

**BIDDING DOCUMENTS**

**CIVIL HOSPITAL KARACHI**

**HEALTH DEPARTMENT**

**GOVERNMENT OF SINDH**

**Contract NO:- PD-Trauma Centre-CHK/042 (Rev) 2015-16**

Supplying, Installation, Testing, Commissioning & Maintenance  
(during maintenance period) of

**Medical Equipment** for the project

“Shaheed Mohtarma Benazir Bhutto Accident, Emergency & Trauma  
Centre and Ancillary Services Complex at Civil Hospital Karachi”

**VOLUME-I**

**INSTRUCTIONS TO BIDDERS, SALIENT FEATURES  
/ TERMS & CONDITION OF THE TENDER,  
ESSENTIAL REQUIREMENTS / EVALUATION  
CRITERIA, FORM OF AGREEMENT, SCOPE OF  
WORK AND SPECIFICATIONS**

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# **INSTRUCTIONS TO BIDDERS**

1. **Civil Hospital Karachi** invites sealed bids on single stage two envelopes system as per Sindh Public Procurement Rules 2010 (Amended 2013) from Manufacturers/Importers/Sole Agents/Contractors for “*Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period) of **Medical Equipment** for the project Shaheed Mohtarma Benazir Bhutto, Accident, Emergency & Trauma Centre and Ancillary Services Complex at Civil Hospital Karachi*”, (Contract No. **PD-Trauma Centre-CHK/042 (Rev) 2015-16**).
2. Bidders are required to check that Tender Documents issued to them are complete in all respects as per Summary of contents related to Instructions to Bidders, Salient Features, Evaluation Criteria, Form of Tender, Form of Agreement, Specifications (Technical), Scope of Work, Drawings etc.
3. Bidders should examine carefully the Summary of Contents. They should visit and inspect the site at their own expense and responsibility and obtain all necessary information prior to submitting the Tender. Any detail/specification missing in the document should be obtained from the office of the Project Director before bidding. Once the Tender is submitted, it will be assumed that no further clarification was required.
4. The rates to be inserted in the Bill of Quantities shall be deemed to include all costs of whatsoever description and expenses necessary for the Supply, Installation, Testing, Commissioning and Maintenance of the Equipment/system together with all risks, taxes, liabilities and obligations, specific or implied, in the Tender Documents. Arithmetical errors, if any shall be corrected and Tender price amended accordingly.
5. No authorized alteration may be made in the Tender documents. If any such alteration is made, tender may be liable for rejection.
6. Any clarification, revision, addition or deletion, in the Tender documents may be made by the Project Director before the submission and opening of Tender in the form of Addendum/Corrigendum. This will be made only by formal Addendum/Corrigendum issued by the Project Director and will become part of the Contract documents. Each Addendum shall be signed by the Tenderer and returned with other Tender documents.
7. The entire Tender Documents, listed duly priced, signed & stamped on each page and completed must reach at designated place in due time and dates as defined in the salient features of the Tender.
8. The Contractors whose Tender is accepted, by the Procurement Committee, will be required to enter into a Contract agreement as defined in the Form of Agreement.
9. All manufactured and other items should be used in the work in accordance with the instructions, specifications in the Tender Document and also in accordance with generally accepted norms of good workmanship.

10. The Tender documents referred to above constitute a part of this Tender and comprise of the following documents:
  - a) Instructions to bidders.
  - b) Salient Features / Terms & Condition of the Tender  
Questionnaire / Proforma – Evaluation Criteria.
  - c) Form of Agreement.
  - d) Scope of work / Bill of Quantities / Specification (Technical).
  - e) The Addendum (if any).
  - f) The Drawings (if any).
11. The Contractors are required to submit the site Organization chart, methodology & work schedule along with Tender documents.

## **SALIENT FEATURES / TERMS & CONDITION OF THE TENDER**

<b>1.</b>	<b>Name of Work &amp; Address</b>	:	Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period) of <b>Medical Equipment</b> at “Shaheed Mohtarma Benazir Bhutto, Accident, Emergency & Trauma Centre and Ancillary Services Complex at Civil Hospital Karachi” (Contract No. PD-Trauma Centre-CHK/042 (Rev) 2015-16).
<b>2</b>	<b>Time &amp; Date of issue of Tenders</b>	:	From the date of publishing to one day before opening of Technical Proposal, during office hours.
<b>3</b>	<b>Place of Issuance of Tender</b>	:	Office of the Project Director, OPD-Block Civil Hospital Karachi.
<b>4</b>	<b>Date of pre-bid meeting</b>	:	In case requested by bidders or informed by Project Director.
<b>5</b>	<b>Method of opening of Tender</b>	:	It will be Single Stage Two Envelope system as per SPP Rules 2010 (Amended 2013).
<b>6</b>	<b>Date &amp; Time of Submission of Tenders</b>	:	As published in newspapers
<b>7</b>	<b>Date &amp; Time of Opening of Tenders / Technical Proposals</b>	:	As published in newspapers
<b>8</b>	<b>Date of Opening of Financial Proposals</b>	:	As informed by Project Director to all participants
<b>9</b>	<b>Venue of submission &amp; opening of Tenders</b>	:	Board Room situated at Second Floor of the Administration Block of Civil Hospital Karachi.
<b>10.</b>	<b>Validity of Tenders</b>	:	90 days as per Sindh Public Procurement Rules, 2010 (Amended 2013).
<b>11.</b>	<b>Amount of Earnest Money/Bid Security</b>	:	1% of the Contract value in shape of pay-order / Call Deposit from schedule Bank to be submitted along with Financial Proposal.
<b>12.</b>	<b>Supply of Equipment</b>	:	Within three months after the opening of LC. However, this period is extendable as per mutual agreement/demand of the situation.
<b>13.</b>	<b>Installation Period</b>	:	It will start after three months of receiving of equipment at site.
<b>14</b>	<b>Maintenance Period</b>	:	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 two years with replacement of parts.
<b>15</b>	<b>Warranty Period with replacement of Parts and services</b>	:	The warranty period of parts with Free of cost replacement will be for two years. Two years free service from the date of Installation.
<b>16 (a)</b>	<b>Contract Agreement</b>	:	The Contractor shall enter & execute a formal Agreement as per the “Form” annexed with such modification as may be necessary, by the Project Director.
<b>(b)</b>	<b>Stamp Paper requirement for Agreement.</b>	:	- Rs. 0.30% of the Contract Value or as prescribed by Government Laws.

<b>17</b>	<b>Terms of Payment to Contractors.</b>		
<b>(i)</b>	<b>Payment to Contractors on opening of L.C (Letter of Credit) by Contractor.</b>	<b>:</b>	<p>In case items are imported and supply order is placed on C &amp; F basis, L.C. (Letter of Credit) will be opened by Contractors whom Purchase order is awarded, in the name of Medical Superintendent – Civil Hospital Karachi as Consignee. Contractors opening the LC with the Principals of Country of Origin will be paid 80% amount of the confirmed L.C.</p> <p>The LC should be opened within thirty days after receiving of the supply order from the Project Director.</p> <p><b>PLEASE NOTE THAT THE L.C ON TRANS-SHIPMENT BASIS IS NOT ACCEPTABLE</b></p>
<b>(ii)</b>	<b>Payment of balance amount</b>	<b>:</b>	<p>All balance payments will be released after receiving of equipment at site subject to submission of Performance Security in the following manner;</p> <ul style="list-style-type: none"> <li>• Pay-order equivalent to 5% of the value of Purchase order</li> <li>OR</li> <li>• Bank Guarantee equivalent to 10% of the value of Purchase order</li> </ul> <p>The Performance Security will be released after successful installation of equipment and issuance of satisfactory Performance Certificate from the End-user.</p>
<b>18</b>	<b>Release of Earnest Money/Bid Security of 2%</b>	<b>:</b>	<p>To un-successful bidders, after work is awarded. Earnest Money will be released to successful bidder after purchase order is released but after 5% Security Deposit is deposited as per item – 19.</p>
<b>19</b>	<b>Security Deposit</b>	<b>:</b>	<p>5% Security Deposit in the shape of two pay orders (2.5% each) will be submitted by Contractor with Project Director which will be released as per item 20. Bank Guarantee of equal amount will also be acceptable.</p>
<b>20</b>	<b>Release of Security Deposit of 5%</b>	<b>:</b>	<p>After completion of maintenance or Defect Liability period of two years as under:-</p> <ul style="list-style-type: none"> <li>• After satisfactory completion of maintenance period of Six Months – 2.5%</li> <li>• After satisfactory completion of maintenance period of two years – 2.5%</li> </ul>
<b>21</b>	<b>VARIATION IN CONTRACT PRICE.</b>	<b>:</b>	<p>NO VARIATION IN PRICE SHALL BE ALLOWED ON ANY GROUND INCLUDING CURRENCY FLUCTUATION/VARIATION OR WHATSOEVER.</p>
<b>22</b>	<b>Discrepancy.</b>	<b>:</b>	<p>If there is any discrepancy between Salient Features of Tender/Bidding Documents and respective contents mentioned elsewhere, Salient Features / Terms &amp; Conditions and Additional Terms &amp; Conditions of Tender will govern.</p>
<b>23</b>	<b>Taxes.</b>	<b>:</b>	<p>All taxes will be deducted as per prevalent laws of country.</p>

<b>24</b>	<b>Approved makes.</b>	:	As mentioned in items individually.
<b>25</b>	<b>SPECIAL NOTE REGARDING EQUIPMENTS</b>	:	<p>TECHNICAL OFFERS / COMMERCIAL OFFERS FAILING TO DEMONSTRATE BELOW DETAILS WOULD BE REJECTED:</p> <p><b>a.</b> QUOTED SYSTEM MUST BE OF ADVANCED &amp; LATEST VERSION.</p> <p><b>b.</b> TENDER MUST COVER COMPLETE EQUIPMENT.</p> <p><b>c.</b> TENDER MUST COVER COMPLETE RANGE OF DISPOSABLES/ KITS</p> <p><b>d.</b> TENDER MUST PROVIDE ALL TECHNICAL DETAILS UP TO THE SATISFACTION OF THE END USER.</p> <p><b>e.</b> ITEMS SHOULD BE QUALITY APPROVED FROM THE CONCERNED INTERNATIONAL BODY OF THE RESPECTIVE INDUSTRY.</p>
<b>26</b>	<b>Inspection of Imported equipment manufacturing site by the client.</b>	:	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 of Supply Order is 50 million or above.
<b>(b)</b>	<b>Training</b>		Supplier will provide on-site successful training to all the personnel working on/operating the said Equipment/machine as long as the need prevail.
<b>27</b>	<b>Maintenance.</b>	:	Maintenance cost for all items for Two years from the date of successful Installation shall be undertaken by the Contractor (Maintenance includes all Parts & Labour, etc. with sufficient staff, during maintenance period).
<b>28</b>	<b>Default in Preventive Maintenance, Breakdown and Emergency Calls.</b>	:	<ul style="list-style-type: none"> <li>• 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 Department and the cost so incurred will be paid from the Retention Money.</li> <li>• Moreover an additional 10% of the amount spent would be charged from the concerned contractor being defaulter.</li> </ul>
<b>29</b>	<b>COST TO BE QUOTED IN BOQ.</b>	:	<ul style="list-style-type: none"> <li>• The Contractors shall quote DDP and C&amp;F price of the Equipments including custom clearance etc. and delivering of Equipment at site with Installation &amp; Commissioning cost.</li> <li>• It should also include cost during maintenance period including the parts and maintenance staff.</li> </ul>
<b>30</b>	<b>Tax Exemption.</b>	:	In case of purchase on <b>C&amp;F basis</b> , 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 2013).

## GENERAL CONDITIONS

**Note: No tender will be accepted after closing of the Tender box, whatsoever reason may be.**

1. As the building is under construction and finishing is underway, the Contractors responsible for “Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period) of **Medical Equipment & Ancillaries**” will also repair all the damages done to the building while Installing **Medical Equipment & Ancillaries** at no extra-cost. So the Contractors should take into account all such expenditures while quoting the bid.
2. In **Technical Bid**, the bidder must provide original data sheet, technical brochure, all other relevant documents, alongwith copy of Pay Order / Bank Draft 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. A Column is given against the specification of each item, the vendor has to fill up with **YES / NO or put value as desired** in the column. **These specifications must be highlighted in the brochure, else the offer will be rejected.**
4. In **Financial Bid**, the vendor should mention financial offer alongwith Pay Order / Bank Draft 01% value of quoted items in favor of Project Director.
5. **In case of purchase on C&F Basis, the bidder will invest money to open Letter of Credit within thirty days after receiving the supply order and will bear all the charges in this regard. The required certificate will be issued by this hospital 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 2013).**
6. **In case of supply order placed on DDP Basis the bidder should be supplied the quoted item within time as specified in Tender Document i.e. three months. This period is extendable as per mutual agreement/demand of situation.**
7. The disclosure of firm's price at the time of opening of **Technical bid** will result in the rejection of the bid.
8. 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.
9. **Only Manufacturer and / or Authorized Agent (if importer) can quote items.**
10. 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.
11. Certificate from the Sole Agent / Manufacturer has fully equipped Workshop Trained Personnel / Engineers and Equipment should be provided with technical bid and it can be physically verified by the administration of Civil Hospital Karachi.
12. The warranty period will commence from the date of installation of the Equipment at SMBB Trauma Centre - Civil Hospital Karachi.
13. **Firm must provide complete details of their financial standing, listing of similar items supplied in Pakistan, bio-data of engineers with training certificates / test, details of local stock of spare parts for similar furniture and details of office with number of personals.**
14. 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.
15. **Vendors should quote the items they intend to supply.**
16. **Quantity can be increased or decreased as per requirements.**
17. 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 Equipments will be supplied brand new, free from defects as per the approved sample 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 shall be bound to make an alternate arrangement of spares and maintenance of Equipments. In case of default, depreciated cost of Equipments will be recoverable from vendor.
18. 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.
  19. Suppliers / Contractors will be responsible for supply at consignee end, free of cost and also responsible for free installation work, if required.
  20. Equipment will be handed over to the Project Director / Store officer of Civil Hospital Karachi.
  21. Price escalation will not be allowed.
  22. If vendor doesn't supply Equipments 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.
  23. If the supplier fails to give supply and install within the stipulated period, Liquidated charges will be imposed.
  24. The decision once taken will be final and will not be challenged in any Court of Law.
  25. A copy of Income Tax and GST Registration Certificate should be attached alongwith **Technical Bid.**
  26. **Copy of Registration Certificate with Sindh Revenue Board.**
  27. Conditional Tender(s) against the Government rules and non-compliance of instructions mentioned in Tender Form & Hand written tender(s) will not be entertained.
  28. **The vendor should submit a Data Sheet according to the Tender Specifications Format mentioned in the tender and highlight the tender specifications in their Technical Data Sheet. Additional Features can be mentioned separately.**
  29. In case the information supplied by bidder in Questionnaire / Proforma is incomplete or incorrect, the Tender will be liable for rejection.
  30. The Medical Superintendent – Civil Hospital Karachi / Procurement Committee reserves the right to reject or accept any / all tender(s) as per SPP Rules, 2010 (Amended 2013).
  31. The offer will remain valid as per SPP Rules, 2010 (Amended 2013).

I / We agreed above mentioned terms & conditions:

Name of Contractor \_\_\_\_\_ Signature \_\_\_\_\_

(CNIC NO \_\_\_\_\_ (Copy must be attached).)

Full Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Rubber Stamp \_\_\_\_\_

## **QUESTIONNAIRE / PROFORMA**

(To be filled in by the vendor)

1. Name of institutions where the same items supplied with performance report

- In Pakistan \_\_\_\_\_
- In Karachi \_\_\_\_\_

2. Factory address \_\_\_\_\_

3. No. of Employees \_\_\_\_\_

<b>4. In case of manufacturer</b>	<b>Yes</b>	<b>No</b>
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a. Registration with EOBI (Govt. of Pakistan)	----	----
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b. Registration with Social Security (Provincial Government)	----	----
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c. National Income Tax (Income Tax Department)	----	----
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d. Sales Tax Registration	----	----
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(Copies must be attached duly attested)

5. Spare parts Availability Guarantee (No. of years): \_\_\_\_\_

6. Equipment life period (number of years): \_\_\_\_\_

7. On call service charges (After expiry of maintenance period):

- Minimum: \_\_\_\_\_
- Per day: \_\_\_\_\_

8. In case of in house maintenance by Civil Hospital Karachi are you willing to provide following during post warranty period	<b>Yes</b>	<b>No</b>
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• Back up engineer support whenever requested:	----	----
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• Prompt supply of spares	----	----
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9. Are you Sole Agent of manufacturer (for importer): \_\_\_\_\_

(If Sole Agent, a copy of Income Tax / GST Registration should be attached)  
Otherwise the offer will be ignored / rejected.

10. Year of Establishment of manufacturing unit \_\_\_\_\_

11. Warranty period (please provide following details):

- Uptime Guarantee: \_\_\_\_\_ %
- Response time to maintenance requested: \_\_\_\_\_ Hours

12. Briefly state facilities and benefits provided during warranty period:

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Supplier's Name: -----

Authorized Signature: ----- Designation -----

----- Rubber Stamp -----

Contact No. ----- Fax No. ----- Cell No. -----

E. mail address: -----

# TECHNICAL EVALUATION CRITERIA

## MANDATORY REQUIREMENTS:

### **1. Certificate of Registration with Income Tax, Sales Tax Departments**

### **2. Affidavit regarding Blacklisting & Litigation**

- The bidder should submit an affidavit that firm has never been blacklisted by any government, semi-government department or any other organization.
- The bidder should submit an affidavit that firm is not involved in Litigation with any government, semi-government department or any other organization.

## QUALIFYING MARKS – 70

### **DOCUMENTARY EVIDENCE MUST BE ATTACHED.**

S.No.	DETAILS	Maximum Marks
1.	<b><u>Establishment of Firm since</u></b> More than three years – 05 marks More than five years - 10 marks (As per attached Proforma “A”)	10
2.	<b><u>Major Institution Served during last year</u></b> a. Less than 5 institution – 05 marks b. Up to or more than 5 institution – 10 marks (As per attached Proforma “B”)	10
3.	<b><u>Previous Performance of similar works</u></b> a. More than 3 years – 30 marks b. Up to 3 years – 20 marks (As per attached Proforma “C”)	30
4.	<b><u>Man Power Requirement</u></b> 1. Must have proper well established workshop (Procurement Committee may visit the same) 2. Must have certified technical staff (Certificates must be attached) with other staff on ledger (List of persons be attached)	10 (05 marks for each)
5.	<b><u>Bank Certificate</u></b> Bank Certificate that the bidder can perform business upto Rs.25.000 million or above.	10
6.	<b><u>Financial Soundness of the Firm</u></b> The bidder should submit following: a. Bank Statement for last 3 years with Bank Letter b. Audited Balance Sheet & Income Tax Returns for last 3 years	20 (10 marks for each)
7.	<b><u>Questionnaire / Proforma (Mandatory)</u></b> Page 10 & 11 of the Bidding Documents	10
		<hr/> <b>TOTAL 100 MARKS</b> <hr/>

**ESTABLISHMENT OF FIRM**

1.	Name of Firm:			
2.	Head Office Address:			
3.	Regional Office Address:			
4.	Telephone:		Mobile: Fax: E-mail:	
5.	NTN Number: (Attach copy)			
6.	GST Number: (Attach copy)			
7.	Year of Establishment from the date of Registration of NTN (more than five years minimum)			

**MAJOR INSTITUTION SERVED DURING LAST YEAR**

*(Use separate sheet for each work)*

1.	Name of Institution:
2.	Address of Institution:
3.	Name of Contract:
4.	Place of Execution / City:
5.	Letter of Award No.
6.	Value of Contract:                      Pak Rupees
7.	Date of Award:  <div style="text-align: right;">(Proof)</div>
8.	Date of Completion:  <div style="text-align: right;">(Proof)</div>
9.	Duration of Contract:

**PREVIOUS PERFORMANCE OF SIMILAR WORKS**

*(Use separate sheet for each work)*

1.	Name of Contract:
2.	Place of Execution / City:
3.	Name of Employer:
4.	Address of Employer:
5.	Letter of Award No.
6.	Value of Contract:                      Pak Rupees
7.	Date of Award: <div style="text-align: right;">(Proof)</div>
8.	Date of Completion: <div style="text-align: right;">(Proof)</div>
9.	Duration of Contract:

## BID EVALUATION CRITERIA

- a. Specifications compliance.
- b. After sale service facility (The Vendor should submit an undertaking on Non-judicial Stamp Paper of Rs. 50/- alongwith Technical Proposals for the same).
- c. Authority letter from Manufacturer where applicable.
- d. Guaranty of availability of parts of the supply articles for 10 years.
- e. Compliance of Terms & Conditions and Additional Terms & Condition of the Bid Form.



# **FORM OF AGREEMENT**

1. THIS AGREEMENT made this \_\_\_\_\_ day of \_\_\_\_\_ Between Messrs. Project Director “Shaheed Mohtarma Benazir Bhutto, Accidents, Emergency & Trauma Centre and Ancillary Services Complex at Civil Hospital Karachi” being hereinafter called the “OWNER” which expression shall, wherever the context so permits, mean and include its successors in interest, executors, administrators, liquidators, nominees and assignees of the ONE PART, and Messrs. \_\_\_\_\_ hereinafter called the “CONTRACTOR”, which expression shall, wherever the context so permits, mean and include its heirs, successors in interest, executors, administrators, liquidators, nominees and assignees of the OTHER PART.

## **WHEREAS:**

- a. The Owner had invited tenders from various contractors for *Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period) of Medical Equipment for the project Shaheed Mohtarma Benazir Bhutto, Accident, Emergency & Trauma Centre and Ancillary Services Complex at Civil Hospital Karachi (Contract No. PD-Trauma Centre-CHK/042 (Rev) 2015-16)* in accordance with the requirements, drawings, plans and instructions prepared by the owner, and contained in the tender documents issued by the Owners.
- b. In response to the invitation of the Owner, the Contractors have tendered their quotations and rates and have offered to carry-out the supply, completion and maintenance of the aforesaid project and facilities in accordance with the requirements, conditions of contract, documents, standard quality, plans, drawings and instructions of the Owner.
- c. The Owner is willing and agreeable to accept the aforesaid quotation, rates and offer of the Contractor on the various terms and conditions specified herein and in the documents listed is Clause-1, below.

NOW THEREFORE, THIS AGREEMENT WITNESSETH and in consideration of the mutual covenant and condition set forth herein, the parties hereto, do hereby agree, undertake and declare as under:-

1. The Following documents, hereinafter called “Contract Documents” shall be deemed to form, read and construed as an integral part of this Agreement:-
  - a. Tender documents including Addendum.
  - b. Contractor’s bid letter No. \_\_\_\_\_ dated \_\_\_\_\_.
  - c. Relevant Correspondence.
  - d. Letter of Award No. \_\_\_\_\_ dated \_\_\_\_\_.

<b>Tender S. No.</b>	<b>Description of Items</b>	<b>Rate on CIF / DDP Basis</b>	<b>Quantity Ordered</b>	<b>Total value in figures</b>
1.				

2. Notwithstanding anything contained to the contrary or in conflict with the provisions of this agreement in any of the documents mentioned in Clause – 1, above, the provisions of this agreement shall prevail and the documents mentioned above shall be deemed to have been amended to the extent of inconsistency found therein, by the provisions of this Agreement, In case of inconsistency between any of the documents

referred to herein, the later documents shall prevail and the tender documents shall be construed to have been amended to that extent.

3. In consideration of the Contractors supply, completing and maintaining the work, as described heretofore, in conformity in all respects with provisions of this contract to the entire satisfaction of the owner, and the Contractor acting, abiding and performing his duties and obligations strictly in accordance with the terms and conditions herein and documents of the contract mentioned hereinabove, the Owner shall pay to the Contractor amount as per contract documents listed above.
4. This contract shall not be transferable or assignable in whole or part of any of the parties hereto, provided that the Owner may assign his rights and obligations in whole or in part to any other Company which shall be entirely owned Company belonging to the same Group of the Companies as the Owner, In such an event such other Company shall be entitled to act as Owner under this contract.

IN WITNESS WHEREOF the parties hereto, acting through their respective representative, have caused this agreement to be signed, sealed and delivered in their respective names on the day and the year first mentioned hereinabove.

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**SIGNED, SEALED AND DELIVERED**  
**In the name and for and on**  
**Behalf of the Owner / PROJECT DIRECTOR**

**NAME:** \_\_\_\_\_

**DESIGNATION:** \_\_\_\_\_

**WITNESS:**

**1. NAME:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

**2. NAME:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

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**SIGNED, SEALED AND DELIVERED**  
**In the name and for and on**  
**Behalf of the CONTRACTOR**

**NAME:** \_\_\_\_\_

**DESIGNATION:** \_\_\_\_\_

**WITNESS:**

**1. NAME:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

**2. NAME:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

## SUPPLY ITEMS / SCOPE OF WORK – SPECIFICATIONS (TECHNICAL)

Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period) of **Medical Equipment** for the project Shaheed Mohtarma Benazir Bhutto, Accident, Emergency & Trauma Centre and Ancillary Services Complex at Civil Hospital Karachi  
(CONTRACT NO. PD-TRAUMA CENTRE-CHK/042 (REV) 2015-16)

S.No	Specification	Qty	Unit	Yes / No / Put desired value																																											
(1)	(2)	(3)	(4)	(5)																																											
01	<b><u>Diagnostic &amp; Therapeutic Angiography System</u></b>  <b>Single Plane General Angiography / Vascular Interventional System for Trauma work:</b>  <ul style="list-style-type: none"><li>A fully digital flat panel single plane General angiography system dedicated for diagnostic &amp; interventional and peripheral procedures with the following minimum specifications and application softwares.</li><li>The quoted model must be latest and bidder must mention the number of systems installed worldwide and in Pakistan.</li><li>The local vendor must have sold angiography equipment in the province and submit letter of satisfaction of similar general / vascular angio-systems installed by them regarding satisfactory after sales service performance from three reputable public / private centers of Sindh. This is a knockout clause.</li></ul>		01	Unit																																											
	<table><tr><th>S. No.</th><th>Item details - model and specifications</th><th>Vendor should fill up this performa with verifiable references from data sheet. Please mention page number of data sheet.</th></tr><tr><td>1.</td><td><b>POSITIONING ARM: Ceiling suspended arm</b></td><td></td></tr><tr><td>1.2</td><td>The system should be ceiling mounted with capability to do head to toe patient imaging without moving the patient</td><td></td></tr><tr><td>1.3</td><td>Real time display of rotation angulations.</td><td></td></tr><tr><td>1.4</td><td>Geometry: C-arm / G-arm</td><td></td></tr><tr><td>1.5</td><td>RAO / LAO +/- 120 ° or more.</td><td></td></tr><tr><td>1.6</td><td>Cranial / Caudal: Min. +/-45° In all detector positions</td><td></td></tr><tr><td>1.7</td><td>Rotation Speed: 50°/sec or more in LAO / RAO.</td><td></td></tr><tr><td>1.8</td><td>Isocentric Height: Variable / Fixed.</td><td></td></tr><tr><td>1.9</td><td>Auto Positioning: Programmable auto positioning of selected.</td><td></td></tr><tr><td>1.10</td><td>Angulations, (50 or more) programmable positions.)</td><td></td></tr><tr><td>1.11</td><td>The control panel can be mounted at any side of the patient table.</td><td></td></tr><tr><td>1.12</td><td>All the rotational / angles should be digitally displayed</td><td></td></tr><tr><td>1.13</td><td>Motorized / manual parking / rotation of the positioning arm.</td><td></td></tr></table>					S. No.	Item details - model and specifications	Vendor should fill up this performa with verifiable references from data sheet. Please mention page number of data sheet.	1.	<b>POSITIONING ARM: Ceiling suspended arm</b>		1.2	The system should be ceiling mounted with capability to do head to toe patient imaging without moving the patient		1.3	Real time display of rotation angulations.		1.4	Geometry: C-arm / G-arm		1.5	RAO / LAO +/- 120 ° or more.		1.6	Cranial / Caudal: Min. +/-45° In all detector positions		1.7	Rotation Speed: 50°/sec or more in LAO / RAO.		1.8	Isocentric Height: Variable / Fixed.		1.9	Auto Positioning: Programmable auto positioning of selected.		1.10	Angulations, (50 or more) programmable positions.)		1.11	The control panel can be mounted at any side of the patient table.		1.12	All the rotational / angles should be digitally displayed		1.13	Motorized / manual parking / rotation of the positioning arm.	
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<b>2.</b>	<b>Digital Flat Panel Detector 8 x 8 Inch</b>	
2.1	Single plane C-Arm / G-Arm	
2.2	Image matrix of 1024 x 1024 x 14 bits or more.	
2.3	12x16 inches large field of view	
2.4	Built in temperature stabilizer.	
2.5	Integrated collision protection feature.	
2.6	All other standard accessories according to this digital flat panel.	
2.7	Dose management with fluoro filters	
2.8	Pixel Size of 200 um or better.	
<b>3.</b>	<b>Patient Support/ Table:</b>	
3.1	Catheterization Table	
3.2	Floor mounted with up/down, longitudinal and transverse movements	
3.3	Original table from manufacturer	
3.4	Longitudinal Stroke: 1000-1500 mm.	
3.5	Lateral stroke: 100-300 mm	
3.6	CPR in any table position.	
3.7	All table side movement controls.	
3.8	Table top should be of such construction in material and durability to accept patient's weight of not less than 150 kg plus 100 kg for resuscitation.	
3.9	Table dimensions should be able to accommodate patients of all ages.	
3.10	Table top should have large metal free over hang for un-obstructed imaging coverage.	
3.11	Complete accessories should be provided including arm holder.	
3.12	Hand grip, arm support and arm rest and positioning aids.	
3.13	Left / right table pivoting: + / - 90 degree.	
<b>4.</b>	<b>X-Ray Tube:</b>	
4.1	Triple focus with at least 3.0 MHU or better anode heat storage.	
4.2	Large Capacity to enable continuous heat dissipation during serial exposure. Tube power should be same as generator power i.e. 100kw.	
4.3	Rotating anode bearing less liquid metal technology tube.	
4.4	Focus 0.3, 0.6 and 1.0 mm or similar	
4.5	Dose management with auto adjustment fluoro-filters.	
<b>5.</b>	<b>X-Ray Generator:</b>	
5.1	Microprocessor based high frequency using fiber optic for data communication between each imaging system.	

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5.2	Dedicated X-Ray generator of 100KW.				
5.3	Radiographic rating minimum 1000mA.				
5.4	Serial filming exposures with shortest exposure of 1ms, with automatic kV and mA control for optimum image quality.				
5.5	The system should have capability of digital radiography and fluoroscopy.				
5.6	Should have capability of doing digital pulsed fluoroscopy at 10/2.5/15 frames and 25/30frames per second.				
5.7	Automatic kV, mA & pulse width regulations.				
<b>6.</b>	<b>Digital Imaging &amp; Acquisition / Fluoroscopy</b>				
6.1	Digital system.				
6.2	Acquisition, storage and display in 1024 x 1024 x 12 bits or more at 12.5 / 15 and 25/30 FPS and 512 x 512 at 60 FPS for pediatric work.				
6.3	Parallel processing capability / multitasking facility.				
6.4	Real time filtering and road map function.				
6.5	Magnetic Disk Capacity for Storage of 100,000 images in 1024 x 1024 on the magnetic disk of main console.				
6.6	Minimum scene length to be 10 seconds in 1024 matrix.				
6.7	Digital pulsed fluoroscopy with 12.5 / 15 and 25 / 30 FPS in 1024 x 1024 x 10 bits or more.				
6.8	Images to be stored on and retrieved from archival disks for possible manipulation and quantification using available software packages.				
6.9	Rotational DSA package with 50 degrees/second minimum head end arm rotation speed				
<b>7.</b>	<b>Monitoring System:</b>				
7.3	Two monitors for live images and road mapping in the control room 18 inch or larger LCD/LED and 2 in cath room				
7.4	All the monitors will be of Medical Graded, complied with international standards for medical monitors.				
<b>8.</b>	<b>Recording / Archiving &amp; Communication System:</b>				
8.1	Recording / archiving system should be DICOM-3 compatible.				
8.2	The digital images should be stored as backup on CD/DVD.				

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8.3	DICOM (send/storage, commitment, retrieve/query)				
8.4	Ethernet connection to connect with other terminals.				
8.5	Integrated Intercom system.				
<b>9.</b>	<b>Software / Hardware Packages:</b>				
9.1	Complete analysis package for the following vascular applications.				
9.2	Dynamic pre and post intervention comparison with one image live and other reference.				
9.3	Automatic loop replay after acquisition or fluoroscopy.				
9.4	Dynamic real time pan / zoom.				
9.5	Dynamic real time digital image processing like edge enhancement or gamma correction, noise reduction (spatial filtration.)				
9.6	Roadmap facility				
9.7	Simultaneous display of fluoroscopy and reference images, not only as static images but as dynamic loop.				
9.8	Multitasking capability of recording CD in the background while acquiring new patients fluoro images				
9.9	Online image density (gray scale) correction.				
9.10	Facility to review previous studies in the examination room from the patients old CD.				
9.11	Automatic positioning of the C-Arm corresponding to reference image.				
9.12	Store fluoro facility to store fluoroscopy.				
9.13	Stent visualization system latest version by the company.				
9.14	Table should have stepping top for peripheral dsa for 5 or more steps programming				
<b>10.</b>	<b>Surgical Shadow Less Light:</b>				
10.1	Ceiling suspended LED arm, for Angiographic and surgical procedures.				
<b>11.</b>	<b>Radiation Protection:</b>				
11.1	Ceiling suspended tiltable lead glass for radiation protection of operators head & neck regions and lower body parts.				
11.2	Collision tolerant.				
11.3	Lower body radiation protection flap.				

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<b>12.</b>	<b>Accessories of Angiography System:</b>				
12.1	PHYSIOLOGICAL HEMODYNAMIC MONITORING SYSTEM: (from same manufacturer of angio system or its joint venture partner) Multichannel for 2 channels IBP, Cardiac output with thermo dilution method. 12 lead ECG, and SpO2				
12.2	Digital display of all the parameters like IBP, Heart rate, cardiac output parameters.				
12.3	Pulse oximeter probe				
12.4	Two invasive blood pressure transducer with disposable transducer domes.				
12.5	Interface with angio system				
12.6	One Complete 12 lead ECG Cable set.				
12.7	Cardiac Output (01 No)				
12.8	Fully programmable latest model contrast medium injectors with volume and flow control and facility of contrast medium.				
<b>13</b>	<b>Other Accessories for Angiography Suite</b>				
13.1	UPS -120 KVA or more sine wave online with battery bank to support whole system and accessories with atleast 10 minutes back up				
13.2	Lead aprons (06)				
13.3	Lead goggles (06)				
13.4	Thyroid protectors (06)				
13.5	Lead gloves (06) pairs.				
13.6	Lead glass window of size 5' x 2.5 feet				
<b>14.</b>	<b>Quality &amp; Safety Standards / Radiation Protection:</b>				
14.1	Knockout clause : Main angiography system should have FDA 510K approval and MDD (CE) compliance and country of manufacturing of this unit should be USA, Europe, Japan.				
<b>15.</b>					
15.1	Training of Operator for one week at site				
15.2	Application training on system to doctors				
<b>16.</b>	<b>Installation &amp; Commissioning</b>				
16.1	The contracting firm will install complete system including all accessories within six months starting from date of establishing LC.				
16.2	Manufacturer and supplier shall be responsible for rectifying with all possible speed at their own expense and manage any defect or fault in the system developing at any time during installation and commissioning period.				

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<b>17.</b>	<b>Warranty &amp; Post Warranty Agreement &amp; Maintenance Contract:</b>				
17.1	Warranty period shall be of 3 years starting from date of commissioning, covering services and all parts including X-ray tube (unlimited exposures in 3 years), Detector, software, purchased non proprietor & optional items, machine accessories like UPS, , Injector, etc. Warranty should come from the manufacturer; local agent warranty is not acceptable and vendor should submit proof of manufacturer warranty. This is a knockout clause				
17.2	A certificate shall be produced by the manufacturer guaranteeing availability of a certified and trained engineer atleast in Karachi for atleast TEN YEARS to be immediately available on site, should any need arise.				
17.3	Maintenance of the machine / equipment during the whole period of warranty shall be responsibility of the vendor, failing which, the vendor will have to pay down time penalty as indicated in terms and condition.				
17.4	An annual optimal uptime of 95% is considered as acceptable level of performance. Uptime shall be defined as time available to user for doing data acquisition and processing during working hours of six days a week throughout the year.				
17.5	Compatible ultrasound/Doppler with linear probe for identification and collaboration will be included.				
17.6	Manufacturer / supplier will guarantee the availability of spare parts and accessories for the system for at least ten years.				
17.7	Manufacturer / supplier shall check system performance during and after every two months. Planned Preventive repair and maintenance time will not be considered as downtime.				
17.8	Vendor will mention the rate of service charges with and without parts for the complete system, after the expiry of 3 years warranty period on yearly basis along with the bid in USD				



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	17.9	Manufacturer / supplier should also confirm that in event of the services costs falling or reducing in line with the manufacturer policy worldwide due to technical innovations or other reviews, they will reduce the maintenance cost accordingly				
	17.10	Up-gradation of computing system / FMIS should be carried out as available during warranty period as desired by end user for console and workstation and after warranty within the maintenance agreement cost				
	17.11	Up-gradation of computing system / FMIS should be carried out as available during warranty period as desired by end user for console and workstation and after warranty within the maintenance agreement cost				
	18.	Optional Items:				
	18.1	System Up gradation to higher version should be indicated if provided by manufacturer				
	18.2	Any additional option available with each manufacturer may be offered as optional				
	19.	Cost				
	19.1	Cost on C&F basis				
	Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period Country of Origin: USA, EEC, Japan or Equivalent					
02	<u>Hand Held Fogging Machine with Motor?Blower?Nozzle Technology</u> <ul style="list-style-type: none"><li>Chemicals: Liquid Capacity Output Rate Materials</li><li>1 Hp, 120VAC, 7 amp; 240VAC, 3.5 amp</li><li>Balanced fan, 20,000 rpm</li><li>Counter-rotating vortex design</li><li>High turbulence in nozzle shears should feed liquid into fog-sized droplets (7-30 microns VMD). Nozzle should have no small orifices and resistant to plugging.</li><li>Nozzle should be able to atomize both oil-based and water-based liquids.</li><li>Machine should be used for controlling odors, sanitizing, disinfecting, controlling flies, mosquitoes and other insects, carpet mildew control, dust suppression, humidification, flood and fire damage restoration and other innovative applications. Particle size distribution should vary with liquid viscosity, surface tension, density and output rate. 1 gallon [4 L]?Up to 10 oz [300 ml] per minute</li></ul>			10	Units	

	<ul style="list-style-type: none"> <li>Power head, wand, tank - aluminum Tank gasket - Buna N?Hose - vinyl?Tubing - fuel and oil resistant vinyl Fittings should be of brass</li> <li>The power head can be adjusted to up or down angles as required.</li> <li>Made of durable aluminum, it's light- weight, but tough.</li> </ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)</p> <p><b>Country of Origin: UK, USA, Japan or Equivalent</b></p>			
3	<p><b><u>Skin Graft Mesher</u></b></p> <ul style="list-style-type: none"> <li><b>Heavy Duty Skin Graft Mesher complete with all accessories.</b></li> </ul> <p><b>Specifications/ Features:</b></p> <ul style="list-style-type: none"> <li>Heavy Duty made of Medical Grade Stainless Steel.</li> <li>Totally a self-contained instrument to expand the skin graft.</li> <li>Usable with any length piece of skin.</li> <li>Non-Crushing Non-Carrier based Instrument</li> <li>Meshes by pinching NOT by cutting the graft.</li> <li>System shall allow to mesh any graft length without using any plastic carriers.</li> <li>Capable of creating a uniform pattern and maintaining graft integrity.</li> <li>Ratchet handle shall operate smoothly to provide effortless meshing.</li> <li>Heavy weight base to provide stability and holding the mesher firmly in place for unassisted operations.</li> <li>It shall not contain blades to eliminate the need for sharpening and reduces risk of injury.</li> <li>Fitted with Hand grip/Crossbar giving an extra element of steadiness during meshing and making unit easily transportable.</li> <li>Platform width: 4(1/2)" or 6 (1/2)"</li> <li>Variety of Ratios:- 1:1, 2:1, 3:1, 4:1 &amp; 6:1</li> </ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)</p> <p><b>Country of Origin: UK, USA, Japan or Equivalent</b></p>	02	Units	
4	<p><b><u>Dermatome Battery Operated</u></b></p> <p><b>Specifications</b></p> <p>Battery operated</p> <p>Voltage: 2400 mAh</p> <p>Battery Chemistry: Li-Ion( no Memory effect) Charger for Dermatome</p> <p>Power supply primary: 100-240v/50HZ</p> <p>Charge current: 1200mA</p> <p>Time to charge battery: 2-3 hours approx</p> <p>Weight Without Battery and Motor cartridge: 700-800g</p> <p>Total weight: Not more than 1500g</p> <p>Length: up to 12 Inches</p> <p>Width Head Type : 4.09 Inches</p> <p>Height : 1.5 to 2 inches (Approximately)</p> <p>No Vibration and shock</p> <p>Cutting speed 7000 strokes/Minutes</p> <p>Cordless, battery operated and light weight</p> <p>Precise thickness of the graft from 0.0 to 1.2 mm (0.000 – 0.048") in 0.1 mm (0.008") increments.</p>	03	Units	

	<p>Width-reducing clamps on the dermatome head for cutting of smaller graft widths.  Thickness adjustment should become fixed as required  Should have powerful Li-Ion batteries  Should have autoclave case</p> <p><b>Dermatome Complete Set should Include:</b></p> <ol style="list-style-type: none"> <li>1) Dermatome</li> <li>2) Box of 1X10 Blade</li> <li>3) Dermatome Motor</li> <li>4) Dermatome Battery</li> <li>5) Width Reducing Plates (3)</li> <li>6) Charger For Battery</li> <li>7) Three Options with Charger</li> <li>8) Lubricating Oil</li> <li>9) Safety Funnel</li> <li>10) Safety Hooke</li> <li>11) Operating Manual</li> <li>12) Instruction Manual</li> <li>13) Service Manual</li> <li>14) DVD of Maintenance and after care Videos</li> <li>15) Screw Driver</li> </ol> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)</p> <p><b>Country of Origin: UK, USA, Japan or Equivalent</b></p>			
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**NOTE: The quantities shown against each items are just approximate and payments will be made for the items actually required at site and also as per availability funds.**

\_\_\_\_\_  
**SIGNATURE**

\_\_\_\_\_  
**CONTRACTOR NAME**

\_\_\_\_\_  
**DATE & SEAL**