karachi Division. Past performance of the bidder at **Medical Superintendent GMMMC Hospital Sukkur** will also be reviewed.
- iv) A bidder must achieve a minimum of 70 points out of total 100 points in technical evaluation, to be considered for financial evaluation.

B. FINANCIAL EVALUATION

- i) Financial evaluation has 30% weightage.
- ii) Only financial proposal of bidders with responsive technical proposal will be opened. Financial proposal of bidders who do not meet required mandatory documents and minimum 70 points out of total 100 points in technical evaluation will be returned unopened.
- iii) Bidder who has offered the lowest value for the item will get 30 points.
- iv) All remaining bidders after the lowest shall get points on their financial proposal, calculated as per the following formula.

Value of lowest bidder x 30

Value of higher bidder
[2nd, 3rd, 4th, etc.]

C. FINAL BID EVALUATION

- i) Points obtained by bidders in technical and financial evaluation shall be prorated and finalized as follows.

Evaluation	Weightage
Technical	70%
Financial	30%
Total	100%

- ii) Bid of a bidder who is found technically responsive with highest accumulated points will be considered as the most advantageous bid.

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SECTION A

Supply, Installation, Testing and Commissioning of Medical Equipment and Machinery Items

S. No	Name of items	QTY	FIXED BID SECURITY
1.	<p>X-Ray Machine 500 MA</p> <p>Specification:</p> <ul style="list-style-type: none"> • 500mA High frequency X-Ray generator • Floor Mounted Tube Stand • 4 Way Floating Table • Vertical Chest Bucky Stand • Digital Flat Panel Detectors for Table Bucky and Chest Bucky • Acquisition Workstation and Software <p>X-Ray Generator</p> <ul style="list-style-type: none"> • High frequency inverter type microprocessor x-ray generator • Three phase 40 kW Generator or better • Automatic line compensation • Overload tube protection • Radiographic kVp 40-150 kV or better • Radiographic mA 10-500mA or more • Exposure time: 1ms – 6.3 s or better • 300 or more Anatomical program <p>X-Ray Tube</p> <ul style="list-style-type: none"> • Maximum Tension, 150 kVp or better • Small focus 0.6 mm or better • Large focus 1.2 mm or better • Anode Heat capacity 300 KHU or more <p>4 Ways Floating Top Table</p> <ul style="list-style-type: none"> • Electromagnetic brakes • Longitudinal travel of tabletop and Lateral/transfer travel of tabletop • Longitudinal travel of Bucky • Moving grid • Grid ration 40 l/sec, 10:1 or better <p>Floor Mounted Tube Column Stand</p> <ul style="list-style-type: none"> • Tube support balancing System with counterweights and Electromagnetic brakes • Control panel with push button to control vertical travel • Rotation of tube – collimator assembly +/-180° or better • Vertical travel: 500-1500mm or better <p>Manual Collimator</p> <ul style="list-style-type: none"> • Multi leaf Manual collimator • LED light indicator for alignment with Bucky <p>Wall Chest Bucky Stand</p> <ul style="list-style-type: none"> • Chest Bucky stand with cassettes formats maximum up to 35x43cm • Vertical travel 1500mm or better • Moving grid: 10:1 ratio or better <p>Protection Devices:</p> <ul style="list-style-type: none"> • Lead Glass 1.5 mm, Size 80cm x100cm • Compression belt • Lead aprons: 0.5 mm • Thyroid shield: 0.5 mmPb • Lead goggles and gonadal shields • Detector holder for lateral radiography 	01	990000

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Amir

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Medical Superintendent
GMMMC Hospital Sukkur

Flat Panel Detector (2 nos.)

(1 for Chest Stand and 1 for Table Bucky)

- Purpose for General Radiography
- Scintillator CsI or better
- Effective Imaging Area 430 x 430 mm
- Image Matrix Size 2k x2k
- A/D Conversion 14 bits or better
- Pixel Pitch 150 µm or better
- Image Acquisition and Transfer Time 5 sec or less
- DICOM 3.0 Compatible

Acquisition Workstation and Software Processor:

Intel Core i5 or better

- Memory: 8 GB or more
- Hard Drive: 1 TB, Storage Capacity 50,000 or more Images
- 23 inch or more LCD monitor
- Mouse and Keyboard, DVD writer
- Full DICOM 3.0 Compatibility
- Image quality control tools with pixel fixing tools
- Flexible configuration including language localization
- Up to three image marks and one comment supported in one view (can be done automatically according to configuration)
- Image cropping (can be done automatically according to configuration)
- Compatible UPS for Console / Workstation

CR Printer

DICOM Printer DRY imaging films

Processing capacity Approx. 100 sheets/hour mix sizes.

- 1000 nos. of Dry Laser films.
- Pixel size 100 µm (254dpi)
- From Fuji Film/Konica/Agfa/or equivalent

Country of Origin: UK, USA, Europe, Japan or equivalent.

Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW

(Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate.

Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end..

2. Suction Machine Heavy Duty**Specification:**

- Should have ability to be used in the emergency dept., intensive care, operating theatre.
- The pump should have accurate vacuum setting with the membrane vacuum regulator
- Should have piston/cylinder system for a vibration free and noiseless operation.
- The vacuum range should start from -95 kPa / 713 mmHg or better.
- The flow rate should be adjustable from 60 OR more liter/min.
- Power Requirement:

Line Voltages 100-240 VAC Line Frequency 50/60Hz

Should be Supplied with:

Two reusable suction jars of 4 liters

Mobile Trolley Original with two lockable castor Antibacterial Filter

Clamp Holder

02

18000

Prepared/Reviewed by following members of Technical Committee (Machinery Equipment / Furniture etc):

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	<p>Disposable Patient Tubing Power Cord Operating Manual Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end</p>		
3.	<p>ECG Machine 12 Channel Specification: Twelve Channels ECG on at least 7 inches or more Color LCD / LED display Manual and Automatic Operation Variable Gain: 1.25, 2.5, 5, 10, 20, 10/5 mm/mV Interpretation Software both Adult and Pead's Recording Trace speed: 10 / 12.5, 25 and 50 mm / sec or better Defibrillator Protection Built-in battery operation with 2 hours or more backup Heart rate range: 30 to 300 bpm or better Noise Filter, High-Performance baseline filter; AC interference filter 50/60 Hz; Low-Pass filters 40Hz, 150 Hz, or 300 Hz Internal storage: up to 500 files or more Capability to interface with LAN / WLAN for data transfer Thermal Recorder for printing out Twelve Channels simultaneously Operating Requirement: AC 220 V & 50 Hz Securing / fixation to the mobile Cart by strap or other means must be provided Accessories: Complete with all Standard Accessories, including patient cables for Adult & Pediatric use with re-usable electrodes and for Neonatal use with re-usable / disposable electrodes High quality local ECG Mobile Cart with two lockable antistatic castors. Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.</p>	01	9000
4.	<p>Hematology Analyzer Specifications: Automated Hematology Counter Auto probe cleaning/wiping RS232/USB interface 220V, 50 Hz operated User Adjustable Settings: Through put 60 samples/hour or more 3-Part differential with minimum 20 parameters Histograms for WBC, RBC and Platelet Sample Volume: Max 120 ul of whole blood or less Displayed Parameters: Digital LCD display Auto calibration programmed Patient data entry and specimen recognition by keyboard/LCD Touch Screen/Bar Code Patient data and results storage of 5,000 Results or more Accessories: Built-in Thermal Printer or External Laser Printer Consumables, reagents, calibrators, controls for startup of 200 test or more Compatible</p>	01	36000

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	<p>Imported Online Sine wave UPS with Battery backup for 30 minutes Operating Manual with a Soft Copy Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end..</p>		
5.	<p>Electrolyte Analyzer Specifications: Automated microprocessor-controlled electrolyte system that uses ISE (Ion Selective Electrode) technology to make electrolyte measurements i.e., combinations of Na +, K+, Cl-, Li +, Ca++, and pH in whole blood, serum, plasma, or urine System should accept Whole Blood, Serum, Plasma, Urine as sample System should be capable of automatic two-point calibration along carrying out one-point and two-point calibration manually System should have 2 or more levels of quality controls RS 232 or USB Interface 220V 50 Hz, AC User Adjustable Settings: Sample Volume Range: Serum/Plasma/Blood <100 ul, Urine <300 ul or better Throughput 60 samples/hour or more Analysis Time: Serum/Plasma/Blood/ Urine = 60 sec or better Result storage capacity: 150 - 200 samples or better Displayed Parameters: Simultaneous digital display for the results Selectable adjustable reference range for all parameters • Built-in or External Laser Printer • Imported Compatible Sine wave UPS • Operating Manual with a Softcopy Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end..</p>	01	24000
6.	<p>Hot Air Oven Specification: Microprocessor based PID control Inner stainless steel and outer powder coated Stainless steel chamber with adjustable shelves and a tough ended glass inner viewing door At least two shelves made of stainless steel with adjustable height positions the outer cabinet is to be rust resistant Fitted with circulation fan Chamber Capacity: 50-60 Liters or more Power Source 220V, 50HZ AC User Adjustable Settings: Adjustable temperatures from ambient +5C up to 250C Stability: 0.5C Insulated control box</p>	01	9000

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- Qazi Muhammad Amir, Bio-medical Technician, Elector-medical Workshop.** _____
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- Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi.** _____


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	<p>Displayed Parameters: Temperature Control for accurate results Digital display to show the chamber temperature and time Indicator lamps to show when the heater is active and if an over temperature condition exists The over temperature safety cutout to be set by the user Accessories: Servo Controlled Voltage Stabilizer with surge protection facility Operating Manual with a Soft Copy Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end..</p>		
7.	<p>Incubator Specification: Temperature range 10 to 100° C Control Accuracy $\pm 0.7^\circ$ C Volume 60 -100 liters No of Racks Two Temperature Control PID Display LED Operating Voltage 220V Ventilation & Control Forced air circulation Parameters adjustable temperature (Celsius or Fahrenheit), Programmed stored in case of power failure Over Temperature Protection with audible and visual alarm Over temperature monitor Texture Fully insulated stainless steel door with 2-point locking (compression door lock) Inner glass door Easy-to-clean interior, Temperature Min. 10 °C above ambient up to +80 °C Accessories: Complete with standard accessories, software, Operating manual, Services Manual, error code book, part list and software if any Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end..</p>	01	12000
8.	<p>Water Bath Specification: Microprocessor PID-temperature controller Exterior body of steel sheet Double skinned tank, inner case made of stainless steel Perforated stainless steel bottom tray Temperature control for regulation of temperature Gabled lid Power Source 220V, 50HZ AC User Adjustable Settings: Capacity of 20-25 Liters Adjustable temperature ranges from +5C above ambient up to 100C Temperature accuracy of + 1% Displayed Parameters: Built in thermometer</p>	01	1800

Prepared/Reviewed by following members of Technical Committee (Machinery Equipment / Furniture etc):

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- Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____

Amir

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<p>Digital display of temperature and time Adjustable timer for time setting Fault indication system Over temperature protection system Accessories: Three Racks of different sizes Servo Controlled Voltage Stabilizer with surge protection facility with drain tap Operating Manual with a Soft Copy Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end..</p>		
<p>9. Chemistry Analyzer Specifications: OPERATOR INTERFACE • Membrane keyboard/Touchscreen • Optional external keyboard • High contrast graphical LCD display OPTICAL • Photometric range: -0.1 to 2.3 Absorbance or better • Wavelengths: automatic by 12 positions filter wheel • 7 Standard interference filters: 340, 405, 505, 546, 578, 620 and 660 nm or better • 5 positions for optional filters • Detector: Photo diode (320-1000 nm) or better Light source: quartz-halogen lamp or better. FLOWCELL • Metal, with quartz windows • Measuring volume 30 µL or better PRINTER • Internal matrix printer • Normal paper • External printer port available MULTIPLE TESTING • Up to 9 replicates • Means, SD and CV% POWER REQUIREMENTS • 100-240 VAC nominal, 50/60 Hz • Battery back-up to retain data/ Compatible External imported online UPS The bidder will provide kits for 100 patients along with the machine free of cost at the time of installation Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end..</p>	01	42000
<p>10. Anesthesia Machine with built-in Ventilator Specification: Gas Supply: Pipeline input pressure: 3 to 6.bar supplies required; Connections: for O2, N2O, Air and Vacuum. 2) Non-interchangeable gas supply pipeline inlets. 3) Pin index cylinder yokes for O2 and N2O one each or more. 4) Stainless steel/fiber work surface. 5) Central Gas / Electronically driven unit. 6) Continual fresh gas flow with fresh gas flow compensation during mechanical ventilation.</p>	01	150000

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- 7) Should be low flow
 - 8) Auxiliary O2 Outlet one or more.
 - 9) Two lockable castors
 - 10) Absorber bag support arm
 - 11) Oxygen flush 30 l/min or more
 - 12) Should have built in suction operating on vacuum
 - 13) Should have built in Active scavenging system
 - 14) Manometer gauges (Manual or Digital)
 - Pipeline: O2, N2O & Air
 - Cylinder NIST: O2, N2O
 - Pin indexed: O2, N2O
 - 15) Rotameter (hypoxic guard system) manual/digital
 - 16) Common gas outlet option should be present.
 - 17) Built in Oxygen monitoring system.
 - 18) Built in autoclavable flow sensor compatible with all type of patient.
 - 19) Should have ability to add module or other optional features like Agent monitoring, EtCO2.
 - 20) Selecta Tec system two or more station vaporizer mounting
 - Vaporizer should be flow and temperature compensated and interchangeable with other machines.
 - 21) Minimum 1.2 liters or more CO2 absorber volume
 - Absorbent canister should be Autoclavable
 - 22) Breathing assembly/system should be completely Autoclavable
 - 23) Two or more drawer units.
 - 24) Anesthesia ventilator with minimum 10" or more color Touch LCD/TFT screen and should be capable of ventilating adult and pediatric
 - 25) Ventilation modes: MAN, SPONT, VCV, PCV, PSV
 - 26) Should be equipped with anti-barotrauma and anti-volutrauma system
 - 27) Tidal volume from 20 ml to 1500 ml or better
 - 28) Ventilation frequency starting from 4 bpm up to 80 bpm or better
 - 29) Inspiratory to expiratory time starting from 1:1 till 4:1
 - 30) PEEP 4 cmH2O to (20 cmH2O or more)
 - 31) Oxygen failure safety system
 - 32) Measured parameters should include: Expired tidal volume, frequency, minute volume, PIP, plateau pressure, PEEP, mean pressure, airway pressure
 - 33) Power Requirement:
 - 34) Line Voltages 100-240 VAC Line Frequency 50/60Hz
 - 35) Battery backup: 60 minutes or more
 - 36) Audible and visual alarms: Low air/ N2O/ O2input pressure, apnea alarm, O2 alarms, upper/ lower limit alarms and leak or patient disconnection
 - 37) Silent indicator, time and date and mains and battery indicator Should Be Supplied with:
 1. 1*Rebreathing patient circuit
 2. 1*Reusable bag 2L
 3. 1*Power cord
 4. 1*Vaporizers (Isoflurane), 1*Optional Sevoflurane
- Country of Origin: UK, USA, Europe, Japan or equivalent.**
Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW
 (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate.

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	<p>Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end</p>		
11.	<p>C-ARM Machine with FPD</p> <p>Specification:</p> <ul style="list-style-type: none"> • INPUT Phase Single Line Frequency 50/60Khz Line Voltages 100-240VAC • X RAY GENERATOR Power 3.2 Kw or more Frequency HF inverter 40KHz or better KV 40 kV to 120 kV or better Maximum mA Continues Fluoroscopy 40mA or more Maximum Frame Rate 25 frames or more. • X RAY TUBE Dual Focus Spot 0.3mm & 0.6mm Anode Heat Storage Capacity 200KHU or more with indicator • DETECTOR Detector Type Amorphous silicon AS(a-Si) Detector Size 20X20cm or more Pixel Pitch 100 µm or better Detector Quantum Efficiency 60% or more. • COLLIMATOR Operation Manual / Remote Motor Drive Construction 4-axis Asymmetric Lead Shutter Speed Rotation: 180° - 15sec / Open-Close: 5sec Accuracy 2% OF SID IN USE • C ARM WITH MECHENICAL BRAKES SID 100cm or more Free Space 75cm or more Orbital Rotation 150 degree or more Lateral Rotation 200 degree or more ARC Depth 60cm or more. • IMAGE ACQUISITION SYSTEM Automatic bright control Motion Reduction feature Zoom in and out on live acquisition Last image hold function 	01	1200000

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Signature

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Negative mode features
 360 Digital image rotation for easy adjustment
 Built in image storage
 Hand switch for Exposure
 Double paddle foot switch

• **DICOM Features :**

Modality Work List AS(a-Si)
 Storage 20X20cm or more
 Query / Retrieve 100 µm or better
 Import Export (DVD & USB) 1.5 K * 1.5 K or more
 Print 60% or more
 Work list MPPS
 Storage commitment
 Radiation Dose SR.

• **IMAGE DISPLAY TECHNOLOGY**

Display 19" Dual / 32" or more single monitor
 display with original trolley
 Resolution 1920 X1080 HD Resolution
 User interface Mouse and Keyboard

• **OPERATOR CONTROL PANEL**

Size 10" or larger display

• **APPLICATIONS**

Automatic Image Save
 Noise Reduction 20X20cm or more
 Edge Encasement 100 µm or better
 Low dos Image Processing 1.5 K * 1.5 K or more
 Detector Quantum Efficiency 60% or more
 Country of Origin: UK, USA, Europe, Japan or equivalent.
 Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW
 (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate.

Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.

12.	DEFIBRILLATOR Specification: 1. The defibrillator should be built on Biphasic concept. 2. LCD color display with Screen Size of approx. 8 inches or better 3. Synchronized output with ECG. 4. For External Defibrillation Energy Selection & Delivery on Control Panel and /Or External Paddles 5. For Internal Defibrillation Energy Selection on Control Panel and / Or Internal Paddles and Delivery must be on Internal Paddles 6. Charging Indicator 7. The energy range should be adjustable for Neonates, Paeds and Adults up to 360 Joules or better	02	80000
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August

<p>8. Charging Time for full energy should be less than 6 – 7seconds 9. Display of HR, ECG through paddles and Lead I, II & III patient cable 10. Built-in recorder for printing of full summary 11. Alarms for High and low Heart rate, low battery warning 12. Auto Tester /Self-Check 13. External Paddles (Adult and Pead's) 14. AED Facility with Cable 16. Pacing Facility Other Parameters: Operating Requirement: AC 220 V & 50Hz 17. Built-in Rechargeable battery with charger for minimum 100 shocks at maximum energy Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.</p>		
<p>13. Multipara Patient Monitor Specification: 1. Vital signs and other parameter for Adult / Paeds / Neonates Operating Features and Characteristics: 2. Screen Size: At least 13" or more diagonal or better with non-fade LCD / TFT LCD / LED color display. 3. Should Be Touch Screen. 3. Electro-Surgical Interference Suppression / Protection 4. Defibrillator Protection 5. Freeze and Cascade Facility 6. Waveform: Six wave forms or more 7. Waveform Traces Speed: 5, 10, 25 & 50 mm / sec Parameters: 8. ECG 9. Numeric: Heart Rate 10. Real Time, and freeze ECG Trace Non-Invasive Blood Pressure (NIBP): 11. Method: Oscillometric Principle 12. Numeric: Systolic, Diastolic, and Mean Pressure 13. Selectable auto inflate interval settings 14. Rising Cuff / Continuous Pressure Display Invasive Blood Pressure (IBP): 15. IBP Two or more Channels 16. Mainstream Capnography (EtCO2) Optional. must be quoted. Temperature: 17. Numeric: Temperature selectable in °C / °F Pulse Oximetry: 18. Numeric: 0 – 100% oxygen saturation measuring range 19. Waveform-Plethysmograph Pulse with Pulse Strength Indication Arrhythmia Analysis: 20. Arrhythmia Analysis and ST Analysis Respiration: 21. Breathe Rate display and settable apnea alarms 22. Sweep Speed: 3,6.25, 12.5 mm / sec or better Other Features: 23. Trend Data: Graphical / Tabular with at-least 48 hours' back-up or better Alarms: 24. High & Low (settable) on all parameters 25. Visual and audible indication of alarms Other Parameter: 26. Operating Requirement: AC 220 V & 50 Hz 27. Built-in rechargeable battery for fully operational back-up for at least 2 hours or more Communication: 28. Capability to interface with LAN / WLAN for data transfer Accessories:</p>	03	45000

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[Handwritten Signature]

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GMMW
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The system must be complete with all sensors, probes, cables, or any other accessories required for measuring all the above selected parameters Type and Quantity of Reusable Cuffs (Latex Free) of all available sizes of all body Operational & Service Manual Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate.

1. Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.

14.	<p>Multiparameter Patient Monitor with EtCO2</p> <p>Technical Specification</p> <ol style="list-style-type: none"> 1. Monitor for Adult / Paeds / Neonates 2. Operating Features and Characteristics: 3. Screen Size: At least 15" or more diagonal (Touch Operated) or better with non-fade LCD / TFT LCD / LED color display 4. Electro-Surgical Interference Suppression / Protection 5. Defibrillator Protection 6. Freeze and Cascade Facility 7. Waveform: Six wave forms or more 8. Waveform Traces Speed: 25 & 50 mm / sec <p>Parameters: ECG</p> <p>Input: 3&5-lead ECG cable and standard AAMI line for connection Lead Choice: I, II, III, aVR, aVF, aVL, V, V1-V6,</p> <ol style="list-style-type: none"> 2. Numeric: Heart Rate 3. Real time, and freeze ECG Trace <p>Non-Invasive Blood Pressure (NIBP):</p> <ol style="list-style-type: none"> 1. Method: Oscillometric Principle 2. Numeric: Systolic, Diastolic, and Mean Pressure 3. Selectable auto inflate interval settings 4. Rising Cuff / Continuous Pressure Display <p>Invasive Blood Pressure (IBP):</p> <ol style="list-style-type: none"> 1. IBP Two or more Channels <p>EtCO2:</p> <ol style="list-style-type: none"> 1. Mainstream Capnography (EtCO2) 2. Temperature: <ol style="list-style-type: none"> 1. Numeric: Temperature selectable in °C / °F <p>Pulse Oximetry:</p> <ol style="list-style-type: none"> 1. Numeric: 0 – 100% oxygen saturation measuring range 2. Waveform-Plethysmograph Pulse with Pulse Strength Indication 3. Probe preferable Masimo/Nellcor 	01	22500
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Medical Superintendent
GMMHC Hospital Sukkur

	<ul style="list-style-type: none"> • mA Range: Max. 100mA or better • mAs range : 10 mAs to 200 mAs or better • Focus Size : 1.8 mm or better • Anode heat storage capacity : 40 KHU or better • Standard power supply cable, standard x-ray exposure switch cable • Certifications: FDA 510(k) / CE / JIS <p>Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.</p>		
16.	<p>Centrifuge</p> <p>Technical Specification Technical Specification Performance Specifications</p> <ul style="list-style-type: none"> • Type: Bench-top laboratory centrifuge • Tube Capacity: 12 × 15 mL • Speed ranges: 300 - 12,000 rpm or more • Speed Control: Variable speed selection with digital control • Timer: Programmable timer with range 1 – 99 minutes and continuous (HOLD) mode • Control System: Microprocessor-based control system • Display: Digital LED/LCD display indicating speed and time • Noise Level: ≤ 65 dBA or better • Safety Features: Automatic lid locking during operation • Imbalance protection system • Automatic motor stop on lid opening or fault • Rotor: Fixed-angle rotor compatible with specified tube capacity • Construction: Durable, corrosion-resistant metal or reinforced polymer housing • Operating Conditions: • Temperature: +10 °C to +40 °C • Power Supply: AC 220 – 240 V, 50/60 Hz <p>Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.</p>	01	3000
17.	<p>DIATHERMY</p> <p>Specification:</p> <ul style="list-style-type: none"> • High frequency surgical diathermy for mono polar and bi polar cutting and coagulation for use in general surgery, ENT, Gynecology, Urology, Orthopedic, etc. • Output power 300 W or more • Monopolar cutting 300 W or more • Blend: 230W or more • Monopolar coagulation • Soft 120 W or more • Forced 120 W or more • Spray 120 W or more • Bipolar Cutting 100 W or more • Bipolar Coagulation : 80 W or more <p>Should be completed with:</p> <ul style="list-style-type: none"> • Power Cable, Double Pedal Footswitch, and Reusable Electrode Handle with 2 finger Pushbuttons, Knife Electrode, Wire Loop Electrode, Bipolar Forceps, 	02	200000

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- Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____

Signature

Arrhythmia Analysis:

1. Arrhythmia Analysis and ST Analysis

Respiration:

1. Breath Rate display and settable apnea alarms
2. Sweep Speed: 6.25, 12.5 mm / sec or better

Other Parameters:

1. Built-in rechargeable battery with 2 or more-hour battery backup
2. Monitor should have ability to add module or other optional features like Agent

monitoring and IBP up to 4 channels. IBP up to 4 channel, Agent Monitoring and etc.

3. Trend Data: Graphical / Tabular with at-least 48 hours' or better
4. Should have feature for the connectivity with the Central Monitoring station

Alarms:

1. High & Low (settable) on all parameters
2. Visual and audible indication of alarms

Communication:

1. Capability to interface with LAN / WLAN for data transfer

Accessories:

1. The system must be complete with all reusable (sensors, probes, cables, or any other accessories) required for measuring all the above selected parameters for Adult, Paeds and Neonates
2. Reusable Cuffs (Latex Free) of all available sizes of all body contours

Note: Monitor attachment with existing installed anesthesia machine side arm is the responsibility of supplier/vendor

Power Requirement:

Line voltages: 100-240VAC Line Frequency: 50/60 Hz

Country of Origin: UK, USA, Europe, Japan or equivalent.

Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW

(Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate.

Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.

15. **Portable X-ray Specification:**

- Mobile X-ray machine for used of hospital, physical examination vehicle, emergency room, radiology department and bone surgeries
- Easy to carryout work in different areas and locations
- Input voltage 220v, 50Hz
- Operating frequency: 20 kHz or more
- X-Ray Generator: High frequency invertertechnology
- Output power: 4 KW or more
- KV Range: 40 kV to 120 kV in 01 kV Steps

01

210000

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Bipolar Connecting Cable, Reusable Patient Plate with Cable and Trolley (Local).

Country of Origin: UK, USA, Europe, Japan or equivalent..
Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW
(Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate.

Warranty: Warranty period shall be of three years starting from date of satisfactory installation of equipment

18. ELECTRO HYDRAULIC OT TABLE

01

170000

Function and Features:

- Should have Direction control / Drive Unit
- Should have Emergency panel system (control panel) and electro hydraulic manual override (Manual foot pump)
- Should have Level Function (zero position)
- Should have Maintenance Free Battery for battery backup system
- Should have Column electro hydraulic up/down
- Should have Sliding capability
- Should have Battery status on hand control
- Should have Free programmable memory positions
- Should have Trendelenburg / Reversed Trendelenburg
- Should Have Wire hand control with two connecting points on the operating table
- Should have Radiolucent table top
- Exclusively removable leg split section

Reverse (interchangeable head and leg plate)

- Material of OT table should be in AISI304- stainless steel.

Technical Specification:

- Dynamic work load should be 250 kg or more
- Table top height (up/down, W/O pad) should be 60 cm to 100 cm or more.
- Table top longitudinal slide (to head, to leg) should be 30 cm or more.
- Trendelenburg / Reversed Trendelenburg should be 30 degree or more.
- Lateral tilting left / right should be 20 degree or more.
- Head rest up/down should be 60/90 degree
- Back rest up/down should be 80/30 degree
- Leg plate up should be Electrical / manual 20 degree
- Leg plate down should be Electrical / Manual 90 degree
- Leg Plate horizontal position (0 to 180 degree).
- Flex / Reflex should be 210/100 degree or more, respectively.
- Kidney bridge should be 12cm or more

Accessories:

- Arm Rest 1-Pair
- Leg Rest 1-Pair
- Anesthesia Screen
- Corded hand controller (remote control)
- Power cord
- Lithotomy Pole

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Power Requirement:

- Line voltages: 100-240VAC
- Line Frequency: 50/60 Hz

Country of Origin: UK, USA, Europe, Japan or equivalent..

Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW

(Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate.

Warranty: Warranty period shall be of three years starting from date of satisfactory installation of equipment

19. **ELECTRO HYDRAULIC OT TABLE WITH ORTHOPAEDIC TRACTION FRAME**

01

250000

Function and Features:

- Should have Direction control / Drive Unit
- Should have Emergency panel system (control panel) and electro hydraulic manual override (Manual foot pump)
- Should have Level Function (zero position)
- Should have Maintenance Free Battery for battery backup system
- Should have Column electro hydraulic up/down
- Should have Sliding capability
- Should have Battery status on hand control
- Should have Free programmable memory positions
- Should have Trendelenburg / Reversed Trendelenburg
- Should Have Wire hand control with two connecting points on the operating table
- Should have Radiolucent table top
- Exclusively removable leg split section

Reverse (interchangeable head and leg plate)

- Material of OT table should be in AISI304- stainless steel.

Technical Specification:

- Dynamic work load should be 250 kg or more
- Table top height (up/down, W/O pad) should be 60 cm to 100 cm or more.
- Table top longitudinal slide (to head, to leg) should be 30 cm or more.
- Trendelenburg / Reversed Trendelenburg should be 30 degree or more.
- Lateral tilting left / right should be 20 degree or more.
- Head rest up/down should be 60/90 degree
- Back rest up/down should be 80/30 degree
- Leg plate up should be Electrical / manual 20 degree
- Leg plate down should be Electrical / Manual 90 degree
- Leg Plate horizontal position (0 to 180 degree).
- Flex / Reflex should be 210/100 degree or more, respectively.
- Kidney bridge should be 12cm or more

Accessories:

- Arm Rest 1-Pair
- Leg Rest 1-Pair
- Anesthesia Screen
- Corded hand controller (remote control)

pared/Reviewed by following members of Technical Committee (Machinery Equipment / Furniture etc):

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- Sunny Mohiuddin, Dy. Director (Procurement), Directorate of Pharmacy, Sindh, Kar. _____
- Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____

Majid Ali
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	<ul style="list-style-type: none"> - Power cord - Lithotomy Pole - ORTHOPAEDIC TRACTION FRAME WITH ALL ATTACHEMENTS <p>Power Requirement:</p> <ul style="list-style-type: none"> - Line voltages: 100-240VAC - Line Frequency: 50/60 Hz <p>Country of Origin: UK, USA, Europe, Japan or equivalent.. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. Warranty: Warranty period shall be of three years starting from date of satisfactory installation of equipment</p>		
20.	<p>Infusion Pump Specification: Flow rate range should be from 1.0 – 1200 ml/h or better. 0.1 Or 1mL/hr. increments. KVO range should be 1 – 5ml/hr. or better Digital LCD display. Should have occlusion detection pressure. Should have air in line detection sensitivity. Don't need to be attached with a protective ground. Alarms should include: Empty container, Occlusion, Door open, free flow, flow error, reminder, air in line, low battery, infusion complete, power source switch, operator error and other device malfunction alarms. Should have Special Features: KVO, Auto power off, Alarm repeat, Data storage setting, Buzzer setting, power supply switched, Key lock, History, Maintenance timer, Battery refresh, Nurse call. Power supply should be 240 V and 50/60 Hz. Should have backup battery for instant switching from AC to DC. Battery Backup: 4h or more Power Unit Waterproof design to prevent the liquid drop, IPX24 or better <u>Supplied with:</u> pole clamp, power cable and operating manual. Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end..</p>	01	9000
21.	<p>Microscope Specification: Standard microscope with infinity color corrected optics Binocular head, adjustable inter papillary distance Tube head with an inclination of 30 Degree or more Rotating quadruple/quintuple nose piece 2-layer with mechanical sliding stage, XY moving range Condenser carrier, vertically/horizontal adjustable Bright field condenser, N.A. of 1.25 Aperture iris diaphragm LED illumination 220V 50 Hz, AC User Adjustable Settings:</p>		6000

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- e. Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____

Angela

<p>Coaxial coarse and fine focusing system, with focusing stop mechanism Variable intensity control system Eyepiece lenses: - 10x wide field, focusable, Objective lenses.(Achromat): - 4x Scanning lens 10X 20X 40x 100x oil immersion Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.</p>		
<p>22. OPERATION THEATER LIGHT DUAL DOME (CEILING MOUNTED) Specifications:</p> <ul style="list-style-type: none"> - Unit should have Clarity of vision, optimum performance - Unit should have Concentrated light source - Unit should have Patented, proven reflector technology - Unit should have No color deterioration - Unit should have Cool light - Unit should be User-friendly - Unit should have Optimum hygiene - Unit should have Ultra-reliable lighting - Unit should have Safety glass for best possible clarity. - Unit Should have Sterilize-able and Remove-able Handles - Unit Should have dust protection - Should have light intensity of main light 160,000 lux - Should have light intensity of satellite light 160,000 lux - Should have Color temperature adjustment 3500 - 5500 Kelvin - Should have Electric field adjustment. - Should have Focusable light field size d10 at 1m of light should be 180 mm -300 mm or better - Should have Temperature increase at head height < 2 °c - Should have color rendering index to 96 Ra or above. - Life time of LED should be 50,000 hours or more. - Dome should be adjustable upper side maximum 7 Feet or more and lower side minimum 4 Feet or more. <p>Based on room size and can customize the configuration. System should be compatible with Laminar Flow System Power Requirement:</p> <ol style="list-style-type: none"> 1. Line voltages: 100-240VAC 2. Line Frequency: 50/60 Hz <p>Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. Warranty: Warranty period shall be of three years starting from date of</p>	01	90000

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- e. Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____

Amir

<p>installation of equipment to the consignee end.</p> <p>OT Light Ceiling LED Double Dome with camera.</p> <p>Technical Specification</p> <ol style="list-style-type: none"> 1. Unit should have Clarity of vision, optimum performance 2. Unit should have Concentrated light source 3. Unit should have Patented, proven reflector technology 4. Unit should have No color deterioration 5. Unit should have Cool light 6. Unit should be User-friendly 7. Unit should have Optimum hygiene 8. Unit should have Ultra-reliable lighting 9. Unit should have Safety glass for best possible clarity. 10. Unit Should have Sterilize-able and Remove-able Handles 11. Unit Should have dust protection 12. Should have light intensity of main light 160,000 lux 13. Should have light intensity of satellite light 160,000 lux 14. Should have Color temperature adjustment 3500 - 5500 Kelvin 15. Should have Electric field adjustment. 16. Should have Focusable light field size d10 at 1m of light should be 180 mm -300 mm or betterShould have Temperature increase at head height < 2 °c 17. Should have color rendering index to 96 Ra or above. 18. Life time of LED should be 50,000 hours or more. 19. Dome should be adjustable upper side maximum 7 Feet or more and lower side minimum 4 Feet or more. <p>Based on room size and can customize the configuration.</p> <p>20. System should be compatible with Laminar Flow System</p> <p>21. INTEGRATED HD CAMERA (qty1) Resolution: 1920 x 1080 Full HD or better</p> <p>22. Separate third arm for the monitor with holder to hold 26" or more monitor (medical Grade) (qty1) Power Requirement:</p> <ol style="list-style-type: none"> 3. Line voltages: 100-240VAC 4. Line Frequency: 50/60 Hz <p>Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate.</p> <p>Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.</p>	01	190000
<p>24. SUCTION MACHINE</p> <p>Specification:</p> <ul style="list-style-type: none"> • Should have ability to be used in the emergency dept., intensive care, operating theatre. 	02	20000

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- The pump should have accurate vacuum setting with the membrane vacuum regulator
- Should have piston/cylinder system for a vibration free and noiseless operation.
- The vacuum range should start from -95 kPa / 713mmHg or better.
- The flow rate should be adjustable from 60 or more liter/min.
- Power Requirement:

Line Voltages 100-240 VAC Line Frequency 50/60Hz

Should be Supplied with:

Two reusable suction jars of 4 liters
 Mobile Trolley Original with two lockable castor
 Antibacterial Filter
 Clamp Holder
 Disposable Patient Tubing
 Power Cord
 Operating Manual

Country of Origin: UK, USA, Europe, Japan or equivalent.

Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW

(Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate.

Warranty: Warranty period shall be of three years starting from date of satisfactory installation of equipment.

25.	Surgical Pendant Ceiling, Single Arm	01	55000
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Specification:

- **Installation:** Ceiling mounted, single-arm pivot design
- **Arm Type:** Single mechanical arm with smooth swivel movement
- **Articulation:** Multiple axes for flexible positioning over the OR table
- **Load Capacity:** Designed to support surgical equipment, patient monitors, and accessories (load capacity subject to final manufacturer confirmation—often rated high capacity for surgical requirements, typically around ≥ 250 –400 kg range or better).
- **Brake System:** Friction brake standard; optional pneumatic or electromagnetic brake for secure articulation and stable positioning.

Materials & Finish

- **Surface Treatment:** Antimicrobial powder-coated finish for infection control
- **Design:** Smooth, screw-less surfaces to minimize contamination points and improve hygiene
- **Columns & Arms:** High-strength aluminum or steel construction for rigidity and durability
- **Ergonomics:** Optimized handle and movement design for effortless positioning.

Gas & Electrical Outlets

- **Medical Gas Integration:** Modular distribution panels for O₂, N₂O, Air, Vacuum & AGSS/Extraction as per hospital standard

Outlet Standards: Compatible with international medical gas interface standards

- **Electrical Sockets:** Integrated power outlets for medical devices and monitors

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	<ul style="list-style-type: none"> • Cable Management: Hidden and organized cable channels inside the arm and column to reduce clutter and enhance safety. <p>Accessories & Equipment Integration</p> <ul style="list-style-type: none"> • Service Component Panel: Mounting surface for devices such as patient monitors, anesthesia machines, electrosurgical units, and other OR equipment • Shelves / Rails: Built-in accessory mounting rails for baskets, drawers, trays, and equipment holders • IV & Equipment Poles: Optional infusion poles and accessory arms • Monitor Mounts: Optional display mount brackets for single or multiple monitors. <p>Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end..</p>		
26.	<p>Laminar Flow Air Disinfectors Specification</p> <ul style="list-style-type: none"> • Air Cleanliness Class: ISO Class 5 (ISO 14644-1) or Class 100 (Federal Standard 209E). • Air Velocity: <ul style="list-style-type: none"> ○ Vertical Flow: 0.36 to 0.54 m/s (standard 0.45 m/s ±20%). ○ Horizontal Flow: 0.30 to 0.45 m/s (80~99 fpm). • Filtration System: <ul style="list-style-type: none"> ○ Main Filter: HEPA H14 or ULPA U15 filters (EN 1822 tested). ○ Efficiency: 99.995% or higher at 0.3 microns. ○ Pre-filter: Washable polyester fiber (typically 10-15 micron retention) to extend HEPA life. • Airflow Direction: <ul style="list-style-type: none"> ○ Vertical: Air moves top-to-bottom, ideal for hazardous samples. ○ Horizontal: Air moves back-to-front, ideal for non-hazardous, large-space tasks. • Construction Material: AISI 304 or 316L Stainless Steel for work surfaces and walls to withstand harsh disinfectants. • Noise Level: 65 dB(A) or < 85 dB • Illumination: LED or fluorescent lighting (≥300lx to 500 lux). • Power Supply: 220–240 V AC, 50 Hz (or 110V/60Hz). <p>Disinfection and Functional Features</p> <ul style="list-style-type: none"> • UV-C Germicidal Lamp: 253.7 nm wavelength for surface sterilization before use. • Interlock Function: UV light turns off automatically if the front sash is opened or the blower is activated. 	01	60000

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- **Air Monitoring:** Differential pressure Gauge (e.g., Magnehelic) to track filter loading.
- **Optional Features:** Particle counters, additional electrical sockets, gas taps, or motorized front sash.

Country of Origin: UK, USA, Europe, Japan or Equivalent.
Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW
(Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate.

Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.

27.	<p>Syringe Pump Specification</p> <ol style="list-style-type: none"> 1. Automatic identify different size (5/10/20/30/50/60ml). 2. Should have 3 infusion mode or more 3. 4 inch or better Digital display LCD. 4. Light Design, with battery backup and must have dose error reduction system 5. Flow Rate Range: 2/3ml syringe 0.01~100ml/h, 5ml syringe 0.01~150ml/h, 10ml syringe 0.01~400ml/h, 20ml syringe 0.01~600ml/h, 30ml syringe 0.01~1000ml/h, 50/60ml syringe 0.01~2100ml/h 6. Total volume display 0.1-9999.9ml step by 0.01ml 7. Mechanical accuracy $\pm 1\%$, accuracy including syringe $\pm 2\%$. 8. Selectable bolus modes (Manual and automatic) 9. KVO Rate: 0.1ml/h to 5ml/h adjustable 10. Should be able to change infusion rate during infusion without stopping with fast boost mode emergency injection started in 3 seconds 11. Occlusion level: 03 or more levels, alarm with audio/visual reminder. 12. Calibration function, self-definition for all syringes compliant to the standard 13. All kinds of alarms: Nearly empty; Infusion complete; Occlusion; No battery; Low battery; No AC power; No DC power; Plunger/clutch disengaged Syringe disengaged; Reminder; Self-test error, invalid rate, and the limited volume less than or equal to total volume 14. Special function; <ol style="list-style-type: none"> a) Repeat alarming: If there is still alarm after mute alarm sound, it will alarm again in 2 minutes b) Record of 3000 entries or more can be stored and reviewed c) Alarm volume setting: Visual and voice available <p>Power supply switching: When AC/DC power supply is cut off, the infusion automatically switch to internal battery supply</p> <ol style="list-style-type: none"> e) Screen Lock function in touch screen option <p>15. Power Requirement: Line voltages: 100-240VAC Line Frequency: 50/60 Hz</p> <ol style="list-style-type: none"> 16. Battery backup 6 hours or more. 17. Power Unit Waterproof design to prevent the liquid drop, IPX24 or better 18. Interface port for data output and nurse call 19. Should have certification to use in harsh condition like ambulances and medical transportation vehicle Certification: <p>Country of Origin: UK, USA, Europe, Japan or Equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate.</p>	01	9000
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	Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.		
28.	<p>Medical Air Plant / Air Plant: 10 Hp (Duplex Unit)</p> <p>Specification</p> <p>10 HP DUPLEX MEDICAL OIL-FREE AIR COMPRESSOR SYSTEM Hospital Application Skid Mounted Complete System Compressor System Type: Medical Grade Oil-Free Air Compressor Configuration: Duplex (2 × compressors) Motor Rating: 10 HP each Noise Level: ≤ 70 dB(A) or better Mounting: Factory assembled skid-mounted Operation: Automatic Lead / Lag with fault changeover Air Performance Free Air Delivery (Combined): ≈ 3.6 – 4.4 Nm³/min Working Pressure: 7 – 8 bar Maximum Pressure: 10 bar Pressure Control: Automatic Medical Air Quality Oil-Free Compression: Yes Air Quality: ISO 8573-1 Class 0 suitable Application: ICU, OT, Ventilators, Anesthesia Air Receiver Capacity: 500 Liters Orientation: Vertical Design Pressure: ≥ 12 bar Accessories: Safety valve, pressure gauge, automatic drain Internal Finish: Anti-corrosive Air Dryer Type: Refrigerated Medical Air Dryer Capacity: ≥ 4.0 Nm³/min Pressure Dew Point: +2°C to +5°C Max Working Pressure: 10 bar Drain: Automatic Filtration & Regulation Air Line Filters: 2 Units Pre-Filter: 5 micron Fine Filter: 1 micron Air Line Regulator: 1 Unit with pressure gauge Electrical Control Panel Type: Automatic Duplex Switching Panel Functions: Lead/Lag operation, auto alternation, simultaneous run Protections: Overload, short-circuit, phase failure/sequence Enclosure: IP54 industrial grade Safety & System Readiness Pressure safety valves Vibration isolators Interconnecting piping & wiring Fully assembled, tested plug-and-play system Standards & Compliance Air Quality: ISO 8573-1 Imported/Export Quality Total Installed Power: 20 HP Duty Cycle: 100% continuous, 24/7 Cooling: Air-Cooled Should be: ISO Approved or CE Certified Warranty: 3 years warranty covering all major supplied components including oil-free compressors, electric motors, automatic duplex control panel, refrigerated air dryer, air receiver tank (body & welds), filters/regulator housings, auto drains, skid frame, and all interconnecting piping and wiring, against manufacturing or material defects. Country of Origin: USA / Europe / JAPAN / UK</p>	01	10000
29.	<p>Pulse Oximeter Desk w/ Mobile Stand</p> <p>Specification</p> <ul style="list-style-type: none"> • Display 2.4" color TFT, Resolution 320×240 or better • Multi displays selectable Standard screen display, Waveform display • Trace 1 plethysmogram waveform • Indicator Alarm indicator light • Power indicator light • Pulse tone, Alarm sound, Button tones, Interface One dual-purpose socket for connecting SpO₂ sensor and communication cable. • IR interface Infrared link allows downloading real time patient data to computer • DC Power interface Charger stand for Li-ion battery • DC Power Requirements Input voltage 5V DC <p>Battery Li-ion Battery</p>	01	7500

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	<ul style="list-style-type: none"> • 2 hours for charging;24 hours for continuous working Trend memory <i>Monitoring mode</i> <p>Resolution: 2s, Maximum time: 96h</p> <p>Alarm User-adjustable High and Low limits 3-level audible and visual alarm</p> <p>SpO 2</p> <ul style="list-style-type: none"> • Measurement range 0~100% • Resolution 1% • Accuracy $\pm 2\%$(70~100%,Adult/Pediatric) $\pm 3\%$(70~100%,Neonate), 0~69% unspecified Alarm range 50~100% • Refreshing rate 1 s • Averaging time 7 s (Sensitivity set HIGH) • 9 s (Sensitivity set MED) • 11 s (Sensitivity set LOW) <p>Pulse Rate</p> <ul style="list-style-type: none"> • Range 18~300bpm • Resolution 1bpm, Accuracy $\pm 3\text{bpm}$(non-motion) • $\pm 5\text{bpm}$(motion), Alarm range 18~300bpm • Refreshing rate 1 s • Averaging time 7 s (Sensitivity set HIGH) • 9 s (Sensitivity set MED) , 11 s (Sensitivity set LOW) <p>OR Equivalent ISO 13485 FDA/CE/JIS APPROVED USA/EUROPE/JAPAN Manufacturers from other countries (other than USA, Europe or Japan) will be accepted if equivalent has FDA 510(k)/ CE/ JIS or JQAO certifications Warranty period shall be of three years starting from date of installation of equipment to the consignee end.</p>		
30.	<p>Orthopedic Drill</p> <ul style="list-style-type: none"> • Speed: Variable speed control, generally 0-950 RPM up to 1300+ RPM. • Torque: High torque capacity (e.g.>7500 g-cm or 0.9 Nm) to handle dense bone. • Power Source: Typically rechargeable Lithium-ion or Ni-Mh batteries (14.4V is common). • Sterilization: Fully autoclavable to 135°C. • Functionality: Often cannulated to allow for the passage of Kirschner wires or guide wires through the center. • Chuck Size: Varies by use, commonly 0.6mm-6mm or specific AO coupling. • Weight & Ergonomics: Lightweight (approx. 800-900g), ergonomic pistol grip, often stainless steel or aluminum construction. • Noise Level: Low, typically 65-75 dB. <p>Common Components in a Set</p> <ul style="list-style-type: none"> • Handpiece: The main drilling unit. • Battery & Charger: Usually 2 batteries included for continuous usage. • Attachments: Keyless chuck, AO attachment, or specific saw/reamer attachments. • Sterilizing Case: Protective case for autoclaving. <p>Common Applications</p>	01	25000

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- **Trauma Surgery:** Bone drilling and screw insertion.
- **Internal Fixation:** Plate and screw placement.
- **Small/Large Bone Procedures:** Specialized handpieces exist for different bone sizes.

Key Considerations

- **Motor Type:** German-imported motors are often cited for high performance and reliability.
- **Safety:** Features like automatic shutdown upon contact or safety locks are important.

OR Equivalent ISO 13485

FDA/CE/JIS APPROVED USA/EUROPE/JAPAN

Manufacturers from other countries (other than USA, Europe or Japan) will be accepted if equivalent has FDA 510(k)/ CE/ JIS or JQAO certifications Warranty period shall be of three years starting from date of installation of equipment to the consignee end.

31.

Orthopedic Oscillator

- **Oscillation Speed:** Variable, usually ranging from 0–15,000 to 0–20,000 cycles per minute (cpm/osc/min).
- **Output Power:** Typically 80W–280W depending on the model (large bone vs. small bone).
- **Sterilization:** Fully autoclavable, usually at high temperatures (typically up to 135°C or 155°C).
- **Operating Voltage:** 14.4V is common for battery-operated units, while some are 9.6V.
- **Noise Level:** ≤70–75 dB.
- **Weight:** Approximately 1.0 kg to 1.7 kg for the handpiece.

Features and Components

- **Battery System:** Usually Ni-MH or Lithium-ion, with 1800mAh to 2200mAh capacity for extended operating time, commonly 1–2 hours depending on usage.
- **Motor Type:** Often high-performance, sometimes imported (e.g., Swiss or German motors) for reliability and longevity.
- **Rotating Head:** Often features an 8-position, 360-degree, or 45-degree indexable head for optimized blade positioning.
- **Blade Mechanism:** Quick-release, secure locking collet for fast blade changes.
- **Ergonomics:** Designed for reduced fatigue, often with a compact, lightweight, and ergonomic design.
- **Standard Configuration:** Generally includes the main handpiece, 2 batteries, 1 charger, a sterilization channel (or case), and 2-3 saw blades.

Common Applications

- **Large Bone Surgery:** Knee joint replacement, hip joint surgery.
- **Small Bone/Hand Surgery:** Precise cuts in smaller anatomical areas.
- **Trauma Surgery:** Orthopedic fracture fixation.

Regulatory and Material

- **Material:** High-grade stainless steel.

OR Equivalent ISO 13485

FDA/CE/JIS APPROVED USA/EUROPE/JAPAN

01

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[Signature]
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	<p>Manufacturers from other countries (other than USA, Europe or Japan) will be accepted if equivalent has FDA 510(k)/ CE/ JIS or JQAO certifications</p> <p>Warranty period shall be of three years starting from date of installation of equipment to the consignee end.</p>		
32.	<p>Arthroscopy System</p> <p>Specification:</p> <ul style="list-style-type: none"> • Arthroscope (Telescope): • Diameter: 4mm (Standard, knee/shoulder) 2.7mm (Ankle/small joints). Direction of View: 30⁰ and 70⁰ Length: 140mm to 175 mm working length. <ul style="list-style-type: none"> ○ Autoclavable: Yes, fully autoclavable, often with sapphire lenses for durability. • Camera System: ○ Resolution: 4K UHD (pixels) or High Definition. <ul style="list-style-type: none"> ○ Features: Integrated 3-chip camera head, programmable buttons, optical zoom, and automatic white balance. • Light Source: <ul style="list-style-type: none"> ○ Type: LED (preferred) or Xenon. ○ Cable: Fiber optic 5mm diameter 10 ft length, heat resistant. • Shaver System: ○ Speed: 1000-15000 rpm (forward/reverse). ○ Oscillation: 500 – 3000 rpm. <ul style="list-style-type: none"> ○ Control: Foot switch (variable speed) or hand controls. • Fluid Management (Pump): ○ Flow Rate: Up to 1500 – 2000 ml/min. ○ Pressure: 120 -150 mmHg. <ul style="list-style-type: none"> ○ Features: Reusable or single-use tubing, automatic pressure monitoring. • Monitor & Recording: <ul style="list-style-type: none"> ○ Monitor: 26-inch or larger medical-grade LCD/LED. ○ Recording: Integrated Full HD/4K> 320 GB storage, USB output. • Hand Instruments: <ul style="list-style-type: none"> ○ Types: Punches (left/right/straight), graspers, scissors. ○ Size: Low-profile 3.4mm + 0.2mm <p>Standard Support Equipment</p> <ul style="list-style-type: none"> • Trolley/Cart: Medical grade with at least 5 power sockets. • Sterilization: Trays for autoclaving instruments. • Safety: The system should be IEC-601-1 compliant, ISO 13485 certified, and have an automatic servo stabilizer. <p>OR Equivalent ISO 13485 FDA/CE/JIS APPROVED USA/EUROPE/JAPAN</p> <p>Manufacturers from other countries (other than USA, Europe or Japan) will be accepted if equivalent has FDA 510(k)/ CE/ JIS or JQAO certifications Warranty period shall be of three years starting from date of installation of equipment to the consignee end.</p>	01	120000
33.	<p>OT Light Ceiling LED Single Dome</p> <p>Specification:</p> <p>Ceiling mounted Single dome OT light</p>	01	90000

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	<p>Unit should have Patented, proven reflector technology Unit should have No color deterioration Unit should have Optimum hygiene Unit should have Safety glass for best possible clarity. Should have Laminar Flow Technology Should have light intensity of 160,000 lux Should have Color temperature adjustment 3500 - 5500 Kelvin or better Should have Electric field adjustment Should have Temperature increase at head height <1°C Should have Color rendering index to 96Ra or better Should have Life time of LED greater than 60,000 or more. Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.</p>		
34.	<p>Medical Gas Pipeline System (MGPS) Supply and installation in Operation Theatres (03), Recovery Room (03) and Wards (40) with following: a) Copper Pipes b) Multiple Zone Valve Box c) Floor Valves d) Manifold for Oxygen (2x4) e) Manifold for Nitrous Oxide (2x2) f) Area Alarm g) Gas Outlets i) OT: O2, N2O & Air ii) Recover: O2 & Air iii) Wards: O2 Must be visit at the site prior to the Bid Submission / Tender participation</p> <p>Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE/ JIS/ FDA/ MHLW Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.</p>	01	650000
35.	<p>Vertical Autoclave, 50L Specification: 1. The outer surfaces and the chamber of the device must be completely made of stainless steel 2. Sterilization basket made of stainless-steel material inside the device 3. The volume used in the device should be at least 50-60liters 5. The device should be able to perform fully automatic, pre-vacuum, steam filling, sterilization, steam discharge and final vacuum operations automatically. 6. Cover seal on the device must be provided with silicone-based gasket 7. Should have a lockable cover system that does not open when there is pressure inside 8. Double-walled device, steam generator should be placed between walls 9. The water required for reinforcing the steam of the steam generator is located in tank</p>	01	21000

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	<p>and the water level in this tank should be observable</p> <p>10. The vacuum pump used in the device must be of liquid ring type</p> <p>11. Fresh air intake into the cell during the drying process must be provided via the HEPA filter</p> <p>The pressure gauges of the sterilization chamber separately and on the panel (preferable)</p> <p>13. Device should have PLC control system, sterilization temperature between 110 ° C and 140 ° C at 1 ° C intervals, sterilization time at intervals of 1 minute up to 99 minutes and final vacuum repeat number between 2 -9</p> <p>14. On the control panel of the device control 'must be warning system for open, overpressure, heater failure and low water level acid'</p> <p>15. In case the electricity is cut off again during the sterilization phase: If the temperature of the cabin is within ± 1 ° C limits, it should continue its operation and if the alarm exceeds the limits, it should warn the power failure visually and audibly.</p> <p>16. The device must have both electrical (heater-stopping), mechanical(overpressure) safety system and safety valve against pressure</p> <p>Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE/ JIS/ FDA/ MHLW Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end..</p>		
36.	<p>Sterile Services System</p> <p>a) Steam Sterilizer Double Door 350L/4 STU (1 unit)</p> <p>b) Washer Disinfector Double Door 320L/8 DIN (1 unit)</p> <p>c) Low Temp Plasma Sterilizer Single Door 100L (1 unit)</p> <p>d) Rotary Sealer (1 unit)</p> <p>e) Roll Dispenser Cutter (1 unit)</p> <p>f) Receiving Table SS (1 unit)</p> <p>g) Washing Station SS, Double Sink (1 unit)</p> <p>h) Pass-Thru Window SS (2 unit)</p> <p>i) Linen Inspection Table SS (1 unit)</p> <p>j) Sorting Table SS (1 unit)</p> <p>k) Packing Table SS (1 unit)</p> <p>l) RO Plant 1500GPD (1 unit)</p> <p>m) Air Compressor (1 unit)</p> <p>n) Other Supporting Items, etc.</p>	01	1000000
37.	<p>Mobile Procedure Light</p> <p>Input voltage: 220-240VAC, 50/60Hz. International ratings LED Driver with High Power Factor are installed as standard. 50,000 hrs. life span, low luminous decay</p> <p>Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone). Warranty 03 year from the date of installation</p>	02	10000
38.	<p>POP Cutter</p> <p>Specification:</p> <p>Feature: Reusable Maximum Swing Range: Higher or Equal to 5 Degree No-Load Speed: 12000r/Min or Better.</p> <p>Rise in Temperature: Lower Than 25 Centigrade Weight: 1.5 kg or better.</p> <p>Power Voltage: 220V/50Hz</p> <p>Type: Electric Plaster Cutting Saw.</p> <p>Country of Origin: UK, USA, Europe, Japan or equivalent. or equivalent</p>	03	30000

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Signature

Should be: ISO-13485 (Mandatory) & CE MDD, JIS, FDA, MHLW (Any One).
Warranty: Warranty period shall be of three years starting from date of satisfactory installation of equipment to the consignee end

39.

ELECTRO HYDRAULLIC OT TABLE

01

145000

Specification:

Should have following positions

Back Raise, Leg Raise, Hi-Low Adjustment, Trendelenburg, Reverse Trendelenburg and Lateral Tilting and with X-ray Radiolucent Backrest

Movements:

- Back Raise: +60° / -40° or more
- Head Section: +45° / -90° or more
- Hi-low adjustment from 680 mm to 1020 mm or more
- Hi-low Range: 320 mm or more
- Leg Section: +18° / -90° / 110° (towards) or more
- Trendelenburg/Reverse Trendelenburg: ± 25° or more
- Lateral Tilt: ± 25° or more
- Manual Zero Position

Dimensions should be:

- Table Top Length 2000 mm or more
- Table Top Width 500 mm or more
- Table Top Height 680 mm to 1020 mm or more

Controls:

- Should have Hand Held Controller
- Should have standby Built in Controller to Operate the table for various movement

Drive System:

- Drive system should be Electro-Hydraulic which should be quiet, slow & smooth

Interchangeable Head Section Base/Foot Section Base Position:

- Should be interchangeable head section base/foot section base position (as a rotatory system)

X-ray Imaging:

- Should have x-ray imaging facility
- Cassette should be inserted from the head end or the foot end

Mattress Base:

- Acrylic Resin (High Transparency)
- Easy and quick cleaning.

Base Frame:

- Stainless Steel

Castor:

- 01 swivel, 02 fix

Mattress:

- Urethane Foam

Safety Stopper

- Table base should be fix manually to the floor

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Signature

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Safe working load

- Safe working load should have 240 KG or more.

Standard Accessories:

- Anesthetic Scree (L-Shape) (1pc)
- Mattress (1set)
- Aram Rest with Pad (1set)

Country of Origin: UK, USA, Europe, Japan or equivalent.

Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW

(Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate.

Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end..

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SECTION B
Supply of Hospital & General Furniture Items

Technical Evaluation Criteria for Section "B" Maximum Allocable Marks Score 70% to Qualify

Check List (Mandatory Documents)

If any bidder failed to submit any of the following documents, the same shall be disqualified.

Sr. No.	DOCUMENT DESCRIPTION	YES / NO	PAGE #
1	Tender Purchase Receipt (Original)/Pay order		
2	Bid Security (2%) Copy with value hidden in Technical Proposal; Original in Financial)		
3	Technical Proposal on Bidder's Letterhead		
4	Compliance sheet on letter head		
5	Undertaking (as per sample form)		
6	Income Tax & GST Registration Certificate		
7	Valid Professional Tax Certificate		
8	FBR Income Tax Returns (last 3 years)		
9	Audited Financial Statement (last 3year)		
10	Factory / Workshop Details (duly equipped)		
11	Valid Authorization Letter from Manufacturer in reference to this particular tender.		
12	Catalogue / Brochures / Drawing		
13	ISO 9001 of Bidders / Manufacturer (where applicable) (website link must be provided for verification)		

Note:

- All pages of the bid, except for un-amended printed literature, shall be initialed by the Bidder.
- Documents must be submitted in binding, with filled Table of Content, Page Numbering and tagging wherever required.

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EVALUATION / QUALIFICATION

The procuring agency reserves the right to evaluate and compare the bids on itemized basis OR on the basis of a group of similar nature goods OR goods compatible with each other.
The following merit point system for weighing evaluation factors/criteria will be applied for technical proposals.

1.2 Bidders achieving minimum 70 % marks will be considered only for further process.
Documentary evidence must be attached in support of each parameter.

1.3 Any Bid not meeting the mandatory requirements of evaluation criteria will be disqualified /rejected straight away and will not be considered for further evaluation.

S#	PARAMETERS / SUB-PARAMETERS	Total Marks
1	Conformity to the Purchaser's Specifications / Sample Examination	50
1.1	Fully compliance with the required specifications / Sample	50
1.2	Compliant with minor deviation (up to 10% subject to main function is not affected)	40
1.3	Non-compliance from the statement of required specifications	Disqualify
2	Last three Years' Experience of five Public Sector Tertiary Care Hospitals(2 Marks of each)	10
3	Last three Years' Experience of five Private Sector Tertiary Care Hospitals(2 Marks of each)	10
4	Average Annual Turnover during last three (03) financial years Duly verified from FBR Tax Returns	10
4.1	More than 500 (M)	10
4.2	More than 300 (M) to 400 (M)	08
4.3	More than 200(M) to 300 (M)	06
4.4	More than 100 (M) to 200 (M)	04
5	Manufacturer's Authorization	10
5.1	Itself Manufacturer (Attached valid ISO 9001 / 13485) (Attached FBR status showing Manufacturer In NTN verification)	10
5.2	Valid Authorization of Manufacturer of goods (Attached valid authorization from manufacturer).	05
6	Delivery Schedule at consignees end	10
6.1	Within 20 days	10
6.2	Within 30 days	08
6.3	Within 45 days	06
	TOTAL MARKS	100

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Amir

BIDDER EVALUATION CRITERIA

Bid found to be responsive with maximum accumulative points (Technical + Financial) shall be accepted as the **most advantageous bid** as per SPPR, 2010 (Amended 2021).

Bids will be evaluated on the basis of following evaluation criteria.

A. TECHNICAL EVALUATION

- i) Technical evaluation has 70% weightage
- ii) Bids will be evaluated on a Bidder's capacity and capability to undertake supplies and on quoted item quality, performance and conformity to the required specifications.
- iii) Technical capacity of a bidder includes availability of workshop, tools, technical staff, number of installation and experience in the province of Sindh for prompt services to Past performance of the bidder at **Office of the Medical Superintendent GMMMC Hospital Sukkur.** will also be reviewed.
- iv) A bidder must achieve a minimum of 70 points out of total 100 points in technical evaluation, to be considered for financial evaluation.

B. FINANCIAL EVALUATION

- i) Financial evaluation has 30% weightage.
- ii) Only financial proposal of bidders with responsive technical proposal will be opened. Financial proposal of bidders who do not meet required mandatory documents and minimum 70 points out of total 100 points in technical evaluation will be returned unopened.
- iii) Bidder who has offered the lowest value for the item will get 30 points.
- iv) All remaining bidders after the lowest shall get points on their financial proposal, calculated as per the following formula.

$$\frac{\text{Value of lowest bidder}}{\text{Value of higher bidder [2nd, 3rd, 4th, etc.]}} \times 30$$

C. FINAL BID EVALUATION

- i) Points obtained by bidders in technical and financial evaluation shall be prorated and finalized as follows.

Evaluation	Weightage
Technical	70%
Financial	30%
Total	100%

Bid of a bidder who is found technically responsive with highest accumulated points will be considered as the most advantageous bid.

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SECTION B

Supply of Hospital & General Furniture

S. No	Name of items	QTY	FIXED BID SECURITY
1.	<p>3-Seats Steel Waiting Bench Specification</p> <p>Design & Features</p> <ul style="list-style-type: none"> • Ergonomic Seat Shape: Contoured or perforated design for ventilation and comfort. • Backrest: Included in most models for support; can be solid steel or perforated. • Armrests: Optional or integrated, usually at ends of bench. • Feet/Glides: Anti-slip feet protect floors and improve stability. • Assembly: Usually supplied with bolts; some models are knock-down (easy to install). <p>Capacity & Load</p> <ul style="list-style-type: none"> • Seating Capacity: 3 adults. • Load Rating: Often ~330 lbs (≈ 150 kg) per seat or total ~360–500 kg or better. <p>Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end</p>	10	150000
2.	<p>Anesthetist Stool Specification:</p> <p>An Anesthetist Stool is a medical seating device designed to support anesthesiologists or clinicians during procedures requiring prolonged seated work. It's commonly used in operating rooms, recovery areas, ICU, and procedural areas.</p> <p>Seat & Upholstery</p> <ul style="list-style-type: none"> • Seat Size: Typical seat diameter or width ~ 14 in (≈ 35 cm) (round or square) on many models. • Upholstery: Cushioned, easy-clean, latex-free vinyl or medical grade fabric; may meet flame/safety standards such as TB-117. • Seat Shape: Round or square options or better <p>Backrest (Optional)</p> <p>Backrest: Some versions include an upholstered spring backrest for lumbar support; others are without backrest for mobility.</p> <p>Height Adjustment</p>	02	2000

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	<ul style="list-style-type: none"> • Adjustment Type: Manual screw shaft or gas-lift / pneumatic height adjustment depending on design. • Typical Height Range: <ul style="list-style-type: none"> ○ 22¼" to 34½" (≈ 58 cm to 88 cm) on screw-adjust models. ○ Gas-lift versions often adjust ergonomically (e.g., ~45–60 cm). <p>Material & Finish</p> <ul style="list-style-type: none"> • Frame Material: Durable stainless steel or coated metal construction appropriate for sterilizable environments. • Casters: Non-marking medical-grade castors for smooth, quiet movement. <p>Or Equivalent: Country of Origin: IMPORTED. Should Be: ISO Approved Or CE Marked. Warranty: Should be Standard 03 Years Warranty consignee end</p>		
3.	<p>Examination Couch Specification Dimensions: 72" x 24" x 28"</p> <ul style="list-style-type: none"> • Body frame made up of 165WG 14" MS round pipe • Welded base for stable operation • Backrest adjustable, with range up 40° to 50° and down 10° to 15° with friction clutch lever • Lying area 3" thick in two parts upholstered with foam & Rexene • PVC boots on feet for grip and noiseless operation <p>~ Electrostatic epoxy powder coated paint finish</p> <p>Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end</p>	08	112000
4.	<p>Laboratory Table with Under-Top and Wall-Mounted Cabinets, PP Sink, Faucet & Electrical Panel Specification Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end</p>	01	12000
5.	<p>Mayo Stand SS Specification Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end</p>	02	4500
6.	<p>Office Table (Doctor) Specification Doctor Office Table is designed for clinical consultation, documentation, and computer use, providing a durable, ergonomic, and professional workspace for medical practitioners.</p>	08	8000

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Amir

	<p>Dimensions (Approximate)</p> <ul style="list-style-type: none"> Length: 1400 – 1600 mm Width (Depth): 700 – 750 mm Height: 740 – 760 mm <p>Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years.Warranty consignee end</p>		
7.	<p>Patient Stretcher Specification Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end</p>	14	45500
8.	<p>Revolving Chair, Medium Back (Doctor) Specification Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end</p>	08	8000
9.	<p>Surgical Scrub Station SS, 2 person Specification Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end</p>	01	15000
10.	<p>Swab Hanger SS Specification Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end</p>	02	5000
11.	<p>Visitor Chair Specification Type</p> <ul style="list-style-type: none"> Visitor / Guest Chair (Fixed, non-revolving) <p>2. Frame</p> <ul style="list-style-type: none"> Heavy-duty MS (Mild Steel) or CRCA steel frame Powder-coated finish (rust-resistant) Color: Black / Grey (or as approved by purchaser) <p>3. Seat & Backrest</p> <ul style="list-style-type: none"> Upholstered seat and back with high-density foam (minimum 32–40 density) Upholstery material: Leatherette / Fabric (fire-retardant preferred for hospital use) <p>4. Armrests</p> <ul style="list-style-type: none"> Fixed armrests <p>Material: Metal frame with polypropylene (PP) or padded arm support</p> <p>5. Legs / Base</p> <ul style="list-style-type: none"> Four-legged structure or better 	30	18000

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	<ul style="list-style-type: none"> • Anti-skid PVC/rubber bushes fitted on legs <p>6. Load Capacity</p> <ul style="list-style-type: none"> • Minimum load bearing capacity: 120–150 kg <p>7. Dimensions (Approx.)</p> <ul style="list-style-type: none"> • Seat Height: 17–18 inches • Seat Width: 18–20 inches • Overall Height: 32–36 inches <p>8. Comfort & Ergonomics</p> <ul style="list-style-type: none"> • Ergonomically designed backrest • Smooth edges and corners (safe for hospital environment) <p>9. Finish & Quality</p> <ul style="list-style-type: none"> • Neat welding joints • Scratch-resistant coating • Easy to clean and maintain <p>10. Warranty</p> <ul style="list-style-type: none"> • Minimum 03 years warranty against manufacturing defects <p>11. Compliance</p> <ul style="list-style-type: none"> • ISO-certified manufacturer preferred • Product must be brand new and unused <p>Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end</p>		
12.	<p>Clinical Examination Trolley</p> <p><u>Specifications:</u></p> <ul style="list-style-type: none"> - Dimensions: 72" x 24" x 28" - Body frame made up of 16SWG 1¼" MS round pipe - Welded base for stable operation - Backrest adjustable, with range up 40° to 50° and down 10° to 15° with friction clutch lever - Lying area 3" thick in two parts upholstered with foam & Rexene - PVC boots on feet for grip and noiseless operation - Electrostatic epoxy powder coated paint finish - OR Equivalent <p>Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone). Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.</p>	10	32500
13.	<p>Dressing Table SS</p> <p>Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)</p>	02	11200
14.	<p>Dressing Trolley SS, with Bucket & Bowl</p> <p><u>Specification:</u> Movable dressing trolley, with two flat non-removable shelves/trays Heavy carriage mounted on 4 swivel castors, of which two with brake Transfer bars connect all lower distal portions of the 4 bases, providing maximal structural strength Shelves have smooth finishing allowing for easy cleaning.</p>	03	7200

Prepared/Reviewed by following members of Technical Committee (Machinery Equipment / Furniture etc):

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- Qazi Muhammad Amir, Bio-medical Technician, Elector-medical Workshop. _____
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- Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____

	<p>Top shelf of 1mm 304 SS sheet provided with guard all around and two drawers of 1mm 304 SS sheet under top shelf</p> <p>Lower shelf 1mm 304 SS sheet is fully flat surface and fixed to the table frame right above the swivel castors</p> <p>One basin bowl and provision with upper shelf</p> <p>Bucket and bucket provision fitted with lower shelf</p> <p>Trolley frame made of 18SWG 304 SS round pipe</p> <p>Dimension: 18 x 27 x 31 (inches)</p> <p>Castors: 2" (imported)</p> <p>Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone).</p> <p>Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.</p>		
15.	<p>Instrument Trolley SS Small</p> <p>Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)</p>	05	7000
16.	<p>Bowl Stand SS Double</p> <p>Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)</p>	02	2000
17.	<p>Instrument Cabinet, Glass Doors</p> <p>Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)</p>	03	8000
18.	<p>Office Table</p> <p>Standard size complete in laminate finish with MDF with PVC Lopping on Italian Edges.</p> <p>Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone).</p>	07	7700
19.	<p>Revolving Chair, Low Back</p> <p>Extra torsion adjustment control, Fixed position angle control system at any desired position, adjustable seat height-hydraulic gas lifts type and swivel. Sleek and stylish polypropylene armrest. Guaranteed PU Molty Excel Molded Foam (Car Seat Foam) seat and back rest. High frequency compression process on multi-layered veneer shell, anatomically designed for posture support. Flexibility in choice of upholstery fabric, leatherette. 5 prongs pressure die-cast Nylon with reinforced fiber glass base for added seating support. Twin wheel castors.</p> <p>Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001</p> <p>Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.</p>	06	6000
20.	<p>Office Table (Nursing)</p> <p>Standard size complete in laminate finish with MDF with PVC Lopping on Italian Edges.</p> <p>Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone).</p>	02	2200
21.	<p>3-Seater Steel Waiting Bench</p> <p>Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)</p>	18	13500
22.	<p>Wheel Chair, Fixed</p> <p>Specification:</p> <p>Dimensions: 32" x 28" x 20"</p> <p>Main frame constructed from 16SWG MS round pipe Seat and back upholstered with foam & Rexene</p>	10	14000

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Signature

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	<p>Arm rest of plastic Rear wheel of 8" non-swivel type Front wheel of 5" swivel type Rubber bumpers on chair sides Holder for IV pole on one side Utility basket underneath Tilting paddles at back, push handle Foldable foot rest of round stainless steel pipe Electrostatic epoxy powder coated steel finish Or Equivalent Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end</p>		
23.	<p>Patient Stool, SS Top Specification: Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end</p>	14	10000
24.	<p>Steel Rack, Adjustable Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)</p>	08	18000
25.	<p>Steel Cabinet Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)</p>	06	6000
26.	<p>Office chair Wooden with cushion, back & arm rest. Mattress molty or equivalent and she sham or equivalent. Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone).</p>	16	9600
27.	<p>Counter for Store Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)</p>	01	750
28.	<p>Loading trolley Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)</p>	01	1250
29.	<p>Meeting Table (10 person) Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)</p>	01	5000
30.	<p>Revolving Chair, Medium Back Extra torsion adjustment control, Fixed position angle control system at any desired position, adjustable seat height-hydraulic gas lifts type and swivel. Sleek and stylish polypropylene armrest. Guaranteed PU Molty Excel Molded Foam (Car Seat Foam) seat and back rest. High frequency compression process on multi-layered veneer shell, anatomically designed for posture support. Flexibility in choice of upholstery fabric, leatherette. 5 prongs pressure die-cast Nylon with reinforced fiber glass base for added seating support. Twin wheel castors. Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.</p>	28	42000
31.	<p>Executive Visitor Chair Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)</p>	68	68000

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	Conference Table (18 person) Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)	01	6000
33.	Patient Fowler Bed, 2 crank, SS panels, Side Rails with Orthopedic Traction Frame Specification: Dimensions: 78" x 36" x 22" Patient lying area in four sections Reinforced strips of 1 mm thick MS sheet platform Bed frame made of 16SWG MS tubular pipe Back rest and knee rest adjustable by two individual screw cranks Crank handles of stainless steel to be latched under foot end Chrome and wooden headboard and footboard detachable Headboard and footboard, lockable & easily removable with plastic bumpers Holders for mattress at four positions on bed Hooks for urine bag and NG bag at each side of the bed Mobile on 5" castors, two with swivel - type front lock at diagonal end Working load capacity: 150 Kg Phosphate treated all metal parts Electrostatic epoxy powdered coating finished Country of Origin: UK, USA, Europe, Japan or equivalent Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Any One). Warranty: Warranty period shall be of three years starting from date of satisfactory installation of equipment	02	12000
34.	Patient Fowler Bed, 2 crank, SS panels, Side Rails Specification: Dimensions: 78" x 36" x 22" Patient lying area in four sections Reinforced strips of 1 mm thick MS sheet platform Bed frame made of 16SWG MS tubular pipe Back rest and knee rest adjustable by two individual screw cranks Crank handles of stainless steel to be latched under foot end Chrome and wooden headboard and footboard detachable Headboard and footboard, lockable & easily removable with plastic bumpers Holders for mattress at four positions on bed Hooks for urine bag and NG bag at each side of the bed Mobile on 5" castors, two with swivel - type front lock at diagonal end Working load capacity: 150 Kg Phosphate treated all metal parts Electrostatic epoxy powdered coating finished Country of Origin: UK, USA, Europe, Japan or equivalent Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Any One). Warranty: Warranty period shall be of three years starting from date of satisfactory installation of equipment	38	140000
35.	Bedside Cabinet Specifications: Dimensions: 78" x 36" x 22" Patient lying area in two sections Reinforced 10 strips of 1mm thick MS sheet platform Bed frame made of 16SWG MS tubular pipe Back-rest adjustable by individual screw crank Crank handle to be latched under foot end Headboard and footboard of ABS fame with bakelite/HDF board	43	30000

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	<p>Headboard and footboard, lockable & easily removable Holders for mattress at four positions on the bed Hooks for urine bag and NG bag at each side of the bed Holder sockets for IV pole at diagonal ends of the bed Mobile on four imported 5" castors (imported), two with swivel-type lock at diagonal end Working load capacity: 150 Kg Electrostatic epoxy powder coated finish Foam Mattress 'A' Grade with Rexene Cover Dimensions: 78" x 36" x 4" 10 years warranty or more OR Equivalent Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485 (Mandatory), CE/JIS/ ISO-14001 (AnyTwo). Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end. Warranty: Should be Standard 03 Years Warranty consignee end</p>		
36.	<p>Over Bed Table Specification Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end</p>	40	19200
37.	<p>Attendant Bench Specification: Frame made of wild steel tubular pipe 1" Top fitted with wooden strips Quality Shish wood with polish Legs provided with longitudinal support bar Plastic rubber pads on legs ends All metal parts are powdered coating finished Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone). Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.</p>	40	12000
38.	<p>Drip Stand Specification: Outer Stainless steel 16SWG pipe, Stainless steel telescopic inner rod Four stainless steel hooks, Spring loaded for drop safety Heavy iron base, epoxy powdered coating finished Mobile on castors Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone). Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.</p>	43	11000
39.	<p>Foot Step Single Specification Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end</p>	40	6000

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Amir
 Medical Superintendent
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	Ceiling Rail Bed Curtain Specification Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end	40	18000
41.	Crash Cart Specification: 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 I.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 • 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). • Should be four castors with brakes. Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone). Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.	06	11700
42.	Staff Locker (6 compartment) Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)	01	1800
43.	Clean Linen Storage Trolley Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)	01	1140
44.	Instrument Tray SS Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)	06	540
45.	Bed Pan SS Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)	04	360
46.	Lab Revolving Stool, Cushion Top Specification Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end	03	1800
47.	Steel Cabinet, Glass Door Specification Imported/ Export Quality	01	1500

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	Should Be: ISO Approved Or CE Marked, Warranty: Should be Standard 03 Years Warranty		
48.	Staff Locker (4 compartment) Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)	02	2700
49.	Storage Rack Specification MS Heavy Duty Storage Racks required for Warehouse MS racks size 108" x 24" x 84" with 3 adjustable pallets maximum load capacity 1000kg (same as existing as warehouse racks or better) Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end	03	4200
50.	Dirty Linen Trolley with Lids SS (Double) Specification Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end	03	7500
51.	Foot Step SS Double Specification Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end	05	2500
52.	Foot Step SS Single Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone).	03	900
53.	Instrument Trolley SS Large Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone).	03	6000
54.	IV Stand SS Specification Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end	05	5000
55.	Instrument Cabinet SS, Glass Doors Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone).	03	13500
56.	Center Table central Tables frame made up of Talhi wood & top made of up formica & chipboard, wooden lipping with lacquer polish size: L 2.5' x W: 2' x H: 18", any other requirement as per instruction of P.A. Country of Origin: IMPORTED/ EXPORT QUALITY	03	3000
57.	2 Seater Sofa Specification:	08	12000

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	Made of Solid Sheesham wood structure with No.1 quality Molty Foam seat and back with good quality project fabric/Leatherette and fine polish work. Country of Origin: IMPORTED/ EXPORT QUALITY		
58.	Staff Locker (8 compartment) Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone).	02	9000
59.	Executive Table Table with a dimension of length 84"x width 42"x height 30", material Al-Noor lasani MDF lamination, on top leather writing pad, wood edges, storages drawer, file cabinet as per instruction of P.A. Country of Origin: IMPORTED/ EXPORT QUALITY.	03	11000
60.	Revolving Chair, High Back Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone).	03	5400
61.	Computer Table (PA) Width: 750mm, Depth: 400mm, Height: 750mm the table shall be supplied with steel members duly welded and rigidly fixed table top and provided with a slide able keyboard tray, modesty panel and footrest. Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone).	03	6750
62.	Revolving Chair, Low Back (PA) Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone).	03	3800
63.	Rostrum Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)	01	1250
64.	Seminar Chair Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)	50	75000
65.	Center Table (Stage) Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)	01	1250
66.	Executive Guest Chair Dimension: Width 27.25", Depth 30.5", back width 23", height 31.5" black leather, traditional big and tall design as per instruction of P.A Country of Origin: EXPORT QUALITY.	04	4000

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A. J. Talwar

Medical Superintendent
GMMMC Hospital Sukkur

SECTION C

Supply & Installation of Medical Instruments & Devices, IT Equipment And Miscellaneous Items
Technical Evaluation Criteria for Section "C" Maximum Allocable Marks Score 70% to Qualify

Document Check List (Mandatory Documents)

If any bidder failed to submit any of the following documents, the same shall be disqualified.

Sr. No.	DOCUMENT DESCRIPTION	YES / NO	PAGE #
1	Tender Purchase Receipt (Original)/Pay order		
2	Bid Security (2%) Copy with value hidden in Technical Proposal; Original in Financial		
3	Technical Proposal on Bidder's Letterhead		
4	Compliance sheet on letter head		
5	Undertaking (as per sample form)		
6	Income Tax & GST Registration Certificate		
7	Valid Professional Tax Certificate		
8	FBR Income Tax Returns (last 3 years)		
9	Audited Financial Statement (last 3 year)		
10	Factory / Workshop Details (duly equipped)		
11	Valid Authorization Letter from Manufacturer in reference to this particular tender.		
12	Catalogue / Brochures / Drawing		
13	ISO 9001 of Bidders / Manufacturer (where applicable) (website link must be provided for verification)		

Note:

- All pages of the bid, except for un-amended printed literature, shall be initialed by the Bidder.
- Documents must be submitted in binding, with filled Table of Content, Page Numbering and tagging wherever required.

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EVALUATION / QUALIFICATION

- The procuring agency reserves the right to evaluate and compare the bids on itemized basis OR on the basis of a group of similar nature goods OR goods compatible with each other.
- 1.2 The following merit point system for weighing evaluation factors/criteria will be applied for technical proposals.
 - 1.3 Bidders achieving minimum total **70% marks** will be considered to qualify. Documentary evidence must be attached in support of each parameter.
 - 1.4 Any Bid not meeting the mandatory requirements of evaluation criteria will be disqualified / rejected straight away and will not be considered for further evaluation.

A. PRODUCT EVALUATION

S#	PARAMETERS / SUB-PARAMETERS	Total Marks
1	Conformity to the Purchaser's Specifications (Mandatory)	40
1.1	Fully compliant with the required specifications	40
1.2	Compliant with minor deviation (up to 10% subject to main function is not affected)	30
1.3	Non-compliant to required specifications	Disqualify
2	Product Certification	15
2.1	USA Food & Drug Administration (USA-FDA) and European Community (CE) MDD and Japan Industrial Standard (JIS) / Japan Quality Assurance Organization (JQAO) / Certificate issued by Ministry of Health, Labor and Welfare Govt. of Japan	15
2.2	European Community (CE) MDD and Japan Industrial Standard (JIS) / Japan Quality Assurance Organization (JQAO) / Certificate issued by Ministry of Health, Labor and Welfare Govt. of Japan OR USA - Food and Drug Administration (USA-FDA) and European Community (CE)	12
2.3	USA - Food and Drug Administration (USA-FDA)	10
2.4	European Community (CE) MDD	08
2.5	Japan Industrial Standard (JIS)/Japan Quality Assurance Organization (JQAO)/ Certificate issued by Ministry of Health, Labor and Welfare Govt. of Japan	08
TOTAL MARKS PRODUCT EVALUATION (A)		55

B. BIDDER EVALUATION

S#	PARAMETERS / SUB-PARAMETERS	Total Marks
1	Manufacturer's Authorization	10
2	Delivery Schedule at consignee's end	10
2.1	Up to 40 days DDP	10
2.2	More than 40 days	00
3	Past Experience / Performance of Last 3 years	10
3.1	Last three Years' Experience of five Public Sector Tertiary Care Hospitals(1 Marks of each)	05
3.2	Last three Years' Experience of five Private Sector Tertiary Care Hospitals(1 Marks of each)	05

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S#	PARAMETERS / SUB-PARAMETERS	Total Marks
4	Average Annual Turnover during last three (03) financial years (Audited Statements of Accounts and Income Tax Return Forms must be attached as supporting documents)	10
4.1	Turn over below PKR 100 million	00
4.2	Turn over above PKR 100 million	04
4.3	Turn over above PKR 200 million	06
4.4	Turn over above PKR 300 million	08
4.5	Turn over above PKR 500 million	10
5	Replacement Warranty	05
5.1	Replacement Warranty for 1 year	05
	TOTAL MARKS BIDDER EVALUATION (B)	45
	GRAND TOTAL (A + B)	100

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**Medical Superintendent
GMMMC Hospital Sukkur**

BIDDER EVALUATION CRITERIA

Bid found to be responsive with maximum accumulative points (Technical + Financial) shall be accepted as the most advantageous bid as per SPPR, 2010 (Amended 2021).

Bids will be evaluated on the basis of following evaluation criteria.

A. TECHNICAL EVALUATION

- i) Technical evaluation has 70% weightage
- ii) Bids will be evaluated on a Bidder's capacity and capability to undertake supplies and on quoted item quality, performance and conformity to the required specifications.
- iii) Technical capacity of a bidder includes availability of workshop, tools, technical staff, number of installation and experience in the province of Sindh for prompt services to Karachi Division. Past performance of the bidder at **Medical Superintendent GMMMC Hospital Sukkur**..will also be reviewed.
- iv) A bidder must achieve a minimum of 70 points out of total 100 points in technical evaluation, to be considered for financial evaluation.

B. FINANCIAL EVALUATION

- i) Financial evaluation has 30% weightage.
- ii) Only financial proposal of bidders with responsive technical proposal will be opened. Financial proposal of bidders who do not meet required mandatory documents and minimum 70 points out of total 100 points in technical evaluation will be returned unopened.
- iii) Bidder who has offered the lowest value for the item will get 30 points.
- iv) All remaining bidders after the lowest shall get points on their financial proposal, calculated as per the following formula.

$$\frac{\text{Value of lowest bidder} \times 30}{\text{Value of higher bidder [2nd, 3rd, 4th, etc.]}}$$

C. FINAL BID EVALUATION

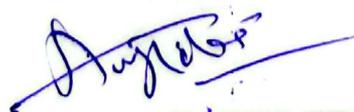
- i) Points obtained by bidders in technical and financial evaluation shall be prorated and finalized as follows.

Evaluation	Weightage
Technical	70%
Financial	30%
Total	100%

- ii) Bid of a bidder who is found technically responsive with highest accumulated points will be considered as the most advantageous bid.

Prepared/Reviewed by following members of Technical Committee (Machinery Equipment / Furniture etc):

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SECTION C

Supply & Installation of Medical Instruments & Devices, IT Equipment And Miscellaneous Items

S. No	Name of items	QTY	FIXED BID SECURITY
1.	<p>Door Air Curtain Specification Type: Door Mounted Air Curtain Application: Commercial / Hospital / Office Use Air Velocity: High velocity air flow suitable for effective air separation Air Flow Direction: Downward Motor: Heavy duty copper winding motor Blower Type: Centrifugal / Cross flow blower Noise Level: Low noise operation Power Supply: 220-240 V, 50 Hz, Single Phase Control: Manual switch / Remote control (if available) Body Material: Powder coated steel / Aluminum Finish: Corrosion resistant Mounting: Wall mounted above door Door Width Compatibility: As per door size requirement Function: Prevents dust, insects, fumes and hot air entry Operating Mode: Continuous duty Safety: Thermal overload protection Accessories: Mounting brackets and fixing hardware Imported Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 01 Year Warranty consignee end</p>	04	36000
2.	<p>Electric Insect Killer (20W) Specification</p> <ul style="list-style-type: none"> • Type: Electric Insect Killer • Power Consumption: 20 Watts • Application: Hospital / Office / Commercial / Residential use • Operating Principle: Ultraviolet (UV) light attraction with electric shock grid • UV Lamp: High efficiency UV fluorescent tube • Coverage Area: Suitable for medium size rooms • Body Material: Powder coated metal / fire-resistant ABS plastic • Finish: Corrosion resistant • Safety: Outer protective grill to prevent accidental human contact • Noise Level: Silent operation • Installation: Wall mounted / Hanging type • Power Supply: 220-240 V AC, 50 Hz • Energy Consumption: Low power consumption • Maintenance: Removable insect collection tray for easy cleaning • Operating Mode: Continuous duty • Accessories: Hanging chain / mounting hardware <p>Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 01 Year Warranty consignee end</p>	30	15000

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<p>Electric Kettle Specification</p> <ul style="list-style-type: none"> Type: Electric Kettle Capacity: 1.5 – 2.0 Liters Application: Office / Hospital / Commercial / Domestic use Power Consumption: 1500 – 2000 Watts Voltage: 220–240 V AC Frequency: 50 Hz Heating Element: Concealed stainless steel heating element Body Material: Stainless steel / Heat-resistant food-grade plastic Finish: Corrosion resistant Lid: Wide opening with safety locking lid Handle: Ergonomic, heat-resistant handle <p>Safety Features:</p> <ul style="list-style-type: none"> Automatic shut-off on boiling Dry boil protection Base: 360-degree cordless swivel base Indicator: Power ON/OFF indicator light Operation: Fast boiling, energy efficient <p>Cleaning: Easy to clean interior</p> <ul style="list-style-type: none"> Accessories: Detachable power base and power cord <p>Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 01 Year Warranty consignee end</p>	20	3000
<p>4. Electric Water Cooler 65 Gallon with 2 Taps</p> <p>Specification</p> <p>Type: Electric Water Cooler Capacity: 65 Gallon</p> <p>Number of Taps: 02 (Cold Water) Application: Hospital / Office / Commercial / Public use Cooling Capacity: Approx. 65 Gallons per hour</p> <p>Cooling System: High efficiency compressor-based cooling Refrigerant: Eco-friendly refrigerant Body Material: Stainless steel / Powder coated steel Finish: Corrosion resistant</p> <p>Tank Material: Food-grade stainless steel Insulation: High density PUF insulation Power Supply: 220–240 V AC Frequency: 50 Hz Power Consumption: Energy efficient operation Control: Automatic thermostat control Safety:</p> <ul style="list-style-type: none"> Overload protection 	04	10000

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	Leakage protection Installation: Floor standing type Drain: Built-in drain outlet for easy cleaning Noise Level: Low noise operation Operating Condition: Suitable for continuous duty Accessories: Standard electrical fittings and drain pipe Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end		
5.	Electronic Balance Specification Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end	01	450
6.	Foot Step Double Specification Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end	08	2400
7.	Floor Standing Air Conditioner 2 Ton (24000 BTU) with Fittings & Stabilizer Specification <ul style="list-style-type: none"> • Type: Floor-standing air conditioner with integrated air delivery from base-mounted unit • Capacity: 2 Ton / $\approx 24\ 000$ BTU/hr cooling capacity (nominal). Cooling & Heating (optional): Models may provide heat/cool function in addition to cooling (heat pump type). <ul style="list-style-type: none"> • Application: Suitable for medium to large indoor spaces such as offices, shops, living rooms, halls. 1.2 Refrigerant <ul style="list-style-type: none"> • Refrigerant Type: R-410A (more common for higher capacity) Electrical <ul style="list-style-type: none"> • Power Supply: 220–240 V AC, 50 Hz, single phase. • Auto Restart & Safety: Automatic restart after power failure and standard protections. Compressor & Performance <ul style="list-style-type: none"> • Compressor Type: Rotary or twin rotary compressor; inverter type preferred for energy efficiency. • Cooling Performance: Designed to deliver continuous cooling at 	02	25000

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full capacity in specified ambient conditions.

- **Airflow:** Multi-speed fan to ensure even air distribution from floor level.
- **Efficiency:** Vendor to specify energy efficiency ratio (EER) and/or seasonal efficiency rating (ISEER/SEER).

Indoor/Unit Features

- **Air Distribution:** Vertical airflow suitable for floor-mounted application.
- **Fan:** Multi-speed blower with adjustable louvers.
- **Controls:** Remote control with modes (Cool/Heat/Dry/Fan), timer, temperature settings.
- **Filters:** Washable dust filter; optional antibacterial or activated carbon filter (if required).
- **Display:** LCD panel (temperature/status display).

Outdoor Unit

- **Condenser Coil:** Copper condenser coils with anti-corrosion coating or equivalent.
- **Protective Coating:** Rust-resistant finish on outdoor components.
- **Noise Level:** Designed for minimized acoustic output.

Piping & Interconnection

- **Refrigerant Piping:** Insulated copper tubing sized per manufacturer recommendations.
- **Drain Piping:** Appropriate PVC drain line with insulation where required.
- **Interconnecting Control Cable:** Supplied for communication between indoor and outdoor units.

1) STANDARD FITTINGS & ACCESSORIES

Included with Supply

- Mounting brackets/supports for outdoor unit.
- Wall penetration sleeves and seals for piping.
- PVC drain piping.
- Wiring and interconnecting cable for indoor/outdoor units.
- Remote control with batteries.
- Basic installation hardware (screws, anchors, clips).

Installation

- Basic installation of indoor and outdoor units including placement, leveling, and securing.
- Standard piping length and drain run inclusive as per contract; extra length priced separately.

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3) VOLTAGE STABILIZER (EXTERNAL)

Purpose

Provide protection to the air conditioner against **voltage fluctuations**, ensuring stable operation and safeguarding electronic components.

Basic Requirements

- **Type:** Automatic voltage stabilizer (servo/AVR type recommended).
- **Capacity:** Minimum **5 kVA** recommended for a 2 Ton air conditioner depending on local power conditions and inrush current).
- **Input Voltage Range:** Wide input range (e.g., **130–280/300 V**).
- **Output Voltage:** Regulated **220–240 V**.
- **Protections:**
 - Over-voltage cut-off
 - Under-voltage protection
 - Thermal overload protection
 - Time-delay protection (prevents rapid on/off cycling)
- **Indicators:** Input/Output voltage display and fault status indicators.
- **Mounting:** Wall mount cabinet.

Imported/Export Quality

Should be: ISO Approved or CE Certified

2) **Warranty:** Should be Standard 03 Years Warranty consignee end

8.	Kick Bucket SS Specification Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end	02	1200
9.	Leg Traction Pulley Specification Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end	08	7000
10.	Microwave Oven Specification Capacity: 20 – 30 Liters or above Application: Hospital / Office / Commercial / Pantry use Power Supply: 220–240 V AC Frequency: 50 Hz Microwave Output Power: 700 – 1000 Watts Power Consumption: Energy efficient operation Control Type: Mechanical / Digital control panel Cooking	04	6000

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	<p>Functions: Reheat, defrost, cook Timer: Adjustable cooking timer with auto shut-off Cavity Material: Stainless steel / Enamel coated cavity Door Type: Transparent glass door with safety lock</p> <p>Safety Features: Door interlock system Overheat protection Turntable: Glass turntable with roller ring Noise Level: Low noise operation Installation: Countertop / Tabletop type Finish: Easy to clean, corrosion resistant Accessories: Glass tray and roller ring Imported/Export Quality</p> <p>Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end</p>		
11.	<p>Oxygen Cylinder 240 CFT Specification:</p> <ul style="list-style-type: none"> • Cylinder 240 CFT. • BOC Tested. • Brand New. • With Flow meter. Country of Origin: IMPORTED. <p>Should Be: ISO Approved Or CE Marked: Warranty: Should be Standard 02 Years Warranty</p>	08	18000
12.	<p>Wall Mount Split Air Conditioner 1 Ton (12000 BTU) with Fittings & Stabilizer Specification</p> <p>Cooling Capacity: 12000 BTU/hr Compressor: High efficiency rotary / inverter type (as applicable) Refrigerant: Eco-friendly refrigerant (R-410A / R-32 or equivalent) Power Supply: 220-240 V AC Frequency: 50 Hz Energy Efficiency: Energy efficient operation Indoor Unit: Low noise operation with washable air filters Outdoor Unit: Weather-resistant casing Air Flow: Uniform and powerful air distribution Control: Remote control with multiple operating modes Operating Modes: Cool / Fan / Dry / Auto Stabilizer: Compatible voltage stabilizer included Fittings Included:</p>	10	67500

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	<p>Copper piping (standard length) Insulation material Drain pipe Electrical wiring</p> <p>Wall mounting brackets Installation: Complete installation with testing and commissioning Noise Level: Low noise operation</p> <p>Protection: Overload and voltage fluctuation protection Finish: Corrosion resistant coating</p> <p>Imported/Export Quality Should be: ISO Approved or CE Certified Warranty: Should be Standard 03 Years Warranty consignee end</p>		
13.	<p>Wall Mount Split Air Conditioner 1.5 Ton (18000 BTU) with Fittings & Stabilizer Specification</p> <p>Cooling Capacity: 18000 BTU/hr Compressor: High efficiency rotary / inverter type (as applicable) Refrigerant: Eco- friendly refrigerant (R-410A / R-32 or equivalent) Power Supply: 220-240 V AC Frequency: 50 Hz</p> <p>Energy Efficiency: Energy efficient operation</p> <p>Indoor Unit: Low noise operation with washable air filters</p> <p>Outdoor Unit: Weather-resistant casing with anti-corrosion coating Air Flow: Powerful and uniform air distribution</p> <p>Control: Remote control with LCD display Operating Modes: Cool / Fan / Dry / Auto Stabilizer: Compatible voltage stabilizer included Fittings</p> <p>Included: Copper piping (standard length) Thermal insulation Drain pipe Electrical wiring</p> <p>Wall mounting brackets</p> <p>Installation: Complete installation with testing and commissioning Noise Level: Low noise operation</p> <p>Protection: Overload protection and voltage fluctuation protection Finish:</p>	18	153000

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Corrosion-resistant finish

Imported/Export Quality

Should be: ISO Approved or CE Certified

Warranty: Should be Standard 03 Years Warranty consignee end

14. Wall Mount Split Air Conditioner 2 Ton (24000 BTU) with Fittings & Stabilizer

06

60000

Specification

Type: Wall-mounted split air conditioner with separate indoor and outdoor units.

- **Cooling Capacity:** 2 Ton ($\approx 24\ 000$ BTU/hr) ($\pm 10\%$).
- **Refrigerant:** R-32 or R-410A (environment-friendly type to be specified).
- **Operation:** Cooling mode (and optional heating if heat pump model).
- **Application:** Residential, office, or light commercial cooling.

Electrical

- **Voltage:** 220-240 V AC, Single-Phase, 50 Hz (typical supply).
- **Power Consumption:** Manufacturer specified (for tender, vendor to provide exact W).
- **Phase:** Single phase.

Compressor & Performance

- **Compressor Type:** Rotary / Inverter compressor (better efficiency if inverter).
- **Auto Restart:** Yes.
- **High/Low-pressure protection:** Yes.

Indoor Unit

- **Mounting:** Wall mount.
- **Airflow:** Multi-speed blower.
- **Filters:** Washable anti-dust filter.
- **Controls:** Remote control with temperature settings, timer, modes.
- **Auto Swing:** Vertical swing for uniform cooling.

Outdoor Unit

- **Condenser Coil:** Copper tube or equivalent with anti-corrosion coating.
- **Noise:** Design to minimize operational noise.
- **Weather Resistance:** Suitable for local climatic conditions.

Interconnecting Piping & Fittings

- **Refrigerant Piping:** Insulated copper tubing (gas & liquid lines) of standard size (e.g., 5/8" & 3/8" or as per manufacturer).
- **Drain Piping:** PVC drain line with insulation where required.
- **Electrical/Control Cables:** Interconnecting cables between indoor and outdoor units.

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Installation Kit: Standard mounting brackets, screws, clips, and supports.

Performance & Efficiency

- **Rated Cooling:** ~24 000 BTU/hr.
- **Energy Efficiency:** Vendor to provide star rating or ISEER/SEER values.
- **Operating Ambient Range:** Suitable for ambient temperatures typical for region.

2) VOLTAGE STABILIZER (EXTERNAL)

Purpose

To protect the AC compressor and electronics from voltage fluctuations and ensure stable operation.

Basic Requirements

- **Type:** Automatic voltage stabilizer (AVR/servo controlled recommended).
- **Capacity:** Minimum 5 kVA suitable for a 2-Ton AC load (vendor to confirm based on local power conditions).
- **Input Voltage Range:** Wide range (e.g., 130 V–280/300 V).
- **Output Voltage:** Stabilized 220–240 V.
- **Protections:**
 - Over-voltage cut-off
 - Under-voltage protection
 - Thermal overload protection
 - Time-delay feature
- **Indicators:** Input/Output voltage display and fault indicators.
- **Mounting:** Wall mount type.

3) INSTALLATION & ACCESSORIES (BASIC INCLUSIONS)

Included

- Indoor and outdoor units mounted and aligned.
- Copper refrigerant tubing up to standard length (e.g., 3–5 m depending on site).
- Insulated drain pipe.
- Wall brackets/supports for outdoor unit.
- Remote control with batteries.
- Basic wiring between indoor/outdoor units.
- Standard fittings and installation hardware

Imported/Export Quality

Should be: ISO Approved or CE Certified

Warranty: Should be Standard 03 Years Warranty consignee end

15.	Water Dispenser 16 Liter Specification Supply a freestanding water dispenser with 16 litre capacity designed to provide hot, cold, and ambient drinking water for home, office, or institutional use. The	12	16800
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unit shall be robust, energy-efficient, and safe for potable water applications.

2) CAPACITY

- **Total Cabinet/Storage Capacity: 16 Litres** (typical model size) — includes combined hot, cold, and ambient tanks/cabinet volume.

3) TEMPERATURE & OUTPUT PERFORMANCE

- **Cold Water Temperature Range: ~5 – 12 °C** (depending on model) — chilled water output.
- **Hot Water Temperature Range: ~85 – 95 °C** (depending on model) — heated water output.
- **Cold Water Output Rate: ~1.5–2 L/hr** (typical)
- **Hot Water Output Rate: ~4–5 L/hr** (typical)

4) COOLING & HEATING SYSTEM

- **Cooling Method:** Compressor-based refrigeration system for rapid cooling (where applicable).
- **Heating System:** Electric heater with thermostat control.
- **Insulation:** Adequate insulation to maintain temperature and reduce energy loss.

5) ELECTRICAL SPECIFICATIONS

- **Power Supply:** 220 – 240 V AC, 50 Hz (typical).
- **Cooling Power Consumption:** ~90 – 110 W
- **Heating Power Consumption:** ~420 – 580 W
- **Indicators:** LED indicators for power, cooling, and heating status.

Imported/Export Quality

Should be: ISO Approved or CE Certified

Warranty: Should be Standard 03 Years Warranty consignee end

16. X-Ray Illuminator (2 Films View)

Body structure made of MS welded Box

Epoxy Powder Coating

Light Intensity: Uniform central point 3000 cd/m. square

Diffusion Panel Screen: A semi translucent white acrylic sheet 3mm thickness

SS made firm grip

SS Strips holds the film from top

Power cable

1.5m long power supply (220V/50Hz)

External Dimensions: 32" x 24" x 4" (L x H x D)

3600 to 4000 kelvin daylight fluorescent LEDs

Homogeneity of the illuminated surface ensure that all zones are adequately illuminated

Power On/Off Switch

An Acryl-glass front panel

Stainless Steel Film support bar (grip)

MS Powder coated metal rear box

15

6300

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	<p>Wall mounted aids at rear side Multiple films viewing capacity USA/ Europe / Japan Other countries accepted if CE, FDA, JIS, Approved (any two certifications) Warranty 03 year from the date of installation</p>		
17.	<p>Stethoscope Specifications:</p> <ul style="list-style-type: none"> • Dual Head Stethoscope for Adults • Lightweight aluminum chest piece construction • Non-chill bell and diaphragm rim for patient comfort • Diaphragm diameter 1 3/4", bell diameter 3/4" • Proprietary diaphragm enhances acoustic response by 50% over traditional designs • Adjustable aluminum binaurals with PVC ear tips • Flexible 21" PVC tubing • Included with spare pair of black mushroom ear tips <p>ISO 13485 FDA/CE/JIS APPROVED USA/EUROPE/JAPAN OR EQUIVALENT</p>	16	1600
18.	<p>Glucometer Country of Origin: IMPORTED Should be: ISO-13485, CE/ ISO-14001 (Anyone).</p>	8	600
19.	<p>Reflex Hammer Kit Country of Origin: IMPORTED Should be: ISO-13485, CE/ ISO-14001 (Anyone)</p>	8	1400
20.	<p>Height & Weight Scale Specification: Scale to have low level platform finished with non-slip cover, Measuring Dial to be fitted at waist height steel yard arm. Capacity: -0 kg -150kg or better. Fitted with imperial and metric height measuring rod. Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone). Warranty: 03 Years</p>	8	8000
21.	<p>Multimedia Projector Specification: Display Device DLP or LCD No. of Pixels 1024 x 768, Brightness (Typical) 4000 ANSI lumens or higher Color, Systems PAL / SECAM / NTSC 4.43 / PAL-M / N Computer Compatibility UXGA / WXGA / SXGA / XGA / SVGA / VGA / MAC analog Network Terminal (Optional) Wired / Wireless Weight 1-1.5 kg Projection Method Front, rear, ceiling Other Fall Ceiling Brackets, Casing, Documentation, any other Holding stand. IMPORTED/ EXPORT QUALITY. Should be: ISO/CE certified Warranty: Warranty period shall be of three years starting from date of satisfactory installation of equipment to the consignee end.</p>	3	44400
22.	<p>Laptop Core i5 Specification</p> <ul style="list-style-type: none"> • International Recognized Brands (Mandatory) • 12th Generation Intel Core i5 Intel HD graphics 620: 	2	20000

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[Signature]
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- Memory: 8 GB DDR4-2666 SDRAM
- Kingston SSD 512GB M.2
- Display: 17" HD
- DVD-Writer
- Webcam with integrated digital micro phone WiFi, Bluetooth, HDMI, USB 3.0
- Licensed Windows 10 Professional Edition (64bit)
- Battery Backup: Up to 8 hours and 30 minutes
- With 15.6" Shoulder Cross & Hands Laptop Bag or equivalent.
- Certifications: ISO 13485 (Mandatory), CE, ISO 9001.
- With 1 year Standard (Official Warranty) (And 2 Two Years Maintenance Warranty)

HP / Dell or Equivalent.

23. **Video Conference Camera System**

Country of Origin: IMPORTED
Should be: ISO-13485, CE/ ISO-14001 (Anyone).

1

4500

24. **UHD Android TV 55"**
Specification

- Display: 55" smart LED or better
- QLED display for vibrant colors
- 4K UHD resolution
- Android Smart TV with Google Assistant
- Dolby Audio

Certification: ISO 9001, 13485, Certified.
Manufacturer
CE marked/FDA approved

1

5400

25. **Online UPS System**
Specification:

- Capacity: 1000VA / 700W - 900W (depending on the 0.7 to 0.9 power factor).
 - Topology: Online Double Conversion (highest protection) or Line-Interactive.
 - Input Voltage: Usually 220V/230V/240V AC (range often 110-300V).
 - Output Waveform: Pure Sine Wave.
 - Efficiency: >85% to >95% (high efficiency).
 - Battery: Typically 2x 12V/7Ah or 12V/9Ah internal batteries.
 - Backup Time: ~5-15 minutes at full load (700W),
 - Transfer Time: 0 ms (Online) or 4-8 ms (Line-interactive).
 - Interface: LCD display, USB/RS-232 ports, optional SNMP card for management.
- Warranty: 1 Year On-site/Official Warranty extended up to 3 years
Should be: ISO/CE certified

3

6300

26. **Lift Pole Mobile**

Country of Origin: IMPORTED
Should be: ISO-13485, CE/ ISO-14001 (Anyone)

4

5500

27. **Reusable Resuscitator (Ambu) Adult**
Specifications:

Silicon Resuscitation Bag with adult and child face mask sizes 1,2,3,4 with E2 valve and fully autoclavable. Reservoir Bag volume 1700 ml or more.

2

1200

Prepared/Reviewed by following members of Technical Committee (Machinery Equipment / Furniture etc):

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- Majid Ali, Senior Equipment Engineer, NICH, KARACHI. _____
- Qazi Muhammad Amir, Bio-medical Technician, Elector-medical Workshop. _____
- Sunny Mohiuddin, Dy. Director (Procurement), Directorate of Pharmacy, Sindh, Kar. _____
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Medical Superintendent
GMMMC Hospital Sukkur

	<p>Oxygen Reservoir volume approximately 2500ml for adult and child Tidal maximum volume: approximately 1000ml for adult Resuscitation Bag to be manually operable and able to be connected to an oxygen source up to 100% for ventilation through a mask or an endotracheal tube. To be able to connect to an oxygen source up to 100%. Unit to be supplied with a carrying case Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone).</p>		
28.	<p>pH Meter Country of Origin: IMPORTED Should be: ISO-13485, CE/ ISO-14001 (Anyone)</p>	1	750
29.	<p>Electronic Balance Specification: Top loading balance Changeable Battery or the included AC adapter User Adjustable Settings: Capacity 400 gm Sensitivity 1mg Displayed Parameters: Digital display Set zero or calibration Accessories: Complete with standard and operation accessories; Spare Battery / AC adapter Operating Manual with a Soft Copy Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end..</p>	1	450
30.	<p>Glass wares Country of Origin: IMPORTED Should be: ISO-13485, CE/ ISO-14001 (Anyone)</p>	1	2250
31.	<p>Dressing Instruments Set SS Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone)</p>	22	9500
32.	<p>Hot Plate Country of Origin: IMPORTED Should be: ISO-13485, CE/ ISO-14001 (Anyone)</p>	1	4500
33.	<p>Distillation Unit Country of Origin: IMPORTED Should be: ISO-13485, CE/ ISO-14001 (Anyone)</p>	1	2700
34.	<p>Lab Accessories Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone).</p>	1	6000
35.	<p>Refrigerator, Glass Door, 400 Litre IMPORTED/ EXPORT QUALITY. Should be: ISO/CE certified</p>	1	3300

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[Signature]

Medical Superintendent
GMMMC Hospital Sukkur

	Desktop PC i5, LED Display 18.5", Black LaserJet Printer, 1200VA UPS, Wireless Keyboard & Mouse with Table Set. Specification: Processor: 14 th generation intel core i5 or higher processor Operating system: Microsoft windows 11 professional 64-bit OEM Pre-installed Memory: 16GB RAM or higher Storage: 512GB SSD Graphics: integrated GPU Keyboard / Mouse: wired USB keyboard / mouse Network: Gigabit Ethernet, Wi-Fi Ports: minimum 6 x USB ports, 1x HDMI Display: 21" full HD (1920 x 1080) LED display Casing: Mini-Tower casing • Warranty: 1 Year On-site/Official Warranty extended up to 3 years HP/ Dell / Lenovo or Equivalent.	6	17400
37.	Pneumatic Tourniquet Country of Origin: IMPORTED Should be: ISO-13485, CE/ ISO-14001 (Anyone)	1	6000
38.	Kick Bucket SS Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone).	3	1800
39.	Mayo Stand SS Country of Origin: IMPORTED Should be: ISO-13485, CE/ ISO-14001 (Anyone)	3	7000
40.	Swab Hanger SS Country of Origin: IMPORTED Should be: ISO-13485, CE/ ISO-14001 (Anyone)	2	5000
41.	Vascular Doppler Country of Origin: IMPORTED Should be: ISO-13485, CE/ ISO-14001 (Anyone)	1	3000
42.	Surgical Instrument Sets (As per list attached) Or Equivalent FDA/CE/JIS/ Approved Warranty period shall be of three years starting from date of installation of equipment to the consignee's end.	1	30000
43.	Surgical Scrub Station SS, 2 person Country of Origin: IMPORTED Should be: ISO-13485, CE/ ISO-14001 (Anyone)	1	15000
44.	Shoe Cover Machine Country of Origin: IMPORTED Should be: ISO-13485, CE/ ISO-14001 (Anyone)	1	10000
45.	Laryngoscope Set Specification: Size: 180 mm x 68 mm x 110 mm Weight: 200 g Power: 3.6V lithium battery pack (c. 250 minutes) Light Source: High-intensity LED Display: 2.5" LCD color display Camera: CMOS Material: Durable medical-grade thermoplastics with reinforced structural alloy core. The device and packaging are latex free. Warranty: 36 months Certificate: FDA Approved Codes: Specs 300-000-000 Handle 350-072-000 MC GRATH™ MAC blade size 1 340-000-000 Battery packs 250-minute.	1	3000

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- Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____

Amyt...
Medical Superintendent
GMMMC Hospital Sukkur

<p>Country of Origin: UK, USA, Europe, Japan or equivalent. Should be: ISO-13485 (Mandatory) & CE, JIS, FDA, MHLW (Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end..</p>		
46.	Wall Mount Pull Down Manual Screen Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone). Warranty: 03 Years	2250
47.	Sound System with Amplifier, Wireless & Podium Mic Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone). Warranty: 03 Years	20000
48.	Air Venturi with Suction Jar Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone). Warranty: 03 Years	12000
49.	Oxygen Concentrator Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone). Warranty: 03 Years	20000
50.	Oxygen Flow meter Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone). Warranty: 03 Years	45000
51.	Nitrous Oxide Cylinder 240 CFT Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone). Warranty: 03 Years	10000
52.	Oxygen Cylinder 240 CFT Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone). Warranty: 03 Years	18000
53.	Oxygen Cylinder 48 CFT Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone). Warranty: 03 Years	21000
54.	Garbage Bin 240 Litre Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone). Warranty: 03 Years	3200
55.	Garbage Bin 100 Litre Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone). Warranty: 03 Years	5000
56.	Trash Can 45 Litre Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone). Warranty: 03 Years	3000
57.	Trash Can 18 Litre Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone). Warranty: 03 Years	4000
58.	Double Bucket Mop Trolley Country of Origin: IMPORTED Should be: ISO-13485, CE/ ISO-14001 (Anyone)	5000

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Medical Superintendent
GMMMC Hospital Sukkur

HUMAN RESOURCE INCLUDING DETAIL OF TECHNICAL TEAM(FORM A)

S. #	Name	Designation	Posted Location	Date of Joining	Education	Trainings

Note: Supporting Documents must be provided for each employee.

CEO/Proprietor/Managing Director

Name: _____

Email Address: _____

Cell Phone: _____

Director/General Manager Services

Name: _____

Email Address: _____

Cell Phone: _____

Director/General Manager Sales

Name: _____

Email Address: _____

Cell Phone: _____

Technical Focal Person for this Project

Name: _____

Email Address: _____

Cell Phone: _____

Address: _____

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Medical Superintendent
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FINANCIAL EVALUATION SHEET(FORM E)

	Annual Turnover for the last 3 years Year (PKR)
Year 2024	
Year 2023	
Year 2022	

Financial Information in PKR	Year 2024	Year 2023	Year 2022
Total Assets (TA)			
Total Liabilities (TL)			
Current Assets (CA)			
Current Liabilities (CL)			
Total / Gross Revenue (TR)			
Profits Before Taxes (PBT)			
Net Profit			
Current Ratio			

Supporting Document	Yes / No	
Bank Statement	Year 2024	
	Year 2023	
	Year 2022	
Audited Accounts	Year 2024	
	Year 2023	
	Year 2022	
Bank Account Maintenance Certificate		

Prepared/Reviewed by following members of Technical Committee (Machinery Equipment / Furniture etc):

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- c. Qazi Muhammad Amir, Bio-medical Technician, Elector-medical Workshop. _____
- d. Sunny Mohiuddin, Dy. Director (Procurement), Directorate of Pharmacy, Sindh, Kar. _____
- e. Rajeevv Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____

(Handwritten Signature)

Medical Superintendent
GMMMC Hospital Sukkur

PERFORMANCE CERTIFICATE(FORM H)

[on bidder's letter head]

this is to certify that the institute is satisfied by the performance of the firm and equipment as detailed below.

Purchase Order No:
Make & Model no.:
Serial Number:
Quantity:
Name of the consignee:

,dated

The Firm has fulfilled his contractual obligation regarding the following services:
Satisfactory Installation, performance, and commissioning of equipment.
Furnishing detailed operation and maintenance manual for each equipment.
Training of the operators/users in operating the equipment to the satisfaction of the Institute.
Maintain up time of_%
Perform Preventative maintenance at ____ Interval during warranty/contract period
Provide Spare parts timely

Biomedical Engineering Department.

Name _____

Designation _____

Date _____

Signature with Stamp _____

Head of the Institute/Medical Director/Medical Superintendent

Name _____

Designation _____

Date _____

Signature with Stamp _____

Representative of the firm

Name _____

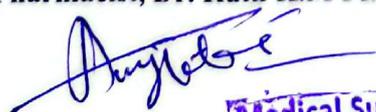
Designation _____

Date _____

Signature with Stamp _____

Prepared/Reviewed by following members of Technical Committee (Machinery Equipment / Furniture etc):

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Medical Superintendent
GMMMC Hospital Sukkur

BID LETTER FORM

From:
(Registered name and address of the bidder)To:
Medical Superintendent GMMMC Hospital Sukkur..Dear Sir / Madam,

Having examined the bidding document and amendment thereon we the undersigned, offer to provide services to the works including in conformity with the terms and conditions of the bidding document and amendments there on, for the following project in response to your tender call dated _____

Tender Title:

We undertake to provide services/execute the above project or it part assigned to us in conformity with the said bidding documents for an estimated sum of Rs. _____ (Rupees - _____) (total bid amount in words and figures) which may vary in accordance with the schedule of prices attached herewith and coverage options made by Drug Testing Laboratory Sindh or its user organization.

If our bid is accepted, we undertake to;

- 1) Provide services/execute the work according to the time schedule specified in the bid document,
- 2) Obtain the performance guarantee of bank in accordance with bid requirements for the due performance of the contract, and
- 3) Agree to abide by the bid conditions, including pre-bid meeting minutes if any, which remain binding upon us during the entire bid validity period and bid may be accepted any time before the expiration of that period.
- 4) We understand that you are not bound to accept the lowest or any bid you may receive, nor to give any reason for the rejection of any bid and that you will not defray any expenses incurred by us in bidding.

Place:
Date:

Bidder's signature
and seal.

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- e. Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____


Medical Superintendent
GMMMC Hospital Sukkur

CONTRACT FORM

THIS AGREEMENT made the Day of..... (year) Between the Procuring Agency (hereinafter "the Agency") of one part and(Name of Vendor) of(City and country of Vendor) (Hereinafter "the Supplier") of the other part:
 WHEREAS the is desirous that certain Supplies, as described in the bid document and briefly outlined below, should be provided by the Vendor.

Date of tender call:
Title of the project:
Brief outline of the work:

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS;

In this agreement words and expression shall have the same meanings as are respectively assigned to them in the bid document referred to.

The following document shall be deemed to form and be read and construed as part of this Contract, viz..

- 1) Bid document(s)
- 2) Pre-bid conference minutes if any,
- 3) Clarification on bid document issued if any,
- 4) **Medical Superintendent GMMMC Hospital Sukkur..**of award notification.

In case of conflict among documents mentioned above, the documents mentioned above in reverse order will prevail over other documents. In consideration of the payments to be made by the **Medical Superintendent GMMMC Hospital Sukkur.** to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the **Medical Superintendent GMMMC Hospital Sukkur.. (Tender Title.)** and to remedy defects therein conformity, in all respects, with the provisions of the contract.

The **Medical Superintendent GMMMC Hospital Sukkur..** 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.

Brief particulars of the services which shall be supplied/provided by the Supplier are as under:

Solutions, service or material	Quantity	Unit price	Amount	Remarks

IN WITNESS whereof the parties hereto have caused this Agreement executed the day and year above written.

Signed, sealed, delivered by _____ the (for the Procuring agency)
 Signed, sealed, delivered by _____ the (for the Supplier)

Prepared/Reviewed by following members of Technical Committee (Machinery Equipment / Furniture etc):

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Medical Superintendent
GMMMC Hospital Sukkur

**FORM OF PERFORMANCE SECURITY
(Bank Guarantee)**

Guarantee No.: _____

Executed on: _____

Expiry date: _____

[Letter by the Guarantor to the Employer]

Name of Guarantor (Bank) with complete address (Scheduled Bank in Pakistan):

Name of Principal (Contractor, Manufacturer, Supplier or any bidder) with complete address:

Penal Sum of Security (express in words and figures):

Letter of Acceptance No. _____ Dated: _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bidding Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the are e of the said Principal we, the Guarantor above named, are held and firmly bound unto the **Medical Superintendent GMMMC Hospital Sukkur..** (hereinafter called the Employer) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said Employer, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that whereas the Principal has accepted the Employer's above said Letter of Acceptance for _____ (Name of Contract) for the _____ (Name of Project).

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents- during the original terms of the said Documents and any extensions thereof that may be granted by the Employer, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Condition of Contract are fulfilled. Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall be received by us

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- e. Rajeevv Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____


**Medical Superintendent
GMMMC Hospital Sukkur**

within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

We, _____ (the Guarantor), waiving all objections and defenses under the Contract, do hereby irrevocably and independently guarantee to pay to the Employer without delay upon the Employer's first written demand without cavil or arguments and without requiring the Employer to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Employer's _____ written declaration that the Principal has refused or failed to perform the obligations under the Contract which payment will be effected by the Guarantor to Employer's designated Bank & Account Number.

PROVIDED ALSO THAT the Employer shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contractor has defaulted in fulfilling said obligations and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the Employer forthwith and without any reference to the Principal or any other person.

IN WITNESS WHEREOF, the above-bounden Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Witness:

1. _____
(Name, Title, Signature & Seal)

Guarantor (Bank)

Name: _____

Title: _____

Signature: _____

2. _____
(Name, Title, Signature & Seal)

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- b. Majid Ali, Senior Equipment Engineer, NICH, KARACHI. _____
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Medical Superintendent
GMMMC Hospital Sukkur

INTEGRITY PACT

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

Contract Number: NO. _____ Dated: _____
Contract Value: Rs. _____
Contract Title: _____

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

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

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

M/s. _____ accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to PA under any law, contract or other instrument, be voidable at the option of PA. Notwithstanding any rights and remedies exercised by PA in this regard, M/s. _____ agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by M/s. _____ as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from PA.

M/s. _____

Medical Superintendent GMMMC Hospital Sukkur..

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- Sunny Mohiuddin, Dy. Director (Procurement), Directorate of Pharmacy, Sindh, Kar. _____
- Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____

Ayub

Medical Superintendent
GMMMC Hospital Sukkur

Bid Form & Price Schedule

BID FORM

To:

Medical Superintendent GMMMC 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 goods specified in the said Bidding Documents for the sum of

[Total Bid Amount Rs. _____], [Bid Amount in words

only] or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this bid.

1. The free of cost / donation / discounts offered and the methodology for their application are:

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

3. If our bid is accepted, we shall obtain an unconditional guarantee of a bank in the sum of 5% of the Contract Price for the due performance of the Contract, in the form prescribed by the Procuring Agency.

4. We agree to the validity of this bid for 90 days from the date fixed for financial bid opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

5. Until a formal Contract is prepared and executed, this bid, together with the written acceptance thereof and notification of award, by the Procuring Agency, shall constitute a binding Contract between us.

6. We understand that you are not bound to accept the lowest or any bid you may receive.

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

(A) PRICE SCHEDULE IN PAK RUPEES delivered duty paid (DDP BASIS)

FOR GOODS OFFERED WITHIN THE PROCURING AGENCY'S COUNTRY

S#	Detailed Specification of Goods	Model/ Cat No.	Name of Manufacturer	Country of Origin	Port of Shipment	Quantity of Stores	Unit	Rate Per Unit	Total Price
1	2	2	4	5	6	7	8	9	10
Total Amount in Pak Rs.									

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d. Sunny Mohiuddin, Dy. Director (Procurement), Directorate of Pharmacy, Sindh, Kar. _____

e. Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

Port of Shipment and Country of origin of "MAJOR PART(S) OF THE EQUIPMENT" must be clearly reflected separately in the Technical and Financial bids. The "Origin" means the place where the "goods" are mined, grown, or

NOTE:

**(B) PRICE SCHEDULE IN FOREIGN CURRENCY
(CFR / CNF/ C&F / CPT BASIS)
FOR GOODS OFFERED FROM OUTSIDE THE PROCURING AGENCY'S
COUNTRY**

S #	Detailed Specificatio nof Goods	Model / Cat No	Name of Manufacturer	Country of Origin	Port of Shipment	Quantity of Stores	Unit	Curr- Enc y	Rate Per Unit	Total Price
1	2	2	4	5	6	7	8	9	10	11
Total Amount in Foreign Currency										

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

NOTE:

Port of Shipment and Country of origin of "MAJOR PART(S) OF THE EQUIPMENT" must be clearly reflected separately in the Technical and Financial bids. The "Origin" means the place where the "goods" are mined, grown, or

Prepared/Reviewed by following members of Technical Committee (Machinery Equipment / Furniture etc):

- a. S. Zamir Hussain Shah, Bio Medical Engineer, Dr. Ruth K.M.Pfau Civil Hosp. Kar. _____
- b. Majid Ali, Senior Equipment Engineer, NICH, KARACHI. _____
- c. Qazi Muhammad Amir, Bio-medical Technician, Elector-medical Workshop. _____
- d. Sunny Mohiuddin, Dy. Director (Procurement), Directorate of Pharmacy, Sindh, Kar. _____
- e. Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____


Medical Superintendent
GMMMC Hospital Sukkur

Schedule of Requirements

SCHEDULE OF REQUIREMENTS

The entire quantity of the ordered supplies shall be delivered in 16 weeks or earlier from the date of issuance of supply order / contract award without any penalty.

Delay in the delivery shall result in penalties to be paid by the Supplier without any argument or question according to the prevailing SPPRA Rules.

Prepared/Reviewed by following members of Technical Committee (Machinery Equipment / Furniture etc):

- a. S. Zamir Hussain Shah, Bio Medical Engineer, Dr. Ruth K.M. Pfau Civil Hosp. Kar. _____
- b. Majid Ali, Senior Equipment Engineer, NICH, KARACHI. _____
- c. Qazi Muhammad Amir, Bio-medical Technician, Elector-medical Workshop. _____
- d. Sunny Mohiuddin, Dy. Director (Procurement), Directorate of Pharmacy, Sindh, Kar. _____
- e. Rajeev Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____

Checked & approved by Expert Committee for Machinery Equipment:

i.	Dr. Shahid Pervez, Histopathologist, Aga Khan University Hospital Kyc.	
ii.	Dr. Binish Arif Sultan, Associate Professor & Head of Pathology Lab, JSMU, Karachi.	
iii.	Prof. Dr. Tariq Mehmood, Professor Emeritus, Radiation Oncology, Member of PAF, JPMC, Karachi.	
iv.	Dr. Syed Farjad Sultan, Associate Professor, Anaesthesia Department, DUHS / Civil Hospital Karachi.	S.F. Sultan
v.	Prof. Dr. Sajida Qureshi, Professor of Surgery, DUHS / Dr. Ruth K.M. Pfau Civil Hospital Karachi.	S. Qureshi
vi.	Prof. Dr. Syed Mahmood Hassan, Professor of Pathology, JSMU, Karachi.	Prof. Dr. Syed Mahmood Hassan
vii.	Dr. Shoaib Malik, Associate Professor, Anesthesia Department, JPMC Karachi.	Dr. Shoaib Malik

CONCURRED BY:


Professor Dr. Gulshan Ali Memon
Vice Chancellor, Peoples University of
Medical & Health Sciences for Women,
Nawabshah-Shaheed Benazirabad/
Member


Professor Dr. Ikram Din Ujjan
Vice Chancellor, Liaquat University
Medical & Health Sciences, Jamshoro./
Member



Professor Dr. Nusrat Shah
Vice Chancellor, Shaheed Mohtarma
Benazir Bhutto Medical University
Larkana / Member

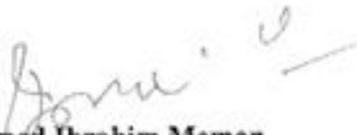


Dr. Ahson Qavi Siddiqi
CEO, Health Care Commission
Sindh/ Member



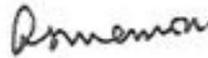
Prof. Dr. Sajida Qureshi
Professor of Surgery,
DUHS / Dr. Ruth K.M. Pfau
CHK./ Member

Special Secretary,
Chief Minister's Inspection, Enquiries &
Implementation Team Department,
Govt. of Sindh/ Member



Mr. Mohammed Ibrahim Memon
Additional Secretary (PM&I), Health
Department, Govt. of Sindh,
Member / Secretary

Additional Secretary (GA),
SGA&CD, Govt. of Sindh/
Member



Professor Dr. Amjad Siraj Memon
Vice Chancellor,
Jinnah Sindh Medical University/
Chairman