

**BIDDING DOCUMENTS**

**CIVIL HOSPITAL KARACHI**

**HEALTH DEPARTMENT**

**GOVERNMENT OF SINDH**

**Contract NO:- PD-Trauma Centre-CHK/021 (Rev) 2013-14**

**Tender Documents for**  
**Supplying, Installation, Testing, Commissioning &**  
**Maintenance (during maintenance period) of**  
**Cardiac Surgery Equipments**  
**at**  
**“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**

## **INSTRUCTIONS TO BIDDERS**

1. **Civil Hospital Karachi** invites sealed bids on single stage two envelopes system as per Sindh Public Procurement Rules 2010 from Manufacturers/Importers/Sole Agents/Contractors for **"Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period) of Cardiac Surgery Equipments at Shaheed Mohatarma Benazir Bhutto, Accident, Emergency & Trauma Centre and Ancillary Services Complex at Civil Hospital Karachi"**, (Contract No. PD-Trauma Centre-CHK/021 (Rev) 2013-14).
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**

1.	Name of Work & Address	:	Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period) of Cardiac Surgery Equipments at "Shaheed Mohatarma Benazir Bhutto, Accident, Emergency & Trauma Centre and Ancillary Services Complex at Civil Hospital Karachi" (Contract No. PD-Trauma Centre-CHK/021 (Rev) 2013-14).
2	Time & Date of issue of Tenders	:	From the date of publishing to one day before opening of Technical Proposal, during office hours.
3	Place of Issuance of Tender	:	Office of the Project Director, OPD-Block Civil Hospital Karachi.
4	Date of pre-bid meeting	:	In case requested by bidders or informed by Project Director.
5	Method of opening of Tender	:	It will be Single Stage Two Envelope system as per SPPRA-Rules 2010.
6	Date & Time of Submission of Tenders	:	As published in newspapers
7	Date & Time of Opening of Tenders / Technical Proposals	:	As published in newspapers
8	Date of Opening of Financial Proposals	:	As informed by Project Director to all participants
9	Venue of submission & opening of Tenders	:	Board Room situated at Second Floor of the Administration Block of Civil Hospital Karachi.
10.	Validity of Tenders	:	As per SPPRA-Rules 2010.
11.	Amount of Earnest Money/Bid Security	:	2% of the Contract value in shape of pay-order / Call Deposit from schedule Bank to be submitted along with Financial Proposal.
12.	Supply of Equipment	:	Within three months after the opening of LC. However, this period is extendable as per mutual agreement/demand of the situation.
13.	Installation Period	:	It will start after three months of receiving 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 two years with replacement of parts.
15	Warranty Period with replacement of Parts and services	:	The warranty period of parts with Free of cost replacement will be for two years. Two years free service from the date of Installation.
16	Contract Agreement	:	The Contract shall enter & execute a formal Agreement as per the "Form" annexed with such modification as may be necessary, by the Project Director.
(a)			
(b)	Stamp Paper requirement for Agreement.	:	- Rs. 0.30% of the Contract Value or as prescribed by Government Laws.

17	<b>Terms of Payment to Contractors.</b>	
(i)	Payment to Contractors on opening of L.C (Letter of Credit) by Contractor.	: In case items are imported and supply order is placed on C & 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. The LC should be opened within thirty days after receiving of the supply order from the Project Director. <b>PLEASE NOTE THAT THE L.C ON TRANS-SHIPMENT BASIS IS NOT ACCEPTABLE</b>
(ii)	Payment of balance amount	: All balance payments will be released after receiving of equipment at site subject to submission of Performance Security in the following manner; • Pay-order equivalent to 5% of the value of Purchase order OR • Bank Guarantee equivalent to 10% of the value of Purchase order The Performance Security will be released after successful installation of equipment and issuance of satisfactory Performance Certificate from the End-user.
18	Release of Earnest Money/Bid Security of 2%	: 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.
19	Security Deposit	: 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.
20	Release of Security Deposit of 5%	: After completion of maintenance or Defect Liability period of two years as under:- After satisfactory completion of maintenance period of Six Months – 2.5% After satisfactory completion of maintenance period of two years – 2.5%
21	VARIATION IN CONTRACT PRICE.	: NO VARIATION IN PRICE SHALL BE ALLOWED ON ANY GROUND INCLUDING CURRENCY FLUCTUATION/VARIATION OR WHATSOEVER.
22	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.

23	Taxes.	:	All taxes will be deducted as per prevalent laws of country.
24	Approved makes.	:	As mentioned in items individually.
25	SPECIAL NOTE REGARDING EQUIPMENTS	:	<p><b>TECHNICAL OFFERS / COMMERCIAL OFFERS FAILING TO DEMONSTRATE BELOW DETAILS WOULD BE REJECTED:</b></p> <p>a. QUOTED SYSTEM MUST BE OF ADVANCED &amp; LATEST VERSION.</p> <p>b. QUOTATION MUST COVER COMPLETE EQUIPMENT.</p> <p>c. QUOTATION MUST COVER COMPLETE RANGE OF DISPOSABLES / KITS</p> <p>d. QUOTATION MUST PROVIDE ALL TECHNICAL DETAILS UP TO THE SATISFACTION OF THE END USER.</p> <p>e. ITEMS SHOULD BE QUALITY APPROVED FROM THE CONCERNED INTERNATIONAL BODY OF THE RESPECTIVE INDUSTRY.</p>
26	Inspection of Imported equipment manufacturing site by the client.	:	After the award of Purchase Order, Supplier shall take two person to the manufacturing site and bear all expenses of visit in case the cost 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.
27	Maintenance.	:	<ul style="list-style-type: none"> <li>Maintenance cost for all Equipments for Two years from date of successful Installation shall be undertaken by the Contractor (Maintenance includes all Parts &amp; Labour, etc. with sufficient staff, during maintenance period).</li> </ul>
28	Default in Preventive Maintenance, Breakdown and Emergency Calls.	:	<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 degaulter.</li> </ul>
29	COST TO BE QUOTED IN BOQ.	:	<ul style="list-style-type: none"> <li>The Contractors shall quote Both 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>
30	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 SPPRA – 2010.

## 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 Anaesthesia Equipments" will also repair all the damages done to the building while Installing Anaesthesia Equipments 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 2% 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 SPPRA-2010.**
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 Sole 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. 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 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

## **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. Medical 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:



Supplier's Name: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_ Designation \_\_\_\_\_

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

Contact No. \_\_\_\_\_ Fax No. \_\_\_\_\_ Cell No. \_\_\_\_\_

E. mail address: \_\_\_\_\_

**CRITERIA FOR TECHNICAL EVALUATION OF THE BID :-**

Specifications with best quality / features of the quoted item.	Points 50	
Service backup facilities in KARACHI of the quoted item.	Points 30	
According to the Terms & Conditions mentioned in the Bid Form.	Points 20	



## **FORM OF AGREEMENT**

- I. THIS AGREEMENT made this \_\_\_\_\_ day of \_\_\_\_\_ Between Messrs. Project Director "Shaheed Mohatarma Benazair 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 Cardiac Surgery Equipments at Shaheed Mohatarma Benazir Bhutto, Accident, Emergency & Trauma Centre and Ancillary Services Complex at Civil Hospital Karachi (Contract No. PD-Trauma Centre-CHK/021 (Rev) 2013-14)** 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 carryout 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 \_\_\_\_\_.

Tender S. No.	Description of Items	Rate on C&F Basis	Quantity Ordered	Total value in figures
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

Battery Handpiece, modular, for Trauma Recon System 1.Maximum Speed 1450 rpm	1
Lid for Battery Handpiece No. 05.001.201, for Trauma Recon System	1
Universal Battery Charger II	1
Sterile Cover, for Trauma Recon System	1
AO/ASIF Quick Coupling, for Trauma Recon System 1.Maximum Torque [Nm] 3	1
Drill Chuck (Drilling Speed), with Key, for Trauma Recon System, clamping range up to Ø 7.3 mm	1
Attachment for Acetabular and Medullary Reaming, for Trauma Recon System 1.Maximum Reaming Torque [Nm] 13	1
Quick Coupling for Kirschner Wires Ø 1.0 to 4.0 mm, for Trauma Recon System	1
Sagittal Saw Attachment, for Trauma Recon System 1.Deflection Sagittal Saw Attachment [°] 4.5	1
Washing Basket Full Size 1/1 for TRS	1
Lid for Washing-Machine Basket for Trauma Recon System	1

- For technical bid each vendor is requested to fill up the above mentioned performa with the desired information in the last column, on the same MS word format in YES or NO form, with verifiable references (along with proper pagination, paragraph and line description).

**Complete Job:** Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)  
**COUNTRY OF ORIGIN:** USA, EEC, JAPAN OR EQUIVALENT

SIGNATURE

CONTRACTOR NAME

DATE & SEAL

**BIDDING DOCUMENTS**

**CIVIL HOSPITAL KARACHI**

**HEALTH DEPARTMENT**

**GOVERNMENT OF SINDH**

**Contract NO:- PD-Trauma Centre-CHK/021 (Rev) 2013-14**

**Tender Documents for**  
**Supplying, Installation, Testing, Commissioning &**  
**Maintenance (during maintenance period) of**  
**Cardiac Surgery Equipments**

**at**

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

**VOLUME-II**

**FINANCIAL BID DOCUMENTS**

## **SUMMARY OF CONTENTS**

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## **FORM OF BID**

The Project Director,  
Shaheed Mohatarma Benazir Bhutto,  
Accident, Emergency & Trauma Centre,  
And Ancillary Services Complex At,  
Civil Hospital Karachi.

**Sub: Supplying, Installation, Testing, Commissioning and Maintenance (during maintenance period) of Cardiac Surgery Equipments for the project Shaheed Mohatarma Benazir Bhutto, Accident, Emergency & Trauma Centre and Ancillary Services Complex at Civil Hospital Karachi, (Contract No. PD-Trauma Centre-CHK/021 (Rev) 2013-14).**

**Dear Sir,**

1. Having examined the Tender Documents and the site conditions for the above mentioned Project, we, the undersigned offer to Supply, Installation, Testing, Commissioning and maintenance (during maintenance period) of the whole of the said works in conformity with the said tender Documents (and Addendum if any) for the sum of undermentioned amount on DDP basis:-

Bid Price (In Figure):	
Bid Price (In Words):	

2. The above total sum is based on the quantities shown in the Bill of Quantities and other works as mentioned in Salient Features.
3. We undertake, if our tender is accepted, to sign an agreement within 15 calendar days following receipt of letter of award in the form laid out in annexure to this Tender with such alterations and additions thereto as may be required to adopt, such Agreement to circumstances of this Tender.
4. We undertake, if our Tender is accepted, to mobilize on site within 7 calendar days of receipt of the letter of award and commence the works on the first works comprised in the contract within the time of completion specified in the Salient Features.
5. We agree to abide by the Tender for a period of 90 calendar days from the date of opening of tender and shall remain binding upon us and may be accepted at any time before the expiration of that period.

6. Unless and until a formal Agreement is prepared and executed, this Tender together with your written acceptance thereof and other relevant correspondence subsequent to the Tender shall constitute a binding Contract between us.
7. We understand that you are not bound to accept the lowest or any tender you may receive, and that you will not reimburse any expenses incurred by us in preparing and submitting the Tender or otherwise in connection with the Tender.
8. As a guarantee for the performance of the undertakings and obligations of this Tender, we submit herewith Earnest Money/Bid Security equivalent to 2% of the quoted cost in an amount Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) in form of Pay Order issued by the Bank vide No. \_\_\_\_\_ dated \_\_\_\_\_ made in your favor and made payable to you without any reference to us and valid for 90 calendar days from the date of submission of Tender.
9. The Tender Documents referred to above constitute a part of this Tender and comprise of the documents listed hereunder:
  - 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).

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_  
 Signature: \_\_\_\_\_ in the capacity of \_\_\_\_\_ duly  
 authorized to sign bids for and on behalf of \_\_\_\_\_

(Name of Bidder in Block Capitals)  
 (Seal)

Address

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Witness:

(Signature) \_\_\_\_\_

(Name) \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Occupation \_\_\_\_\_



## BILL OF QUANTITY

**Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period) of Cardiac Surgery Equipment at Shaheed Mohatarma Benazair Bhutto, Accident, Emergency & Trauma Centre and Ancillary Services Complex at Civil Hospital Karachi**  
(Contract No. PD-Trauma Centre-CHK/021 (Rev) 2013-14)

S.No	Specification	Qty	Unit	Unit Price	Total Amount												
(1)	(2)	(3)	(4)	(5)	(6)												
1.	<p><b><u>TEG ANALYZER:</u></b></p> <ul style="list-style-type: none"><li>• Microprocessor controlled electro-mechanical coagulation instrument to determine coagulation in fresh and citrated whole blood samples.</li><li>• Clotting-time results are presented on the instrument's Clot Time Display (CTD) and Liquid Crystal Display (LCD) screens.</li><li>• Anticoagulant dosages can be adjusted quickly</li><li>• Suited for all point-of-care testing situations.</li><li>• Data management and connectivity-ready capability.</li><li>• Long-term data storage and retrieval, with access to patient and quality control test data.</li><li>• Test results are stored in the order in which they are performed.</li><li>• The ability to externally transfer or save data enhances the system's versatility.</li><li>• With all accessories.</li><li>• For technical bid each vendors are requested to fill up the above mentioned performa with the desired information in the last column, on the same MS word format in YES or NO form, with verifiable references (along with proper pagination, paragraph and line description).</li></ul> <p><b>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)</b> <b>COUNTRY OF ORIGIN: USA, EEC, JAPAN OR EQUIVALENT</b></p>	01	Unit														
2.	<p><b><u>TRAUMA RECON SYSTEM-LI-ION BATTERY OPERATED TECHNOLOGY</u></b></p> <p><b>(Modular Power Tool Designed For Traumatology And Reconstructive Surgery)</b></p> <table><tr><td>Power Module, for Trauma Recon System</td><td>1</td></tr><tr><td>1. Maximum Speed 1450 rpm</td><td></td></tr><tr><td>2. Maximum Torque: 3.0Nm</td><td></td></tr><tr><td>3. Power [W] 170</td><td></td></tr><tr><td>4. Best Energy weight Battery Ratio [Wh/kg] = 1kg Li-Ion Battery=2kg Ni MH Battery= 3kg NiCd Battery</td><td></td></tr><tr><td>5. Power Module, for Trauma Recon System</td><td></td></tr></table>	Power Module, for Trauma Recon System	1	1. Maximum Speed 1450 rpm		2. Maximum Torque: 3.0Nm		3. Power [W] 170		4. Best Energy weight Battery Ratio [Wh/kg] = 1kg Li-Ion Battery=2kg Ni MH Battery= 3kg NiCd Battery		5. Power Module, for Trauma Recon System		02	Units		
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5. Power Module, for Trauma Recon System																	

6. Maximum Speed 1450 rpm 7. Maximum Torque: 3.0Nm 8. Power [W] 170 9. Best Energy weight Battery Ratio [Wh/kg] = 1kg Li-Ion Battery=2kg Ni MH Battery= 3kg NiCd Battery 10. Approximate weight [g] 1300 11. Fully cannulated (max. 4.0mm) 12. Modular system 13. Use Li-Ion Battery Technology 14. Temperature and current Sensitive over load protection .	1					
Battery Handpiece, modular, for Trauma Recon System 1.Maximum Speed 1450 rpm	1					
Lid for Battery Handpiece No. 05.001.201, for Trauma Recon System	1					
Universal Battery Charger II	1					
Sterile Cover, for Trauma Recon System	1					
AO/ASIF Quick Coupling, for Trauma Recon System 1.Maximum Torque [Nm] 3	1					
Drill Chuck (Drilling Speed), with Key, for Trauma Recon System, clamping range up to Ø 7.3 mm	1					
Attachment for Acetabular and Medullary Reaming, for Trauma Recon System 1.Maximum Reaming Torque [Nm] 13	1					
Quick Coupling for Kirschner Wires Ø 1.0 to 4.0 mm, for Trauma Recon System	1					
Sagittal Saw Attachment, for Trauma Recon System 1.Deflection Sagittal Saw Attachment [°] 4.5	1					
Washing Basket Full Size 1/1 for TRS	1					
Lid for Washing-Machine Basket for Trauma Recon System	1					
<p>• For technical bid each vendor is requested to fill up the above mentioned performa with the desired information in the last column, on the same MS word format in YES or NO form, with verifiable references (along with proper pagination, paragraph and line description).</p> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)</p> <p>COUNTRY OF ORIGIN: USA, EEC, JAPAN OR EQUIVALENT</p>						
GRAND TOTAL						

Grand Total in Pak. Rupees, on DDP / C&F basis \_\_\_\_\_

SIGNATURE

CONTRACTOR NAME

DATE & SEAL