

# SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE OF TRAUMA, KARACHI

## BIDS EVALUATED ON MOST ADVANTAGEOUS BID BASIS

### Technical Evaluation Criteria (Mandatory)

PPMS ID # T00518-22-0005  
TENDER REFERENCE # PROC/SMBBIT/(P&M-03)/2022-23  
DATE & TIME OPENING OF TECHNICAL PROPOSAL: 02-03-2023 AT 11:30 AM

TENDER TITLE: **PROCUREMENT OF MACHINERY & EQUIPMENT WITH SUPPLY, INSTALLATION, TESTING & COMMISSIONING& CARPENTER / CIVIL WORKS FOR PHYSIOTHERAPY / REHABILITATION DEPARTMENT**

S.#	List of Documents	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
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. 1. Attached authorized person CNIC copy. 2. Signed & stamped each and every page of Terms & Condition & all bidding documents. (If above points compliance not found offer will be rejected).	Attached	Attached
2	Should be registered with Income Tax Department (Valid / Active NTN Certificate must be attached).	Attached	Attached
3	DRAP license showing importer of medical devices. (Where applicable)	ELI-00421 (30-05-2024)	ELI-00427 (26-05-2024)
4	Copy of Professional Tax 2022-23 (Attach Copy of Valid Certificate)	Attached	Attached
5	Copy of Registration Certificate of General Sales Tax. (Attach Copy of Valid Certificate).	Attached	Attached
6	PNRA Registration Certificate (Where Applicable)	Attached	Attached
7	Valid Copy of 2021-22 Financial year paid Income tax and return	Attached	Attached
8	Audited Financial Statement (Last 3 Years)	Attached	Attached
9	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) (ANNEX-F)	Attached	Attached
10	Bidder already providing services at SMBB-IT, Karachi should obtain & attach a satisfactory performance certificate from competent authority of SMBB Institute of Trauma, Karachi(for the financial year in which the bidder last provided its services).	Attached	Attached
11	Copy of Pay order / Bank Draft of Bid security should be attached along With bidding document in Technical Proposal without showing the amount.	Attached	Attached
12	Soft Copy (USB) containing all documents and forms(In Excel/DOC format Only) (Soft copy in a CD or DVD is not acceptable.)	Attached	Attached
13	Item-wise / Feature-wise product compliance / deviation statement must be attached	Attached	Attached
14	Confirm delivery period must be specified	Attached	Attached
15	Tender Purchase / Online	Attached	Attached

DR. GHULAM FATIMA  
Member - PC  
Chief Pathologist  
Dr. Ruth K. M. Pfau  
Civil Hospital Karachi

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

MR. GHULAM FATIMA  
Member - PC  
Chief Pathologist  
Dr. Ruth K. M. Pfau  
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MR. HAMMAD HUSSAIN  
Member - PC  
Bio-Medical Engineer  
SMBB Institute of Trauma, Karachi

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Chairperson, PC  
HOD ICU & Anesthesiology Department,  
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Deputy Secretary (P&M&I)  
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PROF. SHAHRIVAR GHAZANFRAR  
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Professor of Surgery  
Department of Surgery  
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MR. MUHAMMAD FAHEEM  
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Pharmacist  
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### TECHNICAL EVALUATION

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Item #: 01

Name of Item: **Physiotherapy High Examination Couches**

Quantity Required: **03 Units**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO	ENRAF NONIUS
<b>Model</b>	2-Section Couch	Manumed Optimal 2-Section
<b>Specifications:</b>		
- 2-Section (up to 4 Adjustable sections)	✓	✓
- Nose Hole Including Plug	✓	✓
- Height Adjustment (Electric)	✓	✓
- Lifting Capacity (Max 200 Kg or more)	✓	✓
- Safety Switch	✓	✓
- Lockable Castor	✓	✓
- and other standard accessories	✓	✓
<b>Power Requirement:</b>		
1. Line voltages: 220-240VAC	✓	✓
2. Line Frequency: 50/60 Hz	✓	✓
<b>Mandatory Requirement for all above mentioned item:</b>		
<b>Certification:</b>		
System should have Certification FDA 510(k)/CE (MDD)/JIS/MILW/JQAO	✓	✓
<b>COUNTRY OF ORIGIN:</b>		
System should be from UK / USA / EUROPE / JAPAN OR EQUIVALENT	✓	✓
<b>Warranty and Maintenance Period:</b>		
1. <b>Warranty Period required 3 years</b> with maintenance and parts replacement.	✓	✓
2. All the parts are included in the warranty. (LCD, Keypad, Battery, Hand or foot control, and all others parts are included)	✓	✓
3. PPM must be done according to the OEM criteria in warranty period.	✓	✓
4. 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.	✓	×
5. Required surety of service support and parts from the manufacturer, in case of transfer agency / distributor via undertaking by O.E.M.	✓	×
6. Up-time guarantee during warranty period must be 90-95%.	✓	

MANAGER  
SUPPLY CHAIN MANAGEMENT  
SMBB Institute of Trauma, Karachi

DR. GHULAM FATIMA  
Chief Consultant Physiotherapist  
C.H.K Central Lab  
Dr. Ruth K.M. Afru  
Civil Hospital Karachi

HAMMAD MUSSAIN  
Biomedical Engineer  
SMBB Institute of Trauma

PROF. SADQA AFTAB  
Department Of Anesthesia & Int.  
SMBB Institute Of Trauma  
Now University of Health Sciences

MUHAMMAD FAHEEM  
Pharmacist  
SMBB Institute of Trauma



Name of Item: **Physiotherapy High Examination Couches**Quantity Required: **03 Units**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO	ENRAF NONIUS
<b>Model</b>	2-Section Couch	Manumed Optimal 2-Section
7. Response to breakdown during and after warranty period must be 1-31 hours.	✓	✓
<b>8. Down Time:</b>		
If equipment is malfunctioning or not working properly then down time period would start i.e., if machine remain out of order for more than one day; then one and half day increase in contract of concerned equipment will be charged but if any part required from manufacturer, then downtime period not calculated for a month but after a month the down time should be calculated, are mentioned below;	✓	✓
<b>90% → No Down Time</b>	✓	✓
<b>Below 90% → 1.5 days increase daily</b>	✓	✓
<b>Below 75% → 3.5 days increase daily</b>	✓	✓
<b>Below 50% → 5 days increase daily</b>	✓	✓
<b>Trainings &amp; Manual:</b>		
1. Operating and service manual with troubleshooting and circuit diagram must be provided.	✓	✓
2. In house operator training session for end user.	✓	✓
3. In house service training session by Principal Certified resource	✓	✓
4. Trained Service Engineers with certification from the principle, Karachi based mandatory.	✓	✓
<b>Note: Cart should be quoted OEM original, if bidder want to quote local cart than quoted prices should be optional.</b>	✓	✓
<b>Supply, Installation, Testing, Commissioning and Maintenance (Including all type of work for the completion of the installation) are the responsibility of awarded firm/supplier).</b>	✓	✓
1. Fully compliant with the required tender specifications (Product demonstration, previous technical/support experience of the product/firm may also be considered for technical evaluation) <b>40 Marks</b>	<b>40</b>	<b>0 (Disqualified)</b>
2. Compliant with minor deviation (up to 10 % subject to main function is not affected) <b>30 Marks</b>		
3. Above 10% / Non-compliant to required specifications. <b>(Disqualified).</b>		

**DR. GHULAM FATIMA**  
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Dr. Ruth K.M Pfau  
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Member - PC  
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Item #: 02

Name of Item: **Physiotherapy High Examination Couches**

Quantity Required: **02 Units**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO	ENRAF NONIUS
<b>Model</b>	3-Section Couch	Manumed Optimal 3-Section
<b>Specifications:</b>		
- 3-Section (up to 5 Adjustable sections)	✓	✓
- Nose Hole Including Plug	✓	✓
- Height Adjustment (Electric)	✓	✓
- Lifting Capacity (Max 200 Kg or more)	✓	✓
- Safety Switch	✓	✓
- Lockable Castor	✓	✓
- and other standard accessories	✓	✓
<b>Power Requirement:</b>		
1. Line voltages: 220-240VAC	✓	✓
2. Line Frequency: 50/60 Hz	✓	✓
<b>Mandatory Requirement for all above mentioned item:</b>		
<b>Certification:</b>		
System should have Certification FDA 510(k)/CE (MDD)/JIS/MHLW/JQAO	✓	✓
<b>COUNTRY OF ORIGIN:</b>		
System should be from UK / USA / EUROPE / JAPAN OR EQUIVALENT	✓	✓
<b>Warranty and Maintenance Period:</b>		
1. Warranty Period required 3 years with maintenance and parts replacement.	✓	✓
2. All the parts are included in the warranty. (LCD, Keypad, Battery, Hand or foot control, and all others parts are included)	✓	✓
3. PPM must be done according to the OEM criteria in warranty period.	✓	✓
4. 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.	✓	✓
5. Required surety of service support and parts from the manufacturer, in case of transfer agency / distributor via O.E.M.	✓	✓
6. Up-time guarantee during warranty period must be 90-95%	✓	✓
7. Response to breakdown during and after warranty period must be 1-3 Hours.	✓	✓

**SUPPLY CHAIN MANAGEMENT**  
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**HAMMAD HUSSAIN**  
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Department Of Anesthesia & ICU  
SMBB Institute Of Trauma  
Dow University Of Health Sciences

**MUHAMMAD FAHEEM**  
Pharmacist  
SMBB Institute of Trauma



Item #: 02

Name of Item: **Physiotherapy High Examination Couches**

Quantity Required: **02 Units**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO	ENRAF NONIUS
<b>Model</b>	3-Section Couch	Manumed Optimal 3-Section
<b>8. Down Time:</b> If equipment is malfunctioning or not working properly then down time period would start i.e., if machine remain out of order for more than one day; then one and half day increase in contract of concerned equipment will be charged but if any part required from manufacturer, then downtime period not calculated for a month but after a month the down time should be calculated, are mentioned below;	✓	✓
<b>90% → No Down Time</b>	✓	✓
<b>Below 90% → 1.5 days increase daily</b>	✓	✓
<b>Below 75% → 3.5 days increase daily</b>	✓	✓
<b>Below 50% → 5 days increase daily</b>	✓	✓
<b>Trainings &amp; Manual:</b>		
1. Operating and service manual with troubleshooting and circuit diagram must be provided.	✓	✓
2. In house operator training session for end user.	✓	✓
3. In house service training session by Principal Certified resource	✓	✓
4. Trained Service Engineers with certification from the principle, Karachi based mandatory.	✓	✓
<b>Note: Cart should be quoted OEM original, if bidder want to quote local cart than quoted prices should be optional.</b>	✓	✓
<b>Supply, Installation, Testing, Commissioning and Maintenance (Including all type of work for the completion of the installation) are the responsibility of awarded firm/supplier).</b>	✓	✓
1. Fully compliant with the required tender specifications (Product demonstration, previous technical/support experience of the product/firm may also be considered for technical evaluation) <b>40 Marks</b>	<b>40</b>	<b>0 (Disqualified)</b>
2. Compliant with minor deviation (up to 10 % subject to main function is not affected) <b>30 Marks</b>		
3. Above 10% / Non-compliant to required specifications. <b>(Disqualified).</b>		

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Karachi

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Item #: 03

Name of Item: Combination therapy with trolley

Quantity Required: 01 Unit

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO	ENRAF NONIUS
<b>Model</b>	EMS 860	Sonoplus 492
<b>Specifications:</b>		
High Resolution Touch Screen 4 to 7 inch or more	✓	✓
User defined protocols memories: 100 or more	ve-	✓
Pre-programmed clinical protocols: 20 or more	ve-	✓
Import / Export Capability	ve-	✓
Treatment Data Storage	✓	✓
Ultrasound		
Frequencies = 1 and 3 Mhz,	✓	✓
Ultrasound Continues and Pulse	✓	✓
Pulse Frequency up to 100 Hz, Duty Cycle = 20-80% or better, Number of ultrasound connection = 1 or more, Intensity = 2 W/Cm2 in continues or better and 3 W/Cm2 in Pulse or better	ve-	✓
<b>Electrotherapy</b>		
Channel: 2 or more	✓	✓
Timer: 1-30 min	✓	✓
Current type/waveform: 13 or more		✓
- Rechargeable Battery with Charger	✓	✓
<b>Accessories:</b>		
- Electrodes, Leads, Straps, Ultrasound Applicator, Gel Bottle, Power Cord, User Manual, Cart with Storage Drawer and Custom Carry Case.	✓	✓
<b>Power Requirement:</b>		
1. Line voltages: 220-240VAC	✓	✓
2. Line Frequency: 50/60 Hz	✓	✓
<b>Mandatory Requirement for all above mentioned item:</b>		
<b>Certification:</b>		
System should have Certification FDA 510(k)/CE (MDD)/JIS/MHLW/IOAO	✓	
<b>COUNTRY OF ORIGIN:</b>		
System should be from UK / USA / EUROPE / JAPAN OR EQUIVALENT	✓	

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C.H.K Central Lab  
Dr. Ruth K.M Pfau  
Civil Hospital Karachi



Item #: 03

Name of Item: **Combination therapy with trolley**

Quantity Required: **01 Unit**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO	ENRAF NONIUS
<b>Model</b>	EMS 860	Sonoplus 492
<b>Warranty and Maintenance Period:</b>		
1. <b>Warranty Period required 3 years</b> with maintenance and parts replacement.	✓	✓
2. All the parts are included in the warranty. (LCD, Keypad, Battery, Hand or foot control, and all others parts are included)	✓	✓
3. PPM must be done according to the OEM criteria in warranty period.	✓	✓
4. 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.	✓	✗
5. Required surety of service support and parts from the manufacturer, in case of transfer agency / distributor via undertaking by O.E.M.	✓	✗
6. Up-time guarantee during warranty period must be 90-95%.	✓	✓
7. Response to breakdown during and after warranty period must be 1-3Hours.	✓	✓
<b>8. Down Time:</b>		
If equipment is malfunctioning or not working properly then down time period would start i.e., if machine remain out of order for more than one day; then one and half day increase in contract of concerned equipment will be charged but if any part required from manufacturer, then downtime period not calculated for a month but after a month the down time should be calculated, are mentioned below;	✓	✓
<b>90% → No Down Time</b>	✓	✓
<b>Below 90% → 1.5 days increase daily</b>	✓	✓
<b>Below 75% → 3.5 days increase daily</b>	✓	✓
<b>Below 50% → 5 days increase daily</b>	✓	✓
<b>Trainings &amp; Manual:</b>		
1. Operating and service manual with troubleshooting and circuit diagram must be provided.	✓	✓
2. In house operator training session for end user.	✓	✓
3. In house service training session by Principal Certified resource	✓	✓
4. Trained Service Engineers with certification from the principle, Karachi based mandatory.	✓	✓
<b>Note: Cart should be quoted OEM original, if bidder want to quote local cart than quoted prices should be optional.</b>	✓	✓

**HAMMAD HUSSAIN**  
Biomedical Engineer  
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Civil Hospital Karachi



Item #: 03

Name of Item: **Combination therapy with trolley**

Quantity Required: **01 Unit**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PIYSIO	ENRAF NONIUS
<b>Model</b>	EMS 860	Sonoplus 492
<b>Supply, Installation, Testing, Commissioning and Maintenance (Including all type of work for the completion of the installation) are the responsibility of awarded firm/supplier).</b>	✓	✓
<b>1. Fully compliant with the required tender specifications (Product demonstration, previous technical/support experience of the product/firm may also be considered for technical evaluation) 40 Marks</b> <b>2. Compliant with minor deviation (up to 10 % subject to main function is not affected) 30 Marks</b> <b>3. Above 10% / Non-compliant to required specifications. (Disqualified).</b>	<b>30</b>	<b>0 (Disqualified)</b>

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Item #: 04

Name of Item: **Portable EMS Machine**

Quantity Required: **03 Units**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO	ENRAF NONIUS
<b>Model</b>	EMS 970	Endomed 482
<b>Specifications:</b>		
High Resolution Touch Screen 4 to 7 inch or more	✓	✓
Channels: 2 or more	✓	✓
Current type/waveform: 13 or more	✓	✓
Peak current: 100 mA or more	✓	✓
Operation :Constant voltage and constant current	✓	✓
Preset programming: 25 or more	ve-	✓
Memorable program: 100 or more	ve-	✓
Timer: 1-30 min or more	✓	✓
- Rechargeable Battery with Charger	✓	✓
<b>Accessories:</b>		
- Electrodes, Leads, Straps, Ultrasound Applicator, Gel Bottle, User Manual, Cart with Storage Drawer and Custom Carry Case	✓	✓
<b>Power Requirement:</b>		
1. Line voltages: 220-240VAC	✓	✓
2. Line Frequency: 50/60 Hz	✓	✓
<b>Mandatory Requirement for all above mentioned item:</b>		
<b>Certification:</b>		
System should have Certification FDA 510(k)/CE (MDD)/JIS/MHLW/JQAO	✓	✓
<b>COUNTRY OF ORIGIN:</b>		
System should be from UK / USA / EUROPE / JAPAN OR EQUIVALENT	✓	✓
<b>Warranty and Maintenance Period:</b>		
1. <b>Warranty Period required 3 years</b> with maintenance and parts replacement.	✓	✓
2. All the parts are included in the warranty. (LCD, Keypad, Battery, Hand or foot control, and all others parts are included)	✓	✓
3. PPM must be done according to the OEM criteria in warranty period.	✓	✓

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

**DR. GHULAM FATIMA**  
Chief Consultant Pathologist  
C.H.K Central Lab  
Dr. Ruth K.M Pfau  
Civil Hospital Karachi

**SUPPLY CHAIN MANAGEMENT**  
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Dow Medical College & Civil Hospital  
Dow University of Health Sciences

**PROF. SADQA AFTAB**  
Department Of Anesthesia & ICU  
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Dow University of Health Sciences

**MUHAMMAD FAHEEM**  
Pharmacist  
SMBB Institute of Trauma



Name of Item: **Portable EMS Machine**Quantity Required: **03 Units**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO	ENRAF NONIUS
<b>Model</b>	EMS 970	Endomed 482
4. 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.	✓	✗
5. Required surety of service support and parts from the manufacturer, in case of transfer agency / distributor via undertaking by O.E.M.	✓	✗
6. Up-time guarantee during warranty period must be 90-95%.	✓	✓
7. Response to breakdown during and after warranty period must be 1-3Hours.	✓	✓
<b>8. Down Time:</b> If equipment is malfunctioning or not working properly then down time period would start i.e., if machine remain out of order for more than one day; then one and half day increase in contract of concerned equipment will be charged but if any part required from manufacturer, then downtime period not calculated for a month but after a month the down time should be calculated, are mentioned below; 90% → No Down Time Below 90% → 1.5 days increase daily Below 75% → 3.5 days increase daily Below 50% → 5 days increase daily <b>Trainings &amp; Manual:</b> 1. Operating and service manual with troubleshooting and circuit diagram must be provided. 2. In house operator training session for end user. 3. In house service training session by Principal Certified resource 4. Trained Service Engineers with certification from the principle, Karachi based mandatory. <b>Note: Cart should be quoted OEM original, if bidder want to quote local cart than quoted prices should be optional.</b> <b>Supply, Installation, Testing, Commissioning and Maintenance (Including all type of work for the completion of the installation) are the responsibility of awarded firm/supplier).</b>	✓	✓
1. Fully compliant with the required tender specifications (Product demonstration, previous technical/support experience of the product/firm may also be considered for technical evaluation) <b>40 Marks</b> 2. Compliant with minor deviation (up to 10 % subject to main function is not affected) <b>30 Marks</b> 3. Above 10% / Non-compliant to required specifications. <b>(Disqualified).</b>	30	0 (Disqualified)

DR. GHULAM FATIMA  
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Dr. Ruth K. M Pfau  
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MR. BILAL KHAN  
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# SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE OF TRAUMA, KARACHI

BIDS EVALUATED ON MOST ADVANTAGEOUS BID BASIS

## TECHNICAL EVALUATION

PPMS ID #

T00518-22-0005

TENDER REFERENCE #

PROC/SMBBIT/(P&M-03)/2022-23

DATE & TIME OPENING OF TECHNICAL PROPOSAL:

02-03-2023 AT 11:30 AM

TENDER TITLE:

PROCUREMENT OF MACHINERY & EQUIPMENT WITH SUPPLY, INSTALLATION, TESTING & COMMISSIONING& CARPENTER / CIVIL WORKS FOR PHYSIOTHERAPY / REHABILITATION DEPARTMENT

Item #: 05

Name of Item: **Portable TENS Machine**

Quantity Required: **03 Units**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO ITO - Japan	ENRAF NONIUS
<b>Model</b>	I20Z	TensMed S82
<b>Specifications:</b>		
Channel 2 or More	✓	✓
Pulse Amplitude (mA): 1 to 99 or better	ve-	✓
Frequency (Hz): 1 to 120 or better	✓	✓
Pulse duration: up to 200 µs or more	✓	✓
Modes: 3 or more (Constant, Burst, Modulation or more)	✓	✓
Rechargeable Battery with Charger	ve-	✓
<b>Accessories:</b>		
- Cable, User Manual, Pouch, Necklace and Clip, Flip able Belt Clip, Cart with Storage Drawer and Custom Carry Case	✓	✓
<b>Power Requirement:</b>		
1. Line voltages: 220-240VAC	✓	✓
2. Line Frequency: 50/60 Hz	✓	✓
<b>Mandatory Requirement for all above mentioned item:</b>		
<b>Certification:</b>		
System should have Certification FDA 510(k)/CE (MDD)/JIS/MHLW/JQAO	✓	✓
<b>COUNTRY OF ORIGIN:</b>		
System should be from UK / USA / EUROPE / JAPAN OR EQUIVALENT	✓	✓
<b>Warranty and Maintenance Period:</b>		
1. <b>Warranty Period required 3 years</b> with maintenance and parts replacement.	✓	✓
2. All the parts are included in the warranty. (LCD, Keypad, Battery, Hand or foot control, and all others parts are included)		
3. PPM must be done according to the OEM criteria in warranty period.	✓	✓

**MANAGER**  
SUPPLY CHAIN MANAGEMENT  
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Karachi.

**DR. GHULAM FATIMA**  
Chief Consultant Pathologist  
C.H.K Central Lab  
Dr. Ruth K.M Pfau  
Civil Hospital Karachi



Name of Item: **Portable TENS Machine**Quantity Required: **03 Units**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO ITO - Japan	ENRAF NONIUS
<b>Model</b>	120Z	TensMed S82
4. 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.	✓	✗
5. Required surety of service support and parts from the manufacturer, in case of transfer agency / distributor via undertaking by O.E.M.	✓	✗
6. Up-time guarantee during warranty period must be 90-95%.	✓	✓
7. Response to breakdown during and after warranty period must be 1-3Hours.	✓	✓
<b>8. Down Time:</b>		
If equipment is malfunctioning or not working properly then down time period would start i.e., if machine remain out of order for more than one day; then one and half day increase in contract of concerned equipment will be charged but if any part required from manufacturer, then downtime period not calculated for a month but after a month the down time should be calculated, are mentioned below;	✓	✓
90% → No Down Time	✓	✓
Below 90% → 1.5 days increase daily	✓	✓
Below 75% → 3.5 days increase daily	✓	✓
Below 50% → 5 days increase daily	✓	✓
<b>Trainings &amp; Manual:</b>		
1. Operating and service manual with troubleshooting and circuit diagram must be provided.	✓	✓
2. In house operator training session for end user.	✓	✓
3. In house service training session by Principal Certified resource	✓	✓
4. Trained Service Engineers with certification from the principle, Karachi based mandatory.	✓	✓
<b>Note: Cart should be quoted OEM original, if bidder want to quote local cart than quoted prices should be optional.</b>	✓	✓
<b>Supply, Installation, Testing, Commissioning and Maintenance (Including all type of work for the completion of the installation) are the responsibility of awarded firm/supplier).</b>	✓	✓
1. Fully compliant with the required tender specifications (Product demonstration, previous technical/support experience of the product/firm may also be considered for technical evaluation) <b>40 Marks</b>	30	0 (Disqualified)
2. Compliant with minor deviation (up to 10 % subject to main function is not affected) <b>30 Marks</b>		
3. Above 10% / Non-compliant to required specifications. <b>(Disqualified).</b>		

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**MR. BILAL FOREES**  
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Pharmacist  
SMBB Institute of Trauma



# SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE OF TRAUMA, KARACHI

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### TECHNICAL EVALUATION

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Item #: 06

Name of Item: Therapeutic Ultrasound Machine with Trolley

Quantity Required: 01 Unit

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO	ENRAF NONIUS
<b>Model</b>	EMS 460	Sonoplus 490
<b>Specifications:</b>		
High Resolution Touch Screen 4 to 7 inch or more	✓	✓
User defined protocols memories: 100 or more	ve-	✓
Pre-programmed clinical protocols: 20 or more	ve-	✓
Import / Export Capability	ve-	✓
Treatment Data Storage	✓	✓
<b>Ultrasound</b>		
Frequencies = 1 and 3 Mhz,	✓	✓
Ultrasound Continues and Pulse	✓	✓
Pulse Frequency up to 100 Hz, Duty Cycle = 20-80% or better, Number of ultrasound connection = 1 or more, Intensity = 2 W/Cm2 in continues or better and 3 W/CM2 in Pulse or better	ve-	✓
<b>Accessories:</b>		
- Cart with storage drawer and Lockable Castor, Ultrasound Applicator, Gel, Power Cord, User Manual and Carry Case	✓	✓
<b>Power Requirement:</b>		
1. Line voltages: 220-240VAC	✓	✓
2. Line Frequency: 50/60 Hz	✓	✓
<b>Mandatory Requirement for all above mentioned item:</b>		
<b>Certification:</b>		
System should have Certification FDA 510(k)/CE (MDD)/JIS/MHLW/JQAO	✓	✓
<b>COUNTRY OF ORIGIN:</b>		
System should be from UK / USA / EUROPE / JAPAN OR EQUIVALENT	✓	✓
<b>Warranty and Maintenance Period:</b>		
1. Warranty period required 3 years with maintenance and parts replacement.	✓	✓
2. All the parts are included in the warranty. (LCD, Keypad, Battery, Hand or foot control and all others parts are included)	✓	✓
3. All the parts must be done according to the OEM criteria in warranty period.	✓	✓

DR. GHULAM FATIMA  
Chief Consultant, Physiotherapy  
C.H.K. Central Hospital  
Dr. Ruth K. Bhatti  
Civil Hospital Karachi

MANAGER  
SUPPLY CHAIN MANAGEMENT  
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MRCS Ed. U.K.  
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Dow University of Health Sciences

MUHAMMAD FAHEEM  
Pharmacist  
SMBB Institute of Trauma



Name of Item: **Therapeutic Ultrasound Machine with Trolley**

Quantity Required: **01 Unit**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO	ENRAF NONIUS
<b>Model</b>	EMS 460	Sonoplus 490
4. 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.	✓	✗
5. Required surety of service support and parts from the manufacturer, in case of transfer agency / distributor via undertaking by O.E.M.	✓	✗
6. Up-time guarantee during warranty period must be 90-95%.	✓	✓
7. Response to breakdown during and after warranty period must be 1-3Hours.	✓	✓
<b>8. Down Time:</b>		
If equipment is malfunctioning or not working properly then down time period would start i.e., if machine remain out of order for more than one day; then one and half day increase in contract of concerned equipment will be charged but if any part required from manufacturer, then downtime period not calculated for a month but after a month the down time should be calculated, are mentioned below;	✓	✓
90% → No Down Time	✓	✓
Below 90% → 1.5 days increase daily	✓	✓
Below 75% → 3.5 days increase daily	✓	✓
Below 50% → 5 days increase daily	✓	✓
<b>Trainings &amp; Manual:</b>		
1. Operating and service manual with troubleshooting and circuit diagram must be provided.	✓	✓
2. In house operator training session for end user.	✓	✓
3. In house service training session by Principal Certified resource	✓	✓
4. Trained Service Engineers with certification from the principle, Karachi based mandatory.	✓	✓
<b>Note: Cart should be quoted OEM original, if bidder want to quote local cart than quoted prices should be optional.</b>	✓	✓
<b>Supply, Installation, Testing, Commissioning and Maintenance (Including all type of work for the completion of the installation) are the responsibility of awarded firm/supplier).</b>	✓	✓
1. Fully compliant with the required tender specifications (Product demonstration, previous technical/support experience of the product/firm may also be considered for technical evaluation) <b>40 Marks</b>	30	0 (Disqualified)
2. Compliant with minor deviation (up to 10 % subject to main function is not affected) <b>30 Marks</b>		
3. Above 10% / Non-compliant to required specifications. (Disqualified).		

**DR. GHULAM FATIMA**  
Consultant Pathologist  
Member - PC  
C.H.K Central Lab  
Chief Pathologist  
Dr. Ruth K.M Pfau  
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# SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE OF TRAUMA, KARACHI

## BIDS EVALUATED ON MOST ADVANTAGEOUS BID BASIS

### TECHNICAL EVALUATION

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Item #: 07

Name of Item: **Hydrocolator Machine**

Quantity Required: 01 Unit

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO	ENRAF NONIUS
<b>Model</b>	LNC 410	WB 8-90
<b>Specifications:</b>		
Tank Capacity: 70 Liter or more	✓	✓
Number of bars (Insert Grid): 3 or more	✓	✓
Number of Packs (Possible): 10 or more	✓	✓
Gas Spring Supported Lid	✓	✓
Temperature Range: 35-85 °C or better	✓	✓
Temperature Control = Electronic	✓	✓
Digital Temperature Display	✓	✓
Thermal Cut-Out (Safety): 95 °C	✓	✓
<b>Accessories:</b>		
- Cart with Drawer and lockable Castor, Power Cord, User Manual and Other Standard Accessories	✓	✓
<b>Power Requirement:</b>		
1. Line voltages: 220-240VAC	✓	✓
2. Line Frequency: 50/60 Hz	✓	✓
<b>Mandatory Requirement for all above mentioned item:</b>		
<b>Certification:</b>		
System should have Certification FDA 510(k)/CE (MDD)/JIS/MHLW/JQAO	✓	✓
<b>COUNTRY OF ORIGIN:</b>		
System should be from UK / USA / EUROPE / JAPAN OR EQUIVALENT	✓	✓
<b>Warranty and Maintenance Period:</b>		
1. Warranty Period required 3 years with maintenance and parts replacement.	✓	<b>DR. GHULAM FATIMA</b> Chief Consultant Pathologist C.H.K Central Lab Dr. Ruth K.M Pfau Civil Hospital Karachi
2. All the parts are included in the warranty. (LCD, Keypad, Battery, Hand or foot control, and all others parts are included)	✓	
3. PPM must be done according to the OEM criteria in warranty period.	✓	

**MANAGER**  
SUPPLY CHAIN MANAGEMENT  
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**HAMMAD HUSSAIN**  
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**PROF. SADQA AFTAB**  
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**Professor Shahriyar Ghazaniyar**  
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Department of Surgery  
Dow Medical College & Civil Hospital

**MUHAMMAD FAHEEM**  
Pharmacist  
SMBB Institute of Trauma



Name of Item: **Hydrocolator Machine**Quantity Required: **01 Unit**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO	ENRAF NONIUS
<b>Model</b>	LNC 410	WB 8-90
4. 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.	✓	✗
5. Required surety of service support and parts from the manufacturer, in case of transfer agency / distributor via undertaking by O.E.M.	✓	✗
6. Up-time guarantee during warranty period must be 90-95%.	✓	✓
7. Response to breakdown during and after warranty period must be 1-3Hours.	✓	✓
<b>8. Down Time:</b>		
If equipment is malfunctioning or not working properly then down time period would start i.e., if machine remain out of order for more than one day; then one and half day increase in contract of concerned equipment will be charged but if any part required from manufacturer, then downtime period not calculated for a month but after a month the down time should be calculated, are mentioned below;	✓	✓
90% → No Down Time	✓	✓
Below 90% → 1.5 days increase daily	✓	✓
Below 75% → 3.5 days increase daily	✓	✓
Below 50% → 5 days increase daily	✓	✓
<b>Trainings &amp; Manual:</b>		
1. Operating and service manual with troubleshooting and circuit diagram must be provided.	✓	✓
2. In house operator training session for end user.	✓	✓
3. In house service training session by Principal Certified resource	✓	✓
4. Trained Service Engineers with certification from the principle, Karachi based mandatory.	✓	✓
<b>Note: Cart should be quoted OEM original, if bidder want to quote local cart than quoted prices should be optional.</b>	✓	✓
<b>Supply, Installation, Testing, Commissioning and Maintenance (Including all type of work for the completion of the installation) are the responsibility of awarded firm/supplier).</b>	✓	✓
1. Fully compliant with the required tender specifications (Product demonstration, previous technical/support experience of the product/firm may also be considered for technical evaluation) <b>40 Marks</b>	40	0 (Disqualified)
2. Compliant with minor deviation (up to 10 % subject to main function is not affected) <b>30 Marks</b>		
3. Above 10% / Non-compliant to required specifications. <b>(Disqualified).</b>		

**DR. GHULAM FATIMA**  
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DR. GHULAM FATIMA  
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Chief Pathologist  
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Item #: 08

Name of Item: Traction Table with Cervical and Lumber Belts

Quantity Required: 01 Unit

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO ITO - Japan	ENRAF NONIUS
<b>Model</b>	TM400	Eltrac 471
<b>Specifications:</b>		
- Form of therapy: Static, Intermittent or more	✓	✓
- Traction force: 1 - 90 kg or better	✓	✓
-Timer: 1-60 min or better	✓	✓
- Programmable memory	✓	✓
- Clinical protocols	✓	✓
- Safety control for traction force: 20 kg or better	✓	✓
- Traction unit with High Resolution Touch Screen 4 to 7 inch or more	✓	✓
-adjustable height 50-90 cm or better traction table with patient lift 150 kg or more	✓	✓
<b>-Accessories:</b>		
Power Cord, User Manual, Patient safety switch, Cervical belt, Pelvic belt, Thoracic belt, Stool and power cord and Other Standard Accessories	✓	✓
<b>Power Requirement:</b>		
1. Line voltages: 220-240VAC	✓	✓
2. Line Frequency: 50/60 Hz	✓	✓
<b>Mandatory Requirement for all above mentioned item:</b>		
<b>Certification:</b>		
System should have Certification FDA 510(k)/CE (MDD)/JIS/MHLW/JQAO	✓	✓
<b>COUNTRY OF ORIGIN:</b>		
System should be from UK / USA / EUROPE / JAPAN OR EQUIVALENT	✓	✓
<b>Warranty and Maintenance Period:</b>		
1. Warranty Period required 3 years with maintenance and parts replacement.	✓	
2. All the parts are included in the warranty. (LCD, Keypad, Battery, Hand or foot control, and all others parts are included)	✓	
3. PPM must be done according to the OEM criteria in warranty period.	✓	

DR. GHULAM FATIMA  
Chief Consultant Pathologist  
C.H.K Central Lab  
Dr. Ruth K. M Pfau  
Civil Hospital Karachi

HAMMAD HUSSAIN  
Biomedical Engineer  
SMBB Institute of Trauma

PROF. SADQA AFTAB  
Department Of Anesthesia & ICU  
SMBB Institute Of Trauma  
Dow University Of Health Sciences

MUHAMMAD FAHEEM  
Pharmacist  
SMBB Institute of Trauma

MANAGER  
SUPPLY CHAIN MANAGEMENT  
SMBB Institute of Trauma, Karachi

Professor Shahriyar Ghazipour  
MRCS Ed, FCPS  
Department of Surgery  
Dow Medical College & Civil Hospital  
Dow University of Health Sciences  
Karachi



Name of Item: **Traction Table with Cervical and Lumber Belts**Quantity Required: **01 Unit**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO ITO - Japan	ENRAF NONIUS
<b>Model</b>	TM400	Eltrac 471
4. 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.	✓	✗
5. Required surety of service support and parts from the manufacturer, in case of transfer agency / distributor via undertaking by O.E.M.	✓	✗
6. Up-time guarantee during warranty period must be 90-95%.	✓	✓
7. Response to breakdown during and after warranty period must be 1-3Hours.	✓	✓
<b>8. Down Time:</b>		
If equipment is malfunctioning or not working properly then down time period would start i.e., if machine remain out of order for more than one day; then one and half day increase in contract of concerned equipment will be charged but if any part required from manufacturer, then downtime period not calculated for a month but after a month the down time should be calculated, are mentioned below;	✓	✓
90% → No Down Time	✓	✓
Below 90% → 1.5 days increase daily	✓	✓
Below 75% → 3.5 days increase daily	✓	✓
Below 50% → 5 days increase daily	✓	✓
<b>Trainings &amp; Manual:</b>		
1. Operating and service manual with troubleshooting and circuit diagram must be provided.	✓	✓
2. In house operator training session for end user.	✓	✓
3. In house service training session by Principal Certified resource	✓	✓
4. Trained Service Engineers with certification from the principle, Karachi based mandatory.	✓	✓
<b>Note: Cart should be quoted OEM original, if bidder want to quote local cart than quoted prices should be optional.</b>	✓	✓
<b>Supply, Installation, Testing, Commissioning and Maintenance (Including all type of work for the completion of the installation) are the responsibility of awarded firm/supplier).</b>	✓	✓
1. Fully compliant with the required tender specifications (Product demonstration, previous technical/support experience of the product/firm may also be considered for technical evaluation) <b>40 Marks</b>	40	0 (Disqualified)
2. Compliant with minor deviation (up to 10 % subject to main function is not affected) <b>30 Marks</b>		
3. Above 10% / Non-compliant to required specifications. <b>(Disqualified)</b>		

**DR. RUTH K.M. PFau**  
 Member - PC  
 Chief Consultant Pathologist  
 Dr. Ruth K.M. Pfau  
 Civil Hospital Karachi

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

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

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

**MR. MUHAMMAD IBRAHIM MEMON**  
 Member - PC  
 Deputy Secretary (PM&I),  
 Health Department, Govt. of Sindh

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

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

**PROF. SHARIYAR GHAZANFER**  
 Member - PC  
 Professor of Surgery,  
 Dow University of Health Sciences, Karachi



# SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE OF TRAUMA, KARACHI

## BIDS EVALUATED ON MOST ADVANTAGEOUS BID BASIS

### TECHNICAL EVALUATION

PPMS ID #

T00518-22-0005

TENDER REFERENCE #

PROC/SMBBIT/(P&M-03)/2022-23

DATE & TIME OPENING OF TECHNICAL PROPOSAL:

02-03-2023 AT 11:30 AM

TENDER TITLE:

PROCUREMENT OF MACHINERY & EQUIPMENT WITH SUPPLY, INSTALLATION, TESTING & COMMISSIONING & CARPENTER / CIVIL WORKS FOR PHYSIOTHERAPY / REHABILITATION DEPARTMENT

Item #: 09

Name of Item: Shortwave Diathermy Machine

Quantity Required: 01 Unit

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO	ENRAF NONIUS
<b>Model</b>	Mega Pulse Senior EMS 265	Curapuls 970
<b>Specifications:</b>		
- Generator Frequency: 27.12 MHz or better	✓	✓
- Output Power: continuous HF max. 400 W or better, Pulsed HF Max. 1000 W (peak) or better	✓	✓
- Pulse Duration: 400 micro second or better	✓	✓
- Pulse Repetition Frequency: 15 - 200 Hz or better	✓	✓
- High resolution color touch screen display	✓	✓
<b>Accessories:</b>		
Check light, Pair of electrodes 100-150mm, Electrode arm, Rubber electrode and other standard accessories	✓	✓
<b>Power Requirement:</b>		
1. Line voltages: 220-240VAC	✓	✓
2. Line Frequency: 50/60 Hz	✓	✓
<b>Mandatory Requirement for all above mentioned item:</b>		
<b>Certification:</b>		
System should have Certification FDA 510(k)/CE (MDD)/JIS/MHLW/JQAO	✓	✓
<b>COUNTRY OF ORIGIN:</b>		
System should be from UK / USA / EUROPE / JAPAN OR EQUIVALENT	✓	✓
<b>Warranty and Maintenance Period:</b>		
1. Warranty Period required 3 years with maintenance and parts replacement.	✓	✓
2. All the parts are included in the warranty. (I.CD, Keypad, Battery, Hand or foot control, and all others parts are included)	✓	✓
3. PPM must be done according to the OEM criteria in warranty period.	✓	✓
4. 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.	✓	✓
5. Required surety of service support and parts from the manufacturer, in case of transfer agency / distributor via undertaking by O.E.M.	✓	✓

DR. GHULAM FATIMA  
Chief Consultant Pathologist  
C.H. Central Lab  
Dr. Ruth K.M Pfau  
Civil Hospital Karachi

PROF. SADQA AFTAB  
Department Of Anesthesia & ICU  
SMBB Institute Of Trauma  
Dow University Of Health Sciences

MUHAMMAD FAHEEM  
Pharmacist  
SMBB Institute of Trauma

MANAGER  
SUPPLY CHAIN MANAGEMENT  
SMBB Institute of Trauma, Karachi

HAMMAD HUSSAIN  
Biomedical Engineer  
SMBB Institute of Trauma



Item #: 09

Name of Item: Shortwave Diathermy Machine

Quantity Required: 01 Unit

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO	ENRAF NONIUS
<b>Model</b>	Mega Pulse Senior EMS 265	Curapuls 970
6. Up-time guarantee during warranty period must be 90-95%.	✓	✓
7. Response to breakdown during and after warranty period must be 1-3Hours.	✓	✓
<b>8. Down Time:</b> If equipment is malfunctioning or not working properly then down time period would start i.e., if machine remain out of order for more than one day; then one and half day increase in contract of concerned equipment will be charged but if any part required from manufacturer, then downtime period not calculated for a month but after a month the down time should be calculated, are mentioned below;	✓	✓
90% → No Down Time	✓	✓
Below 90% → 1.5 days increase daily	✓	✓
Below 75% → 3.5 days increase daily	✓	✓
Below 50% → 5 days increase daily	✓	✓
<b>Trainings &amp; Manual:</b>		
1. Operating and service manual with troubleshooting and circuit diagram must be provided.	✓	✓
2. In house operator training session for end user.	✓	✓
3. In house service training session by Principal Certified resource	✓	✓
4. Trained Service Engineers with certification from the principle, Karachi based mandatory.	✓	✓
<b>Note: Cart should be quoted OEM original, if bidder want to quote local cart than quoted prices should be optional.</b>	✓	✓
<b>Supply, Installation, Testing, Commissioning and Maintenance (Including all type of work for the completion of the installation) are the responsibility of awarded firm/supplier).</b>	✓	✓
1. Fully compliant with the required tender specifications (Product demonstration, previous technical/support experience of the product/firm may also be considered for technical evaluation) <b>40 Marks</b> 2. Compliant with minor deviation (up to 10 % subject to main function is not affected) <b>30 Marks</b> 3. Above 10% / Non-compliant to required specifications. <b>(Disqualified).</b>	40	0 (Disqualified)

DR. GHULAM FATIMA  
Member - PC  
Chief Pathologist  
Dr. Ruth K.M. Plau  
Civil Hospital Karachi

MR. RILAL FOREES  
Member - PC  
Manager Supply Chain Management,  
SMBB Institute of Trauma, Karachi

SUPPLY CHAIN MANAGEMENT  
SMBB Institute of Trauma, Karachi

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

PROF. SADQA AFTAB  
Department Of Anesthesia & ICU  
SMBB Institute Of Trauma  
Chairperson - PC  
HOD ICU & Anesthesiology Department,  
SMBB Institute of Trauma, Karachi

MR. MUHAMMAD IBRAHIM MEMON  
Member - PC  
Deputy Secretary (PM&I),  
Health Department, Govt. of Sindh

Professor Shahrivar Ghazanfar  
MR. SHAHRIVAR GHAZANFAR  
Member - PC  
Department of Surgery  
Dow Medical College & General Hospital  
Dow University of Health Sciences, Karachi

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



# SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE OF TRAUMA, KARACHI

## BIDS EVALUATED ON MOST ADVANTAGEOUS BID BASIS

### TECHNICAL EVALUATION

PPMS ID #

T00518-22-0005

TENDER REFERENCE #

PROC/SMBBIT/(P&M-03)/2022-23

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Item #: 10

Name of Item: **Elliptical**

Quantity Required: **01 Unit**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO Nordic Track, USA	ENRAF NONIUS
<b>Model</b>	C5.5	CrossWalker
<b>Specifications:</b>		
- High resolution color touch screen display	✓	✓
- Braking brake: Magnetic Brakes	✓	✓
- Program Display: time, speed, distance, heart rate, RPM or more	✓	✓
- Patient weight: 150 kg or more	✓	✓
- User Manual	✓	✓
- and with Standard Accessories	✓	✓
<b>Power Requirement:</b>		
1. Line voltages: 220-240VAC	✓	✓
2. Line Frequency: 50/60 Hz	✓	✓
<b>Mandatory Requirement for all above mentioned item:</b>		
<b>Certification:</b>		
System should have Certification FDA 510(k)/CE (MDD)/JIS/MHLW/JQAO	✓	✓
<b>COUNTRY OF ORIGIN:</b>		
System should be from UK / USA / EUROPE / JAPAN OR EQUIVALENT	✓	✓
<b>Warranty and Maintenance Period:</b>		
1. Warranty Period required 3 years with maintenance and parts replacement.	✓	✓
2. All the parts are included in the warranty. (LCD, Keypad, Battery, Hand or foot control, and all others parts are included)	✓	✓
3. PPM must be done according to the OEM criteria in warranty period.	✓	✓
4. 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.	✓	X
5. Required surety of service support and parts from the manufacturer, in case of transfer agency / distributor via undertaking by O.E.M.	✓	DR. GHULAM FARMA Chief Consultant Pathologist C.H.K Central Lab Dr. Ruth K.M Ptau Civil Hospital Karachi
6. Up-time guarantee during warranty period must be 90-95%.	✓	
7. Response to breakdown during and after warranty period must be 1-31 hours.	✓	✓

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

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

**PROF. SADQA AFTAB**  
Department Of Anesthesia & ICU  
SMBB Institute Of Trauma  
Dow University Of Health Sciences  
Professor Shahriyar Ghazani  
MRCS Ed. F.R.C.S  
Department of Surgery  
Dow Medical College & Civil Hospital  
Dow University of Health Sciences

**MUHAMMAD FAHEEM**  
Pharmacist  
SMBB Institute of Trauma



Item #: 10

Name of Item: **Elliptical**

Quantity Required: **01 Unit**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO Nordic Track, USA	ENRAF NONIUS
<b>Model</b>	C5.5	CrossWalker
<b>8. Down Time:</b>		
If equipment is malfunctioning or not working properly then down time period would start i.e., if machine remain out of order for more than one day; then one and half day increase in contract of concerned equipment will be charged but if any part required from manufacturer, then downtime period not calculated for a month but after a month the down time should be calculated, are mentioned below:	✓	✓
90% → No Down Time	✓	✓
Below 90% → 1.5 days increase daily	✓	✓
Below 75% → 3.5 days increase daily	✓	✓
Below 50% → 5 days increase daily	✓	✓
<b>Trainings &amp; Manual:</b>		
1. Operating and service manual with troubleshooting and circuit diagram must be provided.	✓	✓
2. In house operator training session for end user.	✓	✓
3. In house service training session by Principal Certified resource	✓	✓
4. Trained Service Engineers with certification from the principle, Karachi based mandatory.	✓	✓
<b>Note: Cart should be quoted OEM original, if bidder want to quote local cart than quoted prices should be optional.</b>	✓	✓
<b>Supply, Installation, Testing, Commissioning and Maintenance (Including all type of work for the completion of the installation) are the responsibility of awarded firm/supplier).</b>	✓	✓
1. Fully compliant with the required tender specifications (Product demonstration, previous technical/support experience of the product/firm may also be considered for technical evaluation) <b>40 Marks</b> 2. Compliant with minor deviation (up to 10 % subject to main function is not affected) <b>30 Marks</b> 3. Above 10% / Non-compliant to required specifications. <b>(Disqualified).</b>	<b>40</b>	<b>0 (Disqualified)</b>

**DR. GHULAM FATIMA**  
Member - PC  
Chief Pathologist  
Dr. Raza Hospital, Central Hospital  
**DR. GHULAM FATIMA**  
Chief Consultant Pathologist  
G.H.K Central Lab  
Dr. Raza Hospital, Central Hospital  
Karachi  
**MANAGER**  
Supply Chain Management  
SMBB Institute of Trauma, Karachi

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

**MR. MUHAMMAD IBRAHIM MEMON**  
Member - PC  
Deputy Secretary (PM&I),  
Health Department, Govt. of Sindh

**PROF. SHAHRIYAR GHAZANFR**  
Member - PC  
Professor of Surgery  
Dow University Health Sciences, Karachi  
**PROF. SHAHRIYAR GHAZANFR**  
Member - PC  
Professor of Surgery  
Dow University Health Sciences, Karachi

**MUHAMMAD FAHEEM**  
Pharmacist  
SMBB Institute of Trauma



# SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE OF TRAUMA, KARACHI

## BIDS EVALUATED ON MOST ADVANTAGEOUS BID BASIS

### TECHNICAL EVALUATION

PPMS ID #

T00518-22-0005

TENDER REFERENCE #

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Item #: 11


Name of Item: Parrafin Bath


Quantity Required: 01 Unit


Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO	ENRAF NONIUS
<b>Model</b>	LNC 884	Parrafin Bath
<b>Specifications:</b>		
- Unit must be used with hospital grade code	✓	✓
-Tank capacity: 13-25 liter or more	✓	✓
- Temperature Range = 35 - 80 °C or more	ve-	✓
- Practically no temperature fluctuation in the paraffin	✓	✓
- Our heating safety mechanism	✓	✓
- Duty Cycle: Continues Operation	✓	✓
- Cart with lockable castor	✓	✓
- User Manual	✓	✓
- Other Standard Accessories	✓	✓
<b>Power Requirement:</b>		
1. Line voltages: 220-240VAC	✓	✓
2. Line Frequency: 50/60 Hz	✓	✓
<b>Mandatory Requirement for all above mentioned item:</b>		
<b>Certification:</b>		
System should have Certification FDA 510(k)/CE (MDD)/JIS/MHLW/JQAO	✓	✓
<b>COUNTRY OF ORIGIN:</b>		
System should be from UK / USA / EUROPE / JAPAN OR EQUIVALENT	✓	✓
<b>Warranty and Maintenance Period:</b>		
1. Warranty Period required 3 years with maintenance and parts replacement.	✓	✓
2. All the parts are included in the warranty. (LCD, Keypad, Battery, Hand or foot control, and all others parts are included)	✓	✓
3. PPM must be done according to the OEM criteria in warranty period.	✓	✓

  
MANAGER  
SUPPLY CHAIN MANAGEMENT  
SMBB Institute of Trauma, Karachi

  
HAMMAD HUSSAIN  
Biomedical Engineer  
SMBB Institute of Trauma

  
Professor Shahriyar  
MRCS Ed, FRCGS  
Department of Surgery  
Dow Medical College & Civil Hospital  
Dow University of Health Sciences  
Karachi

  
PROF. SADQA AFTAB  
Department Of Anesthesia & ICU  
SMBB Institute Of Trauma  
Dow University of Health Sciences

  
MUHAMMAD FAHEEM  
Pharmacist  
SMBB Institute of Trauma

  
DR. GHULAM FARIMA  
Chief Consultant Pathologist  
C.H.K Central Lab  
Dr. Ruth K.M Pfau  
Civil Hospital Karachi



Name of Item: **Parrafin Bath**Quantity Required: **01 Unit**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO	ENRAF NONIUS
<b>Model</b>	LNC 884	Parrafin Bath
4. 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.	✓	✗
5. Required surety of service support and parts from the manufacturer, in case of transfer agency / distributor via undertaking by O.E.M.	✓	✗
6. Up-time guarantee during warranty period must be 90-95%.	✓	✓
7. Response to breakdown during and after warranty period must be 1-3Hours.	✓	✓
<b>8. Down Time:</b>		
If equipment is malfunctioning or not working properly then down time period would start i.e., if machine remain out of order for more than one day; then one and half day increase in contract of concerned equipment will be charged but if any part required from manufacturer, then downtime period not calculated for a month but after a month the down time should be calculated, are mentioned below;	✓	✓
<b>90% → No Down Time</b>	✓	✓
<b>Below 90% → 1.5 days increase daily</b>	✓	✓
<b>Below 75% → 3.5 days increase daily</b>	✓	✓
<b>Below 50% → 5 days increase daily</b>	✓	✓
<b>Trainings &amp; Manual:</b>		
1. Operating and service manual with troubleshooting and circuit diagram must be provided.	✓	✓
2. In house operator training session for end user.	✓	✓
3. In house service training session by Principal Certified resource	✓	✓
4. Trained Service Engineers with certification from the principle, Karachi based mandatory.	✓	✓
<b>Note: Cart should be quoted OEM original, if bidder want to quote local cart than quoted prices should be optional.</b>	✓	✓
<b>Supply, Installation, Testing, Commissioning and Maintenance (Including all type of work for the completion of the installation) are the responsibility of awarded firm/supplier).</b>	✓	✓
1. Fully compliant with the required tender specifications (Product demonstration, previous technical/support experience of the product/firm may also be considered for technical evaluation) <b>40 Marks</b>	30	0 (Disqualified)
2. Compliant with minor deviation (up to 10 % subject to main function is not affected) <b>30 Marks</b>		
3. Above 10% / Non-compliant to required specifications. <b>(Disqualified).</b>		

**DR. GHULAM FATIMA**  
Member - PC  
Chief Pathologist  
C.H.K Central Lab  
Dr. Ruth K.M. Pfau Civil Hospital Karachi

**PROF. SADQA AFTAB**  
Department Of Anesthesia & ICU  
SMBB Institute Of Trauma  
Dow University of Health Sciences  
Chairperson, PC  
HOD ICU & Anesthesiology Department,  
SMBB Institute of Trauma, Karachi

**Professor Shauvir Ghazanfar**  
Department of Surgery  
Dow University of Health Sciences  
Karachi  
Member - PC  
Professor of Surgery,  
Dow University Health of Sciences, Karachi

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

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

**MR. MUHAMMAD IBRAHIM MEMON**  
Member - PC  
Deputy Secretary (PM&I),  
Health Department, Govt. of Sindh

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



# SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE OF TRAUMA, KARACHI

## BIDS EVALUATED ON MOST ADVANTAGEOUS BID BASIS

### TECHNICAL EVALUATION

PPMS ID #

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Item #: 12

Name of Item: **Recumbent Bike**

Quantity Required: **01 Unit**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO SPRIT - USA	ENRAF NONIUS
<b>Model</b>	900	Bike Reha
<b>Specifications:</b>		
- Braking brake: Magnetic Brakes	✓	✓
- High resolution color touch screen display	✓	✓
- Heart Rate Monitoring Capability	✓	✓
- Saddle Horizontally and vertically Adjustable	✓	✓
- Handlebar Horizontally and vertically Adjustable	✓	✓
- Max. Patient Weight = 150 Kg or More	ve-	✓
- and Other standard accessories	✓	✓
<b>Power Requirement:</b>		
1. Line voltages: 220-240VAC	✓	✓
2. Line Frequency: 50/60 Hz	✓	✓
<b>Mandatory Requirement for all above mentioned item:</b>		
<b>Certification:</b>		
System should have Certification FDA 510(k)/CE (MDD)/JIS/MH/LW/JQAO	✓	✓
<b>COUNTRY OF ORIGIN:</b>		
System should be from UK / USA / EUROPE / JAPAN OR EQUIVALENT	✓	✓
<b>Warranty and Maintenance Period:</b>		
1. <b>Warranty Period required 3 years</b> with maintenance and parts replacement.	✓	✓
2. All the parts are included in the warranty. (LCD, Keypad, Battery, Hand or foot control, and all others parts are included)	✓	✓
3. PPM must be done according to the OEM criteria in warranty period.	✓	✓
4. 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.	✓	X
5. Required surety of service support and parts from the manufacturer, in case of transfer agency / distributor via undertaking by O.E.M.		X

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

**HAMMAD HUSSAIN**  
Biomedical Engineering  
SMBB Institute of Trauma  
SMBB Institute of Health Sciences

Professor Shahriyar Khan  
Department of Surgery  
Bow Medical College & Civil Hospital  
University of Health Sciences

**MUHAMMAD FAHEEM**  
Pharmacist  
SMBB Institute of Trauma

**DR. GHULAM FATIMA**  
Chief Consultant Pathologist  
C.H.K Central Lab  
Dr. Ruth K.M Pk  
Civil Hospital Karachi



Name of Item: **Recumbent Bike**Quantity Required: **01 Unit**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO SPRIT - USA	ENRAF NONIUS
<b>Model</b>	900	Bike Reha
6. Up-time guarantee during warranty period must be 90-95%.	✓	✓
7. Response to breakdown during and after warranty period must be 1-3Hours.	✓	✓
<b>8. Down Time:</b>		
If equipment is malfunctioning or not working properly then down time period would start i.e., if machine remain out of order for more than one day; then one and half day increase in contract of concerned equipment will be charged but if any part required from manufacturer, then downtime period not calculated for a month but after a month the down time should be calculated, are mentioned below;	✓	✓
<b>90%</b> → No Down Time	✓	✓
<b>Below 90%</b> → 1.5 days increase daily	✓	✓
<b>Below 75%</b> → 3.5 days increase daily	✓	✓
<b>Below 50%</b> → 5 days increase daily	✓	✓
<b>Trainings &amp; Manual:</b>		
1. Operating and service manual with troubleshooting and circuit diagram must be provided.	✓	✓
2. In house operator training session for end user.	✓	✓
3. In house service training session by Principal Certified resource	✓	✓
4. Trained Service Engineers with certification from the principle, Karachi based mandatory.	✓	✓
<b>Note: Cart should be quoted OEM original, if bidder want to quote local cart than quoted prices should be optional.</b>	✓	✓
<b>Supply, Installation, Testing, Commissioning and Maintenance (Including all type of work for the completion of the installation) are the responsibility of awarded firm/supplier).</b>	✓	✓
1. Fully compliant with the required tender specifications (Product demonstration, previous technical/support experience of the product/firm may also be considered for technical evaluation) <b>40 Marks</b>	30	0 (Disqualified)
2. Compliant with minor deviation (up to 10 % subject to main function is not affected) <b>30 Marks</b>		
3. Above 10% / Non-compliant to required specifications. <b>(Disqualified)</b>		

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# SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE OF TRAUMA, KARACHI

BIDS EVALUATED ON MOST ADVANTAGEOUS BID BASIS

## TECHNICAL EVALUATION

PPMS ID #

T00518-22-0005

TENDER REFERENCE #

PROC/SMBBIT/(P&M-03)/2022-23

DATE & TIME OPENING OF TECHNICAL PROPOSAL:

02-03-2023 AT 11:30 AM

TENDER TITLE:

PROCUREMENT OF MACHINERY & EQUIPMENT WITH SUPPLY, INSTALLATION, TESTING & COMMISSIONING & CARPENTER / CIVIL WORKS FOR PHYSIOTHERAPY / REHABILITATION DEPARTMENT

Item #: 13

Name of Item: **Quadri-cep Drill**

Quantity Required: **01 Unit**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO	ENRAF NONIUS
<b>Model</b>	QU001	Quadri-cep Bench
<b>Specifications:</b>		
- Quadri-cep Bench (functional muscle exerciser)	✓	✓
- Exercise in sitting position (For Instance Knee Stretching, Reclining position, Knee Flexion, Hip Stretching)	✓	✓
- Adjustable Seat and Back	✓	✓
<b>Power Requirement:</b>		
1. Line voltages: 220-240VAC	✓	✓
2. Line Frequency: 50/60 Hz	✓	✓
<b>Mandatory Requirement for all above mentioned item:</b>		
<b>Certification:</b>		
System should have Certification FDA 510(k)/CE (MDD)/JIS/MHLW/JQAO	✓	✓
<b>COUNTRY OF ORIGIN:</b>		
System should be from UK / USA / EUROPE / JAPAN OR EQUIVALENT	✓	✓
<b>Warranty and Maintenance Period:</b>		
1. <b>Warranty Period required 3 years</b> with maintenance and parts replacement.	✓	✓
2. All the parts are included in the warranty. (LCD, Keypad, Battery, Hand or foot control, and all others parts are included)	✓	✓
3. PPM must be done according to the OEM criteria in warranty period.	✓	✓
4. 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.	✓	✓
5. Required surety of service support and parts from the manufacturer, in case of transfer agency / distributor via undertaking by O.E.M.	✓	✓
6. Up-time guarantee during warranty period must be 90-95%.	✓	✓
7. Response to breakdown during and after warranty period must be 1-3Hours.	✓	✓

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Dow University of Health Sciences  
Karachi



Item #: 13

Name of Item: **Quadricep Drill**

Quantity Required: **01 Unit**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO	ENRAF NONIUS
<b>Model</b>	QU001	Quadricep Bench
<b>8. Down Time:</b>		
If equipment is malfunctioning or not working properly then down time period would start i.e., if machine remain out of order for more than one day; then one and half day increase in contract of concerned equipment will be charged but if any part required from manufacturer, then downtime period not calculated for a month but after a month the down time should be calculated, are mentioned below;	✓	✓
<b>90% → No Down Time</b>	✓	✓
<b>Below 90% → 1.5 days increase daily</b>	✓	✓
<b>Below 75% → 3.5 days increase daily</b>	✓	✓
<b>Below 50% → 5 days increase daily</b>	✓	✓
<b>Trainings &amp; Manual:</b>		
1. Operating and service manual with troubleshooting and circuit diagram must be provided.	✓	✓
2. In house operator training session for end user.	✓	✓
3. In house service training session by Principal Certified resource	✓	✓
4. Trained Service Engineers with certification from the principle, Karachi based mandatory.	✓	✓
<b>Note: Cart should be quoted OEM original, if bidder want to quote local cart than quoted prices should be optional.</b>	✓	✓
<b>Supply, Installation, Testing, Commissioning and Maintenance (Including all type of work for the completion of the installation) are the responsibility of awarded firm/supplier).</b>	✓	✓
1. Fully compliant with the required tender specifications (Product demonstration, previous technical/support experience of the product/firm may also be considered for technical evaluation) <b>40 Marks</b> 2. Compliant with minor deviation (up to 10 % subject to main function is not affected) <b>30 Marks</b> 3. Above 10% / Non-compliant to required specifications. <b>(Disqualified)</b>	<b>40</b>	<b>0 (Disqualified)</b>

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Item #: 14

Name of Item: Multi gym (Standard)

Quantity Required: 01 Unit

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	AMERICAN FITNESS - CHINA	XIANGU Medical China
<b>Model</b>	7080	XY-14-8A
<b>Specifications:</b>		
- Butterfly, Bench Press Seated, Crunches Seated, Latissimus Rope Frame, Lower Pulley for Leg and Arm Exercise, Rowing, Leg Extension, Leg Curl	✓	✓
- Weight: 5 - 80 Kg	✓	✓
- Adjustable Bench Press Unit and Butterfly Arms, Padded Seat, Adjustable in Height, Plastic Cord Steel Ropes	✓	✓
<b>Power Requirement:</b>		
1. Line voltages: 220-240VAC	✓	✓
2. Line Frequency: 50/60 Hz	✓	✓
<b>Mandatory Requirement for all above mentioned item:</b>		
<b>Certification:</b>		
System should have Certification FDA 510(k)/CE (MDD)/JIS/MHLW/JQAO	✓	✓
<b>COUNTRY OF ORIGIN:</b>		
System should be from UK / USA / EUROPE / JAPAN OR EQUIVALENT	✓	✓
<b>Warranty and Maintenance Period:</b>		
1. Warranty Period required 3 years with maintenance and parts replacement.	✓	✓
2. All the parts are included in the warranty. (LCD, Keypad, Battery, Hand or foot control, and all others parts are included)	✓	✓
3. PPM must be done according to the OEM criteria in warranty period.	✓	✓
4. 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.	✓	✗
5. Required surety of service support and parts from the manufacturer, in case of transfer agency / distributor via undertaking by O.E.M.	✓	✗
6. Up-time guarantee during warranty period must be 90-95%.	✓	✓
7. Response to breakdown during and after warranty period must be 1-3Hours.	✓	✓

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Civil Hospital Karachi



Name of Item: **Multi gym (Standard)**Quantity Required: **01 Unit**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	AMERICAN FITNESS - CHINA	XIANGU Medical China
<b>Model</b>	7080	XY-14-8A
<b>8. Down Time:</b>		
If equipment is malfunctioning or not working properly then down time period would start i.e., if machine remain out of order for more than one day; then one and half day increase in contract of concerned equipment will be charged but if any part required from manufacturer, then downtime period not calculated for a month but after a month the down time should be calculated, are mentioned below;	✓	✓
<b>90% → No Down Time</b>	✓	✓
<b>Below 90% → 1.5 days increase daily</b>	✓	✓
<b>Below 75% → 3.5 days increase daily</b>	✓	✓
<b>Below 50% → 5 days increase daily</b>	✓	✓
<b>Trainings &amp; Manual:</b>		
1. Operating and service manual with troubleshooting and circuit diagram must be provided.	✓	✓
2. In house operator training session for end user.	✓	✓
3. In house service training session by Principal Certified resource	✓	✓
4. Trained Service Engineers with certification from the principle, Karachi based mandatory.	✓	✓
<b>Note: Cart should be quoted OEM original, if bidder want to quote local cart than quoted prices should be optional.</b>	✓	✓
<b>Supply, Installation, Testing, Commissioning and Maintenance (Including all type of work for the completion of the installation) are the responsibility of awarded firm/supplier).</b>	✓	✓
1. Fully compliant with the required tender specifications (Product demonstration, previous technical/support experience of the product/firm may also be considered for technical evaluation) <b>40 Marks</b>	40	0 (Disqualified)
2. Compliant with minor deviation (up to 10 % subject to main function is not affected) <b>30 Marks</b>		
3. Above 10% / Non-compliant to required specifications. <b>(Disqualified).</b>		

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# SHAHEED MOHTARMA BENAZIR BHUTTO INSTITUTE OF TRAUMA, KARACHI

## BIDS EVALUATED ON MOST ADVANTAGEOUS BID BASIS

### TECHNICAL EVALUATION

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Item #: 15

Name of Item: **Treadmill with Telemetry and Harness Support**

Quantity Required: **01 Unit**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	AMERICAN FITNESS - CHINA	ENRAF NONIUS
<b>Model</b>	T65A	EN-Motion Standard
<b>Specifications:</b>		
- High resolution color touch screen display 7 inch or more	✓	✓
- Min./max. speed: 0.1 - 15 km/hr or better , increment: 0.1 km/hr	✓	✓
- Positive slope angle: 0% to +15% (in steps of 0.5/1%)	✓	✓
- Negative slope angle: 0% to -10% (in steps of 0.5/1%)	✓	✓
- Effective walking surface: 140 x 45 cm or more	✓	✓
- Height of side bars: 75cm - 95 cm (distance from the walking surface to the underside and upper side of the bars respectively)	✓	✓
- Display: speed, Inclination, time, distance, HR, calories and more	✓	ve-
- Telemetry system	ve-	
- Max. permissible patient weight: 200 Kg or More	✓	✓
- Protocol/test: 20 or better	✓	✓
- Provision of spo2 and BP measurement	ve-	ve-
- Accessories: Handrails, Anti-fall/ Harness support system, arm support, power cord, and other standard accessories	✓	✓
<b>Power Requirement:</b>		
1. Line voltages: 220-240VAC	✓	✓
2. Line Frequency: 50/60 Hz	✓	✓
<b>Mandatory Requirement for all above mentioned item:</b>		
<b>Certification:</b>		
System should have Certification FDA 510(k)/CE (MDD)/JIS/MHLW/JQAO	✓	✓
<b>COUNTRY OF ORIGIN:</b>		
System should be from UK / USA / EUROPE / JAPAN OR EQUIVALENT	✓	
<b>Warranty and Maintenance Period:</b>		
1. Warranty Period required 3 years with maintenance and parts replacement.	✓	
2. All the parts are included in the warranty. (LCD, Keypad, Battery, Hand or foot control, and all others parts are included)	✓	✓
3. PPM must be done according to the OEM criteria in warranty period.	✓	✓

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Civil Hospital Karachi



Name of Item: **Treadmill with Telemetry and Harness Support**Quantity Required: **01 Unit**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	AMERICAN FITNESS - CHINA	ENRAF NONIUS
<b>Model</b>	T65A	EN-Motion Standard
4. 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.	✓	✗
5. Required surety of service support and parts from the manufacturer, in case of transfer agency / distributor via undertaking by O.E.M.	✓	✗
6. Up-time guarantee during warranty period must be 90-95%.	✓	✓
7. Response to breakdown during and after warranty period must be 1-3Hours.	✓	✓
<b>8. Down Time:</b>		
If equipment is malfunctioning or not working properly then down time period would start i.e., if machine remain out of order for more than one day; then one and half day increase in contract of concerned equipment will be charged but if any part required from manufacturer, then downtime period not calculated for a month but after a month the down time should be calculated, are mentioned below;	✓	✓
<b>90% → No Down Time</b>	✓	✓
<b>Below 90% → 1.5 days increase daily</b>	✓	✓
<b>Below 75% → 3.5 days increase daily</b>	✓	✓
<b>Below 50% → 5 days increase daily</b>	✓	✓
<b>Trainings &amp; Manual:</b>		
1. Operating and service manual with troubleshooting and circuit diagram must be provided.	✓	✓
2. In house operator training session for end user.	✓	✓
3. In house service training session by Principal Certified resource	✓	✓
4. Trained Service Engineers with certification from the principle, Karachi based mandatory.	✓	✓
<b>Note: Cart should be quoted OEM original, if bidder want to quote local cart than quoted prices should be optional.</b>	✓	✓
<b>Supply, Installation, Testing, Commissioning and Maintenance (Including all type of work for the completion of the installation) are the responsibility of awarded firm/supplier).</b>	✓	✓
1. Fully compliant with the required tender specifications (Product demonstration, previous technical/support experience of the product/firm may also be considered for technical evaluation) <b>40 Marks</b>	30	0 (Disqualified)
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3. Above 10% / Non-compliant to required specifications. <b>(Disqualified).</b>		

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Item #: 16

Name of Item: Hydraulic Tilt Table

Quantity Required: 01 Unit

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PIYSIO	ENRAF NONIUS
<b>Model</b>	COU007	Manumed Tilt 2-Section
<b>Specifications:</b>		
- Angle: electrically adjustable 0 to 85 Degree or better	✓	✓
- Section 2 or more	✓	✓
- Fixation Rails for Belts and Straps	✓	✓
- Electric Height Adjustment= 60 to 100 cm or better	✓	✓
- Lifting Capacity= 150 Kg or More	✓	✓
- lockable castor	✓	✓
- Accessories: foot support, safety belt 3 or more, supine static table, hand control	✓	✓
- and Other Necessary Accessories	✓	✓
<b>Power Requirement:</b>		
1. Line voltages: 220-240VAC	✓	✓
2. Line Frequency: 50/60 Hz	✓	✓
<b>Mandatory Requirement for all above mentioned item:</b>		
<b>Certification:</b>		
System should have Certification FDA 510(k)/CE (MDD)/JIS/MHLW/JQAO	✓	✓
<b>COUNTRY OF ORIGIN:</b>		
System should be from UK / USA / EUROPE / JAPAN OR EQUIVALENT	✓	✓
<b>Warranty and Maintenance Period:</b>		
1. Warranty Period required 3 years with maintenance and parts replacement.	✓	✓
2. All the parts are included in the warranty. (LCD, Keypad, Battery, Hand or foot control, and all others parts are included)	✓	✓
3. PPM must be done according to the OEM criteria in warranty period.	✓	✓
4. 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.	✓	✓
5. Required surety of service support and parts from the manufacturer, in case of transfer agency / distributor via undertaking by O.E.M.	✓	✓

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**MUHAMMAD FAHEEM**  
Pharmacist  
SMBB Institute of Trauma



Name of Item: **Hydraulic Tilt Table**Quantity Required: **01 Unit**

Name of Firms	M/s. BIOS	M/s. Technology Links (Pvt.) Ltd
<b>Make</b>	EMS PHYSIO	ENRAF NONIUS
<b>Model</b>	COU007	Manumed Tilt 2-Section
6. Up-time guarantee during warranty period must be 90-95%.	✓	✓
7. Response to breakdown during and after warranty period must be 1-3Hours.	✓	✓
<b>8. Down Time:</b>		
If equipment is malfunctioning or not working properly then down time period would start i.e., if machine remain out of order for more than one day; then one and half day increase in contract of concerned equipment will be charged but if any part required from manufacturer, then downtime period not calculated for a month but after a month the down time should be calculated, are mentioned below;	✓	✓
90% → No Down Time	✓	✓
Below 90% → 1.5 days increase daily	✓	✓
Below 75% → 3.5 days increase daily	✓	✓
Below 50% → 5 days increase daily	✓	✓
<b>Trainings &amp; Manual:</b>		
1. Operating and service manual with troubleshooting and circuit diagram must be provided.	✓	✓
2. In house operator training session for end user.	✓	✓
3. In house service training session by Principal Certified resource	✓	✓
4. Trained Service Engineers with certification from the principle, Karachi based mandatory.	✓	✓
<b>Note: Cart should be quoted OEM original, if bidder want to quote local cart than quoted prices should be optional.</b>	✓	✓
<b>Supply, Installation, Testing, Commissioning and Maintenance (Including all type of work for the completion of the installation) are the responsibility of awarded firm/supplier).</b>	✓	✓
1. Fully compliant with the required tender specifications (Product demonstration, previous technical/support experience of the product/firm may also be considered for technical evaluation) <b>40 Marks</b>	40	0 (Disqualified)
2. Compliant with minor deviation (up to 10 % subject to main function is not affected) <b>30 Marks</b>		
3. Above 10% / Non-compliant to required specifications. <b>(Disqualified)</b>		

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