



ANNUAL PROCUREMENT PLAN MACHINERY FOR CONSTRUCTION OF NEW OPD BLOCK

FOR THE FINANCIAL YEAR 2025-26 & 2026-27

PEOPLES MEDICAL COLLEGE HOSPITAL NAWABSHAH SHAHEED BENAZIR ABAD



S.No	Description of Procurement	Required Quantity	Estimated total Cast	Source of Funds ADP/ Non ADP SNE	Proposes procurement Method	Time of Procurement /Tentative				Remarks/ Method E-bids through E-Pak Acquisition and Disposable System (EPADS)
						1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter	
1.	Procurement / Supply and Installation of Machinery /Equipment/ Instrument and Furniture & Fixture Construction Of (1) New OPD Block For Neuro Surgery, Neurology, General Surgery, Dental (2) Endoscopy Suite (3) Surgical & Medical ICU And (4) Operation Theater Complex At PMC Hospital Shaheed	as Per Required	400 million	ADP Scheme 909/2025-26	Single Stage two Envelop			✓	✓	

MEDICAL SUPERINTENDENT
Peoples Medical College Hospital Nawabshah
Shaheed Benazir Abad

آفيس آف دي ميديكل سپرنٽنڊنٽ

پيپلز ميديڪل ڪاليج اسپتال

شهيد بينظير آباد



NO.MS/PMCH/Procurement Store/-

Dated: 21.04.2026

ٽينڊر گھرائڻ جو نوٽيس

ميديڪل سپرنٽنڊنٽ، پيپلز ميديڪل ڪاليج اسپتال شهيد بينظير آباد پاران رول (2) 46 هڪ مرحلو، پر لڳاتار طريقڪار تحت مالي سال 26-2025 ۽ 27-2026 لاءِ ميديڪل ايڪويپمينٽ، مشينري، ميديڪل ڊيوائيسز، انسٽريومينٽس، فرنيچر، فڪسچر ۽ ٻين آئٽمز جي فراهمي لاءِ FBR/ SRB (انهن مان جيڪو به لاڳو هجي) جي فعال ٿيڻ لاءِ ڏنل آهي ته هي سيلائير/فرمن/مينوفڪچررز/اهيوزرز/آئورائيزڊ ڊسٽري بيوزرز کي E-Pak ايڪزيوشن اينڊ ڊسپوزيبل سسٽم (EPADS) ذريعي آڻي. ٻيڙ جي دعوت ڏني ش تفصيلي شرط ۽ ضابطن تي مشتمل واڪ دستاويز // <https://portalsindh.eprocure.gov.pk/#> تي ڏسي/تان ڄاڻون ٿوڙي سگهجن ٿا.

اسڪيم جو نالو	ADP نمبر	نمبر شمار
PMCH اسپتال شهيد بينظير آباد و (1) نيمر OPD بلاڪ براءِ نيمرو سرجري، نيمرو لاجي، جنرل سرجري، ڊينٽل (2) اينڊ اسڪوپي (3) سرجڪل ۽ ميڊيڪل ICU ۽ (4) آپريشن ٿيٽر ڪامپليڪس جي تعمير	1109	1

آپڊيٽو واڪ فقط EPADS ذريعي جمع ڪرائڻ گهرجن. دستور وارا واڪ وصول نه ڪيا ويندا خواهشمند واڪ ڏيندڙ آپڊيٽو واڪن جي جمع ڪرائڻ جي لاءِ EPAD سسٽم تي لنڪ <https://sindh.eprocure.gov.pk/#/supplier/registration> تي پهتڻ جي پاڻ کي رجسٽر ڪرائڻ گهريل آهن.

واڪ دستاويزن و هٿاين سان مطابقت و جمع ڪرايل واڪ لازمي EPADS تي 11.05.2026 تي صبح 11:00 وڳي کان پهريان جمع ڪرايا وڃن گهرجن آڇ ڪيل آئٽمز جي آڏو جائيل ٽينڊر في - /Rs. 3,000 جو اصل انسٽريومينٽ سان بد سيڪيورٽي آڻي. ٻيڙ جمع ڪرائڻ جي لاءِ آخري تاريخ کان پهريان پروڊيوزنگ ايڊنسي وٽ لازمي پهچڻ گهرجن جيڪي ايڊريس: قاعده انجنيئر آڊيٽوريم، جناح سنڌ ميڊيڪل يونيورسٽي (USMU) ڪراچي و ساڳي ڏينهن تي منجهند 12:00 وڳي کوليا ويندا.

اهم:-

- اي. ٻڌڻگ لاءِ ڏنل سوال لاءِ ميڊيڪل سپرنٽنڊنٽ، پيپلز ميڊيڪل ڪاليج اسپتال شهيد بينظير آباد رابطو نمبر - 0300 3205781 تي رابطو ڪريو
 - سرڪار پاران عام موڪل جو اعلان ڪرڻ يا ڏنل صورتحال جي سبب ٽينڊر/واڪ ساڳي هنڌ ۽ وقت تي اڳئين ڪم ڪار واري ڏينهن جمع ڪرايا و کوليا ويندا
 - غريبلر SPP رولز 2010 جي لاڳاپيل قرون تحت ڏنل هنڌ / مڙني واڪن کي رد ڪري سگهبي ٿي
- ڪنهن مونجهاري جي صورت و اهڪائي واڪ ڏيندڙ ڪم ڪار واري ڏينهن وقت جي دوران EPADS هيلپ لائين 051-111-137-237 تي رابطو ڪري سگهجن ٿا.

دستخط

ميڊيڪل سپرنٽنڊنٽ

PMCH اسپتال نوابشاهه/SBA

INF-KRY-NO.1559/2026

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**OFFICE OF THE
MEDICAL SUPERINTENDENT
PEOPLES MEDICAL
COLLEGE HOSPITAL
SHAHEED BENAZIR ABAD.**

No. MS/PMCH/Procurement Store/-

Dated The 21-04-2026

NOTICE INVITING TENDER

The Medical Superintendent, Peoples Medical College Hospital Shaheed Benazirabad invites e-bids through E-Pak Acquisition and Disposable System (EPADS from Supplier / Firms / Manufactures / Importer / Authorized Distributors on Active Taxpayer list of the FBR/SRB (whichever is applicable) for the supply of Medical Equipment, Machinery, Medical Devices, Instruments, Furniture, Fixture and other Items 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/#/>;

S#	ADP #	NAME OF SCHEME
1	1109	CONSTRUCTION OF (1) NEW OPD BLOCK FOR NEURO SURGERY, NEUROLOGY, GENERAL SURGERY, DENTAL (2) ENDOSCOPY SUIT (3) SURGICAL & MEDICAL ICU AND (4) OPERATION THEATER COMPLEX AT PMC HOSPITAL SHAHEED BENAZIR ABAD

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

The bids prepared in accordance with the instruction in the bidding documents, must be on EPADS by 11-05-2026 at 11:00 AM. The original instrument offender fee Rs.3,000/- and fixed bid security mentioned against quoted items must reach the procuring agency before the deadline for submission of e-bids, which will be opened on the same day at 12:00 Noon at the address Fatima Engineer Auditorium, Jinnah Sindh Medical University (JSMU) Karachi.

N.B :-

- Any query for e-bidding may contact at Medical Superintendent, Peoples Medical College Hospital Shaheed Benazirabad and contact No. 0300-3205781
- In case Government announces any public holiday or any unfavorable circumstances, the tender / bids will be 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 day/hours.

Sd/-

**Medical Superintendent
PMC Hospital Nawabshah / SBA**

INF-KRY/1559/2026

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Daily News Paper
Express Tribune

Dated.

24. 04. 2026

بالائی سندھ میں اردو کا پہلا اور کثیر الاشاعت

108

روزانہ نمبر NS-142

پست نمبر 98

GPC نمبر

THE DAILY KALEEM SUKKUR

روزنامہ کلم سکھ

پانی۔ مہسر الہی شیشی

20 روپے

فون: 5622086

جلد 108

تحہ المبارک 06 ذی القعدہ 1447 بمطابق 24 اپریل 2026

تعمیر 96

Fb.com/KaleemDailySukkur

DAILY NEWSPAPER KALEEM SUKKUR DATED 24-04-2026

ڈسٹریکٹ میڈیکل سپرنٹنڈنٹ، میڈیکل کالج ہسپتال شہید بینظیر آباد

21-04-2026 MS/PMCH/Procurement Store. نمبر

ٹینڈر طلبی نوٹس

میڈیکل سپرنٹنڈنٹ، میڈیکل کالج ہسپتال شہید بینظیر آباد کو دوران مابین سال 2025-26 اور 2026-27 میں میڈیکل ایکسٹنس، شیشی، میڈیکل ایسٹنس، انسٹرکشن، فرنیچر، گیس، دیگر آلاتوں کی فراہمی کیلئے ایف بی آر ایف آر بی (جوہی قابل اطلاق ہو) کی فعال ٹینڈر دہندگان کی فہرست میں موجود ہلا زرا فرحرا ہونے پر 24 اپریل 2026ء کو 46 (2) سٹاکس ایڈجسٹ۔ دہلانے طریقہ کار کے تحت ای۔ پاک ایکویٹیشن اینڈ سپروائزر سسٹم (EPADS) کے ذریعہ ایڈسٹریبلٹی طلب ہے۔ مصلح شرائط و ضوابط پر مشتمل ڈیمک ڈاؤنٹس ڈاؤن لوڈ کیے جاسکتے ہیں۔ <http://portalsindh.eprocure.gov.pk/#/> سے دیکھیے

نمبر: انسدادی لپار

1	1109	قیمت (1) OPD ٹاک عمارت تعمیر، ترقی، تعمیراتی، جزا سرجری، ڈیجٹل (2) انٹرن کاپی سٹ (3) سرٹیکس میڈیکل ICU اور (4) آپریٹنگ روم کیمپس، مقام PMC ہسپتال شہید بینظیر آباد
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ایگزٹنگ ڈیمک ڈاؤنٹس EPDS کے ذریعہ ارسال کی جائیں۔ ذاتی ڈاؤن لوڈنگ کی جائے گی۔ ٹینڈر دہندگان سے ملاحظہ ہے کہ ایگزٹنگ ڈاؤن لوڈ کیلئے ٹولک EPADS سسٹم کے لنک <http://sindh.eprocure.gov.pk/#/supplierregistration> پر رجسٹر کرنا ہے۔

ڈیمک ڈاؤنٹس میں رجسٹرڈ مابین کی مطابقت میں جانکر رجسٹریشن نمبر 11-05-2026 دن کیا ہے۔ ڈیمک EPADS پر فتح کرنا ہے۔ ٹینڈر ٹیسٹنگ 30000/- روپے کا اصل انسٹرومنٹ اور برائے سٹاکس مقرر کردہ ڈیمک ڈاؤن لوڈنگ کے ذریعہ کرنا ہے۔ ڈاؤن لوڈنگ کے ذریعہ کرنا ہے۔ ڈیمک ڈاؤن لوڈنگ کے ذریعہ کرنا ہے۔ ڈیمک ڈاؤن لوڈنگ کے ذریعہ کرنا ہے۔ ڈیمک ڈاؤن لوڈنگ کے ذریعہ کرنا ہے۔

پرنٹنگ (JSMU) کرنا ہے۔ ڈیمک ڈاؤن لوڈنگ کے ذریعہ کرنا ہے۔

نوٹس:

- ☆ ای۔ ڈیمک ڈاؤنٹس کسی مستند کیلئے میڈیکل سپرنٹنڈنٹ، میڈیکل کالج ہسپتال شہید بینظیر آباد، راولپنڈی 0300-3205781 پر رجسٹر کیا جاسکتا ہے۔
- ☆ حکومت کی جانب سے اعلان شدہ سٹاکس مابین مابین کی صورت میں ٹینڈر ڈاؤن لوڈنگ کے ذریعہ کرنا ہے۔
- ☆ فریڈا کا SPP قوانین 2010 کے متعلقہ ضابطوں کے تحت کسی ایف بی آر ایف آر بی کے ذریعہ کرنا ہے۔
- کوئی دقت آئے ہے متعلقہ ٹینڈر دہندگان EPADS کی مہلپ لائن 051-111-137-237 پر ہم آوازیت کا، کے دوران رابطہ کر سکتے ہیں۔

دہلانے

(میڈیکل سپرنٹنڈنٹ)

پنا ایم سی ہسپتال

نوابشاہ / شہید بینظیر آباد

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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

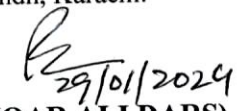
Karachi, dated: 29th January 2024

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:-

- The Chairman, Health Procurement Committee / VC, JSMU, Karachi.
- The Executive Director, NICH, Karachi.
- The Medical Superintendent, Dr. Ruth K.M.Pfau Civil Hospital Karachi.
- All members of the Technical Experts Committee (Machinery / Equipment).
- 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)

OFFICE OF THE MEDICAL SUPERINTENDENT PEOPLES
MEDICAL COLLEGE HOSPITAL SHAHEED BENAZIRABAD
HEALTH DEPARTMENT, GOVERNMENT OF SINDH



STANDARD BIDDING DOCUMENT

PROCUREMENT OF MEDICAL EQUIPMENT, MACHINERY, MEDICAL DEVICES, INSTRUMENTS,
FURNITURE/FIXTURE AND OTHER ITEMS FOR ADP SCHEME 2025-26-2026-27

FINANCIAL YEAR 2025-26 & 2026-27

S#	ADP No#	NAME OF SCHEME
1	909	CONSTRUCTION OF (1) NEW OPD BLOCK FOR NEURO SURGERY, NEUROLOGY, GENERAL SURGERY, DENTAL (2) ENDOSCOPY SUIT (3) SURGICAL & MEDICAL ICU AND (4) OPERATION THEATER COMPLEX AT PMC HOSPITAL SHAHEED BENAZIR ABAD

Due on: ___ - ___ - 2026 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”)

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


MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL
MAHABSHAW SBA

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





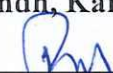

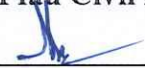



- S. Zamir Hussain Shah, Bio Medical Engineer, Dr. Ruth K.M. Pfau Civil Hosp. Kar. 
- Majid Ali, Senior Equipment Engineer, NICH, KARACHI. 
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TABLE OF CONTENT

S. No.	DESCRIPTION	PAGE
1.	Salient Feature	
2.	Terms & Conditions	
3	Documents Checklist	
4.	Evaluation Criteria & Bidder Details	
5.	Technical Specifications of Medical Equipment	
6	Human Resource Including Detail of Technical Team (Form A)	
7	Major Spare Parts (Form C)	
8	Compliance Sheet/Technical Evaluation Sheet (Form D)	
9	Financial Evaluation Sheet (Form E)	
10	Manufacturer Authorization Form (Form F)	
11	List of Installation/ Reference Client (Form G)	
12	Performance Certificate (Form H)	
13	Bid Letter Form	
14	Contract Agreement Form	
15	Bank Guarantee Form	
16	Integrity Pact	
17	Bid Form & Price Schedule	
18	Schedule of Requirements	


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SALIENT FEATURES OF THE TENDER


1.	Name of Work & Address	PURCHASE OF MEDICAL EQUIPMEN/MACHINERY FOR Office of the Medical Superintendent Peoples Medical College Hospital Shaheed Benazirabad .
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 Peoples Medical College Hospital Shaheed Benazirabad
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 Peoples Medical College Hospital Shaheed Benazirabad .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.

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


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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.


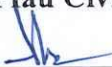

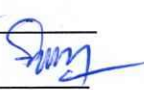

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AMIR SHAH SBA

		<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.

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

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PEOPLES MEDICAL COLLEGE HOSPITAL
KARACHI

30.	Criteria for bid evaluation.	Merit Point Evaluation (<u>Most Advantageous Bid</u>) 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 <u>Most Advantageous Bid</u> , provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.

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

MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE 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 Contactors 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 Peoples Medical College Hospital Shaheed Benazirabad , 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 Peoples Medical College Hospital Shaheed Benazirabad .The warranty period will commence from the date of installation of the Equipment at Office of the Medical Superintendent Peoples Medical College Hospital Shaheed Benazirabad .
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.





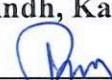
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MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL
SHAHEED BENAZIRABAD

15. If 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 Peoples Medical College Hospital Shaheed Benazirabad . (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 Peoples Medical College Hospital Shaheed Benazirabad .
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.

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- c) 85% to 90% warranty period will be extended 1.5 time the down time period
- d) 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 _____





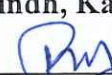
(CNIC NO _____ (Copy must be attached).)

Full Address _____

Rubber Stamp _____



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SECTION A



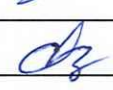


Supply, Installation, Testing and Commissioning of Medical Equipment and Machinery Items

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 3year)		
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)		

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Note:




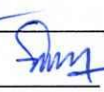

- Mandatory documents are mentioned.
- All pages of the bid, except for un-amended printed literature, shall be initialed by the Bidder.

BIDDER'S DETAILS FOR NOTICE PURPOSES

Bidder Name:	
Address:	
Tel No.	
Fax No.	
Contact Person Name:	
Mobile No.	
Email Address:	


MEDICAL SUPERINTENDENT
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NAWABSHAH SBA

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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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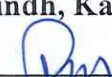
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B. BIDDER EVALUATION

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	50
	(B)	
	GRANDTOTAL (A+ B)	100

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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 Peoples Medical College Hospital Shaheed Benazirabad 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.


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




SECTION A

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

S. No	Name of items	QTY	Fix Bid Security
1.	<p>Dental Chair Unit with High Speed Air Turbine hand Pieces, Micro Motor Hand Pieces Light Cure Machine, X-ray Dental Stool and Air Compressor including all Accessories</p> <p>Specification: Dental Unit (Complete with Chair, Light, Hand Piece unit with hand places, suction & compressor.)</p> <p>Patient's Chair Manually adjustable flat headrest with magnetic cushion Right armrest swiveling for entry and exit of patient while left one is fixed Number of Profiles: 02 Number of Chair Programmable per Profile: 04 3 favorite buttons for individualized instrument settings Programmable Starting and Rinsing positions Extendable foot rest for ergonomic treatment of long patients Chair movement through silent electric motors Automatic Emergency stop of chair once it meets an obstacle Synchronized movement of backrest and seat cushion by electromechanical motors prevents construction/over extension of the patient. The position of the patient's head on the headrest remains constant when the chair is lowered. 4-way Joystick for adjustment of chair & backrest positions Standard Pneumatic Foot switch for controls of hand pieces</p> <p>Dentist's Element Dentist Element with hanging hoses and adjustable arm with pneumatic brakesystem Five-fold Seven Segment Display and LED Status Indicator Touch sensitive control panel with autoclaveable silicone cover Touch sensitive control buttons for the individual chair functions, Programs, Light on/off and Intensity as well as for spittoon bowl and cup filler. Easy clean feature – disables all the movements / controls of the unit for easy cleaning Hand piece holders without lockouts Number of Hand piece positions including 3way syringe: 05 Hand piece priority system (if one Hand piece in use others will not operate while lifting from holder) 3x hanging hoses, fiber optic type 1 x 3-way syringe with autoclavable tip 1x High Speed air turbine push button type with 400,000 rpm 1x Slow Speed Air motor with internal water spray Speed range from 2000-40000 rpm or better. Forward and reverse modes 1x Built-in Ultrasonic Fiber Optic Scalar frequency 28-36 kHz with sterilize-able hand piece and tips of same manufacturer. Water regulation on the scalar hand piece. Scaling and Endo mode Complete with straight and contra angle attachments Removable silicone tray pad Removable hand piece holder and tubing for cleaning and disinfection.</p>	06	360,000


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Assistant's Element

Number of hand piece positions including 3way syringe: 04Integrated USB port to connect the external media products1 x 3-way syringe with autoclave able tip
1 x High Volume Evacuation hose, autoclave able suction hand pieces withadjustment suction pressure
1 x saliva ejector hose, autoclave able suction hand piece with adjustment suctionpressure
X-ray Viewer

Water Unit

Automatic Bowl Rinse functionFixed on chair base
Automatic Glass Fill function with time adjustment
Clean water system with the facility to change from clean (water bottle) to tapwater with toggle switch
Built-in Air and water separator

Patient's Light LED Light

For optimum illumination of the treatment siteFlexible positioning via three flexible joints
Anti-glare for the patient through clearly confined luminous spot
No-touch sensor for hygienic hands-free operation, Intensity change and lighton/off
Light on/off through control panel and via no-touch sensor
Brightness is 8,000 – 26,000 Lux or better, 5,500- 6,500 Kelvin or better

Light Cure Unit

Curing light is a piece of dental equipment that is used forpolymerization of light cure resin based composites.
The latest generation L.E.D. (Light Emitting Diode) curing light Power: 1300-1400mW/cm² or better without Rising the temperaturePolymerization time: 6 - 20 seconds or better
With Rechargeable, Battery charger, Power supply cord, opalescent guide of diam.7.5mm or better and an oval light shield

Oil Free and Maintenance Free Air Compressor

Air intake capacity:
Free Air delivery at 5 Bar: 110 L/minTank capacity: 24 litter or more

Suction Unit:

Dry Suction Unit
Compatible with the system as per manufacturer recommendation.Voltage 220V - 50 Hz

02x Working Stools (Import/Export quality)

Anatomically contoured seat, mounted on 5-castors which can automaticallybraked when no load is applied to the stool.

Other than working stool.

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 to the consignee end.




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2.	Central Suction for 3 Units TECHNICAL SPECIFICATION: Dry Suction Unit for 3 Dental Unit Max. Fluid flow rate : 16l/min or more Voltage 220V -50 Hz Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.	02	21,000
3.	Amalgamator TECHNICAL SPECIFICATION: Digital Operating Timer 0-30 Sec Quite & Low Vibration Operating Speed : High 5000rpm All types of capsules Warranty; 03 years warranty of complete system including all accessories and allied items Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.	02	3,000
4.	Apex Locator & Pulp Tester TECHNICAL SPECIFICATION: Powered by a rechargeable battery. Auto-power off feature, conserves battery life. Device operating time is approx. 10 hours at one charge. Autoclavable file holder to avoid cross infection. Multi-frequency operative system guaranties high accuracy (0.1 mm) Auto Motor Start/Stop Auto Torque Reverse Auto Torque Slow Down Auto Apical Reverse Auto Apical Slow Down No Zero-Adjustment Automatic Calibration Module, Probe Cord, File Holders (Qty 5), Contrary Electrodes (lip clips) (Qty 8), Function Tester, AA Alkali Batteries (Qty 6) Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.	04	18,000
5.	Scaler Machine TECHNICAL SPECIFICATION: Ultrasonic scalars are used to remove calculus rapidly from the Tooth surface. The scaling tip vibrates in the ultrasonic range Flexible and easy to use with a selection of tips designed for use in specific treatment areas such as Scaling, periodontology, implantology, endodontics, retrograde root treatment, Micro preparation, filling therapy.	04	12,000

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	<p>Powerful, efficient and gentle treatment Large selection of tips for every scaler Outstanding brightness in scalers with lights Sterilize-able hand piece and tips Drive: Piezoelectric Oscillation: Linear Oscillation frequency: 28-32 kHz or better Illumination: LED Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation</p>		
6.	<p>Benchtop Steam Sterilizer (B Class) 24 Liter TECHNICAL SPECIFICATION: Autoclave Class B Type Chamber Capacity: 20-25 Liter Loading Capacity: 5kg instruments and 1.5kg textiles or more Table top Standalone Class B-Autoclave Built-in Electric Steam Generator made of stainless steel Fully automatic microprocessor controlled autoclave Digital LCD display 5 Sterilization programs Fast cycle programs Universal Program 134°C in 30min., Gentle Program 121°C in 45min. Prion Program 134 °C in 45 Min, Quick Program B 134°C in 28 Min. and Quick Program S in 15 Min. Vacuum and Bowie Dick test program Serial interface for documentation Automatic electrical door lock with safety door lock system Built-in water quality sensor (conductivity sensor) Easy to use by single button start Stainless steel chamber Internal storage of last 40 cycles data or more Built-in monitoring system to check the cycle automatically every 0.5 seconds Tipple-pre and deep post vacuum Temperature control 121°-134°C Two 4-5 liter reservoirs for fresh and waste water 5 pieces of compatible trays with the autoclave One piece of tray holder Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.</p>	01	24,000
7.	<p>Steam Sterilizer TECHNICAL SPECIFICATION: Fully automatic, programmable, microprocessor controlled. Capacity: 120-160 Liters. Double door Chamber, continuous jacket, doors and steam generator must be made of stainless steel AISI 316L. Control panel with integrated PLC for loading area and LCD display for unloading area.</p>	01	60,000

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Built-In Printer.
 Rectangular chamber.
 Equipped with automatic steam bypass option to connect with the central steam supply source of the institute.
 Automatic powered vertical sliding door with security and stop system,
 Steam generator equipped with security system and water control level with indicator at the front side.
 Vacuum by means of Venturi/double stage vacuum pump, low maintenance, and silent and effective, low water consumption.
 Equipped with Ethernet port/USB Port for printing cycles and connectivity to PC and to download the cycle data.
 Equipped with recording and graphic display.
 Manometers to inform the user about the Pressure inside Chamber and jacket
 Manometer to inform the user about the Pressure inside Steam Generator located on loading side.
 On completion of the cycle unit must display a message of "Completed Cycle"
 Frontal back lit panel with visible symbols that show status of cycle for operator i.e. (process status etc.)
 Equipped with alarm, warning and error messages
 Equipped with emergency stop button.
 Easy Use and Understandable Icons for Program Selection and Operation.
 Viewing of Process Charts (pressures and temperatures) in Real-Time (Process cycle ID with its Big Descriptive Icon, preset Exposure and Drying Times, Remaining Cycle Time in big numbers for minutes and seconds).
 Storing Data of the last 1000 Process Cycles or equivalent.
 All Pipes, Fittings, Clamps conducting Steam should be made of Stainless Steel AISI 316L
PROGRAMS:
 - Vacuum test
 - Bowie & Dick test
 - Textiles and instruments at 134 °C
 - Rubber at 121 °C
 - Rapid at 134 °C
 - Instruments in containers at 134 °C
 - Special P at 134 °C
 - Liquid cycle 121 °C
Accessories: -
 · Complete with all standard accessories and removable shelves, capable of taking both, packets and containers of all standard sizes.
 · One loading and unloading trolleys and loading Shelve compatible with the system.
Imported Online UPS for controller with backup of 30 min
Air compressor: (as per manufacturer recommendation), make and model must be quoted.
 Country of origin and manufacturers: USA/EUROPE/JAPAN/Turkey.
 Three phase DB Panel with phase Sequencer (local)

End-user application training and technical training of engineer to be provided locally by a foreign trained specialist along with training material as per manufactures guideline.
 Installation and commissioning including (UPS, DB Panel with phase sequencer, Air compressor and all kind of attachment Pipe, Wire and etc.) Are the responsibility of the supplier

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	<p>Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN/or equivalent Warranty: 03 years from the date of satisfactory installation.</p>		
8.	<p>RO System 600GPD TECHNICAL SPECIFICATION: 2,000 Gallon per day with discharge pumps with backup including water storage tank capacity of 1,000 L. or more. Locally assembled with imported components and compatible with system Installation and commissioning are the responsibility of the supplier. Imported quality</p>	01	6,000
9.	<p>Rotary Sealer TECHNICAL SPECIFICATION: Microprocessor controlled. Bench top type rotary heat sealer to Close sterilization bags, paper plastic Laminate reels. High capacity through feed type. Machine to be tilted forward to enhance ergonomics and save space. Machine to be built and controlled Digital LCD Display Heat up time to 200°C: 180 sec or better Width of the seal: 14mm or more. Seal edge setting: 5 –30mm or more. Temperature adjustment: 50 – 200°C or more, tolerance of 1% of set value. Feed speed 10 Meters/ Minute. Seal type: Multiline seal (4 line) Electrical requirement: 200–240 V, 50–60 Hz Complete with standard accessories and manual Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.</p>	01	12,000
10.	<p>Ultrasonic Cleaner 14 Liter TECHNICAL SPECIFICATION: Key Features: - Electronic time and temperature control, up to 80 °C - High performance transducer system - Auto start temperature controlled / temperature pre-selection Specification: - Tank Volume Capacity = 18 Liter or more - Ultrasonic Frequency = 35 KHz or more - Ultrasonic Peak Performance = 800 Watt or better Constructive Material of Tank: - Stainless Steel AISI304 Power Requirement: - Line voltages: 220-240VAC - Line Frequency: 50/60 Hz Certification:</p>	01	16,500

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	<p>ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.</p>		
11.	<p>Digital fully integrated, dedicated C Arm imaging; solution for ERCP with Endo Package. TECHNICAL SPECIFICATION: C-Arm x-ray unit mobile for Radiography and fluoroscopy High frequency, Power output of 30KW or more. 40 to 120KV with fluoroscopy facility of 220mA & Radiography 300mA or more. C -Arm Rotation +/-360 Degree or better Dual focal spots Rotating Anode x ray tube of 0.3/0.6 mm or better Anode Heat Storage Capacity 300KHU or better Flat Panel Detector 30x30cm FPD CsI Low Dose CMOS Technology or better Image Matrix 1900 x 1900 (1.9Kx1.9K), Pixel size 151.2Um and 16bit A/D Conversion Collimator: iris and blades diaphragms motorized with x-ray grid Integrated Liquid Cooling system (ILX) should be available Display: Two 48cm (19") or more LCD/LED monitors on OEM Separate Mobile Trolley Digital video memory 500000 images or better Noise reduction filter, last image holds, pulsed fluoroscopy. Fluoroscopy footswitch Edge enhancement, image inversion to be provided Real time digital image rotation, DSA Facility to be Provided. Accessories: Lead Apron, Thyroid Collar, Goggles, Gonadal sheet Qty-01 each Optional: Compatible online UPS for complete system Qty-01 Country of Origin: UK, USA, Europe, Japan or equivalent. Certifications: FDA/CE(MDR)/MHWL any one certificate is mandatory .Warranty: Warranty period shall be of three years starting from date of Satisfactory installation of equipment to the consignee end.</p>	01	180,000
12.	<p>Full HD Video Endoscopy processor with LED Light source, Monitor, Insufflator, and mounting Cart TECHNICAL SPECIFICATION: Latest Higher End Video Endoscopy system HIGH DEFINITION VIDEO PROCESSOR High Definition Video System having following features: HD-SDI & DVI outputs HD Image Quality with 1920 x 1080 Resolution or more Touch screen panel. Programmable functions through remote buttons / endoscope switches Iris Mode / Light Exposure Peak Pre-Freeze / Freeze Scan / Anti Blur Function / Shake Reduction Mode / Peak Detection Freeze Mode Color Adjustments: Red, Blue: -4 to +4 (\pm 4) Steps or more Contrast – 3 Steps Structure Enhancement / Emphasis Electronic Magnification / Digital Zoom 45 or more Patients data Image storage facility (internal / external device)</p>	02	300,000

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Keyboard for data handling
Capable for visual enhancement and differentiation of vessels and Capillaries
Texture, color, Red chromatic enhancement/NBI/Optical Enhancement.
Compatible with ERCP, EUS & Magnification / Zoom Scopes
Should be compatible with artificial intelligence/computer aided diagnosis.
Supplied with all standard accessories.

USA/Europe/Japan

XENON LIGHT SOURCE 300 WATT / 4-LED OR MORE LIGHT SOURCE

Features:

Separate or built in advanced light Source for Video Scopes with the following main features:

300 Watt Xenon / 4-LED or more light source

Average lamp life: Approx. 500 hours or more

Automatic Light control / Light Exposure Control / Aid Brightness

Air pump

Standard Set of Accessories. - Water Bottle

LED / LCD ULTRA HIGH DEFINITION COLOR MONITOR 32"

Optimized for 4K endoscopy applications

Screen Size 32"

Native Resolution 3840 x 2160 pixels

Aspect Ratio 16:9

Numbers of Colors 1.06 Billion (10-bit)

3G-SDI, DVI-D,

Supplied with Complete accessories.

CO2 REGULATION/CO2 INSUFFLATOR

Separate CO2 Regulator / CO2 Insufflator

03 different controlled flow rate settings

Accessories:

- Standard set of accessories

- Hose Gas Tube (Local supply)

- Cylinder (Local supply) Quantity 2

Trolley Based Workstation.

Swivel arm for monitor.

Electrical wiring with sockets and isolation transformer Sliding Keyboard shelf / tray.

Placement provision of printer.

Imported supplied with the same manufacture

MAINTENANCE UNIT

Maintenance unit/ leakage tester for endoscopy

SUCTION PUMP FOR ENDOSCOPE

Heavy duty Autoclavable

Aspiration rate up to 50-60 liters / minutes at 650-900 mmHg

Vacuum continuously adjustable

10x bacterial filter

Complete aspiration set

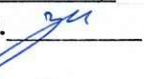


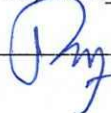
Overflow safety device

Standard Set of Accessories.

BATTERY BACKUP/UPS

Imported Pure Sine Wave UPS backup for whole system with minimum 30 minutes battery backup






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	Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.		
13.	Full HD Slim Video colonoscopy size 8 mm or better TECHNICAL SPECIFICATION: HIGH DEFINITION VIDEO COLONOSCOPE High Definition Video Colonoscope Standard with CCD / CMOS and advanced technological features as below: Direction of view: Forward viewing Field of view 140° or better Depth of field 2 - 100 mm or better Distal end diameter 11.5 mm or less Insertion tube diameter 11.6 mm or less Channel inner diameter 3.7 mm or more Working Length: 1680 mm or more Angulations: Up 180°, Down 180°, Right 160°, Left 160° or better Water Jet Function Observation facility for greater contrast of blood vessels and mucosa Texture, color, Red chromatic enhancement/NBI/Optical Enhancement. Gradual Stiffness / I-Flex & True Torque / Adjustable stiffness / RIT Supplied with all standard accessories. Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.	02	180,000
14.	Full HD Slim video Gastroscopy size 6mm or better TECHNICAL SPECIFICATION: FULL HIGH DEFINITION VIDEO GASTROSCOPE High Definition Video Gastroscope with CCD / CMOS and advanced technological features as below: Close Focus / Near Focus Field of view 140 degree Direction of view Forward viewing Depth of field 2 -100 mm or better Insertion tube diameter: 9.8 mm or less Distal end Diameter 9.9 mm or less Channel inner diameter: 2.8 mm or more Bending Section: Up 210°, Down 90°, Right 100°, Left 100° or better Working Length: 1030 mm or more Water Jet Function Observation facility for greater contrast of blood vessels and mucosa. Texture, color, Red chromatic enhancement/NBI/Optical Enhancement. Supplied with all standard accessories. Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent	02	180,000



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	Warranty: 03 years from the date of satisfactory installation.		
15.	Full HD Video Duodenoscopy with attachable mechanism TECHNICAL SPECIFICATION: HD/ Q-IMAGE DUODENO VIDEO SCOPE High Definition Video Duodenoscope with CCD / CMOS and advanced technological features Field of view: 100° or more Direction of view: 5°-10° (Backward Viewing) Depth of field: 5 - 60 mm or better Distal end diameter: 13.6 or less Insertion tube diameter: 11.6 mm or less Working length: 1240 mm or more Channel inner diameter: 4.2 mm Angulations: Up 120°, Down 90°, Right 90°, Left 90° or better Observation facility for greater contrast of blood vessels and mucosa. Gradual Stiffness / I-Flex & True Torque / Adjustable stiffness / RIT Detachable distal end cap & Elevator Supplied with all standard accessories. Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.	01	105,000
16.	Automated Disinfector with Dual Independent Tubes TECHNICAL SPECIFICATION: ENDOSCOPIC WASHER & PRE-PROCESSOR Automatic High Pressure Washing & Cleaning capability Free standing type / Rack type Applicable scopes: Flexible endoscopes Number of reprocessed scopes 01 at a time Number of washing basin 01 Cleaning time setting. Disinfection time setting. Display of Parameters Compatible with quoted scopes Complete with all accessories Ready to use Complete with all standard accessories Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.	01	75,000
17.	Suction/Irrigator with warming feature TECHNICAL SPECIFICATION: Water Jet / Flushing pump for scopes with heating feature, compatible with all scopes Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.	02	48,000





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18.	<p>High resolution manometry HRM TECHNICAL SPECIFICATION: ESOPHAGEAL AND ANORECTAL MANOMETRY AND PH STUDIES APPARATUS Modules: Manometry Module High Resolution Impedance Manometry High Resolution Anorectal Manometry Hydraulic movement Interface cable Trolley: With latest 12 GB RAM and 1TB HD computer and color Laser Printer with 24" Monitor LCD. Analysis Software: Esophageal catheter with Software 32- 36 Pressure channel Catheter with 12-16 Impedance channel Anorectal Catheter with software with Bio-feedback Pelvic floor reconstruction 20 Plus channel for HRAM Patient database software + PH analysis software + Impedance software Should provide details in Chicago classifications or conventional analysis functions. Software data back up with software key should be provided. Should allow marking for swallow, the position of the catheter, respiration, cough/squeeze, catheter pull-through. Online UPS 3KVA. Mandatory training should be provided. Spare parts availability for ten years. Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.</p>	01	90,000
19.	<p>HD Ultra Slim Pediatrics Gastroscopy TECHNICAL SPECIFICATION: FULL HIGH DEFINITION VIDEO GASTROSCOPE High Definition Video Gastroscopy Ultra Slim with CCD / CMOS and advanced technological features as below: Field of view 140 degree Direction of view Forward viewing Depth of field 3 -100 mm or better Insertion tube diameter: 5.8 mm or less Distal end Diameter 5.5 mm or less Channel inner diameter: 2.0 mm or more Bending Section: Up 210°, Down 100°, Right 100°, Left 100° or better Working Length: 1030 mm or more Observation facility for greater contrast of blood vessels and mucosa. Texture, color, Red chromatic enhancement/NBI/Optical Enhancement. Supplied with all standard accessories. Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.</p>	01	90,000



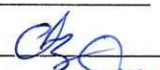


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20.	<p>Specialized Endoscopic Procedure Table TECHNICAL SPECIFICATION; 3- Movement c-arm compatible tables for gastroenterology with extra wide table top. • Rectangular 65cm or more wide carbon fiber table top • Weight capacity 250 kg or more • Motorized movements • Four hospital grade locking castors • Metal free imaging 145cm or more • Carbon fiber table top with <1 mm Aluminium Equivalence</p> <p>Motorized Movement • Height Adjustment • Lateral travel • Motorized height adjustment as shown below • Height Adjustment 65 - 100 cm or more • Lateral Tilt +/- 15° or better • Trendelenburg +/- 15° or better 1) Supplied with all standard accessories.</p> <p>Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.</p>	01	48,000
21.	<p>Color Doppler ultrasound with two probes TECHNICAL SPECIFICATION: Fully digital portable ultrasound machine with provision for Doppler examinations. 2. The unit should have a laptop type console design. The unit should be compact, lightweight and portable. 3. It should be suitable for abdominal, small parts and vascular applications in adults and pediatric patients. Multiple preloaded as well as user configurable application presets should be available. 4. Minimum grey scale resolution to be 256. 5. Maximum scanning depth to be 40cm or more. 6. The system to have a dynamic range of 100decibels or more. 7. The system should support Convex and Linear probes. 8. Transducers (one each): (1) Convex electronic phased array transducer: 2-6 MHz for abdominal imaging. (2) Linear transducer: 4 -11MHz for vascular and small part imaging. 9. All transducers should be lightweight digital phased array broadband type transducers. 10. The system should have a frame rate of at least 390 frames per second (fps). 11. The system should have an ergonomic full alphanumeric soft keys keyboard with easy access scans controls and trackball. Provision for attaching an external keyboard and mouse should be present. 12. The System must have integrated high – resolution TFT/LCD Touch Screen monitor of 12 Inches or more. 13. The system should have cine loop review facility of not less than 60 sec/1000 frames. 14. System should have 256GB or higher capacity internal SSD. 15. The system should have the facility of digital storage and retrieval of B/W and colour image data on SD Card. Provision for USB port and LAN transfer of data should also be present. 16. Imaging modes of Real time 2D, Colour Doppler, Pulsed wave Doppler and Power (energy) Doppler should be available. 17. Controls for 2D mode: Total gain, depth, TCG, dynamic range, acoustic power output.</p>	01	126,000


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	<p>18. Controls for Colour Doppler: PRF, colour gain, position and size of ROI, steering of ROI, colour maps and colour invert.</p> <p>19. Controls for pulsed Doppler: variable sample volume size from 1 to 5mm or more, steer, PRF, baseline, gain angle correction, spectral invert, duplex on/off.</p> <p>20. Measurements for 2D mode: Multiple distances, area and volume.</p> <p>21. Measurements for Doppler modes: Stenosis quantification in area percentage, diameter, PSV, EDV, mean, PI, RI, acceleration time and index. Automatic and manual measurements and display of pulsed Doppler calculations should be possible.</p> <p>22. Facility for storage on SD Card / USB should be available.</p> <p>23. Unit should function with 200-240 V, 50 Hz</p> <p>24. In built battery backup should be at least one hour or more.</p> <p>25. Essential accessories: Black & White Thermal printer and color laser printer, UPS, mobile cart with transducer holder, jelly bottle holder and space for printer.</p> <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 to the consignee end.</p>		
22.	<p>Therapeutic accessories for ERCP Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.</p>	01	60,000
23.	<p>Accessories for Upper GI Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.</p>	01	30,000
24.	<p>Accessories for Lower GI Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.</p>	01	30,000
25.	<p>Cardiac Monitor TECHNICAL SPECIFICATION: Should have Modular Designed and touch screen operation Should be able to synchronized review data 96 hours or 4 Days Inter bed should give quick access to check any patient in the network Should have User-friendly operation Reliability, quality and performance Specifications: Display size should be 15-inch or more Color TFT / LCD touch screen Resolution should be 1280 × 1040 dpi Number of waveforms should be: 6 Number of leads should be: 5</p>	06	540,000






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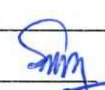

	(Other than UK, USA, Europe & Japan) will be accepted if equivalent have any Two Certificate. .Warranty: Warranty period shall be of three years starting from date of Satisfactory installation of equipment to the consignee end..		
27.	Water Softener Country of Origin: IMPORTED/ EXPORT QUALITY.	01	9,000
28.	Endoscope Washing Sink Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.	01	3,000
29.	Automated Endoscope Storage Cabinets Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.	01	1,500
30.	Suction Machine Technical Specification: • Should have ability to be used in the emergencydept., 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 40 to 60 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 to the consignee end.	02	12,000

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31.	<p>Fully Automatic Random Access Technical Specification: SYSTEM: Fully automated, random access, benchtop clinical chemistry system with STAT capability INTEGRATED: Instrument with inbuilt PC, software, reagents, calibrators, controls and consumables ANALYSIS MODES: Quantitative THROUGHPUT RANGE (PHOTOMETRICS): 180 or more photometric TPH and Up to 250 or more ISE tests/hour VALIDATED SAMPLE TYPES: Serum, Plasma, Whole Blood and Urine (assay dependent) SAMPLE INTEGRITY: Sample clot detection ACCESS WHEN OPERATING: Cover open /closed detection. Transparent instrument cover, so moveable parts are visible during operation MAIN COVER: Open/Closed detection SAMPLE COVER: Open/Closed detection REAGENT COVER: Open/Closed detection CUVETTE ROTOR COVER: Open/Closed detection Built-in Barcode reader Built-in Barcode reader Online compatible UPS 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 to the consignee end.</p>	01	105,000
32.	<p>Hematology Analyzer five parts Technical Specification: 5-part hematology analyzer LCD touch screen Throughput: up to 70 samples/h in WB mode Aspiration volume: 25 µL in WB mode, 70 µL in PD and BF mode or better Analysis parameters :Whole Blood WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, RDW-SD, RDW-CV, PDW, MPV, P-LCR, PCT, NEUT, LYMPH, MONO, EO, BASO and etc. Data storage capacities: Results: 100,000 samples or better Patient information: 10,000 records or better Built-in Compatible online imported UPS Built-in printer 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 to the consignee end.</p>	02	48,000

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33.	Hb 1AC Analyzer Technical Specification Test Items: HbA1c/Blood Glucose Sample Type: Capillary/Venous blood for HbA1c test Capillary blood for blood glucose test Sample Volume: Around 3µL or better Testing Time: 5 minutes or better Strips and Reagents Storage Condition 12 months or more at room temperature Printer: Support to connect the external printer/Built-in Data Storage: 1000 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 Satisfactory installation of equipment to the consignee end.	01	21,000
34.	Fully Auto electrolyte Analyzer Technical Specification: 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 <ul style="list-style-type: none"> • Built-in or External Laser Printer • Imported Compatible Sine wave UPS • 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 Satisfactory installation of equipment to the consignee end...	01	19,500
35.	Semi-Automatic Chemistry Analyzer TECHNICAL SPECIFICATION: OPERATOR INTERFACE <ul style="list-style-type: none"> • Membrane keyboard/Touch screen 	02	33,000



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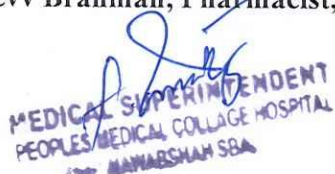
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	<ul style="list-style-type: none"> • Optional external keyboard • High contrast graphical LCD display <p>OPTICAL</p> <ul style="list-style-type: none"> • Photometric range: -0.1 to 2.3 Absorbance or better • Wavelengths: automatic by 12 positions 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 <p>FLOWCELL</p> <ul style="list-style-type: none"> • Metal, with quartz windows • Measuring volume 30 µL or better <p>PRINTER</p> <ul style="list-style-type: none"> • Internal matrix printer • Normal paper • External printer port available <p>MULTIPLE TESTING</p> <ul style="list-style-type: none"> • Up to 9 replicates • Means, SD and CV% <p>POWER REQUIREMENTS</p> <ul style="list-style-type: none"> • 100-240 VAC nominal, 50/60 Hz • Battery back-up to retain data/ Compatible External imported online UPS <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 to the consignee end.</p>		
36.	<p>Bilirubin Meter</p> <p>TECHNICAL SPECIFICATION: Non-Invasive Transcutaneous Bilirubin Meter Total Serum Bilirubin Range 0-20mg/dL or better 0-300 µmol/L or more Correlation r=0.90 or better</p> <p>HAND HELD UNIT Barcode Reader Rechargeable built-in battery</p> <p>LIGHT SOURCE LED Life >200,000 measurements or more</p> <p>POWER SUPPLY Input 100-240VAC, 50/60 Hz</p> <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 to the consignee end.</p>	01	14,100


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37.	Hematocrit Centrifuge TECHNICAL SPECIFICATION: Applications laboratory Function hematocrit Sample type: blood Configuration: benchtop, compact Performance: high-speed Speed Max.: 12,000 rpm or more Holds 24 hematocrit tubes 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 to the consignee end.	01	9,750
38.	Specific Protein Analyzer TECHNICAL SPECIFICATION: 4-channel Specific Protein Analyzer Simple test procedure with fast result from 30 seconds to 3 minutes or better No calibration needed Automatic mixing & detection Smart constant temperature control Color touch screen display, easy operation Built-in thermal printer Sample Volume: 5ul to 40ul or better Memory Storage: Up to 10,000 test results or better Compatible External imported online UPS 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 to the consignee end..	01	7,950
39.	Urine Analyzer Technical Specification: A urine analyzer is a device used in the clinical setting to perform automatic urine testing. High tech Urine Analyzer also performs automated microscopy and automatic image evaluation. Urine analyzer based on photometer principal with 4 differential wavelengths Unit analyze check Specific Gravity, Leucocytes, Nitrite, pH, Protein, Glucose, Ketones, Urobilinogen, Bilirubin, Blood, Creatinine, Albumin and Microalbumin to Creatinine ratio in urine Microscopy Analysis: RBC, WBC, Crystals, Yeast Cells, Bacteria, Hyaline Casts, Sperm, Mucus, Pathological casts, Non-squamous epithelial cells, Squamous epithelial cells Automatic calibration supported for strip and reference cuvette Automated Microscopy and automatic image evaluation Possibility to connect external Key board Connectivity: Connection to external keyboard or bar code reader 220V 50 Hz, AC User Adjustable Settings: Sample Type: Urine and Dialysate	01	7,500

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




	<p>Wave length from 490-650nm or better Throughput not less than 200 with strip reading and 100 for microscopy Displayed Parameters: Digital touch screen display Data Storage Capacity: 200 measurements Accessories: Complete with standard and operation accessories; With Built-in Thermal Printer or External Laser Printer Compatible Imported Online Sine wave UPS with Battery backup for 30 minutes 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 to the consignee end.</p>		
40.	<p>Hot Air Oven TECHNICAL SPECIFICATION: Microcomputer electronic data controller Transparent window for sample visualization High temperature endurance Temperature elevation by heaters PU fiberglass insulation of cabinet Rapid temperature recovery Overheat protection (silica coating) PID digital controller to regulate process parameters Should be Used for sterilizing equipment's, glassware drying, baking, annealing, conditioning, evaporating, dehydrating and other general laboratory work. Capacity 450 L. or more Temperature range 10 °C to 300 °C Interior chamber material 304 Stainless steel Temperature humidity fluctuation ± 0.3°C Temperature humidity uniformity ± 1 °C Temperature humidity resolution 0.1 °C Heating time 30 minutes 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 to the consignee end.</p>	02	6,000
41.	<p>Lab Incubator TECHNICAL SPECIFICATION: Temperature range 10 to 80° C Control Accuracy ± 0.7° C Volume 60 -100 liters No of Racks Two Temperature Control PID Display LED Operating Voltage 220V Ventilation & Control Forced air circulation</p>	01	6,000

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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. 

	<p>Parameters adjustable temperature (Celsius or Fahrenheit), Programmed stored in case of power failure</p> <p>Over Temperature Protection with audible and visual alarm Over temperature monitor</p> <p>Texture Fully insulated stainless steel door with 2-point locking (compression door lock) Inner glass door Easy-to-clean interior,</p> <p>Temperature Min. 10 °C above ambient up to +80 °C</p> <p>Accessories: Complete with standard accessories, software, Operating manual, Services Manual, error code book, part list and software if any</p> <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 Satisfactory installation of equipment to the consignee end.</p>		
42.	<p>Water Bath</p> <p>Technical 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 range from +5C above ambient up to 100C Temperature accuracy of + 1% Displayed Parameters: Built in thermometer Digital display of temperature and time Adjustable timer for time setting Fault indication system Over temperature protection system</p> <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 Satisfactory installation of equipment to the consignee end.</p>	02	9,000
43.	<p>Mini Vortex Mixer</p> <p>TECHNICAL SPECIFICATION: Quiet and compact stable design Vortex tube mixer for biological fluids with surface of at least 6 cm or more At least two types of mixing modes Vortex mixer to operate when pressure is applied to the rubber cup which receives the vessel containing the materials to be mixed</p>	02	9,000

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	<p>Electronic speed control for constant speed even during changes in load Steel base, silicone feet for ultra-stability and vibration damping Motor type: Eccentric, oil less bearings Continuous or touch operation 220V 50 Hz, AC User Adjustable Settings: Shaking movement: Orbital, 4mm Dia. Variable speed control Frequency of 200-2000 RPM Accept vessels up to 25mm diameter 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 to the consignee end.</p>		
44.	<p>Blood Cell Calculator TECHNICAL SPECIFICATION: Sample volume: Venous Mode/Capillary Mode/Pre-diluted Mode≤20μL or better Throughput: 50 samples/h or better Storage: 50,000 sample results inclusive of the histograms Application: Baby/kid/women/man/normal/customized Digital Display touch screen Test mode CBC+DIFF, CBC Compatible Imported Online Sine wave UPS with Battery backup for 30 minutes 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 to the consignee end..</p>	01	3,000
45.	<p>Laboratory Worktop Country of Origin: IMPORTED/ EXPORT QUALITY.</p>	04	15,000
46.	<p>Laminar flow hood Country of Origin: IMPORTED/ EXPORT QUALITY.</p>	02	15,000
47.	<p>Cell Separator Specification</p> <ul style="list-style-type: none"> • Blood Flow Rate • < 10 mL/min (minimum) . Can be used safely on patients as small as 8 Kg • Centrifuge Speed < 3000 rpm • Extracorporeal Volume 120 mL • Collection Methods • Supports both single-needle and double-needle continuous flow collection . • Key Features • Independent anticoagulant pump • infrared drip monitor; • plasma line hemolysis detector; • plasma adsorption therapy program; 	01	75,000

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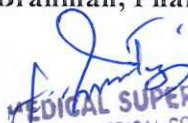
- a. S. Zamir Hussain Shah, Bio Medical Engineer, Dr. Ruth K.M.Pfau Civil Hosp. Kar. _____
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	<ul style="list-style-type: none"> • automatic parameter estimation to predict procedure time . <p>OR EQUIVALENT Country of Origin: UK, USA, Europe, Japan or equivalent, (Any One Certificates of CE, JIS, FDA, MHLW) Should be: ISO-13485 (Mandatory) Warranty: Warranty period shall be of three years starting from date of satisfactory installation of equipment</p>		
48.	<p>Blood Bank Refrigerator (100-120 Bags) TECHNICAL SPECIFICATION: Auto Defrost Forced – Air Circulation Temperature control Safety Control System Ergonomic design Transparency Design Voltage(V/Hz) 220V/50Hz/60Hz Input power(w): 350 Temp. range (°C):4±1 Capacity: 100-120 Bags Certification: ISO 13485 (Mandatory) and FDA/CE/MHLW/JIS any one Country of origin: USA/EUROPE/JAPAN or Equivalent Warranty: 03 years from the date of satisfactory installation.</p>	03	54,000
49.	<p>Cryofuge Machine TECHNICAL SPECIFICATION: Capacity: Refrigerated centrifuge for the processing of 16 bags of 500 ml, Quadruple, triple, double in single run, RCF: 5000 to 7,500 X G or better RPM: 4000 to 6,000 or better Acceleration Rates: 08-12 or better Deceleration Rates: 08-12 or better Temperature Range: -20°C to +40°C Rotor Type: Rotor can easily accommodate 12 X 500 ml quadruple, triple, double blood bags Memory: Storage of Minimum 20 program memory Control System: Microprocessor control, self-diagnostics for servicing, Accumulated Centrifugal Effect (ACE) Integrator, Pre-Cooling Function Safety Features: Automatic Lid lock, Imbalance detection up to 130g, Security key Switch Display: VIDEO set graphics (includes run graph), Info/Error messages in two Languages Motor: High-performance Induction (brushless) Electrical Requirement: 220 - 240V 50Hz Accessories: All with UPS 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 Satisfactory installation of equipment to the consignee end.</p>	01	28,500



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50.	Binocular 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: Coaxial coarse and fine focusing system, with focusing stop mechanism Variable intensity control system Eyepiece lenses: - 10x wide field, focusable, Objective lenses (Achromat): - 4xScanning 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 (Any One Certificate) Warranty: Warranty period shall be of three years starting from date of satisfactory installation of equipment	03	13,500
51.	Centrifuge Machine (12 Test Tube) TECHNICAL SPECIFICATION: Specification Maximum capacity: 12 x 15mL Maximum speed: 300-5000 rpm, adjustable in increments of 100 rpm Time setting: 1-99 minutes, in increments of 1 minute; HOLD Temperature range: 2°C to40°C Control system: Microprocessor User interface: Large, brightly-lit LED display Noise level: <55 dBA Power Supply (VAC/ Hz): 220-240 VAC/ 50 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 to the consignee end.	03	9,000
52.	Incubator Specification: Temperature range 10 to 100° C Control Accuracy \pm 0.7° 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	01	6,000

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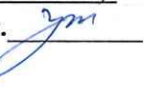
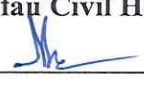
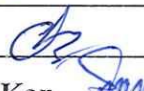

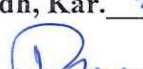
	<p>Fully insulated stainless steel door with 2-point locking (compression door lock) Inner glass door Easy-to-clean interior, Temperature Min. 10 °C above ambient up to +80 °C Accessories: Complete with standard accessories, software, Operating manual, Services Manual, error code book, part list and 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>		
53.	<p>Platelet Incubator with agitator TECHNICAL SPECIFICATION: Temperature range: 20 °C to 35 °C Type: Floor mounted Incubator with a built-in agitator: Capacity 350 bags or more Interior construction: Bacteria resistant powder coated Exterior construction: Bacteria resistant powder coated Door: Dual-pane, tempered glass door System: Thermoelectric Heating and Cooling Technology Data connectivity: USB port, Ethernet capable with API Temperature chart recorder: Included Battery backup/ Imported compatible UPS with battery backup 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 to the consignee end.</p>	01	3,000
54.	<p>Water Bath Ultrasonic TECHNICAL SPECIFICATION: 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 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</p>	01	2,100

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	Certificate. Warranty: Warranty period shall be of three years starting from date of installation of equipment to the consignee end.		
55.	Electroencephalogram (EEG) 32 Channel on Cart with photic Stimulator and Video Monitoring System TECHNICAL SPECIFICATION: NO. OF CHANNELS: 32 Channels of EEG (7 active/reference pairs). TYPICAL MAINS NOISE REJECTION: >120dB at 50 or 60 Hz minimum. NOISE: <2 µV. IMPEDANCE MEASUREMENT RANGE: 0-50K ohms. SENSITIVITY: 19 STEPS BETWEEN 0.5 – 1000 µV/MM. SAMPLING RATES: 24 KHz PER CHANNEL. STORAGE RATE: 250 Hz or 500Hz. ANTI-ALIASING FILTER: >40 dB. CALIBRATION: SQUARE WAVE. 50 µV, 0.5 HZ. LOWCUT FILTER: (0.16 – 10HZ) at 250Hz or 500Hz storage rate. HIGHCUT FILTER: (10 – 100 HZ) at 250Hz storage & (10 – 200Hz) at 500Hz NOTCH FILTER: 50 OR 60 HZ. CONNECTION: USB connection to acquisition PC. ANALOG-TO-DIGITAL CONVERSION: 20 BIT. PHOTIC STIMULATOR: Rates from 1-60Hz PRINTING SYSTEM : B & W LASER PRESET MONTAGE: PROGRAMMEBALE. - UNIT SHOULD HAVE USER DEFINED VIEWS AND SETTINGS. - UNIT SHOULD HAVE MEASUREMENT TOOL FOR EEG WAVE FORM. - UNIT SHOULD HAVE REPORT GENERATION UTILITY. - UNIT SHOULD HAVE DATA BASE (MANAGEMENT OF PATIENT FILES AND USER SETTINGS). - UNIT SHOULD HAVE FEATURE OF IMPEDENCE CHECK. - UNIT SHOULD BE ABLE TO PERFORM SPLIT SCREEN, TIME, MONTAGE DISPLAY FACILITY TO EEG MACHINE. - UNIT SHOULD HAVE SATELITTE VIEW FEATURE TO VIEW AT LEAST 100 PAGES ON ONE SCREEN. - RETROSPECTIVE PAPER SPEED, FILTER, AND SENSITIVITY RESCALING. - POWER REQUIREMENT: 220V AC, 50 HZ, SINGLE PHASE, WITH HIGH FREQUENCY FILTERS, FLOATING INPUT, STABILIZED POWER SUPPLY. - ORIGINAL CART. - OFFERED EEG SYSTEM SHOULD HAVE MULTI-MODALITY OPTION SUCH AS (EEG+EMG), IF REQUIRED IN THE FUTURE.(THIS SHOULD BE QUOTED AS MANDATORY OPTION) OPTIONAL: - HL7CLIENT. - REMOTE INPUTBOX. - REMOTE VIEW. - DIGITAL VIDEO. 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	01	156,000






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	<p>Certificate.</p> <p>Warranty: Warranty period shall be of three years starting from date of Satisfactory installation of equipment to the consignee end.</p>		
56.	<p>Electromyography (EMG)2 channel on Crat with Desktop computer Core i5 Video Accosted System</p> <p>TECHNICAL SPECIFICATION:</p> <p>System Overview: The product platform should be based on the newest technology less than ten years old. The Operating System should be the latest – Win10, 64 bit or better The Software should be the latest development with free software upgrades for the lifetime of the system. System should have Ultrasound/Color Doppler from same manufacturer of EMG Built-in.</p> <p>System Application: General Software Features: The software should be designed to Reduce Examination Time, Improve Workflow and Maximize Clinical Information. One button to access Patient management, System Setup and Support. User specific protocols and test setup. On-line report and test summary overview. Auto Findings Composer (automatic comparison to norms and creation of sentences for NCV, F, H, EMG and EP findings) to generate the report. MS Word based report generator.</p> <p>Diagnostic 3D Anatomy View that shows muscle and nerve as ‘Green’ as normal and ‘red’ as abnormal. Anatomy View can be added to the report. The EMG/NCS software should be capable to capture screen for training, presentations or research purpose during clinical procedures. Should have option of real time on-line interference pattern analysis (turns/amplitude). Quantitative EMG software (turns/amplitude analysis, automatic multi-MUP analysis) included in basic EMG software.</p> <p><u>Nerve conduction study (NCS):</u> Motor Nerve Conduction Study. Sensory Nerve Conduction Study. Repetitive Stimulation. F-wave. H Reflex. Blink Reflex.</p> <p><u>Electromyography (EMG):</u> Routine EMG, Triggered EMG, Multi MUP Analysis, Auto Multi MUP Analysis, Interference Pattern Analysis. EMG protocols (free run and capture mode) - Buffer Playback with audio (up to 10 minutes) - Unlimited Buffer Storage.</p> <p><u>EMG Amplifier:</u> No. of channels: 2 (Must Upgradable up to 12 channels to be confirm by manufacturer). Common Mode impedance: >1000 Mohm. A/D Conversion: 16 bit. Noise: <0.6 μV rms. CMRR at 50 or 60 Hz: Non-switched channels: >115 dB. Switched channels: >90 dB. Sensitivity: 2, 5, 10, 20, 50, 100, 200, 500 μV/Div; 1, 2, 5, 10 mV/Div. (Additional sensitivity values of 0.05, 0.1, 0.2, 0.5, 1.0 μV/Div in NCS protocol). Sweep speeds: 0.1 to 1000 ms/Div in 23 steps.</p>	01	117,000

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High cut filters: 2-pole (12 dB/octave). Selectable at 30, 50, 100, 200, 300, 500 Hz; 1, 1.5, 2, 3, 5, 10, 15 kHz.

Lowcut filters: 1-pole (6 dB/octave). Selectable at 0.3, 1, 2, 5, 10, 20, 30, 100, 150, 500 Hz.

Notch filter: 50 or 60 Hz, plus 3 programmable notch filters.

Impedance Measurement: Active, Reference, and Ground inputs. 20 Hz signal, 100 to 100k Ohm. Amplifier should have facility of Electrode Check Circuit (built into amplifier). This checks the quality of your electrodes and cables.

Calibration Signals: 50, 100, 1000, and 10,000 μ V square wave at 100 or 1000 Hz.

Electrical Stimulator:

Hand-held control to store traces, adjust intensity, deliver single or multiple stimulations, polarity switching, etc.

Programmable buttons for NCS: Perform an entire NCS from the palm of hand. Control intensity, pulse width, distance, average on/off, nerve selection, site selection, and trace selection.

Programmable buttons for EMG: Run and stop EMG acquisition, adjust EMG gain control, store EMG snapshots, move back and forth in the EMG buffer, playback EMG buffer, test selections, and volume.

Pulse duration: 50 to 1000 μ s width, adjustable in 50- μ s increments.

Pulse shape: Monophasic or Biphasic.

Pulse types: Single, Pair, Train, Dual, Dual Train, Triple.

Repetition rates: 0.1 to 200 pps depending on stimulus type and sweep speed.

Electrical range: 0 to 100 mA, 400 V maximum voltage.

Resolution: 0.03 mA.

Safety features: Over current fault detection, High impedance detection.

Can be replaced with standard bar or ring electrodes.

Auditory Evoked Potentials (Optional):

ABR (Auditory Brainstem Response).

MLR (Middle Latency Response).

ECochG (Electrocochleogram).

P300.

Visual Evoked Potentials (Optional):

VEP (Visual Evoked Potentials) with pattern, flash, goggle and external stimulator.

ERG (Electroretinogram).

EOG (Electrooculogram).

Standard Accessories:

Concentric needles electrode 20mm.

Concentric needles electrode 50mm.

Cable for concentric needle electrode.

Ground electrode.

Surface stimulation electrode.

Conductive paste.

Abrasive cream.

Heavy Duty HP Laser Printer.

1KVA or Compatible Online UPS.

Local cart with Isolation Transformer and arm.

21 inch Color LCD.

Latest PC with Window 10 (64 bit) operating system.

Ultrasound Option:





Description:


Color, Doppler, digital, portable ultrasound diagnostic system

Modes:

B, B+B, 4B, M, B+M, B-steer, Color Doppler, Power Doppler (PDI), Directional Power Doppler (DPDI), Continuous Wave (CW) Spectral Doppler, Pulsed Wave (PW) Spectral

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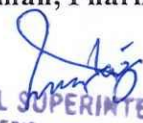
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	<p>Doppler, High Pulse Repetition Frequency (HPRF), Duplex (B+PW/CW), Triplex (B+ Color Doppler +PW/CW)</p> <p><u>Measurements:</u> B-mode and M-mode. PW-CW Spectral Doppler: Velocity, PG, PR, RI, etc. PW Doppler automatic tracing and calculations</p> <p><u>Probes/ Transducers:</u> 10 - 18 MHz Linear, 30mm 7.5 - 15 MHz Linear, 40mm 7.5 - 15 MHz Linear, 25mm (Small footprint) Wide bandwidth, multifrequency Automatic transducer recognition</p> <p><u>Imaging:</u> Automatically adjust US image size to screen resolution. Full motion and full-size real-time US. Imaging up to 120 fps. Zoom from 60 - 600% in all modes</p> <p><u>Save Formats:</u> AVI, JPG, BMP, PNG, TIF, XLSX, DCM, TPD, TVD</p> <p><u>Software:</u> Echo Wave II (32/64-bit Windows)</p> <p><u>Power Requirement:</u> Power supply 220V, 50Hz.</p> <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 Satisfactory installation of equipment to the consignee end.</p>		
57.	<p>CT Scan Machine 128 Slice</p> <p>TECHNICAL SPECIFICATION: Latest model having the latest hardware and advance software on console & standalone workstations. Must be having Dual Energy System as standard feature.</p> <p>GANTRY: System should be capable of 128 slices per rotation with 64 physical detectors Gantry bore/aperture to be at least 75 cm or more. Minimum gantry rotation time to be at least 0.5 sec or better for 128 slices per 360 degree rotation Minimum slice thickness: 0.625 mm or less</p> <p>TUBE Anode heat storage capacity of at (6 MHU) or more. Anode cooling rate of (850-1000) KHU/min or more Tube current 400Ma or more Tube Voltage 70/80 kv -135/140 kV or more</p> <p>GENERATOR: High frequency power generator with minimum power of at least (60) KW or more Should have ability to vary the power (400-600 mA or more) automatically in steps Real time dose reduction hardware/software Able to calculate patient dose in mSv before image acquisition (CTDI) Spatial resolution 0.35 mm/14 LP/cm or more</p> <p>DETECTORS: Solid state 64 physical crystals and ultra-fast ceramic detectors Isotropic voxel in all three axis.</p>	01	4,500,000

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. 
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Detectors and detector electronics capable of providing 128 slices per rotation with 64 physical detectors or more.

Detector width 40 mm or more per gantry rotation

COUCH:

Dual motorized control (from console and gantry) of table movements in horizontal and vertical axis

Maximum weight allowed on the couch up to 200 kg or more

Single acquisition scan range of at least 1.5 meters or more

CONSOLE COMPUTER:

System architecture and operating system must be based on latest technology (64 bit RISC/Quad core processor PC)

Multitasking and parallel processing

CPU system At least 4 GB RAM or more

Hard disc capacity for image storage of at least 200,000 uncompressed images or more

Reconstruction of at least 30 images per second or better at 512x512 matrix Console color monitor (01 No) LCD type of at least 24 inches or more with maximum viewing angle. Latest technology of image acquiring & reconstruction in 01 (one) wide screen monitor should be possible.

DVD/CD writer

Console software:

Latest cardiovascular & whole body software versions should be supplied at the time of shipment

True isotropic volume

Acquisition ECG gated acquisition

Automated contrast media bolus tracking software

3D Reconstruction & Display

Maximum and minimum intensity projections

Multi-planner and curved planer reconstruction

3-D Shaped surface display

3-D volume rendering software 3-D virtual endoscopy /colonoscopy/bronchoscopy CT

Angiography

Brain Perfusion analysis

Dose Control Parameters

(Online / Continuous) Dose display

CTDI, DLP, Dose Efficiency etc.

Iterative Reconstruction technique with dedicated dose reduction software and hardware

Automatic control of tube current over high and low attenuation areas for patient dose reduction

Pediatric scanning package including software

CT WORKSTATION – (QTY 2 NOS).

CT workstation should be FDA approved. All the manufacturers of CT will assure that the offered workstation has been supplied by them in USA, Europe and Japan

High Speed link to operator console on DICOM network

System architecture and architecture system

Dual Xeon/Quad core processor 8 GM RAM 1 TB Hard Disk

Graphic card & Network card

Licensed software: windows XP/NT or Linux; MS office, Norton antivirus (current and upgradeable)

Should have high resolution LCD/TFT medical grade 2 mega pixel monitor of 21 inches or more

DVD writer / CDR

Workstation Software:

Latest Cardiovascular Neurology and whole body software versions will be provided by the vendors

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<p>Following software should be include in workstation software application 3-D Reconstruction Display Maximum and minimum intensity projections Multi-planner and curved planer reconstruction 3-D shaded surface display 3-D volume Rendering software 3-D Virtual Endoscopy, Colonoscopy, Bronchoscopy. CT Calcium Scoring Comprehensive Cardiac Analysis Application, functional analysis Advanced coronary vessel analysis CT brain / Volume Perfusion. System must have artificial intelligence based deep learning reconstruction for highest image quality at lowest dose. This is mandatory requirement. (True Fidelity / Hyper DLR / Ai CE or equivalent)</p> <p>DICOM 3 DICOM 3 ready (multi-vendor and multi-modality compatible) for send, Receive, Archive, Retrieve and print, on main console and workstations with PACS compatibility & connectivity</p> <p>Power Requirement: Three-phase with line voltage of 200V, 50Hz or similar</p> <p>Third Party Accessories: Dual Head Programmable Power contrast Injector Online important Pure Sine wave 120KVA UPS or more for Whole CT System with 10 minutes backup Lead Apron with hanger (Front and Back) 0.5mm Pb equivalent Qty: 02 Lead Glass (5x3) feet 0.5mm Pb equivalent Lead Gloves x 02 pairs Film Printer for printing of films size up to 14x17" Table Accessories and patient safety accessories</p> <p>SITE PREPARATION & RENOVATION: Renovation of the equipment room and control room as per the international and PNRA standards shall b responsibility of the supplier. Including Air -Conditioning, and necessary furniture. The required room finishing vinyl flooring false ceiling and electrical work) shall be responsibility of the supplier.</p> <p>TRAINING: Four weeks Training of Technologist at center of excellence and one onsite Training of Technologist and Engineers.</p> <p>WARRANTY: Warranty five (03) years inclusive of all kind of spare parts including X-ray tube, Detector, UPS & UPS battery and etc.) Starting from the date of satisfactory complete installation and commissioning.</p> <p>Post Warranty Maintenance & Service Contract The system should have 95% of more uptime calculated on monthly bases. If the uptime falls short of 95% annually the following formula will be applied to determine additional days in the warranty / service contract period. * 100-96% penalty * 95-90% the warranty period will be extended by 01 times the number of days as extra down time * 89-80% the warranty period will be extended by 02 times of days as extra down time.</p>		
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	<p>* Below 80 % the warranty period will be extended by 03 times the number of days as extra down time.</p> <p>Other Terms and Conditions: List of trained engineering staff must be attached with the tender Certifications: ISO 9001, ISO 13485 and FDA 510 (k) both are Mandatory CE/MHLW/JIS any one Country of Origin USA, EUROPE, and Japan Only</p>		
58.	<p>Digital Radiography and Fluoroscopy with flat panel detector and remote controlled table system with Laser Printer for Dry (Digital) Films</p> <p>Technical Specifications Digital Radiography/ Fluoroscopy unit of high quality digital imaging chain, optimal dose conservation, high patient throughput with over table tube and Flat Panel Detector.</p> <ul style="list-style-type: none"> • The output of the X-ray high-voltage generator should be 80 kW. The X-ray control should use a high-frequency inverter. • The tabletop move approx. 30 cm in the lateral direction. The detector movement covers from edge to edge of the x-ray table. The table tilts should be from the upright vertical position (approx. +90°) to the horizontal position (0°) to the head-down-tilt position (approx. -90°). • The tabletop should be flat /convex type to allow patient centering with motorized vertical movement. • Built-in video C-Live Camera in collimator and two way intercom system <p><u>X-Ray Diagnostic Table:</u> Table tilting Tilt range: Upright vertical position (approx.+90°) Horizontal position (approx. 0°) Head-down tilt position (approx. -90°) Compression force of the compression cone: 80 N (3-15KG) or more Allowable patient mass: Max. 280kg minimum.</p> <p><u>X-Ray High Frequency Generator:</u> Ratings High-voltage generation method: Inverter method Short-time ratings: 800mA at 100kV. Nominal maximum electric power: 80 kW</p> <p>Radiography Radiographic tube voltage setting range: 40 kV to 150 kV, in 1-kV increments Radiographic tube current setting range: 25 mA to 1000 mA Radiography time setting range: 1.0 ms or less Automatic Exposure Control (AEC): Anatomical Settings should be available Radiographic condition automatic setting: The radiographic conditions should be automatically set X-ray tube anode heat monitoring: Fluoroscopic tube current setting range: 0.5 mA to 20.0 mA Automatic Brightness Control (ABC) function</p>	01	1,350,000

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Pulsed rate setting range variable up to 30 frame/s

X-Ray Tube:

Focal Spot (mm): 0.6/1.0/1.2 or less

Anode Heat Storage Capacity of 800KHU or more.

X-Ray beam limiting device:

X-ray exposure field size 43x43cm

Built-in light field lamp.

FLAT PANEL DETECTOR:

CSI Type with size 17"x17" (43x43cm)

Effective number of pixels: 2840 pixels × 2840 pixels (vertical × horizontal)

Pixel size: 148um or better.

DQE: 60% or better.

Spatial resolution: 3.4 lp/mm or more

Λ/D conversion 16bit

DIGITAL IMAGING SYSTEM:

Basic image processor performance Images from the detector should be input in digital format.

Image storage

Capacity of hard disk: 50,000 images for 1024 × 1024 or 1TB HDD

Image display Monitors

a) One System monitor display for Playback images, processed images, multi- images, etc.

b) Monochrome Medical grade Live monitor 1280 × 1024 pixels (SXGA) for Digital fluoroscopic images, fluorography images, playback images two in room with Original Trolley

Fluoroscopic function

Image processing

· Recursive filter

· Last image hold

· Image flipping

· Spatial filter (edge enhancement, smoothing)

· Digital Compensation Filters.

Recording

Fluoroscopic image and last-image-hold image can be stored to hard disk.

Fluoroscopic image acquisition

Frame rate variable up to 1-30fps

Fluorography function

Images should be recorded to hard disk processed, and displayed on the monitor.

Real-time image processing: Digital Noise Filter.

Post processing

Gray scale: Adjustment of contrast and brightness

Three Tray Laser imager 650DPI with multi-sizes Printing of 14" x 17" and 8 "x 10".

Provision of DICOM 3.0 facility (Print, Store, Query & retrieve)

Power Requirements


Line voltage: Three-phase, 380-440VAC

Line frequency: 50 Hz

Permissible line voltage fluctuation rate (no load): ±10%

Country of Manufacturer : USA, Europe & japan


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	<p>Optional(If required) Online sine wave 160KVA Double Conversion compatible UPS for digital radiography system with a minimum backup time of 10 minutes on full load.(Imported Online imported ups for complete system (Optional) SITE PREPARATION & RENOVATION: Renovation of the equipment room and control room as per the international and PNRA standards shall b responsibility of the supplier. Including Air -Conditioning, and necessary furniture. The required room finishing vinyl flooring false ceiling and electrical work) shall be responsibility of the supplier. Warranty 03 years from the date of satisfactory installation. Including X-ray tube, flat panel detector, Printer and etc. Training One-week of onsite application training of radiologists/technologists. Quality & safety standards: 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 to the consignee end.</p>		
59.	<p>500 mA/ 150KV Digital X-Ray Machine with Universal Tube stand and Mobile Table including 1 No Flat Panel Detector and workstation Technical Specifications Microprocessor based Floor mounted X-Ray Unit. High frequency, 50kW X-Ray generator. 500 mA at 100 kV kV Upto 150 kV with range from 40 to 150 Anatomical Programmed Radiography. Main Console with 23" or more Touch screen Display of all set parameters 8" or higher digital display on Tube head for additional control and precise working on the X-ray table side Rotating anode X-Ray tube, with dual focus 0.6 & 1.2 mm. Anode heat storage capacity of at 400 KHU or more Electronic timer with exposure time of 1msec. System with AEC facility for Table and Chest Stand including accessories Chambers etc. Capable of lateral Radiography. 4-way floating X-Ray Table having Weight capacity 290Kg or more Chest stands with Bucky Complete with grid 10:1 ratio. Automatic over-load protection device and automatic line compensation. 3-phase, 380 V, 50 Hz. One wireless Flat Panel detector with active image size of 14"x17" or better Cesium (CsI) scintillator or better Pixel size 140 µm or better. Hot swap feature for easy battery change. Spatial Resolution 3.5 lp/mm or better or DQE 70% or more. Matrix size approximately 2520x 3000 or better 16 bits or better detector depth.</p>	01	450,000






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	<p>High-resolution digital imaging reconstruction. Image display with DICOM network connection, complete with 19-inch or more color TFT display. Intel Core i3, 3.6 GHz, Memory 16 GB, Hard Disc 500GB or better. Storage of Minimum 5,000 or more images. Imaging System should be capable of patient and study Administration Exposure and post processing Image documentation, archiving, display of image markers. Organ program selection and configuration. Image processing functions such as rotate, mirror, zoom, window, filter, insert comment line and system must have Pneumothorax, Smart Grid, Tube and line Visualization, Padiatric Imaging & Bone suppression software. DICOM 3.0 (Print, Store, MWL) fully comply. Three-Tray DICOM 3.0 compliant dry LASER printer 650DPI Resolution with output of 160 films of 14x17/hour X-Ray Machine, FPD detectors, imaging software and Dry LASER printer should be from the same manufacturer. Lead Apron (0.5mm lead eq) Two with hanger. The firm shall be responsible for Lead Lining in the X-Ray Room (approximate size 20x20 ft) and coordinate with the PNRA for getting required certification/ approval.SITE 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 to the consignee end.</p>		
60.	<p>OPG Dental X-Ray Unit Specification: DIGITAL OPG with Dicom Printer ADULT / CHILD PANORAMIC Panoramic exposure programs calibrated on patient build to adapt X-Ray doses accordingly. Users can select the area of diagnostic interest for complete or partial analysis.</p> <ul style="list-style-type: none"> • Quick PAN or standard exposures • Complete for partial analysis. <p>DENTITION AND BITEWING Study of dentition with optimized interproximal projection for improved periodontal control. Collimation on the crowns for patients unable to tolerate intraoral bitewings, as they are more comfortable and less intrusive.</p> <ul style="list-style-type: none"> • Increased orthogonality • Adapted collimati <p>TEMPOROMANDIBULAR JOINTS Simpler assessments of the temporomandibular situation thanks to latero-lateral antero-posterior images, 4 X-Rays in a single scan.</p> <ul style="list-style-type: none"> • Mouth open or closed • Sagittal & Coronal <p>MAXILLARY SINUSES</p>	01	195,000



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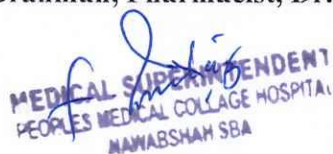
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	<p>Characterized by a special image layer that provides X-Rays in which the maxillary sinuses are clearly visible.</p> <ul style="list-style-type: none"> • Frontal • Lateral <p>Technical characteristics:- IMAGES 2D Type Adult & Child panoramic* QuickPan , MultiPan, “ Bitewing”, :dentition, PA and LL (right & left) maxillary sinuses, Temporomandibular joint (2 x LL +2 X PA) open & closed mouth. Child examination YES Maximum resolution from 5 to 7 lp/mm Maximum field of view (mm)280(length); 150 (height) Reduced fields of view (cm) 6 x 12.5* (child) 6 x 9* (Dentition bitewing) Maximum image dimensions 7.5MB Magnification PAN 1.2 -1.3 Scan time PAN 12s (STD) – 6.6s (QuickScan) Typical effective dose (ICRP 103) PAN : 5-9 µSv Minimum images display times Real time torque of 1.5 Ncm (40 root canal treatments on average reported Quick Charge The devices quick charger fully recharges your battery in 2 hours. Your Battery is protected against short circuits or any heating during the charging process, ensuring complete safety. A red indicator light indicates that the battery is in safety lockout. 10-memory setting It has 10-memory settings for programming as many torques and speeds corresponding to each of the files used. Programming is easy & straight forward.</p> <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 to the consignee end.</p>		
61.	<p>Color Doppler Advance with 3 Probes and Printer Technical Specifications Main Characteristics: 1) B-MODE Specification: a) Viewing Depth: 50 cm or better. b) Frame Rate: 1000 f/sec or more in B Mode c) Built-in cine loop with ability to vary reverse and slow motion of display; Internal Memory 900 or more. d) Real time and Freeze Image Magnification at least 10X or more with panning for Real, Freeze and Memorized Images. 2) M-MODE SPECIFICATION: a) Magnification: X2 or more. b) Sweep Speed: Slow, Medium and Fast. c) Color Display of M-Mode. 3) D-MODE SPECIFICATION:</p>	01	165,000

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- a) Pulse-Wave Doppler Measure able Velocity Range.
 b) HPRF Doppler.
 c) CONTINUOUS-WAVE DOPPLER:
 - Measurable Velocity Range: Steerable.
 - Must have Doppler Beam Steering and Bi-Directional Stereo-Audio.
- a) Colorized Spectrum Display.
 b) Automatic Baseline and Velocity Range Control.
 c) Live Measurements for Doppler Spectrum
- 4) COLOR DOPPLER MODE SPECIFICATIONS:**
 - Both CW and PW Doppler must be Continuous Steerable in the Color Blood Flow Image Mode in Real Time.
 - 2D Image with Color, CW and PW Doppler.
 - Windows based System for easy usage with Programmable Control Panel Keys.
 - Tissue Harmonic Imaging with 4THI or more Frequency.
 - Power Doppler.
 - Triplex Mode for Simultaneous Display of Color B/M and D-Mode Displays.
 - 300db system dynamic range or more.
- 5) MEASUREMENT PACKAGE:**
 To provide Comprehensive Software Package for Measurement of Distance, Circumference, Area, Time Depth, ANGLE, Velocity, Frequency, Heart Rate, Volumes, Nuchal Thickness/ Measurement Software to be Provided as a Standard.
- 6) SYSTEM COMPLETE WITH FOLLOWING FACILITIES AND ACCESSORIES:**
 - 23-Inches Minimum LCD / LED Color Monitor, with Resolution 1920 x 1080 Pixels minimum.
 - 4 Active Transducer Connector for Tran thoracic Probes

Storage to be Built-in to the System.

- 128 GB or more Hard Disk Drive to be Built-in to the System.
- Touch Command Screen Control at least 12-inches LCD / TFT.

7) STANDARD RECORDING DEVICES:

- 8) Tissue Harmonic imaging without contrast with harmonic frequencies.
- 9) HD-THI / CPI / Coded Harmonic Imaging /Differential Tissue Harmonic Imaging or similar.
- 10) Auto Image Optimization / Quick Scan Imaging for Automatic STC / GAIN and Doppler Spectrum Adjustment with Optimal Image Quality by using One Touch Operation.
- 11) B-Flow / Dynamic Flow Imaging / E-Flow clarify for low flow vessels imaging.
- 12) Trapezoid Imaging / Virtual Convex Imaging with Linear Probe.
- 13) Compound / Aplipure Imaging for THI/both Frequency Compounding and Spatial Compounding in B/W and Color Mode.
- 14) Voltage : 220V – 240V, 50 / 60 HZ
- 15) ATT / TAI/QUS/UGAP/Attenuation to provide the capability to measures and visualize the attenuation coefficient to the tissue for fatty live evaluation.

STANDARD PROBES:




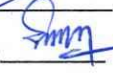

- 2-6 MHz Multi-Frequency Convex Probe for B/M/CDI/PW with shear wave Electrography.
- 7-14 MHz Multi-Frequency Linear probe with shear wave Elastography.
- TVS / ENDOCAVITORY Color Probe with shear wave Elastography.

ACCESSORIES:

1. Thermal Printer 256-Gray scale (Sony, Mitsubishi or equivalent)
3. UPS: on line with sine waves 2 KVA with thirty minutes back up time. (IMPORTED)
3. 50 High Density / High Glossy thermal paper Rolls
4. Gel: 20 liters

Optional (mandatory to quote):

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	<p>8-18 MHz Multi-Frequency Linear Probe Fusion imaging of CT / MRI 3D volume data to synchronize and overly with ultrasound imaging, complete with hardware. Breast-body map/breast scan guide to overlay position between mammogram with ultrasound image. 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 to the consignee end.</p>		
62.	<p>Color Doppler for Echocardiography with 2 probes and Printer TECHNICAL SPECIFICATION: Complete dedicated digital Echocardiography unit for wide range of premium performance application of cardiovascular imaging in pediatrics and adult. Mobile trolley mounted system with built in workstation / data management system for digital acquisition, storage and review of complete ultrasound studies including static and dynamic clips in DICOM format, read/write zoom. Studies can be reviewed and output to CD / DVD/MOD. The machine must have sharp and high quality image reproduction with heavy duty performance. System frequency range up to 22 MHz. Technical Specifications Display: High resolution non-interlaced, flicker free. Display size Min. 23" or more LCD/TFT, tilt able and swiveable type. Operating Modes: B, 2D M-Mode, Power Doppler, HPRF, Spectral Doppler, Color Doppler, Velocity Mode, PW Doppler, Duplex And Triplex Doppler, CW Doppler Steerable and ECG Gating, Control Panel: Alphanumeric keyboard with built-in trackball. 12" touch control Panel 4-Active Transducer Connectors for Transthoracic probes and one for pencil probe. Direct access to system functions through dedicated keys. Indicator lights identify activated keys. Audio volume control with bidirectional / stereo speakers and foot switch User selectable image magnification control. Adjustable transmit focusing control. - 128GB SSD or more for fast boot and quick operation - 1000 GB or more Hard Disk Drive to be Built-in to the System. Caliper / Measurements: 6 to 8 calipers for measurement per screen trace length measurements for: Distance, angle, distance depth from skin line, area, circumferences, compound / volume, slope, time, heart rate and acceleration. Application: Cardiac, Peripheral, pediatric, adult cephalic and trans esophageal with all required software for measurements Operating Modes: 2D tissue, 2D angio flow, color M-Mode, tissue velocity M-mode, tissue strain imaging, disynchrony imaging, continuous wave Doppler, tissue m-mode, pulse wave Doppler, tissue velocity imaging, tissue tracking, tissue synchronization, blood flow imaging, blood flow angio flow imaging.</p>	01	126,000

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Display Modes:

Live and stored display format: full size and split screen. Review image format: for still and cine, simultaneous capability B+PW, B+ CFM/TVI+PW, CW, B+ or triplex mode, B+ color split screen display.

Tissue Imaging, 2D mode, , M-mode, color Doppler imaging, color flow imaging, color Doppler imaging, color angio, color m-mode, blood flow imaging, blood flow angio imaging, tissue velocity imaging, tissue velocity imaging mode, tissue synchronization imaging mode, PW / IPRF Doppler, CW Doppler, contrast imaging, LVO Contrast, Vascular / abdominal contrast, vascular calculations, cardiac measurements.

Frame Rate

Min. 500fps in B-Mode and 100fps in Doppler mode.

Cine Memory

Min. Cine Memory for 1000 frames or 250MB min.

Image Viewing Depth:

20 – 280 mm or more for cardiac application

Imaging Modes / Techniques:

Tissue harmonic Imaging, Tissue Doppler Imaging, Color Angio, Tissue Velocity Imaging

Tissue Imaging

(Display real time Doppler shift information from moving tissue to better visualize and quantify myocardial function). Capability to display time difference in myocardial motion in color for CRT (Cardiac resynchronization therapy. Quantitative strain rate imaging; An advanced quantitative technique of Tissue

Doppler Velocity

Strain rate is a measure of the contractile motion of myocardium. Auto-Tracking contrast quantification: quantitative technique for on-line assessment of contrast agent images.

Contrast Plus Sequencing Technology: a real time, low mechanical index, non-linear imaging technique for contrast agent examinations. The software should have the capability to show contrast agent only, tissue only or contrast and tissue displays. Contrast Harmonic Imaging capability. Vascular imaging software for carotids with IMT measurement.

Stress Echo

Integrated multi stage stress echo system for advance and flexible stress echo Acquisition and measurement for LV B-Mode imaging. Quantitative analysis for contrast during stress examinations Used with TDI protocols.

Storage Device

Built-in MOD/CD / DVD Drive WITH 10 DISKETTES.

System Dynamic Range Dynamic range minimum 300 dB or more

Communication Software System should conform to DICOM 3 communication software for: Image Storage, print, Query / Retrieve, Network Communication

Standard Transducers:

Linear Probe multi frequency 6.0-8.0 MHz.

Multi frequency Phased array sector probe 2.5 – 4.0MHz.

Multi frequency Phased array sector probe 5.0 – 8.0MHz.

CW Pencil Probe

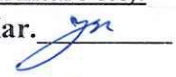


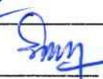
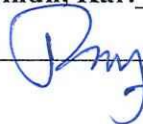
Accessories:

1. Thermal Printer 256-Gray scale (Sony, Mitsubishi or equivalent)
3. UPS: on line with sine waves 2 KVA with thirty minutes back up time. (IMPORTED)
3. 50 High Density / High Glossy thermal paper Rolls
4. Gel: 20 liters

Optional (Mandatory to quote):

1. Multiplan TEE Transducer (3-6 MHz) for adults
2. Multiplan TEE Transducer (4-6 MHz) for Peads

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	<p>3. Multiplan TEE Transducer (4-7 MHz) for neonates. 4. Fetal Heart Myocardial Performance Index (MPI) to be calculated from the time change curve in TDI. 5. AI Cardiac Measurement for Auto EF LV/LA, Auto TR, LVOT, Auto AO 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 to the consignee end.</p>		
63.	<p>Ultrasound Gray scale with 2 probes and Printer Technical Specifications: Multi frequency 3.5 MHz Convex Probe Modes: B.M and combination thereof M. Mode sweep: 4 speed or more Gray scale: 256 Sensitivity time gain: 8-12 steps Depth: 30cm or more Focusing system: 3 steps and dynamic Adjustable acoustic power Frame rate: 250 frame / sec or more Keyboard: Alpha numeric with track ball Tissue Harmonics: Tissue Harmonic imaging Cine memory of 64 frames minimum Image storage with review facility. USB Ports Post processing: Image inversion, edge/echo enhancement correlation / persistence/Dynamic range/Gamma Curve. Image magnification 4x or more in real time. Monitor: 12" LCD / TFT Two probe connectors or more Accessories: 1. Thermal Printer 256-Gray scale 2. 50 High Density Rolls 3. Compatible UPS 4. Gel: 20 liters Optional: Multi frequency 5.0 MHz Linear Probe Multi frequency 5.0 MHz TVS Probe 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 to the consignee end.</p>	02	90,000

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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 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

1.1 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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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 Peoples Medical College Hospital Shaheed Benazirabad**. 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.

$$\frac{\text{Value of lowest bidder}}{\text{Value of higher bidder}} \times 30$$

[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%

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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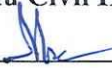



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SECTION B
Supply of Hospital & General Furniture

S. No	Name of items	QTY	Fix Bid Security
1.	<p>Revolving Chair (Medium Back) Specifications: - Medium back with arm rests revolving chair - Molded P U Foam - Seat: 20" x 18" - Fabric upholstered seat & back cushions - High quality gas spring lift for height adjustment - OR Equivalent 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>	68	1,440
2.	<p>Office Table (L48" x D30" x H30") Specifications: - wood frame with lamination top in heavy duty finish - Three drawers on one side with handles, locks and sliding on imported rails in full extension - High quality matt finish wood lacquer polish - Dimensions: L 48" x D30" x H30" - OR Equivalent 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>	51	900
3.	<p>Office Chair Specifications: Round Shape made of sheesham wood Polish in good material. Seat back cushioned with cloth and foam(Master Foam). - OR Equivalent Country of Origin: 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>	23	720
4.	<p>Patient Revolving Stool (SS Top) Specification: • Legs are made by 1" Round Pipe in 16 Gauge • Top is made by Stainless Steel • Finished by Epoxy Powder Coated OR Equivalent Country of Origin: IMPORTED/ EXPORT QUALITY. Should be: ISO-13485, CE/ ISO-14001 (Anyone).</p>	24	4,320


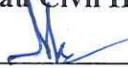



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5.	Wheel Chair Fixed with IV Pole & File Holder TECHNICAL SPECIFICATION: 1) Dimension: 32" X 28" X 20" 2) Main Frame Constructed From 16swg MS Round Pipe 3) Seat And Back Upholstered With Foam & Rexene 4) Arm Rest Of Plastic 5) Rear Wheel Of 8" Non-Swivel Type 6) Front Wheel Of 5" Swivel Type 7) Rubber Bumpers On Chair Sides 8) Holder For Iv Pole On One Side 9) Utility Basket Underneath Imported/Export Quality ISO Certificate 9001- 13485	48	21,600
6.	Stretcher Trolley with 8" Castors TECHNICAL SPECIFICATION: Mattress platform is two sections, one crank. Mattress made of compressed foam with 60 mm thickness or better Backrest and Trend/Rev. Trend adjustments are manually with two Foldable jack system. Folding side rails Washable and disinfectable Airflow capability under the mattress Four castors with two independent brakes Four rubber bumpers in each corner IV stand holder in each corner Stretcher transferring handle Oxygen cylinder holder Backrest angle 0° - 45° or better Trend / Rev. Trend angle +15° / -15° or better Max. load 250 kg or more Country of origin: Imported/Export Quality ISO Certificate 9001-	18	18,000
7.	Examination Light (Wall mounted) Technical Specifications <ul style="list-style-type: none"> ➤ Should have central illuminance EC (100 cm) [lx] =60,000 or better ➤ Should have Electrical dimming capability from /to [lx] 30,000-60,000 ➤ Color Temperature [k] should be 4,500 or better ➤ Focusable size of light field d10 at a distance of 1m should be 170mm or better ➤ Color rendering index Ra in any color temperature configuration should be 96 or better ➤ Red Rendering index should be 96 or better ➤ Led Life Time must be at least >60,000 hours or Better Country of Origin: EEC, USA or UK	35	51,000


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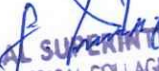
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8.	Waiting Area Bench (5 Seats) TECHNICAL SPECIFICATION: 1) 5 Seats Capacity Bench 2) Weight Capacity 340 Kg 3) Seat And Back With Arm Rest 4) Electrostatic Epoxy Powder Coated Paint Finish 5) Or Equivalent Imported/Export Quality ISO Certificate 9001- 13485	84	102,000
9.	Examination Couch Specifications: - Dimensions: 72" x 24" x 28" - Body frame made up of 16SWG 1¼" MS round pipe - Welded base for stable operation - Backrest adjustable, 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 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.	40	20,400
10.	Ceiling Aluminum Rail System with Hospital Grade Curtain TECHNICAL SPECIFICATION: Standard Imported/Export Quality ISO Certificate 9001- 13485	40	30,600
11.	Clinic Emanation Trolley TECHNICAL SPECIFICATION: Frame is 1 ¼ square pipe is in 16 gauge with 2 inch cushion side railing and 5 inch wheels finish by epoxy powder coated. Country of origin: Imported/Export Quality ISO Certificate 9001- 13485	36	40,800
12.	Foot Step Double TECHNICAL SPECIFICATION: 1) Base Frame Made From MS Tubular Pipe 2) Double Step Of MS Sheet Duly Covered With Rubber Mat 3) Rubber Boot On All Feet For Floor Protection 4) 7) Electrostatic Epoxy Powder Coated Steel Finish Country of origin: Imported/Export Quality	40	5,610
13.	Wall Cabinet (3 Door) TECHNICAL SPECIFICATION: Standard. Country of origin:	34	15,300






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	Imported/Export Quality		
14.	Notice Board TECHNICAL SPECIFICATION: 36 x 48 Country of Origin: IMPORTED/ EXPORT QUALITY	36	6,120
15.	Visitor Chair Specification: - Seat and back Cousin foam warranty 10 years woodenframe she sham wood best quality polish finished artificial leather. 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.	70	16,320
16.	Patients Revolving Stool (SS Top) TECHNICAL SPECIFICATION: 1) Revolving Patient Examination Stool 2) Top Made Of Molded Stainless Steel Sheet 3) Central 1 3/4" Ms Round Pipe Fitted Together By 5/8" Ms Round Pipe For Stability and Strength 4) Rubber Boot On Feet For Floor Grip 5) Electrostatic Epoxy Powder Coated Paint Finish Country of Origin: IMPORTED/ EXPORT QUALITY. ISO Certificate 9001- 13485	36	6,120
17.	Emergency Crash Trolley TECHNICAL SPECIFICATION: 1) Cart Dimension : 46 X 65 X 99cm 2) Overall Space Requiring Dimension 58 X 88cm 3)Trolley Mobile On Four Rubber 5" Swivel Castor (Two Lockable) 4) Wrap Around Rubber Bumper Provides Protection Of Trolley 5)Fitted With Four Drawer Having Central Locking Plate Exteriorly 6) Drawer's Depth's : 1st 7cm, 2nd 7cm, 3rd 17c<, 4th 27cm 7) Recessed Stainless Steel Tray Top For Instrument Safety 8) Single Oxygen Cylinder Holder Positioned At One Side 9) Fitted With Utility Basket And Easy Push Handle 10) Trolley Body Epoxy Powder Coated In Red Colour Or Equivalent ACCESSORIES: 1) Side Shelf Collapsible For Writing Notes 2) Cardiac Board (40 X 55cm) 3) Drawers Divider Set (For Top Three Only) 4) Iv Pole Country of Origin: IMPORTED/ EXPORT QUALITY. ISO Certificate 9001- 13485	01	1,800
18.	Reception Counter Specification: • Dimension: 72x30x42 inch (LxDxH) • Complete in Lamination finish with PVC edges. • Working top with soft board in front.	02	3,000

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	<ul style="list-style-type: none"> • Wooden leg structure & front. • Open shelves under the drawers. • Marble on the top of the counter. <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>		
19.	<p>Workstation Counter (Reporting Room) TECHNICAL SPECIFICATION: 1) COUNTER FOR 2 PERSON 2) MANUFACTURING IS IN LAMINATION SHEET WITH MOBILE BOX WITH 3 DRAW STANDARD SIZE Country of Origin: IMPORTED/ EXPORT QUALITY. ISO Certificate 9001- 13485</p>	01	7,500
20.	<p>Sonologist Chair TECHNICAL SPECIFICATION: Dimensions: - Overall: 23.5" w x 19.5" depth - Height Adjustable: 38-47.9 - Seat: • Width: 19.3" • Depth: 14.5"-18.1" • Height: 22.5"- 31.9" • Back: 23.5" w x 17.3" h Weight Capacity: 250 lb (113.6 kg) Country of Origin: IMPORTED/ EXPORT QUALITY. ISO Certificate 9001- 13485</p>	04	2,160
21.	<p>File Cabinet Four Drawer Specification: • Four drawers with lock, constructed from 1mm steel sheet. Central drawer locking system, High quality PaintFinish. • Size: 52x18x24. - OR Equivalent 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>	05	3,750
22.	<p>Waiting Area Bench 03 Seats TECHNICAL SPECIFICATION: 1) 3 Seats Capacity Bench 2) Size : L 175cm X W 65cm X H 77cm, 48cm 3) Weight Capacity 340 Kg 4) Seat And Back With Arm Rest 5) Electrostatic Epoxy Powder Coated Paint Finish 6) Or Equivalent Country of Origin: IMPORTED/ EXPORT QUALITY. ISO Certificate 9001- 13485</p>	16	10,800

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23.	Blood Collection Counter 2 ft. x8 ft. (for3 station) TECHNICAL SPECIFICATION: 2 x 8 x 30 / 42. Ft. For 3 person Country of Origin: IMPORTED/ EXPORT QUALITY. ISO Certificate 9001- 13485	02	4,800
24.	Patient Revolving Stool (SS Top) TECHNICAL SPECIFICATION: 1) Revolving Patient Examination Stool 2) Top Made Of Molded Stainless Steel Sheet 3) Central 1 3/4" MS Round Pipe Fitted Together By 5/8" MS Round Pipe For Stability And Strength 4) Rubber Boot On Feet For Floor Grip 5) Electrostatic Epoxy Powder Coated Paint Finish Country of Origin: IMPORTED/ EXPORT QUALITY. ISO Certificate 9001- 13485	06	1,080
25.	Steel Rack for Shelves TECHNICAL SPECIFICATION: 1) Material: Iron 2) Shelf Is In 22 Gauge Galvanized Sheet 3) 04 Angles Is In 14 Gauge With 05 Section Or Equivalent Country of Origin: IMPORTED/ EXPORT QUALITY. ISO Certificate 9001- 13485	04	3,600
26.	Washing Station SS with Single Sink & Wash Gun Set TECHNICAL SPECIFICATION: Built in/ External Ultrasonic Generator Adjustable ultrasonic power Stainless steel construction Digital temperature and timer control Removable SS Mash Basket Wash Gun with complete set Air Gun with complete set Sink Single Bowl High quality Tap Quality & safety standards: ISO 13485 (Mandatory),FDA/CE/MHLW/JIS Country of origin and manufacturers: USA/EUROPE/JAPAN or equivalent Warranty 03 years from the date of installation.	01	13,500
27.	Packing Table SS TECHNICAL SPECIFICATION: Structure entirely made of AISI 304 stainless steel Table counter is 2 mm thick Instruments packing table single side Double upper shelves Fluorescent tube for the whole length of the table Table dimensions: 1800x800x850h mm IMPORTED/EXPORT QUALITY	01	3,750

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28.	Working Table with Phenolic Resin Top Suspended, Electric Sockets witer faucet TECHNICAL SPECIFICATION: Working Table with Phenolic Resin Top, Suspended Cabinets, Electric Sockets, Country of Origin: IMPORTED/ EXPORT QUALITY. ISO Certificate 9001- 13485	06	28,800
29.	Bunker Bed for Doctor Room TECHNICAL SPECIFICATION: 1) Modern Double-Layer Bed Design, Sturdy Iron Frame And Stable Structure 2) Heavy Duty 3) Standard Height Fence Standard Size Height Between Upper And Lower Berths 4) The Bed Bars On Both Sides Can Effectively Prevent The Mattress From Sliding 5) The Weight Capacity Of Lower And Upper Berth Is Standard. Country of Origin: IMPORTED/ EXPORT QUALITY. ISO Certificate 9001- 13485	02	3,600
30.	Sofa Set (3 Seater) TECHNICAL SPECIFICATION: 1) 3 Seater Sofa Set In Black Rexine Master Foam 10 Year Warranty. Country of Origin: IMPORTED/ EXPORT QUALITY. ISO Certificate 9001- 13485	03	1,800
31.	Center Table TECHNICAL SPECIFICATION: 1) Set Of 3 Pieces 2) Size : 4x2 Ft Height 18 Inches Plus 2x2x18inches Side Table 3) Frame Made Of Sheesham 4) Top Glass / Lamination / Sheesham Veneer , Spirit Polish Country of Origin: IMPORTED/ EXPORT QUALITY. ISO Certificate 9001- 13485	03	1,200
32.	Steel Almirah Specification: Size: 3"x6"x18" made of MS Sheet 20 gauge solid 4 shelves Inter lock system with fine quality brass handle Spray paint .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.	10	1,800
33.	Stretcher Trolley TECHNICAL SPECIFICATION: Mattress platform is two sections, one crank. Mattress made of compressed foam with 60 mm thickness or better Backrest and Trend/Rev.Trend adjustments are manually with two Foldable jack system. Folding side rails Washable and disinfectable Airflow capability under the mattress	06	9,000

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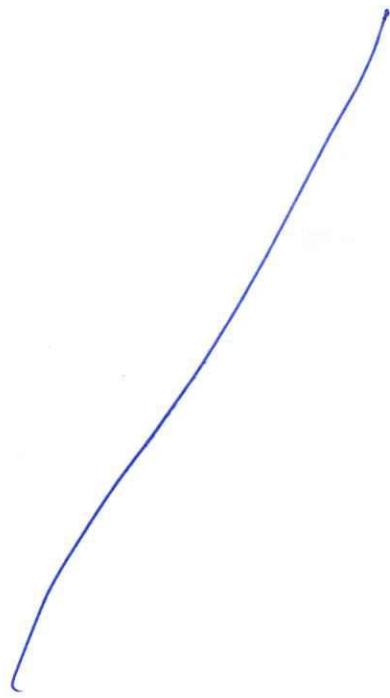
	<p>Four castors with two independent brakes Four rubber bumpers in each corner IV stand holder in each corner Stretcher transferring handle Oxygen cylinder holder Backrest angle 0° - 45° or better Trend / Rev. Trend angle +15° / -15° or better Max. load 250 kg or more Country of Origin: IMPORTED/ EXPORT 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>		
34.	<p>Reception Counter with drawer and cabinet TECHNICAL SPECIFICATION: SIZE: 96 X 24 X 30 / 42 WITH MOBILE BOX WITH 3 DRAW ALL IN LAMINATION SHEET Country of Origin: IMPORTED/ EXPORT QUALITY ISO Certificate 9001- 13485</p>	01	2250
35.	<p>Island Table TECHNICAL SPECIFICATION: Size: 1530 mm width unit. Island benches fitted from a combination of worktops and under cabinets to form a complete monolithic unit of high load bearing capacity. Should also be fitted with reagent shelves to carry bottles and chemicals and underneath the shelves there should have electrical chute unit with sockets on both sides. Sinks should be fitted at the end of the island bench Country of Origin: IMPORTED/ EXPORT QUALITY ISO Certificate 9001- 13485</p>	04	30,000
36.	<p>Microscopy Table TECHNICAL SPECIFICATION: Made by s steel size is 32 x 72 x 36 Country of Origin: IMPORTED/ EXPORT QUALITY ISO Certificate 9001- 13485</p>	02	600
37.	<p>Lab Work Table Specification: 1) Dimension : (L X W X H) 1100 X 600 X 800mm 2) All Stainless Steel Material Of 304 Grade 3) Top Shlef Of Stainless Steel Sheet 1.3mm Thickness 4) Legs Welded Together On Each Side With Stainless Steel Pipe 5) Maximum Load-Bearing 100kg 6) Or Equivalent Country of Origin: IMPORTED/ EXPORT QUALITY ISO Certificate 9001- 13485</p>	01	6,000
38.	<p>Side Shelf Tables TECHNICAL SPECIFICATION: Open side racks 30 x 14 x 48 Country of Origin: IMPORTED/ EXPORT QUALITY</p>	04	1,200

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	ISO Certificate 9001- 13485		
39.	Blood Donor Beds TECHNICAL SPECIFICATION: 1 Specification: Parameter Value Description Size of Donor Couch Length: 1828 mm; Width: 609 mm; Base seating and height: 660 mm. Additional hand rest 200mm width on each side. Power Consumption 230 Volts, 50Hz Castor wheels 4 Lockable castor wheels Compliance 73/23/EEC(LVD) 89/336/EEC (EMC) 93/68/EEC 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	10,800



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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 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

- 1.1 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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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 Peoples Medical College Hospital Shaheed Benazirabad 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.

$$\frac{\text{Value of lowest bidder}}{\text{Value of higher bidder}} \times 30$$

[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 C

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

S. No	Name of items	QTY	Fix Bid Security
1.	CCTV system with networking accessories: a) 4MP bullet camera b) 4 MP dome camera c) 8MP PTZ dome camera d) Video display 50'' e) Server and storage f) Decoders g) Keyboard (CCTV) h) Networking i) Online UPS j) Room access control lock Including complete cabling installation and commissioning TECHNICAL SPECIFICATION: a) 4MP bullet camera 1/2.7" Progressive Scan CMOS; H.265+/H.265/H.264+/H.264/MJPEG; Powered by Darkfighter technology, Color: 0.014 lux @(F1.6, AGC ON), 0 lux with IR; 25fps/30fps(2592x1944); VCA functions; 3 streams; 3D DNR; BLC; ICR; EXIR; DC12V&PoE; Built-in micro SD/SDHC/SDXC slot; HIK-Connect cloud service build-in mic,Strobe Light and Audio Alarm Unattended baggage /object removal/ scene change detection/ audio exception/Line crossing / intrusion/region entrance detection, region exiting detection Face Capture b) 4 MP dome camera 1/2.8" Progressive Scan CMOS; H.265+/H.265/H.264+/H.264/MJPEG; Powered by Darkfighter technology, Color: 0.009 lux @(F1.6, AGC ON), 0 lux with IR; 25fps/30fps(1920x1080); VCA functions; 3 streams; 3D DNR; BLC; ICR; EXIR; DC12V&PoE; Built-in micro SD/SDHC/SDXC slot; HIK-Connect cloud service build-in mic,Strobe Light and Audio Alarm Unattended baggage /object removal/ scene change detection/ audio exception/Line crossing / intrusion/region entrance detection, region exiting detection Face Capture c) 8MP PTZ dome camera H.265+/H.265/H.264+/H.264, Darkfighter Ultra-low illumination technology(Color: 0.002 lux/F1.5, B/W:0.0002 lux/F1.5),8MP, 1/1.8'' CMOS sensor, 140db WDR, Pan range:360° endless; Tilt range: -20°~90°(Auto Flip), Pan Speed: 0.1°~300°/s, Tilt Speed: 0.1°~240°/s, Optical zoom:32x, Focus:6.7-214.4 mm, smart tracking, smart detection, Rapid focus, Hi-PoE&24VAC,GIS,face capture 8MP, 32X, smart features, Rapid focus face captured d) Video display 55''	01	60,000

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55",1080P,500cd/m², bezelwidth:3.5mm,Input: VGA/DVI/DP/HDMI, output: HDMI, support 4K input and loop up to 30 screens with HDMI interface, support VESA

e) Server and storage

VideoSurveillance Base package —Hardware mode

Including preinstalled all fundamental features of video surveillance system,64 cameras manageable and Dell server with E2124 CPU

Warranty : 3years SUP

Supported:3 years free SUP, Main/Auxiliary Storage, Alarm Management, Google Map, Evidence Management, Running on Virtual Machine, 100 Users Logged In Simultaneously, Heath Monitoring/History Maintenance Data, Client Operation (e.g. Visual Tracking, Custom Window Division) etc.

3U, Single controller,180 Ch(2Mbps) Record +playback with IPSAN mode, 320 Ch(2Mbps) Record +playback with Direct steaming mode,16 HDD(SATA), Redundant power supply, SAS expansion support with Mini SAS Interface only if support

f) Decoders

Decoder, supports Output: 16*HDMI/8*BNC, Input: 1*VGA/1*DVI, odd HDMI support 3840*2160@30HZ, decoding capacity 24MP@30fps: 8-ch, 12MP@20fps:16-ch, 8MP@30fps: 32-ch, 5MP@30fps: 48-ch, 3MP@30fps: 80-ch, 1080p@30fps/3 Mbps: 128-ch, max 36 division

g) Keyboard (CCTV)

7" resistive touchscreen, preview, PTZ and TV wall control, 4-axis joystick

h) Networking

i) Imported compatible Online UPS

Face Recognition Terminal, 4.3-inch LCD touch screen,2 Mega pixel wide-angle lens,Built-in Mifare card reading module;

Max.1,500 faces capacity , Max.3,000 cards;

Face recognition in dark environment

Two-way audio with client software, indoor station, and master station

Supports TCP/IP, Wi-Fi,DC 12V/1A

Supports ISUP5.0, ISAPI

Supports 6 attendance status, including check in, check out, break in, break out, overtime in, overtime out

multiple languages: English, Spanish (South America), Arabic, Thai, Indonesian, Russian, Vietnamese, Portuguese (Brazil)

Configuration via the web client

Face Recognition Accuracy Rate > 99%

Face Recognition Duration(1:N) ≤0.2s

Face Recognition Distance: 0.3m ~ 1.5m

IP65

Power adapter included in the package (European Standard)

j) Room access control lock

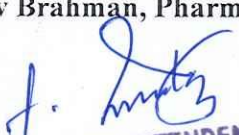
Including complete cabling installation and commissioning

Country of Origin: Europe/UK/USA/Japan or Equivalent

ISO Certificate 9001- 13485

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2.	<p>Air conditioner 1.5 ton (18000BTU) wall split with stabilizer, fitting and installation.</p> <p>Specification: BTU Capacity 18000 BTU Compressor W 5300 Low Voltage Startup 150V Eco Friendly Refrigerant R410A Energy Efficient Class A+ 60% Electricity saving Auto Voltage Adaptation 150V-260V</p> <p>COOLING BTU/H Capacity (H/S/L*) 19100/17750/5118 Output Capacity (W) (H/S/L*) 5600/5200/1500 Power Input (W)(H/S/L*) 2100/1529/390 Energy Efficiency Ratio (EER) 3.6</p> <p>HEATING BTU/H Capacity (H/S/L*) 22550/19600/4260 Output Capacity (W)(H/S/L*) 6600/5750/1450 Power Input (W) (H/S/L*) 2200/1580/390 Energy Efficiency Ratio (EER) 3.6</p> <p>With compatible imported/export quality stabilizer. Complete installation and commissioning are the responsibility of the vendor Warranty three years including all parts Compressor warranty ten years Warranty 03 years from the date of installation</p> <p>Country of origin: Dawlance/ Haier/ Kenwood/ Or Equivalent. Should be: ISO-13485 (Mandatory) & ISO 9001 Local/ Export Quality or Equivalent Warranty period shall be of three years starting from date of supply of equipment to the consignee end</p>	40	12,600
3.	<p>CCTV Operator Station (2 station Counter) Country of Origin: IMPORTED/ EXPORT QUALITY</p>	01	3,000
4.	<p>BP apparatus (Mercury) mobile stand</p> <p>SPECIFICATION: Measure scope: 0-300mmHg Accuracy: +/- 3mmHg Sub-division: 2mmHg Standard collocation: nylon D-ring cuff, PVC bladder, and bulb Aluminum tube, spring screw tube 2m Plastic base plate with 5 castors with brakes Height adjustable from 80cm to 125cm Cuff material: nylon, cotton Bladder and bulb: PVC, Latex Mobile stand with two castor brakes</p> <p>Country of Origin: UK/USA/Europe/Japan or Equivalent ISO Certificate 9001- 13485</p>	12	10,800
5.	<p>Height and weight scale</p> <p>SPECIFICATION: Load platform area (L×W):375×270mm or better Max. weighting: 200kgs or more Scale division (d):100g</p>	12	7,200

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	Height range to be measured: 70-190cm Country of Origin: UK/USA/Europe/Japan or Equivalent ISO Certificate 9001- 13485		
6.	Stethoscope dual head Specifications: <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 <ul style="list-style-type: none"> Adjustable aluminum binaurals with PVC ear tips Flexible 21" PVC tubing Included with spare pair of black mushroom ear tips OR Equivalent Imported/ Export Quality Should Be: ISO Approved Or CE Marked. Warranty: Should be Standard 03 Years Warranty	12	1,620
7.	Electric insect killer TECHNICAL SPECIFICATION: 2x20 Watts Ultraviolet Tubes No Poisonous Vapors, Irritating Odor Or Contamination Easy To Install And Clean Easy Tube Replacement Low Power Consumption High-Quality Electronic Components And Specially Designed Transformers Use To Operate Continuously. Suitable For Hospital 220 - 240V - 50/60Hz Imported Quality ISO Certificate 9001- 13485	26	7,200
8.	X-Ray View Box LED (One Film) TECHNICAL SPECIFICATION: LED source without flicker providing a comfortable reading experience color temperature: around 7200K Light intensity adjustable LED Life Span 100,000 Hours Country of origin: UK/USA/EUROPE/JAPAN or Equivalent ISO Certificate 9001- 13485	43	8,160
9.	Dust Bin with Lid TECHNICAL SPECIFICATION: Standard. Local/ Export Quality	36	3,060
10.	Desktop Computer Core i5 with 21" LED Display TECHNICAL SPECIFICATION: Specification: Processor: 12 th generation intel core i5 higher processor Operating system: Microsoft windows 11 professional 64-bit OEM Pre-installed Memory: 16GB Ram higher	09	9,000

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. 
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- 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. 

	<p>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.</p>		
11.	<p>Online UPS (Desktop Computers) TECHNICAL SPECIFICATION: Specification:</p> <ul style="list-style-type: none"> • 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. <p>• Warranty: 1 Year On-site/Official Warranty extended up to 3 years Should be: ISO/CE certified</p>	02	600
12.	<p>Black Laser Printer TECHNICAL SPECIFICATION: Black Print Speed: Up to 40 ppm Print Resolution: 1200 x 1200 dpi Auto-Duplex Printing 100-Sheet Multipurpose Input Tray 250-Sheet Input Tray 150-Sheet Output Tray Mobile Printing USB 2.0 & Ethernet Connectivity Monthly Duty Cycle: 80,000 Pages Country of Origin: UK/USA/Europe/Japan or Equivalent ISO Certificate 9001- 13485</p>	03	1,500
13.	<p>B.P Apparatus (Mercury) Mobile Stand TECHNICAL SPECIFICATION: Measure scope: 0-300mmHg Accuracy: +/- 3mmHg Sub-division: 2mmHg Standard collocation: nylon D-ring cuff, PVC bladder, and bulb Aluminum tube, spring screw tube 2m Plastic base plate with 5 castors with brakes Height adjustable from 80cm to 125cm Cuff material: nylon, cotton Bladder and bulb: PVC, Latex Mobile stand Country of Origin: UK/USA/Europe/Japan or Equivalent ISO Certificate 9001- 13485</p>	03	2,700

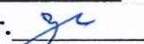




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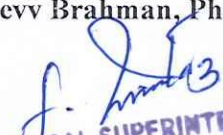
- S. Zamir Hussain Shah, Bio Medical Engineer, Dr. Ruth K.M.Pfau Civil Hosp. Kar. 
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14.	Height & Weight Scale Scale to have low level platform finished with non-slip cover, Measuring Dial to be fitted at waist height steel yard arm. Capacity: -0 kg -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	03	1,800
15.	X-ray (Four Film) View Box LED SPECIFICATION: 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 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	03	13,500
16.	Diesel Generator 500 KVA TECHNICAL SPECIFICATION:) Sound Proof Canopy b) ATS Panel with Foundation, Earth Pit, Cabling, and Installation & Commissioning is the responsibility of the supplier/vendor. Three phase four wires, 50HZ at 1500 RPM, silent type. General Feature Oil and fuel filter fitted, water separator Lube-oil drain valve fitted Electric starter motor 24 V.D.C Output range: Prime-500KVA Voltage: 380-415 VAC, 50 Hz Induction system: Turbocharged 8-hour operation base tank Key start / auto start Mechanical /Electrical governor 4 pole MCCB, set mounted starting battery Soundproof and weatherproof canopy Operation and Maintenance manual Special Integrated Steel Base tank and sprayed overall in gloss enamel paint Genset Specification: Voltage Regulation Voltage regulation maintained within $\pm 0.5\%$	01	360,000

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	<p>Between 0.8 and 1.0 lagging and unity From no load to full load At speed droop variation up to 4.5% Frequency Adjustable Ratio Change load from 0-100%, within 1.0% (electric speed regulator), within 4.5% (mechanical speed regulator) Frequency Undulation Load from 0-100%, Frequency undulation within 0.25% No load wire volts max undulation ratio within 1.8% Three phase balanced load in the order of 5%</p> <p>Engine Specification: In-line direct injection 4-cylinder diesel engine or better Type: Water cooled, four cycles, Turbocharged. Construction: Two valves per cylinder forged steel crankshaft and connecting rods, cast iron block. Fuel System: 24 volt failsafe actuator. Spin-on paper element fuel filters with fuel pump injection system with integral Electronic governor. Dual flexible fuel lines and connectors. Standard fuel water separator. Filters: Air cleaner with dry element and restriction indicator. Spin full flow lube oil filter. Oil cooler. Drain Tap</p> <p>Alternator Technical Data: Brushless, self-exciting Class (H) insulation Standard degree of protection is IP23 Self-regulating With fan cooling Resist humid grease AC excitation, rotating rectification tube Stator grease insulation covered Rotator and excitation high polymer, Resist the corruption of oil and acid. Rotator balance is in accordance with BS5625 standard 12.5 High-quality lubrication sealed long-time bearing Rotator silicon steel close tight O&M Manual 85 dB sound proof canopy Origin: UK/EUROPE/USA/JAPAN ISO/CE certified Warranty 03 years from the date of installation</p>		
17.	<p>Basic Examination Set TECHNICAL SPECIFICATION: Basic Examination Set Local / Imported/ Export Quality. ISO Certificate 9001- 13485</p>	120	18,000
18.	<p>Refrigerator 12 CFT with Stabilizer Specification:</p> <ul style="list-style-type: none"> • 12 CBU Unit Two Door. • Local / Imported/ Export Quality. • Should be: ISO Approved CE Marked Dawlance/ Haier <p>Warranty: Should be Standard 03 Years Warranty</p>	05	4,500

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19.	Adjustable Micro pipettes (Juster) TECHNICAL SPECIFICATION: Should be: ISO Approved CE Marked ISO Certificate 9001- 13485	04	1,200
20.	B.P Apparatuses (wall Mounted) TECHNICAL SPECIFICATION: Clock aneroid sphygmomanometer to be attached to 180° swivel wall mounting bracket. The large dial plate with white scale for easy reading. Complete with inflation system and 8 ft extendable latex coiled tubing. Wall mounting hardware should be included. Should be: ISO Approved CE Marked ISO Certificate 9001- 13485	06	1,080
21.	spring balance for Blood Bank TECHNICAL SPECIFICATION: Type of mixing: Linear with central support / 3D Mixing - 12° angle 20 RPM Weighing range: 0-990ml Alarm type: Automatic low and high flow alarm, adjustable Adjustable maximum donation time: Up to 20 minutes Protocols: Up to 20 different working programs Built-in memory: More than 1000 collection procedure data Data connectivity: LAN / WIFI / USB port Calibration mass 500 g: Optional Removable - rechargeable battery pack: Optional External battery charger: Optional Memory card: Optional Barcode reader: Optional Battery backup: Optional Interface: User friendly Should be: ISO Approved CE Marked ISO Certificate 9001- 13485	06	900
22.	Glassware for Lab TECHNICAL SPECIFICATION: Standard Local / Imported/ Export Quality. ISO Certificate 9001- 13485	01	3,000
23.	Fire Fighting System for each floor including smoke detector, fire extinguisher, sounder, Fire alarm control panel, Fire safety Blanket, Safety Gloves, Safety Cabinet, Installation and all services. TECHNICAL SPECIFICATION: Fire Fighting system for each floor including Smoke Detector, Fire Extinguisher, sounder, Fire alarm control Panel, fire safety blanket, safety gloves, safety cabinet, installation, Local / Imported/ Export Quality. Should be: ISO Approved CE Marked Warranty: Should be Standard 03 Years Warranty ISO Certificate 9001- 13485 with All safety Standards.	04	240,000

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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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**MANUFACTURER'S
AUTHORIZATION(FORM F)**

[SEE CLAUSE 11.1 (A) OF THE INSTRUCTION TO BIDDERS]

To:

Medical Superintendent Peoples Medical College Hospital Shaheed Benazirabad.

WHEREAS _____ [name of the Manufacturer] _____ who are established and reputable Manufacturers of _____ [name and /or description of the goods] _____ having factories at _____ [address of factory] _____ do hereby authorize [name and address of Bidder / Agent] _____ to submit a bid, and subsequently follow-up / negotiate and sign the Contract with you against Invitation for Bids (IFB) / Tender Notice for the goods manufactured, by us, under the patent name of _____ for performance of the contract.

We hereby commit and assure our full guarantee and warranty / guarantee as per Clause 12 of the General Conditions of Contract for the goods offered for supply by the above mentioned firm against this Invitation for Bids.

[Signature for and on behalf of Manufacturer]

Note:

This letter of authority should be on the letterhead of the Manufacturer and should be signed by a person competent and having the power of attorney to bind the Manufacturer. It should be included by the Bidder in its bid.

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

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

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: _____, dated _____
Make & Model no.: _____
Serial Number: _____
Quantity: _____
Name of the consignee: _____

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

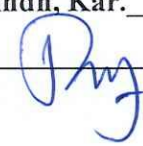
Name _____
Designation _____
Date _____

Signature with Stamp _____

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PEOPLES MEDICAL COLLEGE HOSPITAL
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 Page 85 of 93

BID LETTER FORM

From:

(Registered name and address of the bidder)To:

Medical Superintendent Peoples Medical College Hospital Shaheed Benazirabad. 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:

Bidder's signature

Date:

and seal.

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

MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL
SHAH BENAZIRABAD

CONTRACT FORM

THIS AGREEMENT made the Day of..... (year) Between the Procuring Agency (hereinafter "the _____") 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 Peoples Medical College Hospital Shaheed Benazirabad.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 Peoples Medical College Hospital Shaheed Benazirabad to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Medical Superintendent Peoples Medical College Hospital Shaheed Benazirabad. (Tender Title.

.....) and to remedy defects therein conformity, in all respects, with the provisions of the contract.

The Medical Superintendent Peoples Medical College Hospital Shaheed Benazirabad. 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)

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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 Peoples Medical College Hospital Shaheed Benazirabad. (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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- Rajeevv Brahman, Pharmacist, Dr. Ruth K.M Pfau Civil Hospital Karachi. _____

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:

Guarantor (Bank)

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

Name: _____

Title: _____

Signature: _____

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

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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 Peoples Medical College Hospital Shaheed Benazirabad, 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 Peoples Medical College
Hospital Shaheed Benazirabad.

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- 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. _____

Bid Form & Price Schedule

BID FORM

To:

Medical Superintendent Peoples Medical College Hospital Shaheed Benazirabad. 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 for 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.									

- 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
PEOPLES MEDICAL COLLEGE HOSPITAL
MAWABSHAH SBA

Name _____

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 Specification of Goods	Model / Cat No	Name of Manufacturer	Country of Origin	Port of Shipment	Quantity of Stores	Unit	Currency	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):

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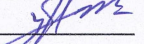
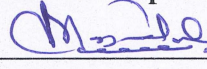
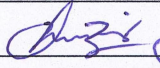

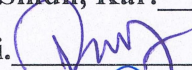
MEDICAL SUPERINTENDENT
PEOPLES MEDICAL COLLEGE HOSPITAL
NAWABSHAH SBA

Schedule of Requirements

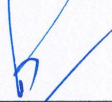

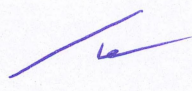
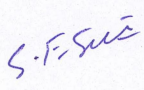
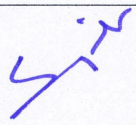
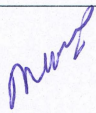
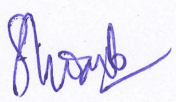
SCHEDULE OF REQUIREMENTS

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.

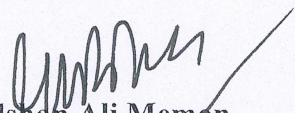
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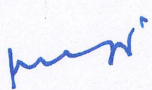
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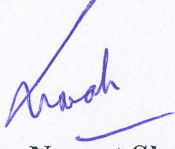
Checked & approved by Expert Committee for Machinery Equipment:

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.	
v.	Prof. Dr. Sajida Qureshi, Professor of Surgery, DUHS / Dr. Ruth K.M. Pfau Civil Hospital Karachi.	
vi.	Prof. Dr. Syed Mahmood Hassan, Professor of Pathology, JSMU, Karachi.	
vii.	Dr. Shoaib Malik, Associate Professor, Anesthesia Department, JPMC Karachi.	

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

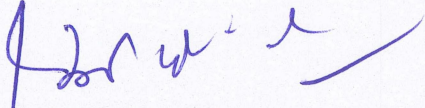


Dr. Ahson Qavi Siddiqi
CEO, Health Care Commission
Sindh/ Member




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