

**STANDARD BIDDING DOCUMENT**



**GOVERNMENT OF SINDH**

**SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE  
OF TRAUMA, KARACHI**

**TENDER REFERENCE# PROC/SMBBIT/(P&M-01)/2020-21**

**PROCUREMENT OF PLANT & MACHINERY  
(SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF  
PLANT & MACHINERY)**

**AT**

**SMBB INSTITUTE OF TRAUMA, KARACHI**

**NOTE:**

- 1) All the participants must be signed each & every page of bid documents, else offer will be rejected.
- 2) No tender will be accepted after closing of the Tender box, what so ever reason may be.

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## **BIDDING DATA**

Procuring Agency	:	SMBB Institute of Trauma
Address	:	Chand Bibi Road, Karachi
Name of Item	:	<b>Procurement of Plant and Machinery (Supply, Installation, Testing &amp; Commissioning of Plant &amp; Machinery)</b>
Bid Validity	:	90 Days
Amount of Bid Security	:	2% of Bid Quoted Price
Last date of Selling of Bid	:	18-03-2021 till 04:00P.M.
Date of Submission of Bid	:	19-03-2021 09:00a.m. to 10:00a.m.
Date of Opening of Bid	:	19-03-2021 at 10:30a.m.
Place of Submission of Bid	:	13 <sup>th</sup> Floor SMBB Institute of Trauma Procurement Department
Venue for Opening of Bids	:	12 <sup>th</sup> Floor SMBB Institute of Trauma Seminar Hall
Performance Security	:	Successful bidder submit <b>10%</b> Performance Security in shape of Bank Guarantee <b>5% each</b> of The Total Contract Value
Language of Bid	:	English
Bidding Procedure	:	Single Stage Two Envelope Procedure/ SPP rule 46(2)
Advance Payment	:	No Advance Payment
Period of Completion	:	As per ANNEX-C
Liquidity Damages	:	0.5% of the bid price per week after the period of Completion up to 10% maximum
Inspection Authority	:	Nominated Inspection Committee
Required Item Quality	:	All items will be procured on approved Specification
Place of Delivery	:	Store of SMBB Institute of Trauma, Karachi

# **INSTRUCTIONS TO BIDDERS**

**1. Shaheed Mohtarma Benazir Bhutto Institute of Trauma** invites sealed bids from Manufacturers/ Importers/ Sole Agents/ Contractors for **Procurement of Plant and Machinery (Supply, Installation, Testing & Commissioning of Plant & Machinery)** at **Shaheed Mohtarma Benazir Bhutto Institute of Trauma, Karachi Tender Reference No:- PROC/SMBBIT/(P&M-01)/2020-21.**

**2. Bidding Procedure Single Stage - Two Envelope Procedure 46(2) as per SPPRA rule amended till date;**

- i. A Bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal;
- ii. Envelopes shall be marked as —**FINANCIAL PROPOSAL** and **TECHNICAL PROPOSAL** in bold and legible letters to avoid confusion;
- iii. Initially, only the envelope marked —**TECHNICAL PROPOSAL** shall be opened;
- iv. Envelope marked as —**FINANCIAL PROPOSAL** shall be retained in the custody of the procuring agency without being opened;
- v. Procuring agency shall evaluate the technical proposal in a manner prescribed in advance, without reference to the price and reject any proposal which does not conform to the specified requirements;
- vi. No amendments in the technical proposal shall be permitted during the technical evaluation;
- vii. Financial proposals of technically qualified bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance;
- viii. Financial proposal of bids found technically non-responsive shall be returned unopened to the respective bidders; and Bid found to be the lowest evaluated or best evaluated bid shall be accepted.

**3.** Bidders are required to check that Tender Documents issued to them are complete in all respects as per table of content.

**4. LANGUAGE OF BID:** The bid prepared by the bidder, as well as all correspondence and documents relating to the bid exchanged by the bidder and the Procuring Agency shall be in English. Supporting documents and printed literature furnished by the bidder may be in another language provided these are accompanied by an accurate translation of the relevant

passages in English, in which case for purposes of interpretation of the Bid, the translated version shall prevail.

5. Bidders should examine carefully the table of content. 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 Planning & Procurement Department before bidding. Once the tender is submitted, it will be assumed that no further clarification was required.
6. The original bid shall be typed or written in indelible ink by the bidder or person duly authorized. The person or persons signing the bid shall initial all pages of the bid. The name and designation of each person signing must be mentioned below the signature.
7. No bidder shall be allowed to alter or modify his bid after the bids have been opened. However, the procuring agency may seek and accept clarification to the bids that do not change substances of the bids.
8. The Procuring Agency may reject all bids or proposal at any time prior to the acceptance of a bid or proposal. The Procuring Agency upon request communicate to any supplier or contractor who submitted a bid or proposal, the grounds for its rejection of all bids or proposal, but is not required to justify those grounds.
9. The quoted rates should include all costs of whatsoever description and expenses necessary for the whole work 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.
10. No unauthorized alteration may be made in the Tender documents. If any such alteration is made, tender may be liable for rejection.
11. Clarification, revision, addition or deletion, in the tender documents may be made by the authority 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 concerned authority and will become part of the contract documents. Each Addendum shall be signed by the Vendor and returned with other Tender documents.

12. 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 Bidding Data of the Tender.
13. Contractor who will win the tender will be required to enter into a Contract Agreement as defined in the Form of Agreement.
14. 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.
15. For the purpose of comparison of bids quoted in different currencies, price shall be converted into Pakistani Rupees. The rate of exchange shall be the selling rate prevailing seven working days before the date of opening of the bids, as notified by the National Bank of Pakistan (NBP) / State Bank of Pakistan (SBP).
16. No bidder shall contact the Procuring agency on any matter relating to its bid, from the time of the bid opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of the Procuring agency, it should do so in writing.
17. **PROCURING AGENCY'S RIGHT TO VARY QUANTITIES** The Procuring Agency reserves the right to increase or decrease the quantity of stores originally specified in the Price Schedule and Schedule of Requirements without any change in unit price or other terms and conditions.
18. The Procuring agency's evaluation of a bid will take into account, in addition to the bid price quoted, the following;
  - a) Incidental costs
  - b) Delivery schedule offered in the bid;
  - c) Deviations in payment schedule

- d) The cost of components, mandatory spare parts, and service
- e) The availability of spare parts and after-sales services for the equipment offered in the bid;
- f) The projected operating and maintenance costs during the life of the equipment; the performance and productivity of the equipment offered; and / or other specific criteria indicated in the Bid Data Sheet and / or in the Technical Specifications.

## **19. CORRUPT OR FRAUDULENT PRACTICES**

- a) The Procuring Agency and the Bidders / Manufacturers / Contractors are expected to observe the highest standard of ethics during the procurement and execution of the Contract. In pursuance of this policy, the relevant terms / phrases as may apply are defined below: **“corrupt practice”** means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in Contract execution; and **"fraudulent practice"** means a misrepresentation of facts in order to influence a procurement process or the execution of a Contract to the detriment of the Procuring Agency, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial noncompetitive levels and to deprive the Procuring Agency of the benefits of free and open competition;
- b) The Procuring Agency will take all possible administrative / legal measures if it is found that the Bidder recommended for award was / is engaged in corrupt or fraudulent practice(s) before or after signing of the contract resulting into the conviction of the proprietor under criminal case besides blacklisting of the firm either indefinitely or for such period of time as may be determined by the Procuring Agency.
- c) Will declare a firm ineligible, either indefinitely or for a stated period of time, for the award of a Contract if it, at any time, determines that the firm has engaged in corrupt or fraudulent practices in competing for or in executing a Contract.

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

<b>1.</b>	<b>Name of Work &amp; Address</b>	<b>:</b>	<b>Procurement of Plant and Machinery (Supply, Installation, Testing &amp; Commissioning of Plant &amp; Machinery) Shaheed Mohtarma Benazir Bhutto Institute of Trauma, Karachi</b> Reference No:- PROC/SMBBIT/(P&M-01)/2020-21
<b>2.</b>	<b>Place of Issuance of Tender</b>	<b>:</b>	<b>Planning &amp; Procurement Department, 13<sup>th</sup> Floor SMBB Institute of Trauma, Karachi.</b>  SPPRA & Smbbtc.gos.pk Website
<b>3.</b>	<b>Date of pre-bid meeting</b>	<b>:</b>	<b>Dated: 05-03-2021 Time: 10:30a.m. Venue: 12<sup>th</sup> Floor Seminar Hall of SMBBIT.</b>
<b>4.</b>	<b>Method of opening of Tender</b>	<b>:</b>	It will be Single Stage Two Envelope basis as per SPPRA Rules 2010 (Amended till date).
<b>5.</b>	<b>Venue of submission</b>	<b>:</b>	Planning & Procurement Department situated at 13 <sup>th</sup> Floor of SMBB Institute of Trauma, Karachi.
<b>a.</b>	<b>Opening of Tenders</b>	<b>:</b>	Seminar Hall situated at 12 <sup>th</sup> Floor of SMBB Institute of Trauma, Karachi.
<b>6.</b>	<b>Date of Opening of Financial Proposals</b>	<b>:</b>	As informed by Procurement Committee to all participants
<b>7.</b>	<b>Validity of Tenders</b>	<b>:</b>	90 days as per SPPRA Rules, 2010 (Amended till date).
<b>8.</b>	<b>Amount of Bid Security</b>	<b>:</b>	2% of the Total Quoted amount in shape of pay-order / Demand draft from any schedule bank to be submitted along with Financial Proposal & a copy should be attached in Technical Proposal without showing the amount (else the offer will be rejected).
<b>9.</b>	<b>Bid Currencies</b>	<b>:</b>	Prices shall be quoted in following manner; If Contractor quote DDP basis then price should be in Pakistani Rupees If Contractor Quote C&F then price in Foreign Currency
<b>10.</b>	<b>Supply of Equipment</b>	<b>:</b>	As mentioned in Schedule of Requirement <b>Annex-C.</b>
<b>11.</b>	<b>Installation Period</b>	<b>:</b>	It will start after receiving of equipment at site.



12.	<b>Warranty &amp; Maintenance Period</b>	:	It will start after the satisfactory installation of the equipment and issuance of Installation Certificate from the concerned official. <b>This period will remain functional till (mentioned in items individually) with replacement of parts.</b>
13. (a)	<b>Contract Agreement</b>	:	The Contractor shall enter & execute a formal Agreement as per the "Form" annexed with such modification as may be necessary.
(b)	<b>Stamp Paper / duty requirement for Agreement.</b>	:	Rs. 0.35% of the Contract Value or as prescribed by Government Laws.
<b>14. Terms of Payment to Contractors.</b>			
i)			<p><b>For Goods supplied on DDP:</b></p> <ul style="list-style-type: none"> <li>i. Payment shall be made in Pak Rupees.</li> <li>ii. The payment will be made to the Bidder within 30 days of the receipt of original delivery challan(s) and invoice(s) in duplicate duly completed in all respect and signed and stamped by the Chairman of the Inspection Committee. The Inspection Committee will prepare and submit a report of physical inspection with a certificate to the effect that the goods conform to the specifications laid down in the bidding documents.</li> </ul> <p>OR</p> <p><b>Incase items are imported and supply orders placed on C&amp;F:</b></p> <ul style="list-style-type: none"> <li>i. The Procuring Agency shall pay the Bidder or its Principal through irrevocable letter of credit opened in favor of the Bidder or its Principal in a bank in its country, upon submission of all the requisite documents.</li> <li>ii. Bidder will bear all the additional bank charges inside and outside the Procuring Agency country on account of Confirmation of L/C, if he desires to establish Confirmed L/C etc.</li> <li>iii. 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 Insurance of equipment will also be paid / bear by the contractor(s) until execution of the Contract.</li> </ul>
15.	<b>Insurance</b>	:	The goods supplied under the Contract shall be delivered to the Procuring Agency after the payment of all taxes and customs duty, CESS, Octroi charges etc. Risk will be transferred to the Procuring Agency only

			after the delivery of these goods has been made to the Procuring Agency. Hence, payment of insurance premium, if any, shall be the responsibility of the Bidder.
16.	<b>Release of Bid Security of 2%</b>	:	To un-successful bidders, after work is awarded. Bid Security will be released to successful bidder after purchase order is released but after Security Deposit is deposited <b>as per item – 17.</b>
17.	<b>Security Deposit</b>	:	The successful bidder will have to deposit the requisite Performance security Bond in shape of Bank Guarantee ( <b>as per amount mentioned in bidding data sheet</b> ) which will be released <b>as per item 18.</b>
18.	<b>Release of Performance / Security Deposit of 10%</b>	:	<ul style="list-style-type: none"> <li>• 5% of Partial Bank Guarantee will be released after the satisfactory supply and installation of the equipment. (Bidder will furnish Installation Certificate dully signed by authorized representative at the time of release of Bank Guarantee).</li> <li>• 5% of Partial Bank Guarantee will be released after satisfactory completion of warranty / maintenance period (<b>mentioned in Items individually</b>).</li> </ul>
19.	<b>Variation in Contract Price</b>	:	Amount mention in Contract Agreement will prevail till execution and no variation in price shall be allowed on any ground including Currency Fluctuation / Variation / Devaluation or whatsoever.
20.	<b>Taxes</b>	:	All taxes will be deducted as per prevalent laws of Country.
21.	<b>Approved makes.</b>	:	<b>As mentioned in items individually.</b>
22.	<b>Special Note Regarding Equipment's</b>	:	<p>Technical offers / Commercial offers failing to demonstrate below details would be rejected:</p> <ul style="list-style-type: none"> <li><b>a.</b> Quoted system must be of advanced &amp; latest version.</li> <li><b>b.</b> Tender must cover complete equipment.</li> <li><b>c.</b> Tender must cover complete range of disposables/ kits</li> <li><b>d.</b> Tender must provide all technical details up to the satisfaction of the end user.</li> <li><b>e.</b> Items should be quality approved from the concerned international body of the respective industry.</li> </ul>
23.	<b>Inspection of Imported equipment (a) manufacturing site by the client.</b>	:	After the Award of Tender / Contract, Supplier shall take two persons to the manufacturing site and bear all expenses of visit in case the cost of Award of Tender / Contract is above 30 Million.

(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.
24.	<b>Maintenance.</b>	:	Maintenance cost for all items for Period ( <b>mentioned in items individually</b> ) from the date of successful Installation shall be undertaken by the Contractor (Maintenance includes all Parts & Labor, etc. with sufficient staff, during maintenance period).
25.	<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 the Procuring Agency 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>
26.	<b>Cost to Be Quoted IN B.O.Q.</b>	:	<ul style="list-style-type: none"> <li>• The Contractors shall quote <b>DDP</b> and <b>C&amp;F</b> price of the Equipment's 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>
27.	<b>Tax Exemption.</b>	:	Incase 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 Institute, 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).
28.	<b>Transportation</b>	:	<p>The Bidder shall arrange such transportation of the goods as is required to prevent them from damage or deterioration during transit to their final destination as indicated in the Schedule of Requirements.</p> <p>The goods shall be supplied on "<b>D.D.P</b>" and "<b>CFR / CNF/ C&amp;F / CPT</b>" Basis at the SMBB Institute of Trauma Karachi. Miscellaneous charges on logistics, transportation, Insurance, clearing from sea port/ airport will also be paid / bear by the contractor(s).</p>

## **TERMS & CONDITIONS OF TENDER**

- a) **Shaheed Mohtarma Benazir Bhutto Institute of Trauma, Karachi** invites sealed bids on **Single Stage Two Envelope Procedure** as per clause 46(2) of Sindh Public Procurement Rules 2010 (Amended till date) from Interested Bidders for **Procurement of Plant and Machinery (Supply, Installation, Testing & Commissioning of Plant & Machinery) at SMBB Institute of Trauma, Karachi.**
- b) Tender Fee in shape of pay order in favor of **SMBB Institute of Trauma Karachi** must be attached; else the offer will be rejected.
- c) The registered Contractors / Suppliers / Manufacturers / Authorized Distributors should attached **BID SECURITY** (as per amount mentioned under Bidding Data) in shape of Bank Draft / Pay order issued from any scheduled Bank of Pakistan in favor of **SMBB Institute of Trauma Karachi** in the financial proposal. However copy of same should be attached in technical proposal without showing the amount.
- d) **PERFORMANCE SECURITY:** The successful bidders will have to deposit the requisite Performance Security Bond in the shape of a Bank Guarantee in favor of **SMBB Institute of Trauma Karachi (as per mentioned in salient features of this bidding document point # 17)**. The same will be released after successful completion of contract period **as per point# 18 of salient features.**
- e) Bid should be dropped at Planning & Procurement Office,**13<sup>th</sup> Floor, SMBB Institute of Trauma, Karachi** by hand in due course of time and the same will be opened at Seminar Hall, **12<sup>th</sup> Floor, SMBB Institute of Trauma.**
- f) Bid / offer will be evaluated as per (**Technical Evaluation Criteria Mandatory as Annex-A**) and (**Technical Evaluation Criteria Marking as Annex-B**) and also the bid's Terms & Conditions.
- g) Bid should be inclusive of all Government taxes (if applicable) and the same will be paid by the Contractor except withholding tax.

- h) The firm will be responsible for all supply of all awarded items to Store Department of SMBB Institute of Trauma Karachi if it fails the Security Deposit will be forfeited.
- i) Procuring Agency shall disqualify a contractor, whether pre-qualified or not, if it finds at any time, that the information submitted by him concerning his qualification and professional, technical, financial, legal, or managerial competence as contractor was false and materially inaccurate or incomplete at any stage.
- j) 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.
- k) Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If the Supplier does not accept the correction of the errors, its bid will be rejected, and its bid security may be forfeited. If there is a discrepancy between words and figures, the amount in words will prevail.
- l) If bidder elects to submit alternate bid / proposal(s), the Bid Security shall be attached for higher bid amount; otherwise both proposals / bids will be rejected.
- m) 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 till date).
- n) 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.
- o) No tender will be entertained without Security deposit. The Security deposit will be forfeited, in case of non-submission of Performance security within seven (7) days of receipt of letter of Acceptance.
- p) Bids submitted late due to any reason what so ever, shall not be considered and returned unopened to the bidder or his authorized representative.

- q) If the supplier fails to give supply and install within the stipulated period, liquidity charges will be imposed.
  
- r) If the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Procuring agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in Bidding Data of the delivered price of the delayed Goods or unperformed Services for each week or part thereof delay until actual delivery or performance, up to a maximum deduction of the percentage specified in Bidding Data. Once the maximum is reached, the Procuring agency may consider termination of the Contract.

I / We agree to above mentioned Terms & Conditions:

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

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

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

\_\_\_\_\_

Company Stamp \_\_\_\_\_

# **GENERAL CONDITIONS OF CONTRACT (G.C.C)**

- 1. Definition:** In this Contract, the following terms shall be interpreted as indicated:
  - a) "The Contract" means the agreement entered into between the Procuring Agency and the Bidder, as recorded in the Contract Form signed by the Parties, including all attachments and appendices thereto and all documents incorporated by reference therein
  - b) "The Contract Price" means the price payable to the Bidder under the Contract for the full and proper performance of its Contractual obligations.
  - c) Goods means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Procuring Agency under the Contract.
  - d) Related Services means the services incidental to the supply of the goods, such as insurance, installation, training and initial maintenance, printing of special instructions on the label and packing, design and logo of the Procuring Agency, transportation of goods up to the desired destinations and other such obligations of the Bidder covered under the Contract.
  - e) "GCC" means the General Conditions of Contract contained in this section.
  - f) "SCC" means the Special Conditions of Contract.
  - g) "The Procuring Agency" means the Shaheed Mohtarma Benazir Bhutto Institute of Trauma Karachi.
  - h) "The Bidder" means the individual or firm supplying the goods under this Contract.
  - i) "Day" means official working day excluding national holidays.
- 2. APPLICATION:** These General Conditions shall apply to the extent that they are not inconsistent with provisions of other parts of the Contract.
- 3. STANDARDS:** The goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications goods eligibility criteria.
- 4. USE OF CONTRACT DOCUMENTS AND INFORMATION:**
  - a) The Bidder shall not without the Procuring Agency's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern; sample, or information furnished by or on behalf of the Procuring Agency in connection therewith, to any person other than a person employed by the Bidder in the performance of the

Contract. Disclosure to such employed person shall be made in confidence and shall extend only, as far as may be necessary, to such performance and not further or otherwise.

- b) Any document, other than the Contract itself, shall remain the property of the Procuring Agency and shall be returned (all copies) on completion of the Bidder's performance under the Contract.
- c) The Bidder shall permit the Procuring Agency to inspect the Bidder's accounts and records relating to the performance of the Supplies.

**5. PATENT RIGHTS:** The Bidder shall indemnify the Procuring Agency against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the country.

**6. ENSURING STORAGE ARRANGEMENTS:** To ensure storage arrangements for the intended supplies, the Bidder shall inform the Procuring Agency at least two weeks prior to the arrival of the consignments at its store/warehouse. However, in case no space is available at its store/warehouse at the time of supply, the Procuring Agency shall, seven days prior to such a situation, inform the Bidder, in writing, of the possible time-frame of availability of space by which the supplies could be made. In case the Bidder abides by the given time frame, he will not be penalized for delay.

**7. INSPECTIONS, TESTS AND TRAINING:**

- a) The Procuring Agency or its representative shall have the right to inspect and/or test the goods to confirm their conformity to the Contract specifications at the cost payable by the Bidder.
- b) The Procuring Agency's right to inspect, test and, where necessary, reject the goods either at Bidder's premises or upon arrival at Procuring Agency's destinations shall in no way be limited or waived by reasons of the goods having previously been inspected, tested, and approved by the Procuring Agency or its representative prior to the goods shipment from the manufacturing point.
- c) Bidder shall provide the training to the designated staff of the SMBB Institute of Trauma for the smooth operation of the equipment / instruments. Training plan should be attached with the offer



**8. DELIVERY AND DOCUMENTS:** The Bidder shall in accordance with the terms specified in the Schedule of Requirements make delivery of the goods. Details of documents to be furnished by the Bidder are specified in SCC.

**9. INSURANCE:** The goods supplied under the Contract shall be delivered to the Procuring Agency after the payment of all taxes and customs duty, cess, octroi charges etc. Risk will be transferred to the Procuring Agency only after the delivery of these goods has been made to the Procuring Agency. Hence, payment of insurance premium, if any, shall be the responsibility of the Bidder.

**10. TRANSPORTATION:**

- a) The Bidder shall arrange such transportation of the goods as is required to prevent them from damage or deterioration during transit to their final destination as indicated in the Schedule of Requirements.
- b) The goods shall be supplied on “D.D.P” / “CFR / CNF/ C&F / CPT” Basis at SMBB Institute of Trauma Store Department Karachi as per Schedule of Requirements on the risk and cost of the Bidder. Transportation including loading / unloading of goods shall be the responsibility of Bidder.

**11. INCIDENTAL SERVICES:** The Bidder will be required to provide to the Procuring Agency incidental services the cost of which should be included in the total bid price.

**12. WARRANTY / GUARANTEE:**

- a) The term period of warranty / guarantee (mentioned in items specification individually) from the date on which the Stores have been put into operation and demonstrated to the Institute staff. In any case this period shall not exceed six months beyond the warranty expiration period from the date of taking-over of goods.
- b) During the period of warranty / guarantee, the Contractor shall remedy, at his / her expense, all defects in design, materials, and workmanship that may develop or are revealed under normal use of the goods upon receiving written notice from the Institute; the notice shall indicate in what respect the goods are faulty.
- c) The provisions of this Clause include all the expenses that the Contractor may have to incur for delivery and installation of such replacement parts, material and equipment as

are needed for satisfactory operation of the goods at the SMBB Institute of Trauma premises

- d) The contactor shall provide warranty / guarantee for supply of Machinery / Equipment etc. for at least 05 years (where applicable).
- e) The bidder shall separately quote the price of service contract inclusive of parts as well as excluding the parts for 5 years (post warranty / guarantee period) in term of %age for total contract value.
- f) In case of consumable items, kits, chemicals, films etc. the contractor shall remain responsible for specificity, efficacy & sensitivity with maximum period of expiry as much allowed by manufacturer.
- g) The Procuring Agency shall promptly notify the Bidder in writing of any claims arising out of this warranty.

**13. PAYMENT:** The method and conditions of payment to be made to the Bidder under the Contract are specified in **Salient Feature point # 14(i)**.

**14. ASSIGNMENT:** The Bidder shall not assign, in whole or in part, its obligations to perform to another party under this Contract, except with the Procuring Agency's prior written consent.

**15. DELAYS IN THE BIDDER'S PERFORMANCE:** Delivery of the goods shall be made by the Bidder in accordance with the time schedule prescribed by the Procuring Agency in the Schedule of Requirements

- a) If at any time in the course of performance of the Contract, the Bidder encounters anything impeding timely delivery of the goods, he shall promptly notify the Procuring Agency in writing of the causes of delay and its likely duration. As soon as practicable, after receipt of the Bidder's notice, the Procuring Agency shall evaluate the situation and may, depending on merits of the situation, extend the Bidder's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the Parties by a supplementary Contract to be treated as an addendum to the original contract.
- b) Any undue delay by the Bidder in the performance of its delivery obligations shall render it liable to the imposition of liquidated damages.

**16. PENALTIES / LIQUIDATED DAMAGES:** In case deliveries are not completed within the time frame specified in the schedule of requirements / contract, a Show Cause Notice will be

served on the Bidder which will be following by cancellation of the Contract to the extent of non-delivered portion of installments. No supplies will be accepted and the amount of Performance Guarantee / Security to the extent of non-delivered portion of supplies of relevant installments will be forfeited. If the firm fails to supply the whole installments, the entire amount of Performance Guarantee/Security will be forfeited to the Government Account and the firm will be blacklisted at least for two years for future participation in bids: The liquidated damage shall be 0.5 % per week or part thereof. The maximum amount of liquidated damages shall be 10% of the amount of contract. Once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the contract, the Procuring Agency shall rescind the contract, without prejudice to other courses of action and remedies open to it.

**17. TERMINATION FOR DEFAULT:** The Procuring Agency may, without prejudice to any other remedy for breach of Contract, by a written notice of default sent to the Bidder, terminate this Contract in whole or in part if:

- a) the Bidder fails to deliver any or all installments of the goods within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring Agency;
- b) the Bidder fails to perform any other obligation(s) under the Contract to the satisfaction of the Procuring Agency; and
- c) The Bidder, in the judgment of the Procuring Agency, has engaged itself in corrupt or fraudulent practices before or after executing the Contract.

**18. FORCE MAJEURE:** The Bidder shall not be liable for forfeiture of its Performance Guaranty/ Bid Security, or termination / blacklisting for default if and to the extent that this delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. For the purposes of this Clause Force Majeure means an act of God or an event beyond the control of the Bidder and not involving the Bidder's fault or negligence directly or indirectly purporting to mal-planning, mismanagement and /or lack of foresight to handle the situation. Such events may include but are not restricted to acts of the Procuring Agency in its sovereign capacity, wars or revolutions, fires, floods, earthquakes, strikes, epidemics, quarantine restrictions and freight embargoes. If a Force Majeure situation arises, the Bidder shall promptly notify the Procuring Agency in writing with sufficient and valid evidence of such condition and the cause thereof. The Committee, constituted for redressing grievances, will examine the pros and cons of the case and all

reasonable alternative means for completion of purchase order under the Contract and will submit its recommendations to the competent authority. However, unless otherwise directed by the Procuring Agency in writing, the Bidder shall continue to perform its obligations under the Contract as far as is reasonably practical and shall seek reasonable' alternative means for performance not prevented by the Force Majeure event.

**19. TERMINATION FOR INSOLVENCY:** The Procuring Agency may at any time terminate the Contract by giving written notice of one month time to the Bidder if the Bidder becomes bankrupt or otherwise insolvent. In that event, termination will be without compensation to the Bidder, provided that such termination will not prejudice or affect any right or remedy which has accrued or will accrue thereafter to the Parties.

**20. ARBITRATION AND RESOLUTION OF DISPUTES:**

- a) The Procuring Agency and the Bidder shall make every effort to resolve amicably by direct informal negotiations any disagreement or dispute arising between them under or in connection with the Contract.
- b) If, after thirty (30) days from the commencement of such informal negotiations, the Procuring Agency and the Bidder have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred to the Arbitrator for resolution through arbitration.
- c) In case of any dispute concerning the interpretation and/or application of this Contract is to be settled through arbitration, the arbitrator to be appointed with the approval of the University's Syndicate. The decisions taken and/or award given by the sole arbitrator shall be final and binding on the Parties.

**21. PACKING:**

- a) The Bidder shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

- b) The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the Procuring Agency.

**22. GOVERNING LANGUAGE:** The Contract shall be written in English language. All correspondence and other documents pertaining to the Contract, which are exchanged by the Parties, shall be written in English.

**23. APPLICABLE LAW:** This Contract shall be governed by the laws of Pakistan and the courts of Karachi - Pakistan shall have exclusive jurisdiction.

**24.** Bidder offering radiology equipment failing under compliance with Pakistan Nuclear Regulatory Authority (**PNRA**) should be registered with the authority to install and commission. All expense / fees for **PNRA** for clearance of X-ray based equipment shall be borne by the supplier (where applicable).

**(ANNEX-A)**

**TECHNICAL EVALUATION CRITERIA (MANDATORY)**

**(Bidders are required to submit following documents in mentioned sequence)**

S.#	List of Documents	Yes	No
1.	Compliance of Terms & Conditions, Instructions mentioned in the SBD. (Must submit the entire STANDARD BIDDING DOCUMENTS, duly signed & stamped on each page with Technical Proposal)		
2.	Registration with Income Tax – NTN Certificate (Attach Copy of Valid Certificate)		
3.	Relevant Experience with documentary proof (Last Three Years) (Attached Purchase order / Satisfactory Performance Certificate / Award of Contract).		
4.	Copy of Professional Tax 2020-21 (Attach Copy of Valid Certificate)		
5.	Copy of Registration Certificate of General Sales Tax. (Attach Copy of Valid Certificate).		
6.	Bank Certificate / Bank Statement regarding financial soundness of the firm to do business up till PKR 30 Million or more (Last three years).		
7.	Submission of undertaking on legal valid and attested stamp paper that the firm is not blacklisted and litigated by any institute of Federal, Provincial Government or any Department / Agency / Organization / Autonomous body or Private Sector Organization anywhere in Pakistan.(Undertaking should be as attached sample as per Table of Content Point # 16)		
8.	Bidder already providing services at <b>SMBBIT</b> should obtain & attach a satisfactory performance certificate from competent authority of <b>SMBB Institute of Trauma</b> (for the financial year in which the bidder last provided its services).		
9.	Authority letter from Manufacturer (where applicable).		
10.	Copy of Pay order / Bank Draft of Bid security should be attached along with bidding document in Technical Proposal without showing the amount.		
11.	Brochure / Technical Data Sheet should be duly flagged and marked with pagination		

**Note:**

- The offer will not be entertained if above mentioned documents / information's are not found.
- 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.
- Only items approved by the Consultant(s) in the relevant specialty will be considered by the Procurement Committee.

(ANNEX-B)

**TECHNICAL EVALUATION CRITERIA (MARKING)**

Quality and the following evaluation factors/ criteria will be employed on technical proposals. The number of points allocated to each factor shall be specified in the Evaluation Report. **Only bids securing minimum of 85% marks would be considered for further process.**

**Max Marks = 30 Part A: Static Marking**

S.#	Details	Maximum Marks
1.	<b><u>Establishment of Firm since</u></b> a. More than five years = 10 b. 3 to 5 years = 05 c. Below 3 Years = 00	10
2.	<b>Major Institution Served during last 3-year (Government/ non-government) with satisfaction certificates.</b> a. More than 5 institutions –10 marks b. 3 to 5 institutions – 05 marks c. Below 3 Institution – 00 marks	10
3.	<b>Bonus Point</b> Free of Cost Extended Warranty (in accordance with the standard warranty period) at least for one year including parts & services & Labor. (Bidder offering greater extended warranty period will get the full marks).	10

**Part B: Dynamic with Each Item quoted = 70 Marks**

1.	<ul style="list-style-type: none"><li>• 100% meet with Specification &amp; Requirements.....70 marks</li><li>• Compliant with minor deviation (up to 10% subject to main function is not effected) .....60 marks</li><li>• Less than 90% meet with specification &amp; Requirements.....0 marks</li></ul> <b>Remarks:</b> 1) Specification & Requirements would be evaluated on item to item basis and would be marked & declare qualified accordingly.	70
<b>TOTAL MARKS</b>		100

**PROCUREMENT OF PLANT & MACHINERY**  
**(SUPPLY, INSTALLATION, TESTING &**  
**COMMISSIONING OF PLANT & MACHINERY)**  
**SCHEDULE OF REQUIREMENT**

**A. Goods supplied on (DDP Basis)**

The entire quantity of the ordered goods shall be delivered within **08 Weeks** or earlier from the date of issuance of supply order / contract award.

- i. The delivery period shall start from the date of Award of Contract / Contract Agreement.

**B. Goods supplied on C&F /CFR / CNF / CPT Basis):**

The shipment of the items of Stores which are to be imported shall be started as early as possible (**preferable within 08 Weeks**); the shipment schedule shall be submitted along with the offer, and shall be negotiable and subject to approval by the Chief Operating Officer of the Institute.

- i. The bidder must indicate in his offer the port **from where** the Stores will be **shipped**.
- ii. The shipment period shall start from the date of opening of irrevocable letter of credit. The bidder shall provide the valid Performa Invoice and Insurance Cover Note within 7 calendar days from the signing of contract agreement.



**SPECIAL NOTE**

1. Offered product's specifications sheet on company's letter head must be attached.
2. Item-wise / Feature-wise product compliance / deviation statement must be attached.
3. Confirm delivery period must be specified.
4. 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 produced.
5. Product specifications are only for widest possible competition and not to favor any single contractor or supplier nor put others at a disadvantage. However, the brand name, catalogue # / Name etc., if any, have only been used for the reference purpose. Equipment offered "**AT LEAST EQUIVALENT OR HAVING BETTER SPECIFICATIONS**" shall also be considered.
6. Equipment must be quoted with all the standard accessories, required for the operation of the equipment.
7. Quoted equipment should be of latest Model.
8. UPS / Power protection for the equipment shall be incorporated in the systems; otherwise prices must be quoted separately.
9. All the civil works and allied services will be carried-out by the bidder with the consultation of the Procuring Agency (if required).
10. All site specific work to be required in the system viz. Lead Glass / special antistatic flooring, environment control / radiation protection must be included bidder quote (where applicable).
11. The bidder shall separately quote the price of service contract inclusive of parts as well as excluding the parts for 5 years (post warranty / guarantee period) in term of %age for total contract value.

**PROCUREMENT OF PLANT & MACHINERY**  
**(SUPPLY, INSTALLATION, TESTING &**  
**COMMISSIONING OF PLANT & MACHINERY) &**  
**PRICE SCHEDULE FOR S.M.B.B INSTITUTE TRAUMA,**  
**KARACHI DURING THE FINANCIAL YEAR 2020-21**

S.#	SPECIFICATIONS	REQ. QTY.	UNIT	QUOTED YES / NO
01	<p><b><u>Syringe Pump</u></b></p> <ol style="list-style-type: none"><li>1. Automatic identify different size (5/10/20/30/50/60ml).</li><li>2. Should have 3 infusion mode or more</li><li>3. Display should be more than 3 inch.</li><li>4. Light Design, with battery backup</li><li>5. Rate Range: 0.1-1500ml/h or more, with 0.01ml/h increment</li><li>6. Total volume display 0.1-9999.9ml</li><li>7. Mechanical accuracy <math>\pm 1\%</math>, accuracy including syringe <math>\pm 2\%</math>.</li><li>8. Selectable bolus modes (Manual and automatic)</li><li>9. KVO Rate: 0.1ml/h to 5ml/h adjustable</li><li>10. Should be able to change infusion rate during infusion without stopping</li><li>11. Occlusion level: 03 or more levels, alarm with audio/visual reminder.</li><li>12. Calibration function, self-definition for all syringes compliant to the standard</li><li>13. All kinds of alarms: Nearly empty; Infusion complete; Occlusion; No battery; Low battery; No AC power; No DC power; Plunger/clutch disengaged Syringe disengaged; Reminder; Self-test error, invalid rate, and the limited volume less than or equal to total volume</li><li>14. Special function;<ol style="list-style-type: none"><li>a) Repeat alarming: If there is still alarm after mute alarm sound, it will alarm again in 2 minutes</li><li>b) Record of 3000 entries or more can be stored and reviewed</li><li>c) Alarm volume setting: Visual and voice available</li></ol></li></ol>	80	Units	

S.#	SPECIFICATIONS	REQ. QTY.	UNIT	QUOTED YES / NO
01	<p>d) Power supply switching: When AC/DC power supply is cut off, the infusion automatically switch to internal battery supply</p> <p>e) Screen Lock function in touch screen option</p> <p><b>15. Power Requirement:</b>  Line voltages: 100-240VAC  Line Frequency: 50/60 Hz</p> <p><b>16. Battery backup 6 hours or more.</b></p> <p><b>17. Power Unit Waterproof design to prevent the liquid drop, IPX24 or better</b></p> <p><b>18. Interface port for data output and nurse call</b></p> <p><b>19. Should have certification to use in harsh condition like ambulances and medical transportation vehicle</b></p> <p><b>Requirement:</b></p> <p><b>Certification:</b></p> <ol style="list-style-type: none"> <li>1. System should have Certification <b>CE (MDD) / JIS or JQAO.</b></li> </ol> <p><b>Warranty and Maintenance Period:</b></p> <ol style="list-style-type: none"> <li>1. Warranty Period required 3 years with maintenance and parts replacement. All the parts are included in the warranty.</li> <li>2. PPM must be done according to the OEM criteria in warranty period.</li> <li>3. Service support and parts availability upcoming next ten years after installation of quoted model must be ensure via a separate letter by O.E.M.</li> <li>4. Required surety of service support and parts from the manufacturer, in case of transfer agency / distributor via a undertaking by O.E.M.</li> <li>5. Up-time guarantee during warranty period must be 90 -95%.</li> <li>6. Response to breakdown during and after warranty period must be 1-3 Hours.</li> </ol> <p><b>Trainings &amp; Manual:</b></p> <ol style="list-style-type: none"> <li>1. Operating and service manual with troubleshooting and circuit diagram must be provided with technical proposal.</li> <li>2. In house operator training session for end user.</li> </ol> <p><b>Country of Origin: USA / Europe / JAPAN or equivalent / other than USA, Europe or Japan will be accepted if equivalent has FDA (510k), CE (MDD) / JIS / JQAO (Any Two Certificates).</b></p>			

S.#	SPECIFICATIONS	REQ. QTY.	UNIT	QUOTED YES / NO
02	<p><b><u>Anesthesia Machine with Ventilator</u></b>  <b>Technical Specification</b></p> <ol style="list-style-type: none"> <li>1) Gas Supply: Pipeline input pressure: 3 to 8 bar supply required; Connections: for O2, N2O, Air and Vacuum.</li> <li>2) Non-interchangeable gas supply pipeline inlets.</li> <li>3) Pin index cylinder yokes for O2 and N2O one each or more.</li> <li>4) Stainless steel/fiber work surface.</li> <li>5) Central Gas / Electronically driven unit.</li> <li>6) Continual fresh gas flow with fresh gas flow compensation during mechanical ventilation.</li> <li>7) Should be low flow</li> <li>8) Auxiliary O2 Outlet one or more.</li> <li>9) Two lockable castor</li> <li>10) Absorber bag support arm</li> <li>11) Oxygen flush 30 l/min</li> <li>12) Should have built in suction operating on vacuum</li> <li>13) Should have built in Active scavenging system</li> <li>14) Manometer gauges (Manual or Digital) <ul style="list-style-type: none"> <li>• Pipeline : O2, N2O &amp; Air</li> <li>• Cylinder NIST: O2, N2O</li> <li>• Pin indexed : O2 , N2O</li> </ul> </li> <li>15) Rotameter (hypoxic guard system) <ul style="list-style-type: none"> <li>• O2 tube (Double tube)</li> <li>• N2O tube</li> <li>• Air</li> </ul> </li> <li>16) Common gas outlet option should be present.</li> <li>17) Front outlet 22mm OD – 15mm ID</li> <li>18) Built in Oxygen monitoring system.</li> <li>19) Built in autoclavable flow sensor compatible with all</li> </ol>	04	Units	

<p>type of patient.</p> <p>20) Should have Capnograph module for EtCO<sub>2</sub> measurement.</p> <p>21) Should have ability to add module or other optional features like Agent monitoring.</p> <p>22) Selectatec system two or more station vaporizer mounting</p> <ul style="list-style-type: none"> <li>• Vaporizer should be flow and temperature compensated</li> </ul> <p>23) Minimum 1.5 liters CO<sub>2</sub> absorber volume</p> <ul style="list-style-type: none"> <li>• Absorbent canister should be Autoclavable</li> </ul> <p>24) Breathing assembly/system should be completely Autoclavable</p> <p>25) Two or more drawer units.</p> <p>26) Anesthesia ventilator with minimum 15” or more color Touch LCD/TFT screen and should be capable of ventilating adult, pediatric and neonate patient.</p> <p>27) Ventilation modes: MAN, SPONT, VCV, PCV, PSV</p> <p>28) Should be equipped with anti-barotrauma and anti-volutrauma system</p> <p>29) Tidal volume from 5 ml to 1500 ml or better</p> <p>30) Ventilation frequency starting from 4 bpm up to 80 bpm or better</p> <p>31) Inspiratory to expiratory time starting from 1:1 till 4:1</p> <p>32) PEEP 4 cmH<sub>2</sub>O to (20 cmH<sub>2</sub>O or more)</p> <p>33) Oxygen failure safety system</p> <p>34) Measured parameters should include: Expired tidal volume, frequency, minute volume, PIP, plateau pressure, PEEP, mean pressure, airway pressure</p> <p>35) Power Requirement:</p> <table style="margin-left: 20px;"> <tr> <td>Line Voltages</td> <td>100-240 VAC</td> </tr> <tr> <td>Line Frequency</td> <td>50/60Hz</td> </tr> </table> <p>36) Battery backup: 60 minutes or more</p> <p>37) Audible and visual alarms: Low air/ N<sub>2</sub>O/ O<sub>2</sub> input pressure, apnea alarm, O<sub>2</sub> alarms, upper/ lower limit alarms and leak or patient disconnection</p> <p>38) Silent indicator, time and date and mains and battery indicator</p> <p><b><u>Should Be Supplied with:</u></b></p> <ol style="list-style-type: none"> <li>1. 1*Rebreathing patient circuit</li> <li>2. 1*Reusable bag 2L</li> <li>3. 1*Power cord</li> <li>4. 1*Vaporizers (Isoflurane)</li> </ol>	Line Voltages	100-240 VAC	Line Frequency	50/60Hz			
Line Voltages	100-240 VAC						
Line Frequency	50/60Hz						

**Requirement:**

**Certification:**

- System should have Certification **FDA / CE / ISO / TUV / MDD MARKED**

**Warranty and Maintenance Period:**

- Warranty Period required Three years with maintenance and parts replacement. All the parts are included in the warranty i.e. O2 sensor, battery & etc.
- Five years warranty of internal flow sensor.
- PPM must be done according to the OEM criteria in warranty period
- Up-time guarantee during warranty period must be 90 -95%

**After Sales Service Support:**

- Free of cost software installation and upgradation would be responsibility of manufacturer and its authorized distributor for upcoming next ten years after installation of quoted model.
- Service support and parts availability upcoming next ten years after installation of quoted model must be ensure via a separate letter by OEM.
- Required surety of service support and parts from the manufacturer, in case of transfer agency/ distributor
- Response to breakdown during and after warranty period must be 1-3 Hours

**Trainings & Manual:**

- Operating and service manual with troubleshooting and circuit diagram
- In house operator training session for end user
- In house service training session by Principal Certified resource
- Trained service engineers with certification from the principal, Karachi based mandatory.

**Demonstration:**

- Quoted model demonstration is mandatory in technical approval is subject to satisfactory demonstration.

**Country of Origin: USA / Europe / JAPAN or equivalent / other than USA, Europe or Japan will be accepted if equivalent has FDA (510k), CE (MDD) / JIS / JQAO (Any Two Certificates).**

<p>03</p>	<p><b>Portable Suction Machine</b></p> <p><b>Specification</b></p> <ul style="list-style-type: none"> <li>• Should have ability to be used in the emergency dept., intensive care, operating theatre.</li> <li>• The pump should have accurate vacuum setting with the membrane vacuum regulator</li> <li>• Should have piston/cylinder system for a vibration free and noiseless operation.</li> <li>• The vacuum range should start from -95 kPa / 713 mmHg or better.</li> <li>• The flow rate should be adjustable from 40 to 60 liter/min.</li> <li>• Two reusable suction jars of 5 liters</li> <li>• Mobile Trolley Original with two lockable castor</li> <li>• Power Requirement:  Line Voltages                    100-240 VAC  Line Frequency                 50/60Hz</li> <li>• Foot switch ON/OFF</li> </ul> <p><b>Requirement:</b></p> <p><b>Certification:</b></p> <ul style="list-style-type: none"> <li>• System should have Certification <b>FDA, CE (MDD) / JIS / JQAO.</b></li> </ul> <p><b>Warranty and Maintenance Period:</b></p> <ul style="list-style-type: none"> <li>• Warranty Period required Three year with maintenance and parts replacement. All the parts are included in the warranty.</li> <li>• PPM must be done according to the OEM criteria in warranty period.</li> <li>• Up-time guarantee during warranty period must be 90 -95%</li> </ul> <p><b>After Sales Service Support:</b></p> <ul style="list-style-type: none"> <li>• Service support and parts availability upcoming next ten years after installation of quoted model must be ensure via a separate letter by OEM.</li> <li>• Required surety of service support and parts from the manufacturer, in case of transfer agency/ distributor</li> <li>• Response to breakdown during and after warranty period must be 1-3 Hours</li> </ul> <p><b>Trainings &amp; Manual:</b></p> <ul style="list-style-type: none"> <li>• Operating and service manual with troubleshooting and circuit diagram</li> <li>• In house operator training session for end user</li> </ul> <p><b>Country of Origin: USA / Europe / JAPAN or equivalent / other than USA, Europe or Japan will be accepted if equivalent has FDA (510k), CE (MDD) / JIS / JQAO (Any Two Certificates).</b></p>	<p>03</p>	<p><b>Units</b></p>	
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<b>04</b>	<b>C-ARM WITH FPD (Flat Panel Detector)</b>		<b>01</b>	<b>Unit.</b>
	<b>INPUT</b>			
	Phase	Single		
	Line Frequency	50/60 kHz		
	Line Voltages	100-240 VAC		
	<b>X-RAY GENERATOR</b>			
	Power	12 KW or more		
	Frequency	HF inverter 40 kHz or better		
	KV	40kV to 120kV or better		
	Maximum mA pulsed fluoroscopy	40mA or more		
	Maximum mA continuous fluoroscopy	20mA or more		
	Maximum frame rate	25 fps or more		
	<b>X-RAY TUBE</b>			
	Dual Focal Spot	0.3 mm & 0.6 mm		
	Anode heat storage capacity	200 KHU or more with tube heat level indicator		
	<b>DETECTOR</b>			
	Detector Type	CMOS		
	Detector Size	20cm x 20cm or better		
	Pixel Pitch	100um or better		
	Matrix	1.5k * 1.5k or better		
	Detector Quantum Efficiency (DOE)	70% or more		
	A/D Conversion	14 bits or higher		
	<b>C-ARM WITH MECHANICAL BRAKES</b>			
	SID	100cm or more		
	Free Space	75cm or more		
	Orbital Rotation	150° or more		
	Lateral Rotation	200° or more		
	Arc Depth	70cm or more		
	<b>IMAGE ACQUISITION SYSTEM</b>			
	Automatic exposure termination & automatic brightness control			
	Anatomy enhancement feature			
	Motion artifact reduction feature			
Dedicated Metal artifact reduction feature				
Zoom in and out feature on live acquisition				
Last image hold function				
Negative mode feature				



360° digital image rotation for easy adjustment				
Built in image storage				
Dual USB Port				
2K display output port for image display in doctor's room				
Laser aimer Feature	With activation button			
Double peddle foot switch				
Hand switch for exposure				
Double peddle foot switch				
Hand switch for exposure				
<b>DICOM Features:</b>	<ul style="list-style-type: none"> <li>• Modality work list</li> <li>• Storage</li> <li>• Query/Retrieve</li> <li>• Import/Export (DVD &amp; USB)</li> <li>• Print</li> <li>• Work list MPPS</li> <li>• Storage Commitment</li> <li>• Radiation dose SR</li> </ul>			
<b>IMAGE DISPLAY TECHNOLOGY</b>				
Display with articulating arm	19' dual monitor/ 32" or more single monitor			
Display with original Trolley				
Resolution	1920 x 1080 (Full HD resolution) or better			
User Interface	Keyboard and mouse facility or Touchscreen compatible			
<b>OPERATOR CONTROL PANEL</b>				
Operator Control Panel Resolution	1280 x 720 (HD) or better			
Size	10" or larger display			
Touchscreen Compatibility				
<b>APPLICATIONS</b>				
Automatic Image Save				
Noise Reduction				
Edge Enhancement				
Low dose image Processing				

DSA	Cine image Acquisition Land-marking Tracing Roadmap			
<p><b>Requirements:</b></p> <p><b>Certification:</b></p> <ul style="list-style-type: none"> <li>• System should have Certification CE and US FDA both.</li> </ul> <p><b>Warranty and Maintenance Period:</b></p> <ul style="list-style-type: none"> <li>• Warranty period required two years with maintenance and parts replacement. All the parts are included in the warranty i.e. detector, software etc. and 5 years warranty of X-ray tube.</li> <li>• PPM must be done according to the OEM criteria in warranty period.</li> <li>• Up-time guarantee during warranty period must be 90-95%</li> </ul> <p><b>After Sales Service Support:</b></p> <ul style="list-style-type: none"> <li>• Free of cost software installation and up gradation of purchase application and software plat form would be responsibility of manufacturer and its authorized distributor for upcoming next ten years after installation of quoted model.</li> <li>• Service support and parts availability upcoming next ten years after installation of quoted model must be ensure via a separate letter by OEM.</li> <li>• Required surety of service support and parts from the manufacturer, in case of transfer agency/ distributor.</li> <li>• Response to breakdown during and after warranty period must be 1-3 Hours</li> </ul> <p><b>Trainings &amp; Manual:</b></p> <ul style="list-style-type: none"> <li>• Operating and service manual with troubleshooting and circuit diagram</li> <li>• In house operator training session for end user</li> <li>• In house service training session by Principal Certified resource</li> <li>• Trained Service Engineers with certification from the principle, Karachi based mandatory.</li> </ul> <p><b>Country of Origin: USA / Europe / JAPAN or equivalent / other than USA, Europe or Japan will be accepted if equivalent has FDA (510k), CE (MDD) / JIS / JQAO (Any Two Certificates).</b></p>				

S.#	SPECIFICATIONS	REQ. QTY.	UNIT	QUOTED YES / NO									
05	<b>ECG Machine</b>	05	Pcs.										
	Instruments Type:				Multi lead electrocardiography								
	Input Channels:				12 Channel, Simultaneous								
					Acquisition of all 12 leads								
	Standard Leads Acquired:				I, II, III aVR, aVL, aVF, V1,								
					V2, V3, V4, V5, V6								
	Waveform Display:				Backlit 10" or more color								
					display								
	<table border="1" data-bbox="147 588 925 850"> <tr> <td data-bbox="147 588 535 630">Input Impedance</td> <td data-bbox="535 588 925 630" rowspan="4">Meet or exceed the requirements of ANSI/AAMI/ EC11</td> </tr> <tr> <td data-bbox="147 630 535 672">Input Dynamic Range</td> </tr> <tr> <td data-bbox="147 672 535 714">Electrode Offset Tolerance</td> </tr> <tr> <td data-bbox="147 714 535 756">Common Mode Rejection</td> </tr> <tr> <td data-bbox="147 756 535 798">Patient Leakage Current</td> <td data-bbox="535 756 925 798" rowspan="2">Meet or exceed the requirements of ANSI/AAMI ES1</td> </tr> <tr> <td data-bbox="147 798 535 850">Chassis Leakage Current</td> </tr> </table>				Input Impedance	Meet or exceed the requirements of ANSI/AAMI/ EC11	Input Dynamic Range	Electrode Offset Tolerance	Common Mode Rejection	Patient Leakage Current	Meet or exceed the requirements of ANSI/AAMI ES1	Chassis Leakage Current	
	Input Impedance				Meet or exceed the requirements of ANSI/AAMI/ EC11								
	Input Dynamic Range												
	Electrode Offset Tolerance												
	Common Mode Rejection												
	Patient Leakage Current				Meet or exceed the requirements of ANSI/AAMI ES1								
	Chassis Leakage Current												
Digital Sampling Rate:	30,000 or better samples												
	/second/Channel used for												
	Pacemaker spike detection;												
	1,000 or better samples												
	/second/Channel used for												
	recording and analysis												
Printer Technologies:	Thermal Printer;												
Thermal Printer Speed:	5, 10, 25 or 50 mm/s												
Gain Setting	5, 10 or 20mm /mV or Better												
Report Print Formats	Standard or Cabrera: 3+1, 3+3,												
	6, 6+6, & 12 Channel												
Frequency Response	0.05 to 300 Hz or Better												
Filters	High-Performance baseline												
	filter; AC interference filter												
	50/60 Hz; Low-Pass filters												
	40Hz, 150 Hz, or 300 Hz												
A/D Conversion	20 bits or better												
Keyboard Type	Full alphanumeric keyboard												
Heart Rate Range	30 to 300 bpm or better												
Sensitivity /Gain`	1.25, 2.5, 5, 10,20,10/5												
	mm/mV												
Device Classification	Class I, Type CF												
	defibrillation-proof applied												
	parts												



S.#	SPECIFICATIONS	REQ. QTY.	UNIT	QUOTED YES / NO
06	<p><b>Body Warmer</b></p> <p>The System should be very soft, strong and convenient. The diffusing surface must ensures optimum performance and increased heating capacity. It should also enable the use of low pressure, preventing the blanket from floating and allowing it to drape perfectly.</p> <p><b>Technical Specification:</b></p> <p>The warming unit should be very powerful, silent and provides a constant temperature to patient within only 60 seconds. The default start up temperature should be 38 °C.</p> <p>The unit should have the over-temperature alarm with additional standard built-in safety factor, the under-temperature alarm, guaranteeing that the temperature which has been set is delivered to the patient. Air Hose should also be available separately.</p> <p>Hose length should be 1.8 m</p> <p>Set temperature should be 32 °C, 38 °C, 43 °C or Ambient Air</p> <p>Should have pole with basket, anti-static, latex free, with 2 lockable castors.</p> <p>Power Requirement:</p> <p>Line Voltages                      100-240 VAC</p> <p>Line Frequency                      50/60Hz</p> <p><b>Blankets:</b></p> <ul style="list-style-type: none"> <li>• System should have a range of blankets for different applications and could be used for pre-, per-, and post-operative warming.</li> <li>• <b>Reflective Blanket:</b> The system should have a range of reflective blankets, equipped with a reflective top layer, increasing heating capacity and reflecting patient’s radiant body heat, preserving body temperature.</li> </ul> <p><b>Should be supplied with:</b></p> <ol style="list-style-type: none"> <li>1. AC power Cable</li> <li>2. Operation Guide</li> <li>3. 5 Adult Blankets</li> <li>4. Original Trolley</li> </ol> <p><b>Requirement:</b></p> <p><b>Certification:</b></p> <ul style="list-style-type: none"> <li>• System should have Certification <b>FDA, CE (MDD) Both.</b></li> </ul> <p><b>Warranty and Maintenance Period:</b></p> <ul style="list-style-type: none"> <li>• Warranty Period required Three year with</li> </ul>	06	Pcs.	

<p>maintenance and parts replacement. All the parts are included in the warranty</p> <ul style="list-style-type: none"> <li>• Up-time guarantee during warranty period must be 90 -95%</li> </ul> <p><b>After Sales Service Support:</b></p> <ul style="list-style-type: none"> <li>• Service support and parts availability upcoming next ten years after installation of quoted model must be ensure via a separate letter by OEM.</li> <li>• Required surety of service support and parts from the manufacturer, in case of transfer agency/ distributor</li> <li>• Response to breakdown during and after warranty period must be 1-3 Hours</li> </ul> <p><b>Trainings &amp; Manual:</b></p> <ul style="list-style-type: none"> <li>• Operating and service manual with troubleshooting and circuit diagram</li> <li>• In house operator training session for end user</li> </ul> <p><b>Country of Origin: USA / Europe / JAPAN or equivalent / other than USA, Europe or Japan will be accepted if equivalent has FDA (510k), CE (MDD) / JIS / JQAO (Any Two Certificates).</b></p>			
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**Note:**

- Warranty period must be given with offer if the replacement of parts, equipment is out of order during the warranty period the same will be replace without charging any cost by the concerned firm.
- The required items will be purchased on best quality/approved sample basis (CE marked/ FDA approved certificate should be attached); for verification from concerned authority. Hence Contractor(s) / Supplier(s) are instructed to submit (at Planning & Procurement Department) samples of bidding items (which would be returned to disqualify bidders) a day prior to the opening of bids else the bid will be rejected.
- 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.

Signature of Manufacturers /Importers/Sole Agents/Contractors: - \_\_\_\_\_

Name of Medical Store: - \_\_\_\_\_

Full Address: - \_\_\_\_\_

Telephone No. Shop: - \_\_\_\_\_ Cell No:- \_\_\_\_\_

Email Address (if any) \_\_\_\_\_

# BID LETTER FORM

From:  
(Registered name and address of the bidder)

To:  
Chief Operating Officer,  
Shaheed Mohtarma Benazir Bhutto Institute of Trauma,  
Karachi – 74200

Dear Sir / Madam,

Having examined the bidding document and amendment thereon we 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 SMBBIT or its user organization.

## **If our bid is accepted, we undertake to;**

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

Place:  
Date:

Bidder's signature  
and seal.

# CONTRACT FORM

THIS AGREEMENT made the ..... Day of .....(year) Between the Procuring Agency (hereinafter “The SMBB INSTITUTE OF TRAUMA”) of one part and .....(Name of Vendor) of .....(City and country of Vendor) (Hereinafter “the Supplier”) of the other part:

WHEREAS the SMBB INSTITUTE OF TRAUMA 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) SMBB INSTITUTE OF TRAUMA notification of award.

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 SMBB INSTITUTE OF TRAUMA to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the SMBB INSTITUTE OF TRAUMA to (**Tender Title** ..... ) and to remedy defects therein conformity, in all respects, with the provisions of the contract.

The SMBB INSTITUTE OF TRAUMA 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)



# 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 of the said Principal we, the Guarantor above named, are held and firmly bound unto the Chief Operating Officer (COO), SMBBIT, Karachi (here in after 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 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 defences 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)

Signature:

2. \_\_\_\_\_  
(Name, Title, Signature & Seal)

\_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

# **AFFIDAVIT**

## **(on Judicial Stamp Paper)**

I/We, the undersigned [Name of the Supplier] hereby solemnly declare and undertake that:

1. I/We have read the contents of the Bidding Document and have fully understood it.
2. The Bid being submitted by the undersigned complies with the requirements enunciated in the bidding documents.
3. The Goods that we propose to supply under this contract are eligible goods within the meaning of this SBD.
4. The undersigned are also eligible Bidders within the meaning of the Standard Bidding Documents.
5. The undersigned are solvent and competent to undertake the subject contract under the Laws of Pakistan.
6. I/We have not paid nor have agreed to pay, any Commissions or Gratuities to any official or agent for SBBB Institute of Trauma related to this Bid or Award or Contract.
7. I/We are not blacklisted or facing debarment from any institute of Federal, Provincial Government or any Department /Agency/Organization/Autonomous body or Private Sector organization anywhere in Pakistan.
8. That undersigned has not employed any child labor in the organization/unit.
9. I/We understand that the Selection and Rate Contracting Committee of the Procuring Agency is not bound to accept the lowest or any other bid they may receive.

I/We affirm that the contents of this affidavit are correct to the best of our knowledge and belief.

Signatures with stamp

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

CNIC No. \_\_\_\_\_ **(Copy must be attached)**

For Messrs. [Name of Supplier]

# 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, SMBBIT Karachi (PA), 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.**

\_\_\_\_\_  
**Chief Operating Officer (C.O.O)**