

# SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE OF TRAUMA, KARACHI

## BID EVALUATION REPORT

1	Name of Procuring Agency	SMBB INSTITUTE OF TRAUMA
2	Tender Reference No.	PROC/SMBBIT/(OTHERS -01)/2025-26
3	Tender Description / Name of Work	PROCUREMENT OF FIRE ALARM SYSTEM, LOGO KARACHI & LARKANA, SIGNAGE WORKS & REVERSE OSMOSIS (RO) PLANT
4	Method of Procurement	SINGLE STAGE - ONE ENVELOPE PROCEDURE 46(1)
5	Tender Published	DAILY DAWN (DATED: 22-10-2025), DAILY JANG (22-10-2025 DAILY KAWISH (DATED: 22-10-2025) EPADS ID #. S-251095341 & SMBB-IT WEBSITE
6	Total Bid Documents Sold	2
7	Total Bid Received	2
8	Bid opening date (if applicable)	11-11-2025 AT 10:30 AM
9	Number of Bidder technically qualified (if applicable)	2
10	Number of Bidder technically disqualified	0
11	<b>Bid Evaluation Report</b>	

S.No.	Name of Firm or Bidder	Cost Offered by Bidder	Ranking in Terms of Cost	Comparison with Estiamted cost	Reasons for Acceptance	Remarks
1	2	3	4	5	6	7
1	M/s. Benchmark Corporation					Please see Financial Comparative Statement
2	M/s. Raza & Raza Engineering					

Reasons of acceptance / rejection have been recorded in "Minutes / Technical Evaluation Report".

Procurement Committee has recommended to award the contract to the firms whose bids were found substantially responsive in the relevant items where they quoted lowest.

Item wise comparative statement is attached in ascending order.

**Dr. M. Yousuf Memon**  
Consultant and Head of  
Interventional Radiology  
MBBS, DMRD, EDIR VIR  
SMBB Institute of Trauma Karachi

**DR. YOUSUF MEMON**  
Member - PC  
HOD Interventional Radiology,  
SMBB Institute of Trauma, Karachi

**MR. BILAL IDREES**  
Member - PC  
Manager Supply Chain Management,  
SMBB Institute of Trauma, Karachi

**PROF. DR. SADOQA AFTAB**  
Department of Anesthesiology  
SMBB Institute of Trauma  
**PROF. DR. SADOQA AFTAB**  
Chairperson - PC  
HOD ICU & Anesthesiology Department,  
SMBB Institute of Trauma, Karachi

**MR. SYED AKMAL SULTAN**  
Member - PC  
HOD Orthopaedic Department,  
SMBB Institute of Trauma, Karachi

**HAMMAD HUSSAIN**  
Member - PC  
Bio-Medical Engineer,  
SMBB Institute of Trauma, Karachi

**PROF. DR. BADARUDDIN SAHITO**  
Member - PC  
Professor of Orthopaedic,  
Dow University Health of Sciences & Dr Ruth K M  
PFau, Civil Hospital, Karachi

**MR. MUHAMMAD FAHEEM**  
Member - PC  
Sr. Pharmacist,  
SMBB Institute of Trauma, Karachi



# SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE OF TRAUMA, KARACHI

## MEETING MINUTES OF BID OPENING

NIT No.	PROC/SMBBIT/2025-26/101 (Dated: 18 <sup>th</sup> October-2025)
Tender Reference #	PROC/SMBBIT/(OTHERS-01)/2025-26
EPADS ID #	S-251095341
Procedure of Procurement	Single Stage – One Envelope 46(1)

### NAME OF WORK: PROCUREMENT OF FIRE ALARM SYSTEM, LOGO KARACHI & LARKANA, SIGNAGE WORKS & REVERSE OSMOSIS (RO) PLANT

Meeting of SMBB-IT, Karachi Procurement Committee (PC) was held on Tuesday, 11<sup>th</sup>-November-2025 for opening of above-mentioned NIT through online on EPADS SPPRA website. The meeting was attended by members of the Procurement Committee. (Please refer to the Attendance sheet).

In response of above following bidders purchased tender documents for the above work till closing date;

S #	Company Name
1.	M/s. Benchmark Corporation
2.	M/s. Raza & Raza Engineering

The following bidders submitted their bids online but failed to submit the required Pay Order within the specified time frame as outlined in the NIT;

S #	Company Name
1.	M/s. Benchmark Corporation
2.	M/s. Raza & Raza Engineering

The following bidders submitted bids online on EPADS SPPRA website according to the schedule mentioned in NIT:

S #	Company Name
1.	M/s. Benchmark Corporation

DR. SVED AKMAL SULTAN  
Consultant and Head of  
Department  
Trauma Orthopaedic Surgery  
SMBB Institute of Trauma, Karachi

HAMMID HUSSAIN  
Biomedical Engineer  
SMBB Institute of Trauma

MUHAMMAD FAHEEM  
Pharmacist  
SMBB Institute of Trauma

PROF. SARINA AFTAB  
Department of Trauma  
SMBB Institute of Trauma, Karachi



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2.	M/s. Raza & Raza Engineering
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Bids were opened at **10:30a.m.** in presence of Procurement Committee, Bids online on EPADS SPPRA website according to the schedule mentioned in NIT.

Procurement Committee examined the bids as per the qualification/eligibility criteria provided in the bidding documents. After examination of required documents and arithmetical checks; Procurement Committee verified the documents and bid securities which were submitted by the bidders. The position of evaluation is as under;

Following bidders fulfill the mandatory requirements and stand qualified.

(Details are described in attached T.E.R):

S #	Company Name
1.	M/s. Benchmark Corporation
2.	M/s. Raza & Raza Engineering

Following are the details of qualified bid announced:

S #	Company Name	Sum of Offered Total Amount	5% Bid Security	Cheque Amount	Pay Order #	Bank Details	Tender Purchase
1	M/s. Benchmark Corporation	59,693,000.00	2,984,650	3,000,000	6365677	Meezan Bank (9915) Indus Mehran Co-operative Housing Society Branch Karachi	Purchased
2	M/s. Raza & Raza Engineering	53,304,000.00	2,665,200	2,800,000	5836595	Meezan Bank (9902) Shaheen Complex Branch, Karachi	Purchased

The position of Financial Evaluation is attached in item wise Comparative Statement.



# SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE OF TRAUMA, KARACHI

Procurement Committee has recommended to award the contract to the firms whose bids were found substantially responsive in the relevant items where they quoted lowest.

Meeting ended with vote of thanks to and from the Chair.

**Dr. M. Yausuf Memon**  
Consultant and Head of  
Interventional Radiology  
MBBS, DMRD, FRCR, EDIR, VIRA  
SMBB Institute of Trauma, Karachi

**DR. YOUSUF MEMON**

**Member - PC**

HOD Interventional Radiology,  
SMBB Institute of Trauma, Karachi

**MR. BILAL IDREES**

**Member - PC**

Manager  
Supply Chain Management  
SMBB Institute of Trauma, Karachi

**PROF. DR. SADQA AFTAB**

**Chairperson - PC**

HOD ICU & Anesthesiology Department,  
SMBB Institute of Trauma, Karachi

**DR. SYED AKMAL SULTAN**

**Member - PC**

HOD Orthopaedic Department,  
SMBB Institute of Trauma, Karachi

**MR. HAMMAD HUSSAIN**

**Member - PC**

Bio-Medical Engineer,  
SMBB Institute of Trauma, Karachi

**PROF. DR. BADARUDDIN SAHITC**

**Member - PC**

Professor of Orthopaedic  
Dow University Health of Sciences & D.  
Ruth K M PFau, Civil Hospital, Karach

**MR. MUHAMMAD FAHEEM**

**Member - PC**

Pharmacist  
SMBB Institute of Trauma, Karachi

# CERTIFICATE

It is certified that in compliance of Rule-48 of SPP Rule 2010 (Amended Up to Date), Even when only one bid is submitted, the bidden process may be considered valid, if the bid was advertised in accordance with rules, and prices are comparable to (PC-I cost or Financial Estimates or) the prices or rates of the last awarded contracts or the market prices.

**EPADS ID:** S-251095341

**Tender Name:** PROCUREMENT OF FIRE ALARM SYSTEM, LOGO KARACHI & LARKANA, SIGNAGE WORKS & REVERSE OSMOSIS (RO) PLANT

**Tender Reference:** PROC/SMBBIT/(OTHERS -01)/2025-26

**PROF. DR. SADOQA AFTAB**  
Chairperson - PC

HOD ICU & Anesthesiology Department,  
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Ruth K M PFau, Civil Hospital, Karachi

**DR. YOUSUF MEMON**

Member - PC

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HOD Interventional Radiology,  
SMBB Institute of Trauma, Karachi

**DR. SYED AKMAL SULTAN**  
Consultant Orthopaedic Surgeon  
Head of Department  
Larkana Orthopaedic Surgery  
SMBB Institute of Trauma, Karachi

**DR. SYED AKMAL SULTAN**

Member - PC

HOD Orthopaedic Department,  
SMBB Institute of Trauma, Karachi,

**MR. BILAL IDREES**

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Supply Chain Management,  
SMBB Institute of Trauma, Karachi

**MR. MUHAMMAD FAHEEM**

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**MR. HAMMAD HUSSAIN**

Member - PC

Bio-Medical Engineer,  
SMBB Institute of Trauma, Karachi

**SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE OF TRAUMA**  
**Technical Evaluation Criteria (Mandatory)**

EPADS ID #

S-251095341

TENDER REFERENCE #

PROC/SMBBIT/(OTHERS-01)/2025-26

DATE & TIME OPENING OF PROPOSAL:

11-11-2025 AT 10:30 AM

TENDER TITLE:

PROCUREMENT OF FIRE ALARM SYSTEM, LOGO KARACHI & LARKANA, SIGNAGE WORKS & REVERSE OSMOSIS (RO) PLANT

S.#	List of Documents	M/s. Benchmark Corporation	M/s. Raza & Raza Engineering
1	Compliance of Terms & Conditions / Instructions mentioned in the SBD. 1. Attached authorized person CNIC copy. 2. Signed & stamped each and every page of Terms & Condition & all bidding documents. (If compliance of above points not found offer will be rejected).	Attached	Attached
2	Relevant Experience with documentary proof (at least Last Three Years) Attach Supply / Purchase Order / Award of Contract (Public / Private Sector // Semi - Government Organizations) Provincial / Federal / Local must be attached.	Attached	Attached
3	Registration with Income Tax - NTN (Attach Valid Certificate)	Attached	Attached
4	Copy of Financial year Paid Income tax and return (Recent Last Three Years)	Attached	Attached
5	Copy of Professional Tax (Attach Recent Valid Certificate Copy)	Attached	Attached
6	a) General Sales Tax (Mandatory) b) Sindh Sales Tax (If applicable) / Sindh Board of Revenue (Registration is not required for procurement of Goods)	Attached	Attached
7	Annual Turnover during last three (03) financial years up till PKR 50 million & above. (Audited Statements of Accounts and Income Tax Return Forms must be attached as supporting documents)	Attached	Attached
8	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 per given sample as per attached Table of Content Point # 11). (ANNEXURE-D)	Attached	Attached
9	Bidders must submit an undertaking on legally valid, attested stamp paper, confirming their commitment to supply the required items within the stipulated time frame as per the "Schedule of Requirements." Any modification or deviation in the delivery timelines will result in bid rejection. (ANNEXURE-E).	Attached	Attached
10	Bidders currently providing services at SMBBIT must obtain and attach a satisfactory performance certificate from the competent authority of SMBB Institute of Trauma, specifically for the financial year during which they last rendered services. New bidders are required to submit at least three satisfactory performance letters from reputable healthcare facilities. Failure to provide these certificates will result in the rejection of the bid.	Attached	Attached
11	Authorization / Distributors Agency Agreement with Manufacturer. (Where Applicable)	Attached	Attached
12	Quoted items must be CE Certified / FDA Approved / DRAP Registered (Certificate should also be attached). (Where Applicable)	Not Applicable	Not Applicable
13	Bid Letter Form on bidder's letter head as per sample of this bidding documents duly sign and stamp. (ANNEXURE-C)	Attached	Attached
14	The Bid Security in the form of Original Pay Order / Bank Draft must be submitted in hard copy to the Planning & Procurement Department, SMBB Institute of Trauma, Karachi, prior to the bid opening time. A scanned copy of the same shall also be uploaded in the EPADS SPPRA system.	Attached	Attached
15	Tender fee Original Pay Order / Bank Draft should be submitted prior to the opening of the bid in EPADS SPPRA at office of Planning & Procurement Department, SMBBIT - Karachi.	Attached	Attached
	Status	Complied	Complied

**Dr. M. Yousuf Memon**  
 Consultant and Head of  
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**MR. BLAD JUREES**  
 Member - PC  
 Manager Supply Chain Management,  
 SMBB Institute of Trauma, Karachi

**PROF. SAJID AFTAB**  
 Chairman - PC  
 HOD ICU & Anesthesiology Department,  
 SMBB Institute of Trauma, Karachi

**MR. SYED AKMAL SULTAN**  
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**SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE OF TRAUMA, KARACHI**  
**FINANCIAL & TECHNICAL EVALUATION**  
**COMPARATIVE STATEMENT**

EPADS ID #  
 TENDER REFERENCE #  
 DATE & TIME OPENING OF PROPOSAL:  
 TENDER TITLE:

S-251095341  
 PROC/SMBBIT/(OTHERS-01)/2025-26  
 11-11-2025 AT 10:30 AM  
 PROCUREMENT OF FIRE ALARM SYSTEM, LOGO KARACHI & LARKANA, SIGNAGE WORKS & REVERSE OSMOSIS (RO) PLANT

S.#	Item Description	Quoted Firm Name		M/s. Benchmark Corporation			M/s. Raza & Raza Engineering					
		Tentative Qty.	U.O.M	Quoted Product Description / Make / Brand Name	Country of Origin	Unit Price	Total Price	Quoted Product Description / Make / Brand Name	Country of Origin	Unit Price	Total Price	
<b>01</b>	<b>FIRE ALARM SYSTEM</b>											
1	Providing & Laying of FP-200 PH 30 Fire Resistant Cable	5	Coil	The quoted sums shall be deemed to cover the complete scope of works on lump sum basis. Any minor variations, adjustments, or deficiencies identified during the execution of the works shall be rectified and complete by the contractor at the same agreed rates, without any additional cost or financial liability to the Procuring Agency.	Same as existing	48,300,000	48,300,000	Oren Cable or as per existing	Same as existing	41,500,000	41,500,000	
2	Providing and installation of Intelligent addressable Optical smoke detector complete with built-in isolator, base including all mounting and installation accessories.	617	Nos.					Moley By Honeywell MI-PSE-S2-IV				
3	Providing and installation of Intelligent addressable Optical heat detector complete with built-in isolator, base including all mounting and installation accessories.	93	Nos.					Morley by Honeywell MI-RHSE				
4	Providing and installation of Addressable manual call point including built-in isolator module including all mounting and installation accessories.	18	Nos.					Morley By Honeywell MI-MCP-GLASS				
5	Providing and installation of Addressable loop powered audio-visual sounder with strobe, built-in isolator including all mounting and installation accessories.	25	Nos.					Morley By Honeywell MI-WSS-PR-N				
6	Supply, Installation of Core I7 PC including 16 GB Ram, 1 TB HDD, HDMI Port, License Window 10 OS and associated accessories	1	Set					Dell				
7	Supply & Installation of TG-Based Graphical Software for Fire Alarm System	1	Nos.					Honeywell TG-Base				
8	Supply, Installation, Testing and Commissioning DXC4, 4 Loop, Networkable analog addressable fire panel control panel with batteries as per existing panel	2	Nos.					Honeywell 714-001-242				
9	Supply and Installation of DXC Network Kit for Panel-to-Panel Connectivity	4	Nos.					Honeywell 795-099				
10	Supply and Installation of TG-IP1-SEC Interface RS232/485 to IP 10/100MHZ for Connected with Third Party	4	Nos.					Honeywell TG-IPI-SEC				
11	Testing & Commissioning of FA System	1	Job.					-				
Note: •Above mentioned all items needed in upgradation of existing FA system installed at SMBBIT all items compatible with existing system. •All items are need to be quoted by vendor if any item not quoted by vendor so his bid rejected because bid financial comparison on the basis of LOT wise not item wise.												
<b>Total Cost of Complete Work</b>								<b>48,300,000</b>			<b>41,500,000</b>	
<b>Ranking</b>												<b>1st</b>
<b>End User Remarks</b>												<b>Approved</b>

*[Signature]*  
**DEPUTY MANAGER**  
 Deputy Manager Maintenance (End user)  
 SMBB Institute of Trauma, Karachi

**Dr. M. Yousuf Memon**  
 Consultant and Head of  
 Interventional Radiology  
 MBBS, DMRD, FRCS(A), EDHNP  
 DR. YOUSUF MEMON  
 Member - PC  
 HOD Interventional Radiology,  
 SMBB Institute of Trauma, Karachi

*[Signature]*  
**MANAGER**  
 Manager  
 Supply Chain Management  
 SMBB Institute of Trauma, Karachi

**PROF. SARDQA AFTAB**  
 Department of Anesthesiology  
 SMBB Institute of Trauma, Karachi  
 Dow University of Health Sciences

*[Signature]*  
**PROF. DR. SARDQA AFTAB**  
 Chairperson - PC  
 HOD ICU & Anesthesiology Department  
 SMBB Institute of Trauma, Karachi

*[Signature]*  
**MR. SYED AKMAL SULTAN**  
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**MUHAMMAD FAHEEM**  
 Pharmacist  
 SMBB Institute of Trauma

**SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE OF TRAUMA, KARACHI  
FINANCIAL & TECHNICAL EVALUATION  
COMPARATIVE STATEMENT**

**EPADS ID #**  
**TENDER REFERENCE #**  
**DATE & TIME OPENING OF PROPOSAL:**  
**TENDER TITLE:**

S-251095341  
PROC/SMBBIT/(OTHERS-01)/2025-26  
11-11-2025 AT 10:30 AM

**PROCUREMENT OF FIRE ALARM SYSTEM, LOGO KARACHI & LARKANA, SIGNAGE WORKS & REVERSE OSMOSIS (RO) PLANT**

S.#	Item Description	Tentative Qty.	U.O.M	Name of Company	Quoted Product Description / Make / Brand Name	Country of Origin	Unit Price	Total Price	End User Remarks	Ranking	Successful Bidder
02	<b>LOGO SIGNAGE WORKS SMBBIT KARACHI.</b>										
	Technical Specifications Work Title: Repair & Maintenance of SMBBIT Letters & Logo										
	1. Scope of Work The scope covers comprehensive repair, maintenance, and reinstallation of existing SMBBIT signage letters & logo, including structural and surface works as described below:										
	2. Repair & Maintenance of Letters & Logo •Cleaning of existing 3D letters and logo. •Repairing of broken/damaged portions. •Alignment and leveling of letters & logo. •Polishing of surfaces for uniform finish. •Re-fixing of letters/logo with proper fasteners and supports.			M/s. Benchmark Corporation	The quoted sums shall be deemed to cover the complete scope of works on lump sum basis. Any minor variations, adjustments, or deficiencies identified during the execution of the works shall be rectified and complete by the contractor at the same agreed rates, without any additional cost or financial liability to the Procuring Agency.		509,000.00	509,000.00	Approved	1st	
	3. Replacement of ACP Cladding Sheets •Removal of damaged ACP (Aluminum Composite Panel) sheets. •Supply & Installation of 4 mm thick ACP panels (approved color & quality). •Proper edge finishing, sealing, and alignment to match existing cladding										
	4. Painting Works •Surface Preparation: Complete scraping, cleaning, and rust removal. •Primer: One coat of anti-rust / metal primer. •Finish: Two coats of high-quality, weather-resistant exterior paint (approved shade).										
	5. Structural Repair / Support Work •Welding of damaged joints/frames. •Strengthening of MS pipe/frame structures as needed. •Application of anti-rust paint (primer + enamel finish) on repaired/strengthened areas.	1	Job								M/s. Benchmark Corporation
	6. Crane & Equipment •Provision of crane, lifters, scaffolding, or other equipment required for safe dismantling, lifting, and reinstallation of signage letters & logo. •Ensuring worker safety standards during execution.			M/s. Raza & Raza Engineering	1) ACP Clading New Sheet 2) Maintenance for SMBBIT letter & Logo 3) Crane Charges 10 hours per day All required work has been quoted on a lump-sum basis. Any minor variations, adjustments, or shortfalls identified during execution shall be carried out and rectified at the same rates, without any additional cost to the procuring agency.		1,000,000.00	1,000,000.00	Approved	2nd	
	7. Vendor Visit / Survey Requirement •Mandatory site visit and survey report prior to bid submission. •Report must be duly signed & stamped by the Deputy Manager Maintenance, SMBBIT. •Bids without survey report will not be considered for evaluation.										
	8. General Terms & Conditions •Compliance: As per SPPRA Rules & institutional procurement procedures. •Warranty: Minimum 06 months on repair & installation works. •Completion: All works to be executed on turnkey basis, including supply of labor, material, tools, and equipment. •Approval: All colors, finishes, and materials to be approved by Engineer Incharge before execution.										

**MUHAMMAD FAZL**  
Pharmacist  
SMBS Institute of Trauma

**HAMMAD HUSSAIN**  
Biomedical Engineer  
SMBS Institute of Trauma

**DEPUTY MANAGER**  
Maintenance  
SMBS Institute of Trauma, Karachi

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**PROF. SADQA AETAB**  
Department of Anaesthesiology  
SMBS Institute of Trauma  
Dow University of Health Sciences

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03	<b>LOGO SIGNAGE AND ACRYLIC WORKS TRAUMA EMERGENCY RESPONSE CENTRE LARKANA</b>										
	Technical Specifications for Signage Project: Intensive Care Unit (ICU) – Chandka Medical College under the Management of SMBB Institute of Trauma Logo: SMBB Institute of Trauma										
	1. 3D Plastic & Acrylic Letters •Material: 4 mm thick Plastic Laser-Cut Acrylic Letters •Backing: 10 mm Foam with 2.5 inch wall thickness for raised profile •Finish: Smooth edges, white face with black shadow (or approved equivalent) •Logo: SMBB Institute of Trauma logo in 3D, matching institutional color scheme •Durability: Weather-resistant, UV-protected, non-fading surface										
	2. LED Waterproof Light Modules •Type: LED Waterproof Backlit Modules •Model: 5454 or approved equivalent •Efficiency: Energy-saving, uniform illumination without hotspots •Waterproof Rating: Minimum IP65 •Lifespan: Minimum 50,000 hours •Power Supply: Branded SMPS/driver with overload and short-circuit protection			M/s. Benchmark Corporation	The quoted sums shall be deemed to cover the complete scope of works on lump sum basis. Any minor variations, adjustments, or deficiencies identified during the execution of the works shall be rectified and complete by the contractor at the same agreed rates, without any additional cost or financial liability to the Procuring Agency.		3,884,000.00	3,884,000.00	1st	Approved	
	3. MS Pipe Framing •Structure: Mild Steel (MS) Pipe Framing with complete support structure •Protection: Anti-rust red oxide primer + two coats of enamel paint •Strength: Adequate bracing for wind resistance and long-term stability										
	4. Installation Works •Method: Secure fitting with MS brackets and fasteners (anchor bolts, screws, clamps) •Alignment: Leveling, centering, and proper positioning of letters/logo •Finish: Concealed wiring, neat joints, weather-sealed installation •Location: As directed by the client on site	1	Job								M/s. Benchmark Corporation
	5. Electrical Works •Wiring: Branded copper wiring with proper insulation (Pakistan Cables/GM or equivalent) •Power Supply: Adequate for installed LED load, including SMPS •Testing & Commissioning: Full operational testing before handover •Safety: Proper earthing, short-circuit protection, concealed junctions				1) 4mm Plastic Laser Cutting Letter 10mm Fomic Back Letter 2.5" Wall 5454 LED Module Light Water Proof 2) Intensive Care Unit CMCO Under the Management of SMBBIT Logo 3) Under the Management of SMBBIT Logo 4) Benazir Bhutto Panaflex Pic with Side SS Steel Sheet 5) Logo & SMBBIT MS Pipe Framing 1 by 2 Inch with Paint 6) Intensive Care Unit SMBBIT Logo 7) Logo of Government of Sindh 8) MS Pipe Framing 1 by 2 Inch with Paint All required work has been quoted on a lump-sum basis. Any minor variations, adjustments, or shortfalls identified during execution shall be carried out and rectified at the same rates, without any additional cost to the procuring agency.		4,000,000.00	4,000,000.00	2nd	Approved	
	General Conditions •Compliance: As per SPPRA rules and institutional procurement guidelines •Warranty: Minimum 12 months for LED modules, power supply units, and workmanship •Samples/Mock-up: To be submitted for approval before final execution •Completion: Turnkey basis including supply, fabrication, installation, and commissioning										
	7. Vendor Visit / Survey Requirement •Mandatory site visit and survey report prior to bid submission. •Report must be duly signed & stamped by the Deputy Manager Maintenance, SMBBIT. •Bids without survey report will not be considered for evaluation.										

Dr. M. Yousuf Memon  
 Consultant and Head of  
 Intervention and  
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M/s. Raza & Raza  
 Engineering

YMY

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 SMBB Institute of Trauma, Karachi

**SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE OF TRAUMA, KARACHI  
FINANCIAL & TECHNICAL EVALUATION  
COMPARATIVE STATEMENT**

**EPADS ID #**  
**TENDER REFERENCE #**  
**DATE & TIME OPENING OF PROPOSAL:**  
**TENDER TITLE:**

S-251095341  
PROC/SMBBIT(OTHERS-01)/2025-26  
11-11-2025 AT 10:30 AM  
**PROCUREMENT OF FIRE ALARM SYSTEM, LOGO KARACHI & LARKANA, SIGNAGE WORKS & REVERSE OSMOSIS (RO) PLANT**

S.#	Item Description	Tentative Qty.	U.O.M	Name of Company	Quoted Product Description / Make / Brand Name	Country of Origin	Unit Price	Total Price	End User Remarks	Ranking	Successful Bidder
04	<b>REVERSE OSMOSIS (RO) PLANT</b>  Technical Specifications Work Title: Supply, Installation, Testing & Commissioning of Reverse Osmosis (RO) Plant Capacity: 10,000 USGPD Design Feed Water TDS: Up to 4000 ppm  1. Scope of Work The scope includes: •Design, Supply & Installation of a complete skid-mounted Reverse Osmosis (RO) Water Treatment Plant. •Testing, Commissioning & Handover of the system in fully functional condition. •Civil, Mechanical & Electrical Works required for installation and integration. •Training of Staff on operation, troubleshooting, and routine maintenance. •Provision of Operation & Maintenance Manuals and performance test certificates.  2. Technical Requirements 2.1 Plant Configuration •Capacity: 10,000 USGPD (approx. 38,000 liters per day). •Design Feed Water TDS: Up to 4000 ppm. •Recovery Rate: Minimum 45-50% (adjustable as per feed quality). •System Type: Skid-mounted, fully automated with PLC/Controller. 2.2 Major Components 1. Pre-Treatment System oMulti-media filter (sand, gravel, anthracite). oActivated carbon filter for chlorine & organics removal. oMicon cartridge filter (5 micron). oChemical dosing system (antiscalant, chlorine, pH adjustment). 2. High-Pressure Pump oStainless steel (SS 316) multistage centrifugal ptmp. oSuitable for continuous operation and designed for feed TDS up to 4000 ppm. 3. RO Membranes oPolyamide thin-film composite membranes. oBrand: DOW/ Hydranautics/ Toray or approved equivalent. oArray designed to achieve required recovery & salt rejection. 4. Pressure Vessels oFRP/SS high-pressure membrane housings (ANSI/ASME rated). 5. Control System oPLC/Automatic Control Panel with LCD/Touch Screen display. oParameters: TDS, pressure, flow, conductivity, and pH monitoring. oAutomatic shutdown/startup features. 6. Piping & Valves oHigh-pressure piping in SS 316. oLow-pressure piping in UPVC/HDPE. oBranded Valves with minimum PN 16 rating. 7. Electrical Works oBranded switchgear, cabling, and MCC. oProper earthing and safety protection.	1	Nos.	M/s. Raza & Raza Engineering	(Unit capacity 10,000 usgpd & design 4000tds)  1. Feed pump (10-4) 1pes 2. Multi media (16-65) 3pes 3. Carriage filter (5-20) 1pes 4. H.p pump (5-16) 1pes 5. Membrane vessel (300)psi 2pes 6. Membrane 2pes 7. Skit S/S 8. Pvc fitting shedoul 80 low pressure area 9. S.S fitting hi pressure area 10. Rota metter 2 pes 11. TDS metter 3pes 12. Electric penal auto 1pes 13. Pressure gages 5pes 14. Sand & carbon 15. Cip pump (10-4) 1pes 16. Cip tank (200)ltrs 1pes 17. Dosing pump & tank 2pes 18. U-V light 1pes 19. Orzinator 1pes 20. D-I water pump (5-5) 1pes 21. Product tank (3000)ltrs 1pes 22. D-I water tank (1500)ltrs 1pes 23. Drinking water tank (1000)ltrs 24. Electric cabiling for R.O plant 25. Convince Reant  All required work is quoted on a Lump-sum basis. Any additional work, if required, will be carried out at the same rates.  All required work has been quoted on a lump-sum basis. Any minor variations, adjustments, or shortfalls identified during execution shall be carried out and rectified at the same rates, without any additional cost to the procuring agency.		6,804,000.00	6,804,000.00	1st	Approved	M/s. Raza & Raza Engineering

**MANAGER**  
SUPPLY CHAIN MANAGER  
SMBB Institute of Trauma

**MUHAMMAD SHAHEEM**  
Pharmacist  
SMBB Institute of Trauma

**HAMMAD HUSSAIN**  
Biomedical Engineer  
SMBB Institute of Trauma

**DEPUTY MANAGER**  
Maintenance  
SMBB Institute of Trauma, Karachi

**PROF. SADOA AFTAB**  
Department of Anesthesia  
SMBB Institute of Trauma  
Dow University of Health Sciences

**Dr. M. Yousuf Memon**  
Consultant and Head of  
Interventional Radiology  
MBBS, DMRD, FRCP, A, EDIR, VIM  
SMBB Institute of Trauma Karachi

**DR. SYED**  
Consultant  
Head  
Trauma  
SMBB Institute of Trauma

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3.	<b>Installation &amp; Commissioning</b> •Site preparation, foundation, anchoring, and pipework. •Water connection to New ICU building work included. •Electrical cabling and connections from MCC panel to equipment. •Testing of all components for pressure, leakage, and performance. •Commissioning and trial operation of the complete plant.										
4.	<b>Documentation &amp; Training</b> •Operation & Maintenance (O&M) Manuals. •As-built drawings (mechanical, electrical & P&I diagrams). •Training of operating staff at site. •Performance test certificate issued after successful trial run.										
5.	<b>Warranty &amp; After-Sales Support</b> •Warranty: Minimum 01 year for all supplied equipment against manufacturing defects. •After-Sales Support: oVendor to ensure 24/7 service support. oLocal availability of spares and consumables. oResponse time not exceeding 24 hours.			vs. Benchmark Corporat	The quoted sums shall be deemed to cover the complete scope of works on lump sum basis. Any minor variations, adjustments, or deficiencies identified during the execution of the works shall be rectified and complete by the contractor at the same agreed rates, without any additional cost or financial liability to the Procuring Agency.		7,000,000.00	7,000,000.00	2nd	Approved	
6.	<b>Site Survey (Mandatory)</b> •All bidders must conduct a detailed site survey before bid submission. •Survey report must be signed & stamped by the Deputy Manager (Maintenance), SMBBIT. •Bids without a site survey report will be rejected at evaluation stage.										
7.	<b>General Conditions</b> •Compliance: All equipment must conform to international standards (ANSI/ASME/ASTM/ISO). •Approval: All drawings, makes, and models to be approved by the Engineer Incharge prior to execution. •Completion: Turnkey delivery, plant to be handed over in running condition.										

**Dr. M. Yousuf Memon**  
Consultant and Head of  
Interventional Radiology  
MBBS, DMRD, FRCP(A), EDIR VIR  
SMBB Institute of Trauma Karachi  
Member - PC  
HOD Interventional Radiology,  
SMBB Institute of Trauma, Karachi

**MR. BILAL IDREES**  
Member - PC  
Manager  
Supply Chain Management,  
SMBB Institute of Trauma, Karachi

**SUPPLY CHAIN MANAGEMENT**  
SMBB Institute of Trauma, Karachi

**PROF. DR. SADIQA AFTAB**  
Chairperson - PC  
HOD ICU & Anesthesiology Department,  
SMBB Institute of Trauma, Karachi  
Dow University of Health Sciences

**MR. SYED AKMAL SULTAN**  
Member - PC  
HOD Orthopaedic Department,  
SMBB Institute of Trauma, Karachi

**HAMMAD HUSSAIN**  
Member - PC  
Bio-Medical Engineer,  
SMBB Institute of Trauma, Karachi

**PROF. DR. BADARUDDIN SAHITO**  
Member - PC  
Professor of Orthopaedic,  
Dow University Health of Sciences & Dr Ruth K M PFau,  
Civil Hospital, Karachi

**MUHAMMAD FAHEEM**  
Member - PC  
Sr. Pharmacist,  
SMBB Institute of Trauma, Karachi