

Tender Fee – Rs. 2,000/=

**STANDARD BIDDING DOCUMENTS**



**GOVERNMENT OF SINDH**

**SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE OF  
TRAUMA (SMBBIT).**

**Tender Reference # PROC/SMBBIT/ (BM-01)/2019-20**

**PROCUREMENT OF BIOMEDICAL WORKSHOP  
EQUIPMENT**

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# **INSTRUCTIONS TO BIDDERS**

1. **Shaheed Mohtarma Benazir Bhutto Institute of Trauma(SMBBIT)** invites sealed bids on **Single Stage Two Envelope Procedure 46(2)** as per Sindh Public Procurement Rules 2010, (Amended till date) from Manufacturers/Importers/Sole Agents/Distributors for **“Procurement of Biomedical Workshop Equipment” Tender Ref. # : PROC/SMBBIT/(BM-01)/2019-20.**
2. The tender shall be submitted with all documents in sealed envelopes. The envelope must contain tender inquiry Number on the top, the name of the Bidder should be affixed on the face of the envelope. The Bidder should prepare the Tender in form of **Technical** and **Financial** proposals separately. The envelope should be marked **Technical Proposal** and **Financial Proposal** in **BOLD** and legible letters to avoid confusion. Envelopes should be sealed and addressed to **Procurement Department Shaheed Mohtarma Benazir Bhutto Institute of Trauma, Karachi** and inserted in Tender box by hand or mail on the scheduled date and time, else tender will not be entertained and would be returned unopened to the bidders.
3. Bidders are required to check that Tender Documents issued to them are complete in all respects as per table of content.
4. Bidders should examine carefully the table of content. They should visit and inspect the site at their own expense, 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.
5. Tender Fee in shape of pay order in favor of **Shaheed Mohtarma Benazir Bhutto Institute of Trauma (SMBBIT)** must be attached; else the offer will be rejected.
6. Bidder will attach **BID SECURITY** (as per amount mentioned under Bidding Data) in shape of pay order issued from any scheduled Bank of Pakistan in favor of **Shaheed Mohtarma Benazir Bhutto Institute of Trauma (SMBBIT) in the financial proposal.**
7. 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.
8. The Bidder shall indicate on the appropriate Price Schedule (in PKR) the units (where applicable) and total bid price of the goods/services it proposes to supply/execute under the contract.
9. 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.
10. The Procuring Agency may reject all or any bid or proposal at any time prior to the acceptance of a bid or proposal. Subject to relevant provision of SPPRA Rules, 2010 (Amended till Date). The Procuring Agency upon request communicate to bidder who submitted a bid or proposal, the grounds for its rejection of all bids or proposal, but is not required to justify those grounds.
11. 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.

12. No unauthorized alteration may be made in the Tender documents. If any such alteration is made, tender may be liable for rejection.
13. 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.
14. The vendor has to quote only one rate for each work as per tender specifications. Hand written tenders or any over writing, cutting, should be signed.
15. 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.
16. Contractors who win the tender will be required to enter into a Contract Agreement as defined in the Form of Agreement.
17. 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.
18. 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.
19. Conditional tender and tender without bid security shall not be considered.
20. Bids shall remain valid for a period of 90 days after the date of bid opening and same may be extended in terms of Rule 38 (2) (3) (4) of SPPRA Rules.
21. Bids submitted late due to any reason whatsoever, shall not be considered and returned unopened to the bidder or his authorized representative.
22. Bid / offer will be evaluated as per criteria bid's terms & conditions.
23. **The quoted rates once offered by the firms will not be changed during the contract period.**
24. The quoted rates should be in Pak. Rupees and must be valid till 30<sup>th</sup> June 2020, Orders will be placed as per requirement after receiving demand from the concern department of Shaheed Benazir Bhutto Institute of Trauma.
25. All Bidders should provide **Samples/Brochures** free of cost of the each quoted products, attach Brochures / Flyers submitted along with bid document (if in case sample/ Broachers not found bid should be rejected).
26. The tendered rate should be inclusive of all applicable taxes to Federal & Provincial Govt. or local bodies and will be deducted from the bill of the contractors / suppliers.

- 27. All the (applicable) Government taxes (Income Tax / Sindh Sales Tax (if applicable) / 0.35% Stamp Duty of the value of the contract amount will be affixed on the bills or on the contract agreement of the full contract value by the Contractors / Suppliers.**
- 28. All documents should be submitted duly paginated / flagged and the detailed of the documents should also be mentioned in front of the Index, else Procurement Committee reserves the right to accept or reject bid.**
- 29. The bidders shall quote their firm and final price both in figure and in words on free delivery basis to Shaheed Mohtarma Benazir Bhutto Institute of Trauma, Karachi.**
- 30. Distributor once nominated by the manufacturer / importer will be for the whole contract period and manufacturer / importer cannot change its distributor during the contract period in any case.**
- 31. No manufacturer / importer shall authorize their distributor / agent / any firm or person to quote the same item, which the manufacturer is quoting itself in any tender. Failing those offers of both the manufacturer as well as other bidder shall be ignored.**

## **BIDDING DATA**

Procuring Agency	:	<b>SMBB Institute of Trauma</b>
Address	:	<b>Chand Bibi Road, Karachi</b>
Bid Validity till	:	90 Days (As per SPPRA Rule 2010 (amended date))
Amount of Bid Security	:	2% of total bid value
Last date of Selling of Bid	:	As per NIT
Date of Submission of Bid	:	As per NIT
Place for Submission	:	As per NIT
Date of Opening of Bid	:	As per NIT
Place of Opening	:	As per NIT
Performance Security	:	5% of the Contract Value
Language of Bid	:	English
Bid Price	:	PKR
Advance Payment	:	No Advance Payment will be allowed
Period of Completion	:	Financial Year 2019-20
Liquidity Damages upon	:	0.03% of the bid price per day after the period of Completion up to 10% maximum depends the damages done due to non-supply.
Inspection Authority	:	Nominated Inspection Committee
Inspection Place	:	Store of SMBB Institute of Trauma
Place of Delivery	:	Store of SMBB Institute of Trauma

## **TERMS & CONDITIONS OF TENDER**

- 1. Shaheed Mohtarma Benazir Bhutto Institute of Trauma (SMBBIT)** invites sealed bids on **Single Stage Two Envelope Procedure 46(2)** as per Sindh Public Procurement Rules 2010, (Amended till date) from Manufacturers / Importers / Sole Agents / Distributors for **“Procurement of Biomedical Workshop Equipment” Tender Ref. # : PROC/SMBBIT/(BM-01)/2019-20.**
- 2. PERFORMANCE SECURITY:** The successful bidders will have to deposit the requisite Performance Security Bond in the shape of a Pay Order / Demand Draft or Bank Guarantee as per amount mentioned under Bidding Data in favor of **Shaheed Mohtarma Benazir Bhutto Institute of Trauma (SMBBIT)**. The same will be released after successful completion of supply & contract period. Moreover, security deposit shall be forfeited by the Procuring Agency if contractor fails to comply with terms and condition of the contract at any stage during contract period.
- 3.** Bid should be inclusive of all Government taxes (if applicable) and the same will be paid by the Contractor except withholding tax.
- 4.** The firm will be responsible for supply of **“Procurement of Biomedical Workshop Equipment” Tender Ref. #: PROC/SMBBIT/(BM-01)/2019-20.** at consignee address. (**Shaheed Mohtarma Benazir Bhutto Institute of Trauma SMBBIT, Karachi**). If it fails the Security Deposit will be forfeited.
- 5.** Procurement Committee shall disqualify a contractor, whether pre-qualified or not, if it finds at any time, that the information submitted by bidder concerning his qualification and professional, technical, financial, legal, or managerial competence as contractor was false and materially inaccurate or incomplete at any stage.
- 6.** The Procuring agency reserves the right at the time of contract award to increase / decrease & delete, the items / quantities of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions.
- 7.** 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 bidder does not accept the correction of the errors, its bid will be rejected, and its bid security may be forfeited.
- 8.** 20% of the due Sindh Sales Tax (if applicable) will be deducted from the bill of the Contractors / Suppliers while remaining 80% will be deposited by the Contractors / Suppliers themselves.
- 9.** Prices quoted shall remain valid up to 30<sup>th</sup> June 2020.

10. No tender will be entertained without Bid Security which will be forfeited to Government Treasury, in case of non-submission of Performance security within seven (7) days of receipt of letter of Acceptance.
11. Quantities of tender items are on estimated basis and could vary according to the amount sanctioned, released and as per discretion of Procurement Committee.
12. All manufactured and other items should be used in accordance with the instructions, specifications in the Tender Document and also in accordance with generally accepted norms of good workmanship.
13. The Bidder shall sign and stamp the Integrity Pact provided at Bid in the Bidding Document for all Provincial Government procurement contracts. Failure to sign such Integrity Pact shall make the bidder non-responsive.
14. 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 of 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.
15. Supplies are required as early as possible. The bidder may, however, give their short guaranteed delivery period by which the supply will be completed positively.
16. **The Technical evaluation carried out by the Committee Shaheed Mohtarma Benazir Bhutto Institute of Trauma, Karachi will be final, which will be assessed on technical experience basis of the engineer in the relevant specialty.**
17. **PURCHASER'S RIGHT TO VARY QUANTITIES** The Shaheed Mohtarma Benazir Bhutto Institute of Trauma Authority reserves right to increase / decrease or delete the quantities., at the time of award of contract and also reserves the right to enhance the quantity of goods / services originally specified in the schedule of requirement without any change in unit price or other terms and conditions of goods at any time during defined period.
18. **PURCHASER'S RIGHT TO ACCEPT ANY BID AND REJECT ANY OR ALL BIDS:** The SMBBIT Authority reserves the right to purchase full or part of the store or ignore / scrap / cancel the tender as per relevant rules of SPPRA-2010 (Amended till date).
19. **SHELF LIFE REQUIRED:** No supply will be accepted having expiry date less than 70% of shelf life for the National manufacturer and 70% for imported items (wherever applicable).
20. **REDRESSAL:** Redressal of Grievances & settlement of dispute will be as per SPPRA Rule-2010 (Amended 2019).



**21. BID EVALUATION (T.E.R):** Bid evaluation will be considered on following grounds for approval of company as mentioned in appendix # A.

I / We agree to above mentioned terms & conditions:

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

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

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

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

**CRITERIA FOR EVALUATION OF BID****(Bidders are required to submit following documents in mentioned sequence)**

<b>Technical Evaluation Criteria (Mandatory)</b>			
<b>S.#</b>	<b>List of Documents</b>	<b>Yes</b>	<b>No</b>
1.	Compliance of Terms & Conditions / Instructions mentioned in the SBD. (Must submit the entire <b>STANDARD BIDDING DOCUMENTS</b> , duly signed & stamped on each page with Technical Proposal)		
2.	Relevant Experience with documentary proof (Last Three Years) Attach Supply/Purchase Order/Award of Contract		
3.	Registration with Income Tax – NTN (Attach Certificate)		
4.	Copy of Professional Tax 2019-20 (Attach Certificate)		
5.	a) General Sales Tax (Mandatory) b) Sindh Sales Tax (if applicable) / Sindh Board of Revenue (Registration is not required in procurement of Goods)		
6.	Recent Bank Certificate / Bank Statement regarding financial soundness of the firm to do business up till <b>PKR 3 Million or more.</b>		
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. <b>(Undertaking should be as per given sample as per Table of Content Point # 11).</b>		
8.	Bidder already providing same 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.	Copy of the Pay order / Bank Draft of Bid security / Earnest money should be attached without showing the amount along with technical bid document. <b>(Original bid security should be attached with financial proposal).</b>		

**NOTE:**

1. The offer will not be entertained if the required documents are not found attached.
2. Items will be procured on approved quality/ sample basis; hence bidders are required to submit sample/Brochures along with bidding documents. Brochures should also be attached where applicable (if in case samples/Brochures not found bid will be rejected). Samples return to those who were not technically qualified or meeting TEC.
3. The technical evaluation carried out by the Procurement Committee, SMBBIT, Karachi will be final, which will be assessed on technical aspect and technical experience basis of the engineer in the relevant specialty.
4. Specifications approved by the Consultant(s) in the relevant specialty will be considered by the Procurement Committee.
5. Quoted items must be CE Certified / FDA Approved / DRAP Registered where applicable. (Certificate should also be attached).
6. Authorization / Distributors Certificates from Manufacturer. (Where Applicable).
7. Preference will be given to those bidders who purchase the item directly from manufacturer (attached relevant documents).

## SCHEDULE OF REQUIREMENT & PRICE FOR SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE OF TRAUMA

### TENDER FOR THE PROCUREMENT OF BIOMEDICAL WORKSHOP EQUIPMENT DURING THE FINANCIAL YEAR 2019-20

S.No	Item	Specifications	Unit	Required Qty.	Unit Price	Total Price
01	Power Supply	<b>Specification of DC Power:</b> Supply Adjustable Dual Digital Display <b>Voltage and Current:</b> 60 Volts & 20 Amperes <b>Ripple:</b> Very Low <b>Monitoring:</b> Continuously Monitor Voltage & Current <b>Input Voltage:</b> 220V with Eu Standard	Nos.	01		
02	Oscilloscope	<b>Bandwidth &amp; GS a/s Sample Rate:</b> 25-100 MHz & 500M to 1GSa/s <b>Automatic measurements:</b> 32 or more automatic measurements <b>Math Functions:</b> FFT Plus <b>Screen:</b> Large Display (easy to use) <b>Input Voltage:</b> 220V with EU Standard	Nos.	01		
03	Defibrillator Analyzer	<b>Temperature</b> <b>Operating:</b> 10 °C to 60 °C (50 °F to 104 °F) <b>Storage:</b> -20 °C to +60 °C (-4 °F to +140 °F) <b>Humidity:</b> 10 % to 100 % <b>Display:</b> LCD display <b>Communications:</b> USB device port for computer control <b>Modes of Operation:</b> Manual and remote <b>Power:</b> Internal rechargeable battery pack for nine hours (typical) operation after full charge or the battery charger can operate the analyzer and charge the battery simultaneously <b>Battery Charger:</b> 100 V to 240 V input, the battery charger should be connected to a properly grounded ac receptacle <b>Enclosure:</b> ABS plastic housing <b>Measurements</b> Manufacturer specific algorithms GE MDE (Medical Data Electronics) Medtronic ERS/Physio Control LIFEPAK MRL (Medical Research Laboratory/Welch Allyn) Philips/Agilent HP Schiller Medical ZOLL Medical Nihon Kohden	Nos.	01		

		(plus a general purpose Default Algorithm selection)  Current 2 to 250 mA, ± (1% of reading + 0.02 mA) Pulse rate 5 to 800 PPM, ± (0.5% of reading + 0.1 PPM) Pulse width 1 to 100 ms, ± (0.5% of reading + 0.01 ms) Energy 1 J to 2 J, ± (4% of reading + 10 J) Demand and Asynchronous Mode Test Input pacer pulse rates 30 to 200 PPM ECG NSR wave Rate 10 to 300 BPM in 1 BPM increments. Amplitude 1 mV Under drive rate 10 BPM minimum Overdrive rate 300 BPM maximum Sensitivity Test Automatic interactive threshold detection Compatible pacer rates: 30 to 120 PPM. ECG R Wave Waveforms Square, Triangle, Sine Width 1 to 19 (by 1) ms. 20 to 95 (by 5) ms. 100 to 300 (by 25) ms Amplitude 0.05 to 0.95 (by 0.05) mV, 1 to 5 (by 0.5) mV Accuracy ± 5% of setting Refractory Period Tests Paced Refractory Period 20 to 500 ms Sensed Refractory Period 15 to 500 ms Accuracy ± 1 ms Pacer pulse rate 20 to 200 PPM ECG Waveform Triangle wave Pulse Width 40 ms Amplitude 1 mV				
04	<b>O2 Analyzer</b>	<b>Palm O2 Oxygen Analyzer w/Remote Sensor</b> Easy to Operate and Maintenance Free FDA Compliant 0-100% O2 Range	Nos.	01		
05	<b>Electrical Safety Analyzer</b>	<b>Voltage Range (mains voltage)</b> 90 V ac rms to 132 V ac rms 180 V ac rms to 264 V ac rms  <b>Range (accessible voltage)</b> 0 V ac rms to 300 V ac rms <b>Accuracy</b> ± (2 % of reading + 0.2 V) <b>Voltage tests</b> Mains and point to point <b>Earth resistance Modes</b> Two-Wire <b>Test current</b> > 200 mA ac <b>Ranges</b> 0 Ω to 2 Ω <b>Accuracy</b> ± (2 % of reading + 0.015 Ω) <b>Resistance tests</b> Earth resistance and point to point <b>Equipment current Mode</b> AC rms <b>Range</b> 0 A to 20 A <b>Accuracy</b> ± (5 % of reading + (2 counts or 0.2 A, whichever is greater)) <b>Duty cycle</b> 15 A to 20 A, 5 min. on/5 min. off	Nos.	01		

10 A to 15 A, 7 min. on/3 min. off  
0 A to 10 A continuous

**Leakage current**

**Modes\*** AC + DC (True rms), AC only, DC only

**Crest factor**  $\leq 3$

**Ranges** 0  $\mu$ A to 199.9  $\mu$ A  
200  $\mu$ A to 1999  $\mu$ A  
2 mA to 10 mA

**Frequency response / accuracy**

**DC to 1 kHz**  $\pm$  (1 % of reading + (1  $\mu$ A or 1 LSB, whichever is greater))

**1 kHz to 100 kHz**  $\pm$  (2 % of reading + (1  $\mu$ A or 1 LSB, whichever is greater))

**1 kHz to 5 kHz (current > 1.6 mA)**  $\pm$  (4 % of reading + (1  $\mu$ A or 1 LSD, whichever is greater))

**100 kHz to 1 MHz**  $\pm$  (5 % of reading + (1  $\mu$ A or 1 LSB, whichever is greater))

**Accuracy for Isolation, MAP, Direct AP, Alternative AP, and Alternative Equipment leakage tests all ranges are:**

At 120 V ac + (2.5  $\mu$ A or 1 LSD, whichever is greater)

At 230 V ac additional  $\pm 3.0$  % and + (2.5  $\mu$ A or 1 LSD, whichever is greater)

**Leakage tests**

Ground wire (earth)

Chassis (enclosure)

Lead to ground (patient)

Lead to lead (patient auxiliary)

Lead isolation (mains on applied part)

Direct equipment

Direct applied part

Alternative equipment

Alternative applied part

Point to point

**Differential leakage Ranges** 75  $\mu$  A to 199  $\mu$ A  
200  $\mu$ A to 1999  $\mu$ A  
2 mA to 20 mA

**Accuracy**  $\pm$  (10 % of reading + (2 counts or 20  $\mu$ A, whichever is greater))

**Insulation resistance Ranges** 0.5 M $\Omega$  to 20 M $\Omega$   
20 M $\Omega$  to 100 M $\Omega$

**Accuracy**  $\pm$  (2 % of reading + 0.2 M $\Omega$ )  
 $\pm$  (7.5 % of reading + 0.2 M $\Omega$ )

**Source test voltage** 500 V dc or 250 V dc (+ 20 %, -0 %) 2.0  $\pm$  0.25 mA short-circuit current

**Insulation resistance tests** Mains-PE, AP-PE, Mains-PE, Mains-NE (non-earthed accessible conductive part) and AP-NE (non-earthed accessible conductive part)

**ECG performance wave forms Accuracy**  $\pm 2$  %  
 $\pm 5$  % for amplitude of 2 Hz Square wave only, fixed @ 1 mV Lead II configuration

**Waveforms**

**Rates: ECG Complex:** 30 BPM, 60 BPM, 120 BPM, 180 BPM, and 240 BPM

**Ventricular Fibrillation**

**Square wave (50 % duty cycle)** 0.125 Hz and 2 Hz

**Sine wave** 10 Hz, 40 Hz, 50 Hz, 60 Hz, and 100 Hz

**Triangle wave** 2 Hz

**Pulse (63 ms pulse width)** 30 BPM and 60 BPM

**Test Standards**

		<p><b>Communications</b>  <b>USB Device Upstream Port</b> Mini-B connector for control by a computer  <b>USB Host Controller Port</b> Type A, 5 V output, 0.5 A max load. Connector for keyboard and barcode reader  <b>Modes of Operation</b> Manual and remote  <b>Power ratings</b>  <b>Mains voltage outlet</b> 120 V ac, 230 V ac  <b>Hz</b> 50Hz /60 Hz  <b>Operating temperature</b> 10 °C to 40 °C (50 °F to 104 °F)  <b>Storage temperature</b> -20 °C to 60 °C (-4 °F to 140 °F)  <b>Operating humidity</b> 10 % to 90 %</p>			
06	<p><b>Vital Signs Simulator (ECG+SPO2+NIBP+Temp) / Analyzer</b></p>	<p><b>Temperature Operating:</b> 10 °C to 40 °C (50 °F to 104 °F)  <b>Storage:</b> -20 °C to +60 °C (-4 °F to 140 °F)  <b>Humidity</b> 10 % to 90 % non-condensing  <b>Altitude</b> 3,000 meters (9,843 ft)  <b>Dimensions (L x W x H)</b> 14.5 cm x 30.2 cm x 8.6 cm (5.7 in x 11.9 in x 3.4 in)  <b>Display</b>  <b>LCD color display</b>  <b>Power rechargeable battery</b>  <b>Battery Charger:</b> 100 V to 240 V input, the battery charger should be connected to a properly-grounded ac receptacle  <b>Battery Life</b> 9 hours (minimum), 100 NIBP cycles typical  <b>Communication</b>  <b>USB device upstream port</b> Mini-B connector for control by a computer  <b>USB host controller port</b> Type A, 5 V output, 0.5 A max load. Connector for keyboard, barcode reader, and printer  <b>Detailed Specifications</b>  <b>Normal-Sinus-Rhythm Waveform</b>  <b>ECG Reference</b> the ECG amplitudes specified are for Lead II (calibration), from the baseline to the peak of the R wave. All other leads are proportional.  <b>Normal Sinus Rhythm</b> 12-lead configuration with independent outputs referenced to right leg (RL) Output to 10 Universal ECG Jacks, color-coded to AHA and IEC standards.  <b>High-Level Output</b> 0.2 V/mV ± 5 % of the ECG amplitude setting available on a BNC connector.  Amplitude  0.05 mV to 0.5 mV (0.05 mV steps)  0.5 mV to 5 mV (0.25 mV steps)  Other leads are proportional to Lead II (reference lead) in percentage per:   Lead I: 70  Lead II: 100  Lead III: 30  Lead VI: 24</p>	Nos.	01	

Lead V2: 48  
Lead V3: 100  
Lead V4: 120  
Lead V5: 112  
Lead V6: 80

**Amplitude Accuracy**  $\pm$  (2 % of setting + 0.05 mV)

**ECG Rate** 10 BPM to 360 BPM in 1 BPM steps

**Rate Accuracy**  $\pm$ 1 % of setting

**ECG Waveform Selection** Adult (80 ms) or neonatal (40 ms) QRS duration

**ST-Segment Elevation** Adult mode only -0.8 mV to +0.8 mV (0.1 mV steps) Additional steps: + 0.05 mV and - 0.05 mV

**Power-On Default** 60 BPM, 1.0 mV, adult QRS and ST-segment elevation of 0 mV

**Arrhythmia** Paced Arrhythmias

Atrial 80 BPM

Asynchronous 75 BPM

Demand with frequent sinus beats

Demand with occasional sinus beats

Atrio-ventricular sequential

Non capture (one time)

Non function

**Power-On Default** Amplitude 5 mV, width 1 ms, atrial waveform

**Baseline NSR** 80 BPM

**PVC Focus** Left focus, standard timing (except where specified)

Atrial fibrillation (coarse or fine)

atrial flutter

sinus arrhythmia

missed beat (one time)

atrial tachycardia

paroxysmal atrial tachcardi

**Premature Arrhythmia**

Premature atrial contraction (PAC)

premature nodal contraction (PNC)

PVC1 left ventricular

PVC1 left ventricular

Early

PVC1 left ventricular

R on T

PVC2 right ventricular

PVC2 right ventricular

Early

PVC2 right ventricular

R on T

**Ventricular Arrhythmia**

PVCs 6, 12, or 24 per minute

frequent multifocal PVCs  
 Bigeminy  
 Trigeminy  
 Multiple PVCs (one-time run of 2, 5, or 11 PVCs)  
 Mono-ventricular tachycardia (120 to 300 BPM in 5 BPM steps)  
 Poly-ventricular tachycardia (5 types)  
 Ventricular fibrillation (coarse or fine)  
 Asystole

**Conduction Defect**  
 First-, second-, or third-degree heart block; and right- or left-bundle-branch block

**Pacer Pulse Width** 0.1 ms, 0.2 ms, 0.5 ms, 1 ms, and 2 ms  $\pm$  5 %

**Pacer Pulse** Amplitude 0 (off),  $\pm$  2,  $\pm$  4,  $\pm$  6,  $\pm$  8,  $\pm$  10,  $\pm$  12,  $\pm$  14,  $\pm$  16,  $\pm$  18,  $\pm$  20,  $\pm$  50,  $\pm$  100,  $\pm$  200,  $\pm$  500, and  $\pm$  700 mV for lead II (reference lead)

**Accuracy Reference lead II:**  $\pm$  (5 % setting + 0.2 mV) All other leads:  $\pm$  (10 % setting + 0.4 mV)

**Advanced Cardiac Life Support**  
 Shockable pulseless arrest rhythms  
 Ventricular fibrillation (coarse)  
 ventricular fibrillation (fine)  
 Un-stable polymorphic ventricular tachycardia  
 Non-shockable pulseless arrest rhythms  
 Asystole  
 Symptomatic bradycardia

**Sinus bradycardia** (< 60 BPM); 2nd degree AV block, mobitz type I; 2nd degree AV block, mobitz type II;  
 Complete/3rd degree AV block; Right bundle branch block; Left bundle branch block

**Symptomatic tachycardia:** regular narrow-complex tachycardia (QRS < 0.12 seconds)

**Sinus tachycardia** > 150 BPM;  
 Supraventricular Tachycardia

**Symptomatic tachycardia** : regular wide-complex tachycardias (QRS > 0.12 seconds)

**Sinus tachycardia** > 150 BPM; Supraventricular Tachycardia SVT with aberrancy

**Irregular tachycardia**  
 Atrial fibrillation (coarse and fine), atrial flutter, unstable monomorphic ventricular tachycardia (120 BPM to 300 BPM), torsade de pointes/polymorphic ventricular tachycardia (long QT interval)

**ECG Performance Testing** Rate Accuracy  $\pm$  1 % of setting



**Amplitude Accuracy**  $\pm$  (2 % of setting + 0.05 mV)

**Amplitude** (peak-to-peak)  
0.05 mV to 0.5 mV (0.05 mV steps)  
0.5 mV to 5 mV (0.25 mV steps)  
Other leads are proportional to  
Lead II (reference lead) in percentage per:  
Lead I: 70  
Lead II: 100  
Lead III: 30  
Lead V1 through V6: 100

**Pulse Wave** 30 BPM, 60 BPM, with 60 ms pulse width

Square Wave 0.125 Hz, 2 Hz, 2.5 Hz  
Triangle Wave 0.125 Hz, 2 Hz, 2.5 Hz  
Sine Wave 0.05 Hz, 0.5 Hz, 1, 2 Hz, 5 Hz, 10 Hz, 25 Hz, 30 Hz, 40 Hz, 50 Hz, 60 Hz, 100 Hz, and 150 Hz

**R-Wave Detection** Waveform

**Triangular pulse** Rate 30 BPM, 60 BPM, 80 BPM, 120 BPM, 200 BPM, and 250 BPM

**Width** 8 ms to 20 ms in 2 ms steps, and 20 ms to 200 ms in 10 ms steps

**Width accuracy**  $\pm$  (1 % of setting + 1 ms)

**QRS Detection** Widths 8 ms to 20 ms in 2 ms steps, and 20 ms to 200 ms in 10 ms steps

**Width accuracy**  $\pm$  (1 % of setting + 1 ms)

**Rate** 30 BPM, 60 BPM, 80 BPM, 120 BPM, 200 BPM, and 250 BPM

**R-Wave up slope** 0.875 amplitude, 0.4375 x width

**R-Wave down slope** Full amplitude, 0.5 x width

**S-Wave up slope** 0.125 amplitude, 0.0625 x width

**Tall T-Wave Rejection** Waveform

**QT Interval** 350 ms T-Wave width 180 ms T-Wave shape  $\frac{1}{2}$  sinewave

**Amplitude** 0 % to 150 % reference lead amplitude in 10 % steps

**Rate** 80 BPM

**ECG Artifact Type** 50 Hz, 60 Hz, muscular, baseline wander, respiration

**Size** 25 %, 50 %, 100 % of the normal sinus R-Wave for each lead

**Lead Select** All, RA, LL, LA, V1, V2, V3, V4, V5, V6

**Fetal/Maternal ECG** Fetal Heart Rate (fixed) 60 BPM to 240 BPM in 1 BPM steps

**Fetal Heart Rate (IUP)** 140 BPM at beginning, then varies with pressure

**Intrauterine-Pressure Waveforms** Variable deceleration, early deceleration, late deceleration, and uniform acceleration

**Wave Duration** 90 seconds, bell-shaped pressure curve, from 0 mmHg to 90 mmHg and returning to 0

**IUP Period** 2 min, 3 min, or 5 minutes; and manual  
**Default Settings** FHR 120 BPM, uniform deceleration wave, manual  
**Invasive Blood Pressure** Channels 2, each independently settable with identical parameters and are individually electrically isolated from all other signals  
**Input / Output Impedance** 300  $\Omega$  - or  $\pm 10\%$   
**Exciter Input Range** 2 to 16 V peak  
**Exciter-Input Frequency Range** DC to 5000 Hz  
**Transducer Sensitivity** 5 (default) or 40  $\mu\text{V}/\text{V}/\text{mmHg}$   
**Pressure Accuracy**  $\pm (1\% \text{ of setting} + 1 \text{ mmHg})$  accuracy guaranteed for dc excitation only  
**Static Pressure** - 10 to + 300 mmHg in 1 mmHg steps  
**Pressure Units** mmHg or Kpa  
**Cardiac Catheterization** Chambers: Aortic, pulmonary valve, and mitral valve  
**BP Output** Circular DIN 5-Pin  
**Power-On Default** 0 mmHg  
**Swan-Ganz Sequence** Right atrium, right ventricular (RV), pulmonary artery (PA), pulmonary artery wedge (PAW)  
**Dynamic Waveforms**  
**Types (default pressures)**  
 Arterial (120/80)  
 Radial artery (120/80)  
 Left ventricle (120/00)  
 Right ventricle (25/00)  
 Pulmonary artery (25/10)  
 Pulmonary-artery wedge (10/2)  
 Right atrium (central venous or CVP) (15/10)  
  
**Pressure variability** Systolic and diastolic pressures are independently variable in 1 mmHg steps  
**Respiration Artifact** Arterial, radial artery, and left ventricle 5% to 10% multiplication  
**Other** 5 mmHg or 10 mmHg  
**Respiration Rate** 0 (OFF), 10 BrPM to 150 BrPM in 1 BrPM steps  
**Waves** Normal or ventilated  
**Ratio** (inspiration : expiration)  
 Normal 1:1, 1:2, 1:3, 1:4, 1:5  
 Ventilated 1:1  
**Impedance Variations ( $\Omega$ )** 0.00  $\Omega$  to 1.00  $\Omega$  in 0.05  $\Omega$  steps and 1  $\Omega$  to 5  $\Omega$  in 0.25  $\Omega$  steps  
**Accuracy Delta**  $\pm (3\% \text{ of setting} + 0.05 \Omega)$   
**Baseline** 500  $\Omega$ , 1000  $\Omega$  (default), 1500  $\Omega$ , 2000  $\Omega$ , Leads I, II, III  
**Accuracy Baseline**  $\pm 5\%$   
**Respiration Lead** LA or LL (default)

**Apnea Selection** 12 sec, 22 sec, or 32 seconds (one-time events), or continuous (Apnea ON = respiration OFF)  
**Power-On Default Temperature Accuracy** 20 BrPM, delta 1.0 Ω  
 30 °C to 42.0 °C in 0.5 °C steps  
 ± 0.4 °C  
**Compatibility** Yellow Springs, Inc. (YSI) Series 400 and 700  
**Output** Circular DIN 4-Pin  
**Cardiac Output** Catheter Type

**Blood Temperature** 36 °C (98.6 °F) to 38 °C (100.4 °F) ± 2 % in 1 °C steps  
**Injectate Volume** 10 cc  
**Injectate Temperature** 0 °C or 24 °C  
**Cardiac Output** 2.5, 5, 10 liters per minute ± 7.5 %

**Faulty-Injectate Curve** Waveform for simulation  
**Left-To-Right-Shunt Curve** Waveform for simulation

**Calibrated Pulse** 1.5 ° for 1 second  
**Connector** Circular DIN 7 pin  
**Power-On Default** 5 liters per minute, 0 °C injectate, 37 °C blood temperature

**Pressure Units** mmHg or kPa  
**Pressure Relief Test Range** 100 to 400 mmHg

**Synchronization**

- Arrhythmias
- Premature atrial contraction (PAC)
- premature ventricular contraction (PVC)
- atrial fibrillation
- missed beat

**Manometer (Pressure Meter)**

**Range** 10 mmHg to 400 mmHg  
**Resolution** 0.1 mmHg  
**Accuracy** ± (0.5 % reading + 0.5 mmHg)

**Pressure Source**

**Target pressure range** 20 mmHg to 400 mmHg

**Resolution** 1 mmHg

**NIBP Simulations** Pulse 2mmHg max into 500 ml NIBP system

**Volume of air moved** 1.25 ml max

**Simulations (systolic/diastolic [MAP])**

**Adult:** 60/30 (40), 80/50 (60); 100/65 (77); 120/80 (93); 150/100 (117); and 200/150 (167) and 255/195 (215)

**Neonatal:** 35/15 (22); 60/30 (40); 80/50 (60); 100/65 (77); 120/80 (93) and 150/100

**Pressure variability:** systolic and diastolic pressures are variable by 1 mmHg

**Repeatability** Within ± 2 mmHg (at maximal pulse size independent of device under test)

**Synchronization:** normal Sinus heart rates: 30 BPM to 240 BPM

**Maximum rate at 1 ml:** 240 BPM achievable with pulses up to 1 ml

**Maximum rate at 1.25 ml:** 180 BPM

**Leak Test**

**Target pressure** 20 to 400 mmHg

**Elapse time** 0:30 to 5:00 minutes:  
seconds in 30 second steps

**Leakage rate** 0 mmHg/minute to 200 mmHg/minute

**SpO<sub>2</sub> Test** (Optional)

**Heart Rate** 30 BPM to 300 BPM in 1 BPM steps.

**Masimo Rainbow Technology**

**% O<sub>2</sub> Range** 30 % to 100 %

**Resolution** 1 %

**% O<sub>2</sub> Accuracy** With oximeter manufacturer's R-curve

Saturation within UUT specific range: ± (1 count + specified accuracy of the UUT)

Saturation outside UUT specific range:  
monotonic with unspecified accuracy

91 % to 100 % ± (3 counts + specified accuracy of the UUT)

81 % to 90 % ± (5 counts + specified accuracy of the UUT)

71 % to 80 % ± (7 counts + specified accuracy of the UUT)

Below 7 % monotonic with unspecified accuracy

**Transmission Range** 0 ppm to 300.00 ppm

**Resolution** 0.01 ppm

**Accuracy** + 50 %/- 30 % for compatible monitors, unspecified for others

**Pulse Amplitude Range** 0 % to 20.00 %

**Resolution** 0.01 %

**Artifact Respiration Range:** 0 % to 5 % of transmission

**Resolution:** 1 %

**Ambient light Range:** 0 to 5X transmitted light

**Resolution:** 1X

**Frequency:** DC, 50 Hz, 60 Hz, and 1 kHz to 10 kHz in 1 kHz steps

Compatible Manufacturer Products

With manufacturer R-curve

Nellcor, Masimo, Nonin, and Nihon Kohden

**Pre-Defined Simulations**

Normal

Hypertensive

Hypotensive

Tachycardic

Bradycardic

Ventricular Fibrillation

Asystole

		<b>Autosequences</b> Monitor Testing Sequence ECG Sequence Oximeter Testing Sequence Cardiac Failure Sequence Arrhythmia Sequence Exercise Sequence Respiration Sequence NIBP Testing Sequence IBP Testing Sequence Temperature Sequence				
07	<b>SMD Hot Air Rework Station</b>	Suitable for soldering and disordering surface mounted with ICs, such as QFP, PLCC, SOP, BGA etc. PID controlled closed loop of sensor, rapid heating, precise and stable temperature Intelligent cooling system, deferred air delivery Low vibration, free noise, ESD protection	Nos.	01		
08	<b>Laser Temperature Meter</b>	<b>IR Temperature Range:</b> -40 C to 800 C (-40F to 1472F) <b>Battery:</b> Rechargeable <b>Operating Temperature:</b> 0C to 50C <b>Storage Temperature:</b> -20C to 60C	Nos.	01		
09	<b>Digital Multi-meter with LCR</b>	<b>Inductance (H):</b> 0.01uH~9999H ±(0.5%+5) <b>Capacitance (F):</b> 0.01pF~9999mF ±(0.5%+5) <b>Resistance (Ω):</b> 0.0001Ω~99.99MΩ ±(0.3%+5) <b>Test Frequency (Hz):</b> 100Hz/120Hz/1kHz/10kHz/ 100kHz <b>Operational Voltage:</b> 0.6Vrms <b>Test Parameters:</b> L/C/R/DCR/Q/D/θ/ESR <b>Display Count:</b> 20000 <b>D/Q Display Count:</b> 2000 <b>Output Impedance:</b> 120Ω <b>Accessories:</b> With all standard accessories including (Battery, SMD Test Clamp, USB Interface Cable, Multi-Purpose Socket) With Calibration Certificate	Nos.	01		
10	<b>LUX Meter</b>	<b>Measuring range:</b> 0.1Lux – 250,000 Lux <b>Resolution:</b> up to 0.1Lux <b>Hold function</b> Auto reset when no light is detected Auto shut-off after 10 minutes of non-use <b>Display:</b> Digital Display <b>Sampling rate:</b> 0.5 times/sec. <b>Min resolution:</b> 0.1Lux <b>Working temperature:</b> 0-40°C, 0-80%Rh <b>Storage temperature:</b> -10-50°C, 0-85%Rh	Nos.	01		
11	<b>Temperature Test Unit</b>	For Existing Machine (3M Bair Hugger 500/700 Series Temperature Test Kit Model 22110)	Nos.	01		

12	<b>Angle Grinder (Black &amp; Decker)</b>	Angle Grinder with all types & Size of Cutting Disc	Nos.	01		
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**Note:** Local & China manufacture not acceptable.

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

Name of Firm: - \_\_\_\_\_

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

Telephone No. Office:- \_\_\_\_\_ 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 AGREEMENT**

## **Tender Title**

This Contract Agreement (hereinafter called the Agreement) made on \_\_\_ day of \_\_\_\_\_ Year.

## **BETWEEN**

### **M/s.**

A Contractor, having its office at **Bidder's address**. (Hereinafter mentioned as Contractor), which expression shall be deemed to mean and include its successors-in-interest and permitted assigns;

### **AND**

**SHAHEED MOHTARMA BENAZIR BHUTTO ISTITUTE OF TRAUMA** A department under Government of Sindh, having its office at SMBBIT, Chand Bibi Road, Karachi Sindh, Pakistan hereinafter mentioned as "the Client", which expression shall be deemed to mean and include its successors-in-interest and permitted assigns;

WHEREAS the Contractor has agreed to render certain services i.e. "**Tender Title**" to SMBBIT Karachi and has necessary know how and staff in the respect.

### **AND**

WHEREAS the Client is desirous of availing the services offered by the contractor for "**Tender Title**" for its premises at the cost of **Rs.** \_\_\_\_\_/- (The contract amount) as per below mentioned **BOQ**.

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

<b>Item. #</b>	<b>DESCRIPTION</b>	<b>Unit Quantity</b>	<b>Unit</b>	<b>Quoted Rate</b>

Now this agreement witnesseth as follows:

1. In this agreement words and expression shall have the same meanings as are respectively assigned to them in the Terms & Conditions of Tender Enquiry referred to.
2. The Following documents after incorporating addenda, if any except these parts relating to Instruction to bidders, shall be deemed to form and be read and constructed as part of this Agreement, viz:
  - a. Purchase order(s)/ Letter of Acceptance where applicable.
  - b. The completed Form of Bid along with Schedules to Bid.
  - c. Condition of Contract & Contract Data
  - d. The priced Scheduled of prices
  - e. The specifications



3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to execute and complete the Works and remedy defects therein in conformity and in all respects within the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier, in consideration of the execution and completion of the Works as per provisions of the Contract, 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.
5. The Contract Price of tender will be Rs: \_\_\_\_\_/Year;
6. That estimated cost of tender is on approximate basis and may vary in case of forced majeure or as per the demand of situation.

IN WITNESS WHEREOF the parties hereto have caused this Contract Agreement in accordance with their respective hands and seals, the day, month and the year first above written.

This contract will be extendible on the same rates till the allocation of new tender.

Signature of the Supplier

Signature of the Purchaser

\_\_\_\_\_

\_\_\_\_\_

(Seal)

(Seal)

# 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 area of the said Principal we, the Guarantor above named, are held and firmly bound unto the Chief Operating Officer (COO), SMBBIT, Karachi (hereinafter called the Employer) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said Employer, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

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

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Employer, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Condition of Contract are fulfilled.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall be received by us 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:

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

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

\_\_\_\_\_  
Guarantor (Bank)

Signature:

\_\_\_\_\_  
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 SMBB 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. \_\_\_\_\_

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 (COO)**