



## Minutes of Meeting

Subject: TECHNICAL EVALUATION OF 1. CSSD & LAUNDRY SYSTEM 2. PNEUMATIC TUBING SYSTEM FOR ESTABLISHMENT OF KHYBER INSTITUTE OF CHILD HEALTH AND CHILDREN HOSPITAL PESHAWAR.

Venue: CONFERENCE ROOM KICH

Date & Time: 20.12.2022 at 10.00am

Participants (Officials): Attached at Annex-A

Participants (Bidding Firms): Six firms participated in the meeting; List attached at Annex-B

Technical Evaluation Sheet: Attached at Annex-C

Compliance Sheet of (Bidding Firms): Attached at Annex-D

**Proceedings:** A meeting was held on 20.12.2022 at 10:00AM in the Conference room of Khyber Institute of Child Health & Children Hospital Hayatabad, Peshawar as per office letter No. 5639-57/Budget/KICH/2022-23 dated 09.12.2022 and office letter No.5672/Budget/KICH/2022-23 dated 15.12.2022.

The meeting started in the name of Almighty Allah. All participants gave their introduction. It was informed to the participant firms that the Client wanted to have the quality equipment while observing KPRA rules and also to ensure that the procurements will be conducted in a fair and transparent manner to achieve the object of procurement for bringing value for money to the agency and the procurement process be efficient and economical.

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
Signatures							

For the transparent Technical Evaluation of CSSD & Laundry & Pneumatic Tube System, the chair allowed to call Each firm's Bio Medical Engineers separately for the Technical Evaluation of their submitted proposals in the presence of Technical Committee of KICH & Children Hospital Hayatabad, Peshawar. Following were the points which need clarity and made necessary decisions on the basis of submitted proposals

S. No.	Firms Name	Observations	Clarification / Decision
<b>CSSD &amp; LAUNDRY SYSTEM</b>			
1.	M/s Total Technologies	Specification according to the KICH SBD Documents	Responsive
2.	M/s VERTEX MEDICAL	Not quoted Laundry & Boiler instead of complete package	Non-Responsive
3.	M/s New Erra Technologies	<p>Specifications not according to the KICH SBD Documents</p> <p>Deficiencies</p> <ul style="list-style-type: none"> <li>Deficient, Incomplete &amp; vague offer.</li> <li>Quantities of the required items in the package not mentioned.</li> <li>No detail of brands mentioned.</li> <li>Accessories required with cleaning not offered.</li> <li>No detail of washer disinfectant provided.</li> <li>No microprocessor-controlled systems, no vertical sliding glass doors accessories not offered.</li> <li>Accessories with Steam sterilizer not offered, basically system is not microprocessor controlled not meeting the required tender specifications.</li> </ul>	Non-Responsive

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
Signatures							





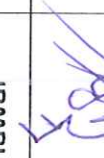


S. No.	Firms Name	Observations	Clarification / Decision
		<ul style="list-style-type: none"> <li>Table top sterilizer is also not microprocessor controlled.</li> <li>Oil free air compressor not offered with CSSD.</li> <li>No detail of Ultrasonic cleaner provided.</li> <li>No detail of optional EO and Plasma sterilizer.</li> <li>No detail of Any laundry equipment nor specifications provided.</li> </ul>	
4.	M/S STRONGMAN MEDIFUR	Specification according to the KICH SBD Documents, but not eligible due to Low marks in Product Evaluation & Post Warranty	Non-Responsive
5.	M/S MEDILAND PAKISTAN	Specification according to the KICH SBD Documents & have special feature as mentioned below; <ul style="list-style-type: none"> <li>Automatic Steam blow down that helps to prevent scaling</li> </ul>	Responsive

S.No.	Firms Name	Observations	Clarification / Decision				
<b>PNEUMATIC TUBING SYSTEM</b>							
1.	M/s Total Technologies	Specification according to the KICH SBD Documents	Responsive				
2.	M/s VERTEX MEDICAL	Specifications not according to the KICH SBD Documents Deficiencies:	Non-Responsive				
TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
Signatures							

S.No.	Firms Name	Observations	Clarification / Decision
		<ul style="list-style-type: none"> <li>Firm copy pasted the tender specifications instead of offering its product specifications.</li> <li>No certification attached as required.</li> <li>No detailed specifications attached to substantiate its claim.</li> <li>Disparity between attached brochure and technical offer</li> </ul>	
3.	M/s MEDILAND PAKISTAN	<p>Specification according to the KICH SBD Documents &amp; have special feature as mentioned below;</p> <ul style="list-style-type: none"> <li>When a carrier containing sensitive samples needs to be retrieved from the station, medical staff can easily see that a carrier is waiting to be retrieved from the station and handle the sensitive samples immediately.</li> <li>After an external power drop, BP-Atlas will automatically recover and use all saved last-positions to continue its operations.</li> <li>Full simulation mode for testing/training</li> </ul>	Responsive
4.	M/s Radiant Medical	Specification according to the KICH SBD Documents	Responsive

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
Signatures							

The meeting ended with a vote of thanks to and for the chair.

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Fina nce KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
Signatures							

ANNEX-A



GOVERNMENT OF KHYBER PAKHTUNKHWA  
THE KHYBER INSTITUTE OF CHILD HEALTH & BASHIR BILLOUR MEMORIAL  
CHILDREN HOSPITAL HAYATABAD PESHAWAR

Attendance Sheet

Date: 20-12-2022

Meeting of Technical Committee held in Committee Room of the Khyber Institute of Child Health & Children Hospital Peshawar regarding technical evaluation.

1. CSSD & Laundry system
2. Pneumatic Tubing System

Name	Designation	Signature
Engr. Shaukat	Biomedical Engineer	
Mr. Saleem	Civil Engineer	
Engr. Hafiz Ahmad	Consultant	
Mr. Ahmad Khan	Manager CSSD	
Engr. Arshad	Project Director	
Prof. Inayatullah	Project Director	

Project Director  
Khyber Institute of Child Health &  
Children Hospital Hayatabad Peshawar

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User

**ANNEX-B**



**GOVERNMENT OF KHYBER PAKHTUNKHWA  
THE KHYBER INSTITUTE OF CHILD HEALTH & CHILDREN HOSPITAL  
HAYATABAD PESHAWAR**



Attendance Sheet for Technical Evaluation of CSSD & Laundry and Pneumatic Tubing System Dated 20-12-2022

S.No	Name	Company Name	Contact Number	Email Address	Signature
1	M Ayaz	Total Technologies	3147566559	mubhammad_ayaz@totalgroup.com.pk	
2	Hammad Khan	Total Technologies	3477759593	info@totalgroup.com.pk	
3	M Abid	Mediland Pakistan	3000450167	m_abid@medilandpakistan.com	
4	Dr. Faizal	Mediland Pakistan	3000452109	dr_faizal@medilandpakistan.com	
5	Fawad Ahmed	New Erra Technologies	3219138739	fawad110a@gmail.com	
6	M. Bilal	Vertex Medical	3232525664	bilal.khan@vertexmedical.com	
7	Umair Qasim	Vertex Medical	3012274040	umairqasim@vertexmedical.com	
8	Zahid Ali	Radiant Medical	3004551218	rahidalias068@gmail.com	
9	Bilal Khan	Radiant Medical	3129851453	bilal@radiantmedical.com.pk	
10	Aleem Bin Aleeq	Strongman	3125185459	aleeqstrongman@gmail.com	
11	Adeel Shaukat	Strongman	3125180664	aleeqstrongman@gmail.com	

Project Director  
Khyber Institute of Child Health &  
Children Hospital Hayatabad Peshawar

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
Signatures							

TECHNICAL & FINANCIAL EVALUATION MARK SHEET FOR KYBER INSTITUTE OF CHILD HEALTH AND CHILDREN HOSPITAL, PESHAWER

ITEM NAME:	PRODUCT EVALUATION							FIRM EVALUATION					MARKING			Percentage		ACCUMULATED Evaluation Percentage Score	
	Compliance with KICH Required Specifications (02 Marks for Each Feature)	Special Feature (02 Marks for CE/ FDA/ MHLW) 02 marks each	International Quality Certification (02 marks each)	Product's Local Performance Certificate	Legal Requirement (02 Marks)	Relevant Technical Staff (04 mark)	Technical Staff DAE (02 Marks)	Workstation, Networking & Training Workshop (05 Marks)	Other Cites (05 Marks)	Previous Satisfactory Performance (04 Marks)	05 Year or More (04 Marks)	3 year or more (02 Marks)	Testing & Calibration Equipment	Post Warranty & Maintenance Cost with Parts (% of Cost of the Equipment)	Total Technical Marks	Financial Bid	Technical %		Financial %
S.no Companies Names	44	6	6	6	2	10	10	10	4	2	10	2	10	100	Price	70%	30%	70%-30%	
1 TOTAL TECHNOLOGIES	44	0	4	6	2	10	10	10	4	2	7	2	3	89					
2 VERTEX														0					
3 NEW ERBA														0					
4 STRONGMAN FUR	44	0	2	0	2	6	5	4	4	2	0	2	0	65					
5 MEDILAND	44	2	2	6	2	10	10	4	4	2	3	2	3	85					
TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase&Procurement MTT/HMC Peshawer							Project Director KICH Peshawer		Director Finance MTT/HMC Peshawer		Director Admin/finance KICH Peshawer		Bio-Medical Engineer MTT/HMC Peshawer		Consultant Summit Healthcare Consultants (Pvt) Ltd.		End User	
Signatures																			

Non Responsive, because of Not quoted Laundry & Boiler instead of complete package

Non Responsive, due to not mentioned Make & Model










TECHNICAL & FINANCIAL EVALUATION MARK SHEET FOR KHYBER INSTITUTE OF CHILD HEALTH AND CHILDREN HOSPITAL, PESHAWAR

ITEM NAME:	PRODUCT EVALUATION										FIRM EVALUATION					MARKING		Percentage		ACCUMULATED Evaluation Percentage Score					
	Compliance with KICH Required Specifications	Special Feature (02 Marks for Each Feature)	International Quality Certification (CE/ FDA/ MHLW) 02 marks each	Product's Local Performance Certificate	Legal Requirement (02 Marks)	Relevant Technical Staff	Technical Staff DAE (02 Marks)	PGC Reg Engrs. (04 marks)	Workstation, Networking & Training Workshop	Other Cities (05 Marks)	05 Year or More (04 Marks)	Previous Satisfactory Performance	Testing & Calibration Equipment	Post Warranty & Maintenance Cost with Parts (% of Cost of the Equipment)	Total Technical Marks	Financial Bid	Technical %	Financial %	70% Technical + 30% Financial						
S.No Companies Names																									
1 TOTAL TECHNOLOGIES	44	6	6	6	2	10	10	10	10	4	2	10	10	88	Price	70%	30%	70%-30%							
2 VERTEX	Firm copy passed the tender specifications instead of offering its product specifications. No certification attached as required. No detailed specifications attached to substantiate its claim. Disparity between attached Non-Responsive brochure and technical offer.																								
3 MEDILAND	44	4	2	0	2	10	10	10	10	4	2	10	10	88											
4 RADIANT MEDICAL	44	0	2	6	2	10	10	10	10	4	2	0	80												
TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTT/HMC Peshawar										Project Director KICH Peshawar					Director Finance MTI/HMC Peshawar		Director Admin/Finance KICH Peshawar		Bio-Medical Engineer MTI/HMC Peshawar		Consultant Summit Healthcare Consultants (Pvt) Ltd.		End User	
Signatures																									

## CSSD & LAUNDRY




Sr #	ITEM DESCRIPTION	M/s Total Technologies	M/s NEW ERA TECHNOLOGIES	M/s STRONGMAN MEDIFUR	M/s MEDILAND PAKISTAN	M/s VERTEX MEDICAL
1	<p>CSSD WITH STEAM GENERATOR/ BOILER &amp; SPECIAL TROLLEYS CLEANING &amp; WASHING UNIT (02 Nos)</p> <p>1.1 Cleaning &amp; washing unit, Approx. 2000 x 700 x 900 mm (WxDxH), consisting of Stainless-Steel square meter Table Top 50 mm</p>	<p>CLEANING &amp; WASHING UNIT Model: Customized Make/Supplier: Total Technologies Pvt. Ltd Country of Origin: Pakistan</p>	<p>CLEANING &amp; WASHING UNIT Model: Not Mentioned Country of Origin: Not Mentioned</p>	<p>CLEANING &amp; WASHING UNIT Model: SRZ.20.7.2.64 Make: SMS s.p z o.o. - Poland.</p>	<p>Cleaning and Washing Unit Model: Customized Make: Local Country of manufacturer: Pakistan</p>	<p>Cleaning and Washing Unit MODEL: Worktop: 999CABW08060 + Sink: 999CABRSD542 + Mixer Tap: 999CABTLHC01 + Base Unit: 999CABHS1078 + Ultrasonic Unit Space: 999CABULINST + Spray Gun with Nozzles: Hega(9992243+ 9992244) MANUFACTURER: STEELCO S.p.A, ITALY COUNTRY OF ORIGIN: ITALY</p>
	<p>1.1 Cleaning &amp; washing unit, Approx. 2000 x 700 x 900 mm (WxDxH), consisting of Stainless-Steel square meter Table Top 50 mm back splash, made of Ni-chrome steel/SS sheet.</p>	<p>1.1 yes with the size of 2000X700X900</p>	<p>1.1 Cleaning &amp; washing unit, Approx. 2000 x 700 x 870 mm (WxDxH), consisting of Stainless Steel square meter Table Top 50 mm back splash ,made of Ni-chrome steel/SS sheet.</p>	<p>1.1. Cleaning &amp; washing unit, Approx. 2000 x 700 x 900 mm (WxDxH) Consisting of Stainless Steel square meter Table Top 40-50 mm backplash ,made of Ni-chrome steel/SS sheet.</p>	<p>1.1. Cleaning &amp; washing unit, Approx. 2000 x 700 x 900 mm (WxDxH). Consisting of Stainless-Steel square meter Table Top 100mm backplash, made of SS sheet.</p>	

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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<p>back splash, made of Ni-chrome steel/SS sheet.</p> <p>1.2 02 Nos. Sinks each 500/500/250 mm made of stainless steel with the provision of counter top; equipped with drain valve and stand pipe and with siphon trap.</p> <p>1.3 02 Nos. of integrated Spray Guns for dematerialized water/ air with 08 cleaning nozzles, hose, table lead through</p> <p>1.4 Space to hose the 01-ultrasonic cleaners.</p> <p>(Note: Non-integrated Ultrasonic Cleaning units may also be acceptable)</p>	<p>1.2 02 Nos. Sinks each 600/400/250 mm made of stainless steel with the provision of counter top; equipped with drain valve and stand pipe and with siphon trap.</p> <p>1.3 02 Nos. of integrated Spray Guns for dematerialized water/ air with 08 cleaning nozzles, hose, table lead through</p> <p>Supplied along with as Following; Spray Gun Model: HEGA Make: SMS s.p z o.o. Poland.</p>	<p>1.2. 02 No's Sinks each approx. 500x500x250 mm made of stainless steel with the provision of counter top; equipped with drain valve and stand pipe and with siphon trap. Substructure cabinets with shelves. Cabinet is in SS design.</p> <p>1.3. 02 No's of integrated Spray Guns for dematerialized water/ air with 08 cleaning nozzles, hose, table lead through</p>	<p>1.2. 02 No's Sinks each 500x400x250 mm made of stainless steel with the provision of counter top; equipped with drain valve and stand pipe and with siphon trap.</p> <p>1.3. 02 No's of integrated Spray Guns for dematerialized water / air with 08 cleaning nozzles, hose, table lead through</p> <p>1.4. Space to hose the 01 ultrasonic cleaners.</p>
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p>	<p><b>Project Director</b> KICH Peshawar</p>	<p><b>Director Finance</b> MTI/HMC Peshawar</p>	<p><b>Director Admin/Finance</b> KICH Peshawar</p>	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p>	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p> <p><b>End User</b></p>
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2	<p><b>WASHING /DISINFECTION / DRYING UNIT (02 Nos)</b></p> <p>2.1 Microprocessor controlled automatic powered vertical down sliding two glass doors type. Washing chamber, washing arms, preheating tanks and water filters made of high-quality stainless steel AISI 316 L. Frame made of stainless steel AISI 304.</p> <p>2.2 Touchscreen display on loading and unloading side with integrated printer.</p>	<p><b>Total Technologies</b></p> <p><b>WASHING /DISINFECTION / DRYING UNIT Model: UNICLEAN PL II 15-2</b> Make: MMM GROUP</p> <p><b>Country of Origin: GERMANY</b></p> <p>2.1 Microprocessor controlled automatic powered vertical down sliding two glass doors type. Washing chamber, washing arms, preheating tanks and water filters made of high-quality stainless steel AISI 316L. Frame made of stainless steel AISI 304</p>	<p><b>M/S NEW ERRA TECHNOLOGIES WASHING /DISINFECTION / DRYING UNIT</b> Model: Not Mentioned Country of Origin: Not Mentioned</p> <p>2.1 Yes microprocessor controlled</p>	<p><b>M/S STRONGMAN MEDIFUR WASHING /DISINFECTION / DRYING UNIT</b> Model: MD15-P Make: SMS s.p z o.o. - Poland.</p> <p>2.1 Microprocessor controlled automatic powered vertical down sliding two glass doors type. Washing chamber, washing arms, preheating tanks and water filters made of high quality stainless steel AISI 316 L. Frame made of stainless steel AISI 304.</p>	<p><b>M/S MEDILAND PAKISTAN Washing/Disinfection/Drying Unit</b> Model: S-8668 Make: Gefinge Infection Control Country of Manufacturer: Sweden, Europe</p> <p>2.1 Microprocessor (G) centric control controlled automatic powered vertical down sliding two glass doors type. Washing chamber, washing arms, preheating tanks and water filters made of high quality stainless steel AISI 316 L. Frame made of stainless steel AISI 304.</p>	<p><b>M/s VERTEX MEDICAL WASHING /DISINFECTION / DRYING UNIT:</b> MODEL: DS 1000 1S MANUFACTURER: STEELCO S.p.A , ITALY COUNTRY OF ORIGIN: ITALY</p> <p>2.1 Microprocessor controlled automatic powered vertical down sliding two glass doors type. Washing chamber, washing arms, preheating tanks and water filters made of high quality stainless steel AISI 316 L. Light inside of chamber, Frame made of stainless steel AISI 304.</p>
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<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
<b>Signatures</b>							

<p>2.3 External steam heated for Automatic rinsing, washing, disinfecting and drying including electric element as backup heating. Capable of washing internal and external surface of items such as instruments, glassware, tubing, syringes, hollow wares etc.</p> <p>2.4 Stainless Steel construction. Floor model chamber size 15-18 DIN basket Capacity. 2 dosing pumps of chemical products complete with flow meters and sensor. 8-10 standard pre-set cycle programs, 5 service programs and Fast/short</p>	<p>2.3 External steam heated for Automatic rinsing, washing, disinfecting and drying including electric element as backup heating.</p> <p>2.4 Stainless Steel construction. Floor model chamber size 18 DIN basket Capacity. 2 dosing pumps of chemical products complete with flow meters and sensor. 25 program spaces for cleaning programs, freely programmable i.e. (15 active on HMI / 10 passive in the background. Fast/short</p>	<p>2.3 Yes</p>	<p>2.3 External steam heated for Automatic rinsing, washing, disinfecting and drying including integrated electric element as backup heating. Capable of washing internal and external surface of items such as instruments, glassware, tubing, syringes, hollow wares etc.</p> <p>2.4 Stainless Steel construction. Floor model chamber size 15-18 DIN basket Capacity. 2 dosing pumps of chemical products complete with flow meters and sensor. 8-10 standard pre-set cycle programs, 5 service programs and Fast/short cycle program with at least preheating tank.</p>	<p>2.3 External steam heated for Automatic rinsing, washing, disinfecting and drying including integrated electric element as backup heating. Capable of washing internal and external surface of items such as instruments, glassware, tubing, syringes, hollow wares etc.</p> <p>2.4 Stainless Steel construction. Floor model chamber size 15 DIN basket Capacity. 2 dosing pumps of chemical products complete with flow meters and sensor. 8-10 standard pre-set cycle programs, 5 service programs and Fast/short cycle disinfection program with preheating tank.</p>	<p>2.3 External steam heated for Automatic rinsing, washing, disinfecting and drying including integrated electric element as backup heating. Capable of washing internal and external surface of items such as instruments, glassware, tubing, syringes, hollow wares etc.</p> <p>2.4 Stainless Steel construction. Floor model chamber size 18 DIN basket Capacity. 2 dosing pumps of chemical products complete with flow meters and sensor. 10 standard pre-set cycle programs, 5 service programs and Fast/short cycle disinfection program (around 30 min).</p>
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p>	<p><b>Project Director</b> KICH Peshawar</p>	<p><b>Director Finance</b> MTI/HMC Peshawar</p>	<p><b>Director Admin/Finance</b> KICH Peshawar</p>	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p>	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p>	<p><b>End User</b></p>
<p><b>Signatures</b></p>							

cycle program with at least one preheating tank.	cycle program (around 30 min).				
2.5 The unit should be complete with baskets, trays, and stands for washing /disinfection of the items mentioned above.	2.5 The unit complete with baskets, trays, and stands for washing /disinfection of the items Mentioned above.	2.5 Yes	2.5 The unit should be complete with baskets, trays, and stands for washing /disinfection of the items mentioned above.	2.5 The unit is complete with baskets, trays, and stands for washing /disinfection of the items mentioned above.	2.5 The unit should be complete with baskets, trays, and stands for washing / disinfection of the items mentioned above.
2.6 The unit should have complete exhaust air/ condenser or equivalent for outgoing air with condensate drain.	2.6 The unit have complete exhaust air draughtier for outgoing air with condensate drain.	2.6 Yes	2.6 The unit should have complete exhaust air / condenser or equivalent for outgoing air with condensate drain.	2.6 The unit has complete exhaust air condenser for outgoing air with condensate drain.	2.6 The unit should have complete exhaust air condenser for outgoing air with condensate drain.
2.7 Operation 380-400V.	2.7 Operation 380-400V.	2.7 Yes	2.7 Operation 380-400V.	2.7 Operation 380-400V.	2.7 Operation 380-400V.
2.8 UPS of suitable capacity with minimum 15 minutes for Controller cum monitoring and display for monitoring and controlling of parameters during power shedding provided/ installed by the manufacturer.	2.8 UPS of suitable capacity with minimum 15 minutes for Controller cum display for monitoring and controlling of parameters during power shedding provided/ installed by the manufacturer.	2.8 Yes	2.8 UPS of suitable capacity with minimum 15 minutes for Controller cum display for monitoring and controlling of parameters during power shedding provided/ installed by the manufacturer.	2.8 UPS of Suitable capacity with minimum 15 minutes Controller cum display for monitoring and controlling of parameters during power shedding provided by manufacturer.	2.8 UPS of suitable capacity with minimum 15 minutes for Controller cum display for monitoring and controlling of parameter during power shedding provided / installed by the manufacturer.

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
Signatures							5   84

power shedding provided/ installed by the manufacturer.	2.a ACCESSORIES with above washers.	2.a ACCESSORIES with above washers.	2-A: ACCESSORIES WITH ABOVE WASHER.	ACCESSORIES	ACCESSORIES
2.a.1 2xOP Cart for 30/36 trays of instruments	2.a.1 OP Cart for 15/18 trays of instruments	2.a.1 Yes	2.a.1 2xOP Cart 30/36 trays of instrument	2.a.1 2XOP Cart for 30 trays of instruments	2.a.1 2XOP Cart for 45 trays of instruments. 45 instruments tray for OP cart as per capacity of washer.
2.a.2 1xMIS/Lap instruments cart	2.a.2 MIS/Lap instruments cart	2.a. Yes	2.a.2 1xMIS/Lap instrument cart.	2.a.2 1x MIS/Lap instruments cart	2.a.2 1XMIS/Lap instruments cart.
2.a.3 30/36 instrument trays for OP Cart as per capacity of washer.	2.a.3 15/18 x instrument trays for OP Cart as per capacity of washer.	2.a.3 Yes	2.a.3 30/36 instrument trays for OP Cart as per capacity of washer.	2.a.3 30 Instrument trays for OP Cart	2.a.3 Wash cart for Instrument containers.
2.a.4 2x Transfer trolleys for cart.	2.a.4 Transfer trolleys for cart.	2.a.4 Yes	2.a.4 2x Transfer trolleys for cart.	2.a.4 2x Transfer trolleys for cart	2.a.4 2X Transfer trolleys for cart.
2.a.5 The firm shall be bound to replace the filters, oil, gaskets or any other consumables during warranty as per recommendations of the manufacturer.	2.a.5 We will replace filters, gaskets of the WD as per recommended by manufacturer.	2.a.5 Yes	2.a.5 The firm shall be bound to replace the filters, oil, gaskets or any other consumables during warranty as per recommendations of the manufacturer.	2.a.5 The Firm is responsible to replace the filters, oil, gaskets or any other consumables during warranty as per recommendation of manufacturer.	2.a.5 The firm shall be bound to replace the filters, oil, Gasket or any other consumable during warranty as per recommendation of the manufacturer.

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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	Equipment maintenance and will not be supplied.				
3	<p><b>HEAVY DUTY STEAM STERILIZER (02)</b></p> <p><b>Total Technologies</b></p> <p><b>HEAVY DUTY STEAM STERILIZER</b> Model: Selectomat PL 6612-2 CL (CL= COMPACT LINE) Make: MMM GROUP Country of Origin: GERMANY</p> <p>3.1 High pressure Steam Sterilizer each with external steam supply as primary source with integrated steam generator as backup.</p> <p>3.2 Fully automatic, programmable, microprocessor type.</p> <p>3.3 Touchscreen colored display on both sides</p>	<p><b>M/s</b></p> <p><b>NEW ERA TECHNOLOGIES</b></p> <p><b>HEAVY DUTY STEAM STERILIZER</b> Model: Not Mentioned Country of Origin: Not Mentioned</p> <p>3.1 Yes</p> <p>3.2 Yes</p> <p>3.3 Yes</p>	<p><b>M/s</b></p> <p><b>STRONGMAN MEDIFUR</b></p> <p><b>HEAVY DUTY STEAM STERILIZER</b> Model: AS-6612-WPA Make: SMS s.p z o.o. – Poland.</p> <p>3.1 High pressure Steam Sterilizer each with external steam supply as primary source with integrated steam generator as backup.</p> <p>3.2 Fully automatic, programmable, microprocessor type.</p> <p>3.3 Touchscreen colored display on both sides minimum 7" and integrated printer.</p>	<p><b>M/s</b></p> <p><b>MEDILAND PAKISTAN HEAVY DUTY STEAM STERILIZER</b> Model: GSS67H13 Make: Gefinge Infection control Country of Manufacturer: Sweden</p> <p>3.1 High pressure Steam sterilizer each with external steam supply as primary source with integrated steam generator as backup.</p> <p>3.2 Fully automatic, programmable, PLC type (G1 control).</p> <p>3.3 10" Touch screen colored display on both side with integrated printer.</p>	<p><b>M/s</b></p> <p><b>VERTEX MEDICAL HEAVY DUTY STEAM STERILIZER:</b> MODEL: VS 8/2 E/I MANUFACTURER: STEELCO S.p.A , ITALY COUNTRY OF ORIGIN: ITALY</p> <p>3.1 High pressure Steam Sterilizer each with external steam supply as primary source with integrated steam generator as backup.</p> <p>3.2 Fully automatic, programmable, microprocessor type.</p> <p>3.3 7" Touch screen colored display and integrated printer.</p>

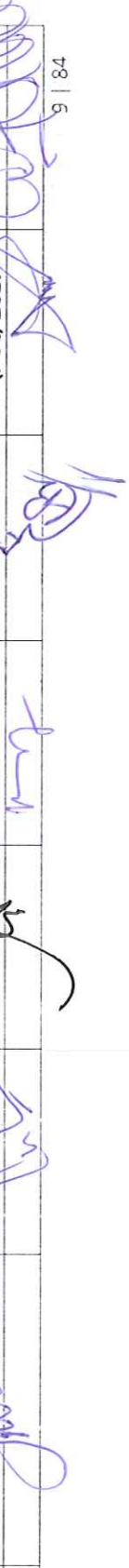
<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
<b>Signatures</b>							



minimum 7" and integrated printer.	integrated thermal printer.			
3.4 Automatic motorized/pneumatic two doors pass through system.	3.4 Automatic motorized two doors pass through system.	3.4 Yes	3.4 Automatic motorized/pneumatic two doors pass through system.	3.4 Automatic motorized two doors pass through system.
3.5 Time cycled, working pressure 32 psi. Safety interlock.	3.5 Time cycled, working pressure 32 psi. Safety interlock. Temperature & Pressure recorder	3.5 Yes	3.5 Time cycled, working pressure 32 psi. Safety interlock. Temperature & Pressure recorder.	3.5 Time cycled, working pressure 32 psi. Safety interlock. Temperature & Pressure recorder.
3.6 Chamber pressure indicator. Cycle to determine the phase of sterilization cycle.	3.6 Chamber pressure indicator. Cycle indicator to determine the phase of sterilization cycle	3.6 Yes	3.6 Chamber pressure indicator. Cycle indicator to determine the phase of sterilization cycle.	3.6 Chamber pressure indicator. Cycle indicator to determine the phase of sterilization cycle.
3.7 Program/Cycle selection.	3.7 Program/Cycle selection	3.7 Yes	3.7 Program/Cycle selection.	3.7 Program/Cycle selection.
3.8 Complete with standard accessories and removable shelves, capable of taking both packets and containers of all standard sizes.	3.8 Complete with standard accessories (as per accessories mentioned below), capable of taking both packets and containers of all standard sizes.	3.8 Yes	3.8 Complete with standard accessories and Removable shelves. Capable of taking both packets and containers of all standard sizes.	3.8 Complete with standard accessories and removable shelves, capable of taking both packets and containers of all standard sizes.
	3.9 Chamber capacity 08 STU, rectangular shape.	3.9 Yes	3.9 Chamber capacity 08 STU, rectangular shape. Chamber, jacket and	3.9 Chamber capacity 08 STU, rectangular shape. Chamber, jacket and doors made of AISI 316

<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
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<p>3.9 Chamber capacity 08 STU, rectangular shape. Chamber, jacket and doors made of AISI 316 L/Ti. The system completes with built-in water saving system, automatic heat exchanger and Air defector.</p>	<p>Chamber, jacket and doors made of AISI 316 L/Ti. The system completes with built-in water saving system, automatic heat exchanger and condensate cooling device.</p>	<p>doors made of AISI 316 L/Ti. The system complete with built-in water saving system, automatic heat exchanger and condensate cooling device.</p>	<p>doors made of AISI 316 L. The system complete with built-in water saving system, automatic heat exchanger and Air defector.</p>
<p>3.10 Two loading /unloading trolleys and one loading cart's compatible with system.</p>	<p>3.10 Two loading /unloading trolleys and one loading cart's compatible with system.</p>	<p>3.10 Two loading /unloading trolleys and one loading cart compatible with system.</p>	<p>3.10 Two loading / unloading trolleys and one loading carts compatible with system.</p>
<p>3.11 UPS of suitable capacity with minimum 15 minutes for Controller cum display for monitoring and controlling of parameters during power shedding provided / installed by the manufacturer.</p>	<p>3.11 UPS of suitable capacity with minimum 15 minutes for Controller cum display for monitoring and controlling of parameters during power shedding provided / installed by the manufacturer.</p>	<p>3.11 UPS of suitable capacity with minimum 15 minutes for Controller cum display for monitoring and controlling of parameters during power shedding provided / installed by the manufacturer.</p>	<p>3.11 UPS of suitable capacity with minimum 15 minutes for Controller cum display for monitoring and controlling of parameters during power shedding provided / installed by the manufacturer.</p>
<p>3.12 We will replace filters, gaskets of the</p>	<p>3.12 We will replace filters, gaskets of the</p>	<p>3.12 The firm shall be bound to replace the filters, oil, gaskets or any</p>	<p>3.12 We will provide the replace the filters, oil, Gasket or any other</p>








<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p>	<p><b>Project Director</b> KICH Peshawar</p>	<p><b>Director Finance</b> MTI/HMC Peshawar</p>	<p><b>Director Admin/Finance</b> KICH Peshawar</p>	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p>	<p><b>Consultant Summit Healthcare Consultants (Pvt) Ltd.</b></p>	<p><b>End User</b></p>
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<p>3.12 The firm shall be bound to replace the filters, oil, gaskets or any other consumables during warranty as per recommendations of the manufacturer.</p> <p>Note: The system should have the provision of electronic Bowie &amp; Dick Test. (Optional)</p>	<p>Autoclave as per recommended by manufacturer. Please note that printer paper, lubricating agent, descalars etc. is not part of equipment maintenance and will not be supplied.</p> <p><b>OPTION:</b> Steam Spy (Built in electronic Bowie dick test)</p>		<p>other consumables during warranty as per recommendations of the manufacturer.</p>	<p>any other consumables during warranty as per recommendation of manufacturer.</p> <p><b>Accessories: -</b></p> <ul style="list-style-type: none"> <li>• Loading trolleys</li> <li>• Unloading trolleys</li> <li>• Loading Carts</li> </ul>	<p>consumable during warranty as per recommendation of the manufacturer.</p> <p>System has the provision of electronic Bowie &amp; Dick Test.</p>
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<p>4 REVERSE OSMOSIS SYSTEM (01 No)</p>	<p><b>M/s</b> Total Technologies REVERSE OSMOSIS SYSTEM Model: Customized Make: Locally Assembled with imported Parts RO system compatible with the CSSD equipment requirement and in accordance with the</p>	<p><b>M/s</b> NEW ERRA TECHNOLOGIES REVERSE OSMOSIS SYSTEM Model: Not Mentioned Country of Origin: Not Mentioned</p>	<p><b>M/s</b> STRONGMAN MEDIFUR REVERSE OSMOSIS SYSTEM Make: SMS s.p z o.o. - Poland.</p>	<p><b>M/s</b> MEDILAND PAKISTAN REVERSE OSMOSIS SYSTEM (Local/Imported) Model: Local Make: Local Country of manufacturer: Pakistan</p>	<p><b>M/s</b> VERTEX MEDICAL REVERSE OSMOSIS SYSTEM: MODEL: Locally Assembled with Imported Parts.</p>
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<p>TECHNICAL COMMITTEE MEMBERS</p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p>	<p>Project Director KICH Peshawar</p>	<p>Director Finance MTI/HMC Peshawar</p>	<p>Director Admin/Finance KICH Peshawar</p>	<p>Bio-Medical Engineer MTI/HMC Peshawar</p>	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p>	<p>End User</p>
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<p>4.1 The reverse osmosis unit including filters, hardness stabilizing unit, activated carbon with prefilter 5um, Pre-filter 1um, DS reverse osmosis system.</p> <p>4.2 Capacity as per actual requirement of the system recommended by the manufacturer with storage tank 500L/1000/2000 or / as per actual requirement of the manufacturer.</p> <p>4.3 Level control for tank, vent filter, ion pressure pump, ion exchanger, conductivity meter control, distribution manifold, hose set and installation material.</p>	<p>Quality of the local water where it is being installed.</p> <p>4.1 The reverse osmosis unit including filters, hardness stabilizing unit, activated carbon with prefilter 5um, Pre-filter 1um, DS reverse osmosis system.</p> <p>4.2 Capacity as per actual requirement of the system recommended by the manufacturer with storage tank 500L or / as per actual requirement of the manufacturer.</p> <p>4.3 Level control for tank, vent filter, pressure pump, ion exchanger, conductivity meter Control, distribution manifold, hose set and installation material. O capacity may vary as per final BOQ.</p>	<p>4.1 Yes</p>	<p>4.1 The reverse osmosis unit including filters, hardness stabilizing unit, activated carbon with prefilter 5um, Pre-filter 1um, DS reverse osmosis system.</p> <p>4.2 Capacity as per actual requirement of the system recommended by the manufacturer with storage tank as per actual requirement.</p> <p>4.3 Level control for tank, vent filter, pressure pump, ion exchanger, conductivity meter control, distribution manifold, hose set and installation material.</p>	<p>4.1 RO unit including filters, hardness stabilizing unit, activated carbon with pre-filter 1um, DS reverse osmosis system.</p> <p>4.2 Capacity as per actual requirement of the system recommended by the manufacturer with storage tank of 1000L as per actual requirement of the manufacturer.</p> <p>4.3 Level control for tank, vent filter, pressure pump, ion exchanger, conductivity meter control, distribution manifold, hose set and installation material.</p>	<p>4.1 The reverse osmosis unit including filters, hardness stabilizing unit, activated carbon with prefilter 5um, Pre-filter 1um, DS reverse osmosis system.</p> <p>4.2 Capacity as per actual requirement of the system recommended by the manufacturer with storage tank minimum 500L as per actual requirement of the manufacturer.</p> <p>4.3 Level control for tank, vent filter, pressure pump, ion exchanger, conductivity meter control, distillation manifold, hose set and installation material.</p>
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p>	<p><b>Project Director</b> KICH Peshawar</p>	<p><b>Director Finance</b> MTI/HMC Peshawar</p>	<p><b>Director Admin/Finance</b> KICH Peshawar</p>	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p>	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p>	<p><b>End User</b></p>
<p><b>Signatures</b></p>							

							<b>Note:</b> Consumables i.e. regeneration salt, resin, filters, membranes etc. will not be supplied.		
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5a	LOW TEMPERATURE STERILIZER (01 No) (Type-A) (Optional)	M/s Total Technologies LOW TEMPERATURE STERILIZER (optional) Model: Hyper LTS 150-1 Make: MMM GROUP Country of Origin: Germany	M/s NEW ERRA TECHNOLOGIES LOW TEMPERATURE STERILIZER (optional) Model: Not Mentioned Country of Origin: Not Mentioned	M/s STRONGMAN MEDIFUR	M/s MEDILAND PAKISTAN Low Temperature Sterilizer/Plasma Sterilizer (Optional) Model: 110L Make: Geinge Infection control Country of Manufacturer: Sweden	M/s VERTEX MEDICAL LOW TEMPERATURE STERILIZER: MODEL: PL 130/2 MANUFACTURER: STEELCO S.p.A , ITALY COUNTRY OF ORIGIN: ITALY
	5.a.1 Plasma (H2O2) Sterilizer. 5.a.2 Single door. 5.a.3 Temperature and pressure recorder. 5.a.4 Complete with baskets and cartridges / Cylinders for at least 100 cycles.	5.a.1 Plasma (H2O2) Sterilizer. 5.a.2 Single door. 5.a.3 Temperature and pressure recorder. 5.a.4 Complete with baskets and cartridges / Cylinders for at least 100 cycles.	5.a.1 5.a.2 Yes 5.a.3 Yes 5.a.4 Yes 5.a.5 Yes - 130 liters.		5.a.1 Plasma Sterilizer 5.a.2 Single door. 5.a.3 Temperature and pressure recorder. 5.a.4 Complete with baskets and cartridges for 100 cycle (05 Cartridge bottle)	5.a.1 Plasma (H2O2) Sterilizer. 5.a.2 Sigle door. 5.a.3 Temperature and Pressure recorder. 5.a.4 Complete with baskets and cartridges / cylinder for at least 100 cycles.

<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
<b>Signatures</b>							







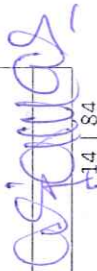
<p>5.a.5 Chamber capacity 100-150 liters minimum</p> <p>5.a.6 The unit should be complete with aeration system and should include all safety interlock. Complete with built-in safety feature according to international accepted standards.</p> <p>5.a.7 The firm shall be bound to replace the filters, oil, gaskets or any other consumables during warranty as per recommendations of the manufacturer.</p>	<p>5.a.5 Chamber capacity 136 liters.</p> <p>5.a.6 The unit is complete with aeration system and includes all safety interlock, complete with Built-in safety feature according to international accepted standards.</p> <p>5.a.7 We will replace filters, gaskets of the Sterilizer as per recommended by manufacturer. Please note that printer paper, lubes, sterilant more than mentioned quantity etc. is not part of equipment maintenance and will not be supplied.</p>	<p>5.a.6 Yes</p> <p>5.a.7 Yes</p>	<p>5.a.5 Chamber Capacity 110 Liters with aeration system (Catalytic Converter)</p> <p>5.a.6 The system is included will all safety feature and interlock system.</p> <p>5.a.7 Built in safety features according to international accepted standard. The Firm is responsible to replace the filters, oil, gaskets or any other consumables during warranty as per recommendation of manufacturer.</p>	<p>5.a.5 Chamber capacity 148 liters complete with aeration system</p> <p>5.a.6 included all safety. Interlock, complete with</p> <p>5.a.7 built in safety feature according to international accepted standards. We will provide the Gasket or any other consumable during warranty as per recommendation of the manufacturer.</p>
<p>5.b LOW TEMPERATURE STERILIZER (01 No) (Type-B) (Optional)</p>	<p>LOW TEMPERATURE STERILIZER (optional) Model: AN 1004.11 (EO GAS 4) Make: ANDERSEN</p>	<p>LOW TEMPERATURE STERILIZER (optional) Model: Not Mentioned Country of Origin: Not Mentioned</p>	<p>LOW TEMPERATURE STERILIZER Model: P150-SD Make: SMS s.p z o.o. - Poland.</p>	

<p>TECHNICAL COMMITTEE MEMBERS</p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p>	<p>Project Director KICH Peshawar</p>	<p>Director Finance MTI/HMC Peshawar</p>	<p>Director Admin/Finance KICH Peshawar</p>	<p>Bio-Medical Engineer MTI/HMC Peshawar</p>	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p>	<p>End User</p>
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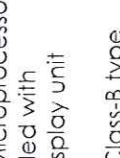
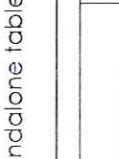
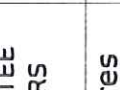



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<p>5.b.1 Ethylene-Oxide (EO) gas</p> <p>5.b.2 Single door.</p> <p>5.b.3 Temperature and pressure recorder.</p> <p>5.b.4 Complete with baskets and cartridges/Cylinders for at least 100 cycles.</p> <p>5.b.5 Chamber capacity 100-150 liters minimum</p> <p>5.b.6 the unit should be complete with aeration system and interlock, complete with safety interlock, complete with built-in safety feature according to international accepted standards.</p> <p>5.b.7 The firm shall be bound to replace the filters, oil, gaskets or any other consumables during</p>	<p><b>Country of Origin: UK</b> <b>Country of Manufacturer: USA</b></p> <p>5.b.1 Ethylene-Oxide (EO) gas sterilizer.</p> <p>5.b.2 Single door.</p> <p>5.b.3 Temperature and pressure recorder.</p> <p>5.b.4 Complete with baskets and cartridges / Cylinders for at least 100 cycles.</p> <p>5.b.5 Chamber capacity 101 liters .</p> <p>5.b.6 The unit is complete with aeration system and include all safety interlock, complete with built-in safety feature according to international accepted standards.</p> <p>5.b.7 We will replace filters, gaskets of the Sterilizer as per recommended by manufacturer.</p>	<p>5.b.1 Yes.</p> <p>5.b.2 Yes</p> <p>5.b.3 Yes</p> <p>5.b.4 Yes</p> <p>5.b.5 Yes 120 L</p> <p>5.b.6 Yes</p> <p>5.b.7 Yes</p>	<p>5.b.1 Ethylene-Oxide (EO) gas OR Plasma (H2O2) sterilizer.</p> <p>5.b.2 Single door.</p> <p>5.b.3 Temperature and pressure recorder.</p> <p>5.b.4 Complete with baskets and cartridges/Cylinders for at least 100 cycles.</p> <p>5.b.5 Chamber capacity 100-150 liters minimum</p> <p>5.b.6 the unit should be complete with aeration system and should include all safety. Interlock, complete with built-in safety feature according to international accepted standards.</p> <p>5.b.7 The firm shall be bound to replace the filters, oil, gaskets or any other consumables during warranty as per</p>	
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p> 	<p><b>Project Director</b> KICH Peshawar</p> 	<p><b>Director Finance</b> MTI/HMC Peshawar</p> 	<p><b>Director Admin/Finance</b> KICH Peshawar</p> 	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p> 	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p><b>End User</b></p> 
<p><b>Signatures</b></p>	<p>14   84</p>						

	warranty as per recommendations of the manufacturer.	Please note that printer paper, lubes, sterilitant more than mentioned quantity etc. is not part of equipment maintenance and will not be supplied.	recommendations of the manufacturer.
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6	<b>TABLE TOP STERILIZER (02 Nos)</b> 6.1 Chamber Volume: 20-25 Litres 6.2 Microprocessor Controlled with digital display unit 6.3 Class-B type sterilizer with standalone table	<b>M/s Total Technologies</b> <b>TABLE TOP STERILIZER</b> Model: Vacuklav 23 B+ Make: Melag Country of Origin: Germany 6.1 Chamber Volume: 23 Liters 6.2 Microprocessor Controlled with digital display unit 6.3 Class-B type sterilizer with standalone table 6.4 Different type of programs	<b>M/s NEW ERRA TECHNOLOGIES</b> <b>TABLE TOP STERILIZER</b> Model: Not Mentioned Country of Origin: Not Mentioned 6.1 Yes 6.2 Yes 6.3 Yes 6.4 Yes	<b>M/s STRONGMAN MEDIFUR</b> <b>TABLE TOP STERILIZER</b> Model: SST2200B+P Make: CBM - Italy 6.1 Chamber Volume: 23 Liters 6.2 Microprocessor Controlled with digital display unit 6.3 Class-B type sterilizer with standalone table 6.4 Different type of programs	<b>M/s MEDILAND PAKISTAN</b> <b>Table Top Sterilizer</b> Model: Sterix 24 Make: EUROCLINIC (Supplied by Getinge) Country of manufacturer: Italy 6.1 Chamber Volume: 24 liters 6.2 Microprocessor Controlled with digital display unit 6.3 Class-B type sterilizer 6.4 Different type of programs	<b>M/s VERTEX MEDICAL</b> <b>TABLE TOP STERILIZER:</b> MODEL: TTA 23 MANUFACTURER: STEELCO S.p.A., ITALY COUNTRY OF ORIGIN: ITALY 6.1 Chamber Volume: 23 Liters. 6.2 Microprocessor Controlled with digital display unit. 6.3 Class-B type sterilizer with stand-alone table. 6.4 Different type of programs.
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<b>TECHNICAL COMMITTEE MEMBERS</b> <b>Signatures</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar 	<b>Project Director</b> KICH Peshawar 	<b>Director Finance</b> MTI/HMC Peshawar 	<b>Director Admin/Finance</b> KICH Peshawar 	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar 	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd. 	<b>End User</b> 
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6.4 Different type of programs	6.5 Temperature range 134 oC	6.5 Yes	6.5 Temperature range 134OC	6.5 Temperature range 134OC.
6.5 Temperature range 134°C	6.6 Temperature and pressure recorder and printer (will be supplied through MMM Group against L/C)	6.6 Yes	6.6 Temperature and pressure recorder and printer	6.6 Temperature and pressure recorder and printer.

7 OIL FREE AIR COMPRESSOR (01 No)	M/s Total Technologies OIL FREE AIR COMPRESSOR Model: AirMed 258-50 Make: FIAC Country of Origin: ITALY	M/s NEW ERA TECHNOLOGIES OIL FREE AIR COMPRESSOR Model: Not Mentioned Country of Origin: Not Mentioned	M/s STRONGMAN MEDIFUR OIL FREE AIR COMPRESSOR Make: SMS s.p z o.o. - Poland.	M/s MEDILAND PAKISTAN Oil free Air Compressor Model: 6003000382 Make: Gefinge Infection Control Country of manufacturer: Sweden	M/s VERTEX MEDICAL OIL FREE AIR COMPRESSOR: SUPPLIED BY: STEELCO, ITALY.
7.1 Compressor oil free. Noiseless, single stage, two cylinders with electric motor, pressure 8-10 bar.	7.1 Compressor oil free. Noiseless, single stage. Two cylinders with electric motor/as per Manufacturer design. Pressure 8-9 Bar.	7.1 Yes	7.1 Compressor oil free. Noiseless, single stage, two cylinders with electric motor, pressure 8-10 bar.	7.1 Compressor oil free. Noiseless. Single stage, two cylinders with electric motor. Pressure 8-10 Bar.	
7.2 Capacity: as per same manufacturer recommendations.	7.2 Capacity 229 Lpm, compatible to offered equipment. (will be supplied by TTPL)	7.2 Yes	7.2 Capacity: as per same manufacturer recommendations.	7.2 Capacity As per same manufacturer recommendations.	

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
Signatures							







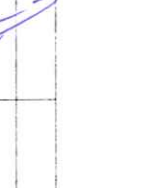
8	ULTRASONIC CLEANER (02 No)	<p>M/s Total Technologies</p> <p>ULTRASONIC CLEANER Model: SONICA 5300 Epi (i- Flush mounted/Integrated Version) Make: Soltec Srl Country of Origin: Italy/EU</p>	<p>M/s NEW ERRA TECHNOLOGIES</p> <p>ULTRASONIC CLEANER Model: Not Mentioned Country of Origin: Not Mentioned</p>	<p>M/s STRONGMAN MEDIFUR ULTRASONIC CLEANER Model: Sonic-22 Make: Polsonic – Poland</p>	<p>M/s MEDILAND PAKISTAN Ultrasonic Cleaner Model: Gefinge Elmasonic Med 500 Make: Gefinge Infection control Country of manufacturer: Sweden</p>	<p>M/s VERTEX MEDICAL ULTRASONIC CLEANER: MODEL:999 US28 FM000 MANUFACTURER:STEELCO S.p.A , ITALY COUNTRY OF ORIGIN: ITALY</p>
8.1	Ultrasonic cleaner inbuilt type, cleaning chamber constructed of corrosive resistant 304 SS.	8.1 Ultrasonic cleaner table Top type, cleaning chamber constructed of corrosive resistant 304 SS.	8.1 Yes	8.1 Ultrasonic cleaner inbuilt type, cleaning chamber constructed of corrosive resistant 304 SS.	8.1 Ultrasonic cleaner integrated type , cleaning chamber constructed of corrosive resistant 304 SS.	8.1 Ultrasonic cleaner integrated type, cleaning chamber constructed of corrosive resistant 304 SS.
8.2	Heating thermostatically controlled. Digital display of time and temperature. Tank Capacity 28 Ltr.	8.2 Heating thermostatically controlled. Digital display of time and temperature. Tank Capacity 28 Ltr.	8.2 Yes	8.2 Heating thermostatically controlled. Digital display of time and temperature. Tank Capacity 30 Liter.	8.2 Heating thermostatically controlled. Digital display of time and temperature. Capacity 40.3 Ltr	8.2 Heating thermostatically controlled. Digital display of time and temperature. Tank Capacity 28 Liter.
8.3	System complete with basket, lid and other standard accessories. Operation 220V, 50 Hz.	8.3 System complete with basket, lid and other standard accessories. Operation 220V, 50 Hz. (will be Supplied by through MMM Group against L/C)	8.3 Yes	8.3 System complete with basket, lid and other standard accessories. Operation 220V, 50 Hz.	8.3 System completes with basket, lid and other standard accessories. Operation 220V, 50 Hz	8.3 System completes with basket, LID and other standard accessories. Operation 220V,50 Hz.

Note:

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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	Note: Non-integrated Ultrasonic Cleaning units may also be acceptable								(Non-integrated Ultrasonic Cleaning units may also be acceptable)
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9	TRANSPORT AND DISTRIBUTION TROLLEY (02)	M/s Total Technologies	M/s NEW ERA TECHNOLOGIES	M/s STRONGMAN MEDIFUR	M/s MEDILAND PAKISTAN	M/s VERTEX MEDICAL	9.1 Distribution trolley, 03 shelves made of stainless steel, size approx. 700x500x800 mm. (WxDxH)	9.1 Distribution trolley, 03 shelves made of stainless steel, size approx. 700 x 500 x 800mm. (WxDxH)	9.1 Distribution trolley, 03 shelves made of stainless steel, size 700x500x800mm3. (WxDxH).
		TRANSPORT AND DISTRIBUTION TROLLEY Model: Customized Make/Supplier: Total Technologies Pvt. Ltd Country of Origin: Pakistan	TRANSPORT AND DISTRIBUTION TROLLEY Model: Not Mentioned Country of Origin: Not Mentioned	TRANSPORT AND DISTRIBUTION TROLLEY Model: WTS-69 Make: SMS s.p z o.o. - Poland.	Transport and Distribution Trolley Model: Customized Make: Local Country of manufacturer: Pakistan	TRANSPORT & DISTRIBUTION TROLLEY MODEL: 999M0BWRAP04 MANUFACTURER: STEELCO S.p.A , ITALY COUNTRY OF ORIGIN: ITALY			

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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10	PAPER DISPENSING TROLLEY (02)	M/s Total Technologies PAPER DISPENSING TROLLEY Model: Customized Make/Supplier: Total Technologies Pvt. Ltd Country of Origin: Pakistan	M/s NEW ERA TECHNOLOGIES PAPER DISPENSING TROLLEY Model: Not Mentioned Country of Origin: Not Mentioned	M/s STRONGMAN MEDIFUR PAPER DISPENSING TROLLEY Model: WAP-4 Make: SMS s.p z o.o. – Poland.	M/s MEDILAND PAKISTAN Paper Dispensing Trolley Model: Customized Make: Local Country of manufacturer: Pakistan	M/s VERTEX MEDICAL PAPER DISPENSING TROLLEY: MODEL: 999M0BWRAP04 MANUFACTURER: STEELCO S.p.A , ITALY COUNTRY OF ORIGIN: ITALY
10.1	Movable paper dispenser trolley made of stainless steel for storing of sterilization paper sheets at packing tables. 04 frames for paper sheet of 1200mm and one bottom shelf. Mobile with two lockable wheels.	10.1 Movable paper dispenser trolley made of stainless steel for storing of sterilization paper sheets at packing tables. 04 frames for paper sheet of 1200mm and one bottom shelf. Mobile with two lockable wheels.	10.1 Yes	10.1 Movable paper dispenser trolley made of stainless steel for storing of sterilization paper sheets at packing tables. 04 frames for paper sheet of 1200mm and one bottom shelf. Mobile with two lockable wheels.	10.1 Moveable paper dispenser trolley made of stainless steel for storing of sterilization paper sheets at packing tables. 04 frames for paper sheet of 1360mm and one bottom shelf. Mobile with two lockable wheels.	

11	PAPER SEALING MACHINE (02)	M/s Total Technologies PAPER SEALING MACHINE Model: Steripack 85 Make/Supplier: Hawo / MMM Group	M/s NEW ERA TECHNOLOGIES PAPER SEALING MACHINE Model: Not Mentioned Country of Origin: Not Mentioned	M/s STRONGMAN MEDIFUR PAPER SEALING MACHINE Model: FT08-D Make: FAMOS – Netherlands	M/s MEDILAND PAKISTAN Sealing Machine Model: Gefinge ProSeal Premium Make: Gefinge Infection Control	M/s VERTEX MEDICAL PAPER SEALING MACHINE: MODEL: PS 400 MANUFACTURER: STEELCO S.p.A , ITALY
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TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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	11.1 Microprocessor controlled automatic heat sealer for sterilization bags and pouches. Stainless steel body with printing mechanism. Adjustable temperature up to 200° C. Speed approx. 10m/min.	Country of Origin: Germany	11.1 Yes	11.1 Microprocessor controlled automatic heat sealer for sterilization bags and pouches. Stainless steel body with printing mechanism. Adjustable temperature up to 200° C. Speed approx. 10m/min.	Country of manufacturer: Sweden	COUNTRY OF ORIGIN: ITALY
	11.1 Microprocessor controlled automatic heat sealer for sterilization bags and pouches. Stainless steel body with printing mechanism. Adjustable temperature up to 200° C. Speed approx. 10m/min.	Country of Origin: Germany	11.1 Yes	11.1 Microprocessor controlled automatic heat sealer for sterilization bags and pouches. Stainless steel body with printing mechanism. Adjustable temperature up to 200° C. Speed approx. 10m/min.	Country of manufacturer: Sweden	COUNTRY OF ORIGIN: ITALY

12	CUTTING DEVICE (02)	M/s Total Technologies	M/s NEW ERRA TECHNOLOGIES	M/s STRONGMAN MEDIFUR	M/s MEDILAND PAKISTAN	M/s VERTEX MEDICAL
	12.1 For storage and preparation of paper/Plastic bags in rolls. The cutting knife is made of tempered stainless	CUTTING DEVICE Model: hm 631s (Cat # 10007774) Make/Supplier: Hawo / MMM Group Country of Origin: Germany	CUTTING DEVICE Model: Not Mentioned Country of Origin: Not Mentioned	CUTTING DEVICE Model: TS-750 Make: SMS s.p z o.o. - Poland.	Paper Cutting Machine Model: 6003000308 Make: Gefinge Infection control Country of manufacturer: Sweden	CUTTING DEVICE: MODEL: PS Pouch Seal Cutter MANUFACTURER: STEELO S.p.A , ITALY COUNTRY OF ORIGIN: ITALY
	12.1 For storage and preparation of paper/Plastic bags in rolls. The cutting knife is made of tempered stainless	12.1 Yes	12.1 Yes	12.1 For storage and preparation of paper/Plastic bags in rolls. The cutting knife is made of tempered stainless steel and is self-	12.1 For storage and preparation of paper/Plastic bags in rolls. The cutting knife is made of tempered stainless steel and is self-	12.1 For storage and preparation of paper/Plastic bags in rolls.

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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	steel and is self-grinding, Size 750mm.	grinding, Size 700-1000mm.	grinding, Size: 900 X 330 X 170 mm	The cutting knife is made of tempered stainless steel and is self-grinding. Size 700mm.
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13	TAPE DISPENSER (06)	M/s Total Technologies TAPE DISPENSER Model: 10585106 Supplier: MMM GROUP Country of Origin: EU / Taiwan / ROC (subject to product availability)	M/s NEW ERRA TECHNOLOGIES TAPE DISPENSER Model: Not Mentioned Country of Origin: Not Mentioned	M/s STRONGMAN MEDIFUR TAPE DISPENSER Model: SMS-557-TP Make: SMS s.p z o.o. - Poland.	M/s MEDILAND PAKISTAN Tape Dispensing Unit Model: 561570701 Make: Gefinge Infecion control Country of manufacturer: Sweden	M/s VERTEX MEDICAL TAPE DISPENSER: MODEL: 9992091 Double Tape Dispenser MANUFACTURER: STEELCO S.p.A. ITALY COUNTRY OF ORIGIN: ITALY	13.1 Tape dispenser for autoclave tape. Main parts of the dispenser are made of metal. Design for two roll of tape.	13.1.1 Yes	13.1.1 Tape dispenser for autoclave tape. Main parts of the dispenser are made of metal. Design for two roll of tape.	13.1 Tape dispenser for autoclave tape. Main parts of the dispenser are made of metal. Design for two roll of tape.
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14	FREE STANDING RACK (08)	M/s Total Technologies FREE STANDING RACK Model: Customized	M/s NEW ERRA TECHNOLOGIES FREE STANDING RACK Model: Not Mentioned	M/s STRONGMAN MEDIFUR FREE STANDING RACK Model: RU-3/90-5P	M/s MEDILAND PAKISTAN FREE STANDING BASKET RACK Model: Customized	M/s VERTEX MEDICAL FREE STANDING BASKETS RACK:
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TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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14.1 Free standing basket storage rack 04 single sections. Size approx. 1500x400x1800mm.	Make/Supplier: Total Technologies Pvt. Ltd Country of Origin: Pakistan	Country of Origin: Not Mentioned	Make: SMS s.p z o.o. - Poland.	Make: Local Country Manufacturer: Pakistan	MODEL: 999MOBMST000 + 999MOBMSWS00 MANUFACTURER: STEELCO S.p.A, ITALY COUNTRY OF ORIGIN: ITALY 14.1 Free standing basket storage rack 04 single sections. Size 1200x600x1800mm.
14.1 Free standing basket storage rack 04 single sections. Size approx. 1500x400x1800mm.	14.1 Yes	14.1 Free standing basket storage rack 04 single sections. Size approx. 1500 x 400 x 1800mm.	14.1 Free standing basket storage rack 04 single sections. Size approx. 1500 x 400 x 1800mm.	14.1 Free standing basket storage rack 4 single sections Size approx. 1500 x 400 x 1800 mm	14.1 Free standing basket storage rack 04 single sections. Size 1200x600x1800mm.

15.1 Table top of Stainless Steel with two drawers, stand of stainless steel	Total Technologies PACKING TABLE Model: Customized Make/Supplier: Total Technologies Pvt. Ltd Country of Origin: Pakistan	M/s NEW ERRA TECHNOLOGIES PACKING TABLE Model: Not Mentioned Country of Origin: Not Mentioned	M/s STRONGMAN MEDIFUR PACKING TABLE Model: SRT16.7.N + FAM9006 (mag. lamp. LED, EU + UK power plug) Make: SMS s.p z o.o. - Poland.	M/s MEDILAND PAKISTAN Packing Table Model: Customized Make: Local Country Manufacturer: Pakistan	M/s VERTEX MEDICAL Packing Table TOP : 999TAF00+1600 Support for Shelves: 999TAASU0000 Flat Shelves: 999TAASH0001 Electrical Column: 999TAAEL16000 Examination Lamp: 999TAALA0000 MANUFACTURER: STEELCO S.p.A, ITALY COUNTRY OF ORIGIN: ITALY 15.1 Table top of Stainless Steel with one drawers.
15.1 Table top of Stainless Steel with two drawers, stand of stainless steel	15.1 Yes	15.1 Table top of Stainless Steel with two drawers, Stand of stainless steel including	15.1 Table top of Stainless Steel with two drawers, Stand of stainless steel including	15.1 Table top of Stainless Steel with two drawer, stand of stainless steel including two tops	15.1 Table top of Stainless Steel with one drawers.

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd	End User
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including two top mounted shelves and illuminated Magnifier. 15.2 Dimensions approx. 1600 X 800 X 800 mm.	stand of stainless steel including two top Mounted shelves and Illuminated Magnifier. 15.2 Dimensions approx. 1600 X 800 X 800 mm.	two top mounted shelves and illuminated Magnifier. 15.2 Dimensions approx. 1600 x 800 x 800mm.	mounted shelves and illuminated Magnifier. 15.2 Dimensions approx. 1600 X 800 X 800 mm.	Stand of stainless steel including two top mounted shelves and illuminated Magnifier. 15.2 Dimensions approx. 1600 X 800 X 800 mm.
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16 LINEN TABLE (02)	M/s Total Technologies. LINEN TABLE Model: Customized Make/Supplier: Total Technologies Pvt. Ltd Country of Origin: Pakistan	M/s NEW ERRA TECHNOLOGIES LINEN TABLE Model: Not Mentioned Country of Origin: Not Mentioned	M/s STRONGMAN MEDIFUR LINEN TABLE Model: SR14.P Make: SMS s.p z o.o. - Poland.	M/s MEDILAND PAKISTAN Linen Inspection Table Model: Customized Make: Local Country of Manufacturer: Pakistan	M/s VERTEX MEDICAL LINEN TABLE: MODEL: 999M08WRAP05 MANUFACTURER: STEELCO S.p.A, ITALY COUNTRY OF ORIGIN: ITALY
16.1 Inspection and folding for linen, the table top will be made of Stainless-Steel top with inspection window. The frame is made of	16.1 Inspection and folding for linen, the table top made of Stainless-Steel top with inspection window. The frame is made of stainless steel.	16.1 Yes	16.1 Inspection and folding for linen, the table top will be made of Stainless-Steel top with inspection window. The frame is made of stainless steel.	16.1 Inspection and folding for linen, The table top will be made of Stainless-Steel made of Stainless-Steel top with inspection window.	16.1 Inspection and folding for linen, The table top will be made of Stainless-Steel made of Stainless-Steel top with inspection window.

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/H/MC Peshawar	Project Director KICH Peshawar	Director Finance MTI/H/MC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/H/MC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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stainless steel. Dimensions (1600 X 800 X 900 mm).	Dimensions (1600 X 800 X 900 mm).	steel. Dimensions (1600 x 800 x 900mm).	The frame is made of stainless steel. Approx. Dimensions (1600 X 800 X 900 mm).	The frame is made of stainless steel. Approx. Dimensions (1600 X 800 X 900 mm).
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17	<p><b>MODULAR WIRE BASKET (03 times of total volume capacity)</b></p> <p>17.1 Modular wire Basket made of stainless steel for disinfections, loading/unloading equipment, Sterilizers as well as storage racks and distribution trolley. Pile loaded /stackable.</p>	<p><b>M/S Total Technologies</b></p> <p><b>MODULAR WIRE BASKET (03 times of total volume capacity)</b></p> <p>Model: Customized Make/Supplier: Total Technologies Pvt. Ltd Country of Origin: Pakistan</p> <p>17.1 Modular wire Basket made of stainless steel for disinfections, loading/unloading equipment, Sterilizers as well as storage racks and distribution trolley. Pile loaded /stackable.</p>	<p><b>M/S NEW ERRA TECHNOLOGIES</b></p> <p><b>MODULAR WIRE BASKET</b></p> <p>Model: Not Mentioned Country of Origin: Not Mentioned</p> <p>17.1 Yes</p>	<p><b>M/S STRONGMAN MEDIFUR</b></p> <p><b>MODULAR WIRE BASKET (03 times of total volume capacity)</b></p> <p>Make: SMS s.p z o.o. – Poland.</p> <p>17.1 Modular wire Basket made of stainless steel for disinfections, loading/unloading equipment, Sterilizers as well as storage racks and distribution trolley. Pile loaded /stackable.</p>	<p><b>M/S MEDILAND PAKISTAN</b></p> <p><b>MODULAR WIRE BASKET (03 times of total volume capacity)</b></p> <p>Model: Customized Make: Local Country Manufacturer: Pakistan</p> <p>17.1 Modular wire Basket made of stainless steel for disinfections, loading/unloading equipment, Sterilizers as well as storage racks and distribution trolley. Pile loaded /stackable.</p>	<p><b>M/S VERTEX MEDICAL</b></p> <p><b>MODULAR WIRE BASKET (03 time of total volume capacity):</b></p> <p>MODEL: 999TASSB001 MANUFACTURER: STEELCO S.p.A., ITALY COUNTRY OF ORIGIN: ITALY</p> <p>17.1 Modular wire Basket made of stainless steel for disinfections, loading/unloading equipment, Sterilizers as well as storage racks and distribution trolley. Pile loaded /stackable.</p>
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<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
<b>Signatures</b>							

17.2 Compatible with instruments/utensils of the system. Size approx (580 X 390 X 190 mm) acceptable up to the tolerance of +10% in size.	17.2 Compatible with instruments/utensils of the system. Size approx (580 X 390 X 190 mm) acceptable up to the tolerance of +10% in size.	17.2 Yes	17.2 Compatible with instruments/utensils of the system. Size approx (580 X 390 X 190mm).	17.2 Compatible with instruments/utensils of the system. Size approx (580 X 390 X 190 mm) up to the tolerance of +10% in size.	17.2 Compatible with instruments/utensils of the system. Size approx. (575 X 275 X 260 mm).
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18	<b>CLOSED TRANSPORT TROLLEY (02)</b>  18.1 Closed transport trolley made of stainless steel, lockable, Front wheels with directional locks and back wheels with brakes. Size approx (900 X 650 X 1250 mm) / 6 STU.	<b>M/s Total Technologies</b>  <b>CLOSED TRANSPORT TROLLEY</b> Model: Customized Make/Supplier: Total Technologies Pvt. Ltd Country of Origin: Pakistan	<b>M/s NEW ERA TECHNOLOGIES</b>  <b>CLOSED TRANSPORT TROLLEY</b> Model: Not Mentioned Country of Origin: Not Mentioned	<b>M/s STRONGMAN MEDIFUR</b>  <b>CLOSED TRANSPORT TROLLEY</b> Model: WZ-61 Make: SMS s.p z o.o. - Poland.	<b>M/s MEDILAND PAKISTAN</b>  <b>CLOSED TRANSPORT TROLLEY</b> Model: Customized Make: Local Country Manufacturer: Pakistan	<b>M/s VERTEX MEDICAL</b>  <b>CLOSED TRANSPORT TROLLEY:</b> MODEL: 999EHW2S1DT0 MANUFACTURER: STEELCO S.p.A, ITALY COUNTRY OF ORIGIN: ITALY
18.1 Closed transport trolley made of stainless steel, lockable, Front wheels with directional locks and back wheels with brakes. Size approx (900 X 650 X 1250 mm) / 6 STU.	18.1 Closed transport trolley made of stainless steel, lockable, Front wheels with directional locks and back wheels with brakes. Size approx (900 X 650 X 1250 mm) / 6 STU.	18.1 Yes	18.1 Closed transport trolley made of stainless steel, lockable, Front wheels with directional locks and back wheels with brakes. Size approx. (900 x 650 x 1250mm) / 6 STU.	18.1 Closed transport trolley made of stainless steel, lockable, Front wheels with directional locks and back wheels with brakes. Size approx. (900 X 650 X 1250 mm).	18.1 Closed transport trolley made of stainless steel, lockable, Front wheels with directional locks and back wheels with brakes. Size: 965 X 750 X 1470 mm).	

<b>TECHNICAL COMMITTEE MEMBERS</b>  <b>Signatures</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
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19	PACKING MATERIAL/ TESTING/ CONFIRMATION KITS (Optional) The firm will mandatory to quote the unit price of packing, testing and confirmation test kits/ paper as per following detail;	M/s Total Technologies	M/s NEW ERRA TECHNOLOGIES	M/s STRONGMAN MEDIFUR PACKING MATERIAL / TESTING / CONFIRMATION KITS The firm will mandatory to quote the unit price of packing. Testing and confirmation test kits / paper as per following;	M/s MEDILAND PAKISTAN PACKING MATERIAL/ TESTING/ CONFIRMATION KITS (optional)	M/s VERTEX MEDICAL PACKING MATERIAL / TESTING / CONFIRMATION KITS
	The unit price of packing, testing and confirmation test kits / paper as per following detail;	The unit price of packing, testing and confirmation test kits / paper as per following detail;				
	19.1 Imported (EU or equivalent) Pack 50	19.1 Yes quoted		19.1 Crepe Paper Green (50x50) cm x 500 sheets. Pack 50	19.1 Crepe Paper Green (50x50) cm x 500 sheets Pack 50	19.1 Crepe Paper Green (50x50) cm x 500 sheets 50 Packs
	19.2 Imported (EU or equivalent) Pack 60	19.2 Yes quoted		19.2 Crepe Paper Green (75x75) cm x 250 sheets. Pack 60	19.2 Crepe Paper Green (75x75) cm x 250 sheets Pack 60	19.2 Crepe Paper Green (75x70) cm x 250 sheets 60 Packs
	19.3 Imported (EU or equivalent) Pack 60	19.3 Yes quoted		19.3 Crepe Paper Green (90x90) cm x 2500 sheets. Pack 60	19.3 Crepe Paper Green (90x90) cm x 250 sheets Pack 60	19.3 Crepe Paper Green (90x90) cm x 250 sheets 60 Packs
	19.4 Imported (EU or equivalent) Pack 50	19.4 Yes quoted		19.4 Crepe Paper Green (100x100) cm x 250 sheets. Pack 50	19.4 Crepe Paper Green (100x100) cm x 250 sheets Pack 50	19.4 Crepe Paper Green (100x100) cm x 250 sheets 50 Packs
	19.5 Imported (EU or equivalent) Pack 50	19.5 Yes quoted		19.5 Crepe Paper Green (120x120) cm x 100 sheets. Pack 50	19.5 Crepe Paper Green (120x120) cm x 100 sheets Pack 50	19.5 Crepe Paper Green (120x120) cm x 100 sheets 50 Packs

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finan ce KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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19.6 Flat Reel Two indicator (Steam + EO) 10 cm x 200 m Roll 50	19.6 Imported (EU or equivalent)	19.6 Yes quoted	19.6 Flat Reel Two indicator (Steam + EO) 10cm x 200m. Roll 50	19.6 Flat Reel Two indicator (Steam + EO) 10 cm x 200 m Roll 50	19.6 Flat Reel Two indicator (Steam + EO) 10 cm x 200 m 50 Rolls
19.7 Flat Reel Two indicator (Steam + EO) 15 cm x 200 m Roll 50	19.7 Imported (EU or equivalent)	19.7 Yes quoted	19.7 Flat Reel Two indicator (Steam + EO) 15cm x 200m. Roll 50	19.7 Flat Reel Two indicator (Steam + EO) 15 cm x 200 m Roll 50	19.7 Flat Reel Two indicator (Steam + EO) 15 cm x 200 m 50 Rolls
19.8 Flat Reel Two indicator (Steam + EO) 20 cm x 200 m Roll 50	19.8 Imported (EU or equivalent)	19.8 Yes quoted	19.8 Flat Reel Two indicator (Steam + EO) 20cm x 200m. Roll 50	19.8 Flat Reel Two indicator (Steam + EO) 20 cm x 200 m Roll 50	19.8 Flat Reel Two indicator (Steam + EO) 20 cm x 200 m 50 Rolls
19.9 Flat Reel Two indicator (Steam + EO) 25 cm x 200 m Roll 30	19.9 Imported (EU or equivalent)	19.9 Yes quoted	19.9 Flat Reel Two indicator (Steam + EO) 25cm x 200m. Roll 30	19.9 Flat Reel Two indicator (Steam + EO) 25 cm x 200 m Roll 30	19.9 Flat Reel Two indicator (Steam + EO) 25 cm x 200 m 30 Rolls
19.10 Flat Reel Two indicator (Steam + EO) 30 cm x 200 m Roll 30	19.10 Imported (EU or equivalent)	19.10 Yes quoted	19.10 Flat Reel Two indicator (Steam + EO) 30cm x 200m. Roll 30	19.10 Flat Reel Two indicator (Steam + EO) 30 cm x 200 m Roll 30	19.10 Flat Reel Two indicator (Steam + EO) 30 cm x 200 m 30 Rolls
19.11 Gusseted Reel Two indicator (Steam + EO) 10 cmx 5 cm x 100 m Roll 50	19.11 Imported (EU or equivalent)	19.11 Yes quoted	19.11 Gusseted Reel Two Indicator (Steam + EO) 10cm x 5cm x 100m. Roll 50	19.11 Gusseted Reel Two indicator (Steam + EO) 10 cmx 5 cm x 100 m Roll 50	19.11 Gusseted Reel Two indicator (Steam + EO) 10 cmx 5 cm x 100 m 50 Rolls
19.12 Gusseted Reel Two indicator (Steam + EO) 15 cm x 5 cm x 100 m Roll 50	19.12 Imported (EU or equivalent)	19.12 Yes quoted	19.12 Gusseted Reel Two Indicator (Steam + EO) 15cm x 5cm x 100m. Roll 50	19.12 Gusseted Reel Two indicator (Steam + EO) 15 cm x 5 cm x 100 m Roll 50	19.12 Gusseted Reel Two indicator (Steam + EO) 15 cmx 5 cm x 100 m 50 Rolls
19.13 Gusseted Reel Two indicator (Steam + EO) 20 cm x 5.5 cm x 100 m Roll 50	19.13 Imported (EU or equivalent)	19.13 Yes quoted	19.13 Gusseted Reel Two Indicator (Steam + EO) 20cm x 5.5cm x 100m. Roll 50	19.13 Gusseted Reel Two indicator (Steam + EO) 20 cm x 5.5 cm x 100 m Roll 50	19.13 Gusseted Reel Two indicator (Steam + EO) 20 cmx 5.5 cm x 100 m 50 Rolls

<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/H/MC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/H/MC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/H/MC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd	<b>End User</b>
<b>Signatures</b>							

19.14 Gusseted Reel Two indicator (Steam + EO) 25 cm x 6.5 cm x 100 m Roll 30	19.14 Imported (EU or equivalent)	19.14 Yes quoted	19.14 Gusseted Reel Two indicator (Steam + EO) 25 cm x 6.5 cm x 100 m Roll 30	19.14 Gusseted Reel Two indicator (Steam + EO) 25 cm x 6.5 cm x 100 m Roll 30	19.14 Gusseted Reel Two indicator (Steam + EO) 25 cm x 6.5 cm x 100 m Roll 30
19.15 Gusseted Reel Two indicator (Steam + EO) 30 cm x 8 cm x 100 m Roll 40	19.15 Imported (EU or equivalent)	19.15 Yes quoted	19.15 Gusseted Reel Two indicator (Steam + EO) 30 cm x 8 cm x 100 m Roll 40	19.15 Gusseted Reel Two indicator (Steam + EO) 30 cm x 8 cm x 100 m Roll 40	19.15 Gusseted Reel Two indicator (Steam + EO) 30 cm x 8 cm x 100 m Roll 40
19.16 Auto Clave Tape, Lead free 18 mm x 50 m Roll 1000	19.16 144-0, Autoclave tapes 19mm x 50 mtr. - Cantech-Canada	19.16 Yes quoted	19.16 Auto Clave Tape, Lead free 18 mm x 50m. Roll 1000	19.16 Auto Clave Tape, Lead free 18 mm x 50 m Roll 1000	19.16 Auto Clave Tape, Lead free 18 mm x 50 m. 1000 Rolls
19.17 Masking Tape 1/2" x 25 - 50 m Roll 1000	19.17 Masking Tape 1/2" x 25 - 50 m (Local/imp)	19.17 Yes quoted	19.17 Masking Tape 1/2" x 25 - 50m, Roll 1000	19.17 Masking Tape 1/2" x 25 - 50 m Roll 1000	19.17 Masking Tape 1/2" x 25 - 50 m. 1000 Rolls
19.18 Bowie & Dick Test Simulation kit (PCD+500 indicators) - Set 2	19.18 Bowie & Dick Test Simulation Kit (PCD+500 Indicators) - gke-Germany	19.18 Yes quoted	19.18 Bowie & Dick Test Simulation kit (PCD + 500 indicators) Set 2	19.18 Bowie & Dick Test Simulation kit (PCD + 500 indicators) Set 2	19.18 Bowie & Dick Test Simulation kit (PCD + 500 indicators). 2 Sets
19.19 Process Challenge Device Steam (PCD+500 indicators) - Set 3	19.19 Process Challenge Device Steam (PCD+500 Indicators) - gke-Germany	19.19 Yes quoted	19.19 Process Challenge Device steam (PCD + 500 indicators) Set 3	19.19 Process Challenge Device steam (PCD + 500 indicators) Set 3	19.19 Process Challenge Device steam (PCD + 500 indicators). 3 Sets
19.20 Biological indicator for Steam 50 Pcs.	19.20 SCBI FOR STEAM - gke-Germany	19.20 Yes quoted	19.20 Biological indicator for Steam. Pcs. 50	19.20 Biological indicator for Steam Pcs. 50	19.20 Biological indicator for Steam. 50 Pcs.
19.21 Biological Indicator for Gas 50 Pcs.	19.21 SCBI FOR STEAM - gke-Germany	19.21 Yes quoted	19.21 Biological indicator for Gas. Pcs. 50	19.21 Biological Indicator for Gas Pcs. 50	19.21 Biological Indicator for Gas. 50 Pcs.
19.22 Incubator for Biological indicator	19.22 610-122, incubator-gke-Germany	19.22 Yes quoted	19.22 Incubator for Biological indicator (Steam + Gas) Pcs. 1	19.22 Incubator for Biological indicator (Steam + Gas) Pcs. 1	19.22 Incubator for Biological indicator

<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
<b>Signatures</b>							

(Steam + Gas) Pcs. 1 19.24 Chemical /detergent(enzymatic) for manual use / Automated washing/ultrasonic cleaner with 7.8 pH value Canister (5 Ltr.) 5 19.25 Rinsing Aid chemical with 7.9 pH Canister (5 Ltr.) 2 19.26 High level Disinfectant for Manual Disinfection of instruments & endoscopes Canister (5 Ltr.) 2 19.27 Low / intermediate level Disinfectant for Manual Disinfection of instruments Canister (5 Ltr.) 3 19.28 Chemical for the treatment of rusted / discoloured instruments and washer Disinfectant chamber cleaning (Rust Remover) pH	19.24 deconex Prozyme Alka-X - Borer Chemie (Switzerland)  19.25 deconex 64 Neutraday - Borer Chemie (Switzerland) 19.26 deconex Instrument Plus- Borer Chemie (Switzerland)  19.27 deconex Instrument Plus - Borer Chemie (Switzerland)  19.28 deconex 34 GR - Borer Chemie (Switzerland)	19.24 Yes quoted  19.25 Yes quoted  19.26 Yes quoted  19.27 Yes quoted  19.28 Yes quoted	19.22 Incubator for Biological Indicator (Steam + Gas) Pcs. 1  19.24 Chemical / detergent (enzymatic) for manual use / Automated washing/ultrasonic cleaner with 7.8 pH value Canister (5 Ltr.) 5 19.25 Rinsing Aid / Automated washing / ultrasonic cleaner with 7.9 pH value Canister (5 Ltr.) 2 19.26 High level Disinfectant for Manual Disinfection of instruments & endoscopes Canister (5 Ltr.) 3 19.27 Low / intermediate level Disinfectant for Manual Disinfection of instruments Canister (5 Ltr.) 3 19.28 Chemical for the treatment of rusted / discoloured instruments and washer Disinfectant chamber cleaning (Rust Remover) pH 2.2 or less canister (5 Ltr.) 3	19.24 Chemical / detergent(enzymatic) for manual use / Automated washing/ultrasonic cleaner with 7.8 pH value Canister (5 Ltr.) 5 19.25 Rinsing Aid chemical with 7.9 pH Canister (5 Ltr.) 2 19.26 High level Disinfectant for Manual Disinfection of instruments & endoscopes Canister (5 Ltr.) 3 19.27 Low / intermediate level Disinfectant for Manual Disinfection of instruments Canister (5 Ltr.) 3 19.28 Chemical for the treatment of rusted / discoloured instruments and washer Disinfectant chamber cleaning (Rust Remover) pH 2.2 or less canister (5 Ltr.) 3	(Steam + Gas). 1 Pcs. 19.24 Chemical / detergent(enzymatic) for manual use / Automated washing/ultrasonic cleaner with 7.8 pH value Canister (5 Ltr.) 05 19.25 Rinsing Aid chemical with 7.9 pH Canister (5 Ltr.) 02 19.26 High level Disinfectant for Manual Disinfection of instruments & endoscopes Canister. 03 19.27 Low / intermediate level Disinfectant for Manual Disinfection of instruments Canister (5 Ltr.) . 03 19.28 Chemical for the treatment of rusted / discoloured instruments and washer Disinfectant chamber cleaning (Rust Remover) pH 2.2 or less canister. 03
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<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
<b>Signatures</b>							

<p>2.2 or less canister (5 Ltr.) 3 19.29 Lubricant spray for instrument, must be water soluble Bottle (200 ml) 5 19.30 Indicators for Washer Disinfecter Nos. 200 19.31 Indicators for ultrasonic cleaner Nos. 50 <b>Note:</b> The firms are required to quote the unit price of packing, testing and confirmation test kits/paper as per given detail. <b>Note:</b> Comprehensive 5-years warranty including the parts &amp; consumables of machine other than the packing material, (for item No. 19).</p>	<p>19.29 deconex Lube Spray - Borer Chemie (Switzerland) 19.30 Adhesive cleaning process Monitoring indicators for washer disinfecter- gke-Germany 19.31 Adhesive cleaning Process Monitoring indicators for ultrasonic cleaner- gke-Germany  Note : (*) ,items will be Provided by Total Technologies Private Limited Locally. Note: Comprehensive 5-years warranty including the parts &amp; consumables of machine other than the packing material, (for item No. 19).</p>	<p>19.29 Yes quoted 19.30 Yes quoted 19.31 Yes quoted</p>	<p>Remover) pH 2.2 or less canister (5 Liter) 3 19.29 Lubricant spray for instrument, must be water soluble Bottle (200 ml) 5 19.30 Indicators for washer Disinfecter. Nos. 200 19.31 Indicators for ultrasonic cleaner Nos. 50  Total CSSD Package Price; C&amp;F Basis, in Euro, with Delivery, Installation &amp; Training of User Staff</p>	<p>19.29 Lubricant spray for instrument, must be water soluble Bottle (200 ml) . 05 19.30 Indicators for Washer Disinfecter. 200 Nos. Indicators for ultrasonic cleaner. 50 Nos.</p>
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<p>TECHNICAL COMMITTEE MEMBERS</p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p>	<p>Project Director KICH Peshawar</p>	<p>Director Finance MTI/HMC Peshawar</p>	<p>Director Admin/Finance KICH Peshawar</p>	<p>Bio-Medical Engineer MTI/HMC Peshawar</p>	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p>	<p>End User</p>
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## LAUNDRY

Sl#	ITEM DESCRIPTION	M/s Total Technologies	M/s NEW ERRA TECHNOLOGIES	M/s STRONGMAN MEDIFUR	M/s MEDILAND PAKISTAN	M/s VERTEX MEDICAL
1	<p><b>WASHER EXTRACTOR (03)</b></p> <p>The Washer Extractor shall be steam heating free standing type, fully automatic with front loading/unloading. Fully programmable, microprocessor control. Stainless steel in all vital parts for high degree of rust protection. Stainless steel front panels and powder painted/ galvanized side panels. Liquid connections and detergent compartment.</p>	<p><b>WASHER EXTRACTOR</b> Model: HS6032 Make: Girbau, SA. Country of Origin: SPAIN</p> <p>The Washer Extractor Steam heating free standing type, fully automatic with front loading/unloading. Fully programmable, microprocessor control. Stainless steel in all vital parts for high degree of rust protection. Stainless steel front panels and powder painted side panels. Multi liquid supply connections / detergent compartment.</p>	<p><b>WASHER EXTRACTOR</b> Model: Not Mentioned Country of Origin: Not Mentioned</p> <p>Yes</p>	<p><b>WASHER EXTRACTOR</b> Model: TS-235 Make: TEKNOZEN s.r.l. – Italy. Make: TEKNOZEN s.r.l. Italy. The Washer Extractor shall be steam heating free standing type, fully automatic with front loading/unloading. Fully programmable, microprocessor control. Stainless steel in all vital parts for high degree of rust protection. Stainless steel front panels and powder painted / galvanized side panels. Liquid connections and detergent compartment.</p>	<p><b>WASHER EXTRACTOR FRONT LOADING TYPE 35KG OR BETTER:</b> Model: DHS-36 TOUCH II Make: DOMUS Country of Manufacturer: Spain</p> <ul style="list-style-type: none"> <li>The Washer Extractor is steam heating free standing type with front loading &amp; un-loading.</li> <li>Fully programmable microprocessor control.</li> <li>Drum and tub in stainless steel AISI 304.</li> <li>Stainless steel AISI 304 front panel and powder painted side panels,</li> <li>Liquid connection and Detergent dispenser with 5 compartments.</li> </ul>	



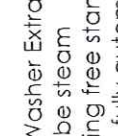




**Technical specifications:**

<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
<b>Signatures</b>							



<b>Technical specifications:</b> 1.1 Capacity/Load: 30-35 Kg. 1.2 Extraction: 770-800 rpm (Approx) 1.3 Pneumatic/ electronic drain valve 1.4 Cycle Time: Max. 45-60 min. 1.5 Frequency controlled motor	<b>Technical specifications:</b> 1.1 Capacity/Load: 32 kg (Filling Factor=1:10) 1.2 Extraction :930 rpm (Approx.max) 1.3 Electronic drain valve/Gravity drain 1.4 Cycle Time: Max. 45 to 60 min. 1.5 Frequency controlled motor drive system	1.1 Yes 1.2 Yes 1.3 Yes 1.4 Yes 1.5 Yes	<b>1.1 Capacity/Load:</b> <b>35 Kg.</b> 1.2 Extraction : 770-800 rpm (Approx.) 1.3 Pneumatic/ electronic drain valve 1.4 Cycle Time: Max. 45-60 min. 1.5 Frequency controlled motor	<b>1.1 Capacity/Load:</b> <b>35-39 Kg</b> 1.2 Extraction: 966rpm 1.3 Electric drain valve (no need of air compressor) 1.4 Cycle time: 45-60 min (Totally programmable) 1.5 Electronic control of imbalance with frequency control
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<b>2 WASHER EXTRACTOR HYGIENE (02 Nos)</b> The Washer Extractor shall be steam heating free standing type, fully automatic with front / back loading/unloading. Fully programmable, microprocessor control.	<b>M/s</b> <b>Total Technologies</b> <b>WASHER EXTRACTOR HYGIENE</b> Model: BW 260 Make: Girbau, SA. Country of Origin: SPAIN The Washer Extractor Steam heating free standing type, fully automatic with front / back loading/unloading. Fully programmable, microprocessor control.	<b>M/s</b> NEW ERRA TECHNOLOGIES <b>WASHER EXTRACTOR HYGIENE</b> Model: Not Mentioned Country of Origin: Not Mentioned Yes	<b>M/s</b> <b>STRONGMAN MEDIFUR WASHER EXTRACTOR HYGIENE</b> Model: BWT-25 Make: TEKNOZEN s.r.l. – Italy. Make: TEKNOZEN s.r.l. Italy. The Washer Extractor shall be steam heating free standing type, fully automatic with front/back loading/unloading. Fully programmable, Fully	<b>M/s</b> <b>MEDILAND PAKISTAN Washer Extractor Hygiene:</b> Model: DHB-27 TOUCH II Make: DOMUS Country of Manufacturer: Spain • The Hygienic barrier type Washer Extractor is steam heating free standing type with front loading & back un-loading.	<b>M/s</b> <b>VERTEX MEDICAL</b>
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<b>TECHNICAL COMMITTEE MEMBERS</b> <b>Signatures</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar 	<b>Project Director</b> KICH Peshawar 	<b>Director Finance</b> MTI/HMC Peshawar 	<b>Director Admin/Finance</b> KICH Peshawar 	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar 	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd. 	<b>End User</b> 
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<p>microprocessor control. Stainless steel in all vital parts for high degree of rust protection, Stainless steel front panels and powder painted side panels. Multi liquid supply connections and detergent compartment.</p> <p><b>Technical specifications:</b>  2.1 Capacity/Load: 25-30 Kg.  2.2 Extraction : 800 rpm (Approx)  2.3 Pneumatic/ electric drain valve (Gravity Type)  2.4 Cycle Time: Max. 45-60 min.  2.5 Frequency controlled motor  2.6 Oil lubrication of bearing gaskets or equivalent</p>	<p>Stainless steel in all vital parts for high degree of rust protection, Stainless steel front panels and powder painted side panels. Multi liquid supply connections/ detergent compartment.</p> <p><b>Technical specifications:</b>  2.1 Capacity/Load: 26 Kg.(1:10)  2.2 Extraction :915 rpm (Approx)  2.3 electric drain valve (Gravity Type)  2.4 Cycle Time: Max. 45-60 min.  2.5 Frequency controlled motor  2.6 Oil lubrication of bearing gaskets or latest technology</p>	<p>programmable, microprocessor control. Stainless steel in all vital parts for high degree of rust protection, Stainless steel front panels and powder painted / galvanized side panels, Multi liquid supply connections and detergent compartment.</p> <p><b>Technical specifications:</b>  2.1 Capacity/Load: 25 Kg.  2.2 Extraction : 800 rpm (Approx.)  2.3 Pneumatic / electric drain valve  2.4 Cycle Time: Max. 45-60 min.  2.5 Frequency controlled motor  2.6 Oil lubrication of bearing gaskets or equivalent</p>	<p>• User friendly and fully programmable microprocessor control, Screen on both sides of the machine as standard</p> <ul style="list-style-type: none"> <li>• Top panel, drum and vat in stainless steel AISI 304,</li> <li>• Stainless steel frame front panel and side panels,</li> <li>• Multi liquid supply connection and 04 detergent compartments.</li> </ul> <p><b>Technical specifications:</b>  2.1 Capacity/Load: 27-30 Kg  2.2 Extraction: 920rpm  2.3 Electric drain valve (no need of air compressor)  2.4 Cycle time: 45-60 min (totally programmable)  2.5 Frequency inverter to control imbalance of machine  2.6 Lubrication bearing gasket</p>
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p>In-Charge Purchase &amp; Procurement MTI/H/MC Peshawar</p>	<p>Project Director KICH Peshawar</p>	<p>Director Finance MTI/H/MC Peshawar</p>	<p>Director Admin/Finance KICH Peshawar</p>	<p>Bio-Medical Engineer MTI/H/MC Peshawar</p>	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p>	<p>End User</p>
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3	<p><b>DRYING TUMBLER (03)</b></p> <p>Drying Tumbler with steam heating, fully automatic</p> <p>Microprocessor control having stainless steel drum and 2 full loads per hour. Error codes for easy trouble shooting.</p> <p>Service program for adjustment of parameters, temperature and cool down time. The tumbler to be factory painted with enameled paint and have the following specifications:</p>	<p><b>Total Technologies</b></p> <p><b>DRYING TUMBLER</b></p> <p>Model: ED660</p> <p>Make: Girbau, SA.</p> <p>Country of Origin: SPAIN</p> <p>Drying Tumbler with steam heating, fully automatic</p> <p>Microprocessor control having stainless steel drum and 2 full loads per hour. Error codes for easy trouble shooting.</p> <p>Service program for adjustment of parameters, temperature and cool down time. The tumbler to be factory painted with enameled paint and have the following specifications:</p>	<p><b>M/s</b></p> <p><b>NEW ERRA TECHNOLOGIES</b></p> <p><b>DRYING TUMBLER</b></p> <p>Model: Not Mentioned</p> <p>Country of Origin: Not Mentioned</p> <p>Yes</p>	<p><b>M/s</b></p> <p><b>STRONGMAN MEDIFUR DRYING TUMBLER</b></p> <p>Model: T-35</p> <p>Make: TEKNOZEN s.r.l. - Italy.</p> <p>Drying Tumbler with steam heating, fully automatic</p> <p>Microprocessor control having stainless steel drum and 2 full loads per hour. Error codes for easy trouble shooting.</p> <p>Service program for adjustment of parameters, temperature and cool down time. The tumbler to be factory painted with enameled paint and shall have the following specifications:</p>	<p><b>M/s</b></p> <p><b>MEDILAND PAKISTAN DRYING TUMBLER 30 KG DRY WEIGHT</b></p> <p>Model: DTT-28 DYNAMIC</p> <p>Make: DOMUS</p> <p>Country of Manufacturer: Spain</p> <ul style="list-style-type: none"> <li>• Dryer Tumbler with steam heating free standing type.</li> <li>• User friendly and totally programmable</li> <li>• 4"3" Touch II (option 7" screen) USB Connection, PC software free of charge for programming.</li> <li>• traceability, data analysis... Videos on display (ads, instructions, etc.)</li> <li>• 37 languages</li> <li>• Stainless steel drum as standard with 2 full loads per hours.</li> <li>• Error codes for easy trouble shooting, traceability, data analysis.</li> </ul>	<p><b>M/s</b></p> <p><b>VERTEX MEDICAL</b></p>
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b></p> <p>MTI/HMC Peshawar</p>	<p><b>Project Director</b></p> <p>KICH Peshawar</p>	<p><b>Director Finance</b></p> <p>MTI/HMC Peshawar</p>	<p><b>Director Admin/Finance</b></p> <p>KICH Peshawar</p>	<p><b>Bio-Medical Engineer</b></p> <p>MTI/HMC Peshawar</p>	<p><b>Consultant</b></p> <p>Summit Healthcare Consultants (Pvt) Ltd.</p>	<p><b>End User</b></p>
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**Signatures**

<p>3.1 Capacity of drying tumbler: 30-40 Kg.</p> <p>3.2 Drum Volume: 550-600 Lit.</p> <p>3.3 Cycle Time: 30-40 min. including loading &amp; unloading reversing drum time</p>	<p>3.1 Yes</p> <p>3.2 Yes</p> <p>3.3 Yes</p>	<p>3.1 Capacity of drying tumbler: 33 kg (Filling Factor= 1:20)</p> <p>3.2 Drum Volume: 660 Lit.</p> <p>3.3 Cycle Time/Drying time: 27 min. (Approx) including loading &amp; unloading including reversing drum time</p>	<p>3.1 Capacity of drying tumbler: <b>35 Kg.</b></p> <p>3.2 Drum Volume: 550-600 Lit.</p> <p>3.3 Cycle Time: 30-40 min. including loading &amp; unloading including reversing drum time</p>	<p>Adjustable Service programs for adjustment of parameters, temperature and cool down time with selection of drying time.</p> <ul style="list-style-type: none"> <li>The tumbler is factory painted with enameled paint &amp; have the following <b>Specifications:</b></li> </ul> <p>3.1 Capacity of drying tumbler: 31 Kg</p> <p>3.2 Drum Volume : 550 Lit</p> <p>3.3 Cycle Time :30-40 Min (Totally programmable) Loading and Unloading including Reversing drum action as standard</p>
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4	FLAT WORK DRYER IRONER (01 No)	M/s Total Technologies FLAT WORK DRYER IRONER	M/s NEW ERRA TECHNOLOGIES FLAT WORK DRYER IRONER	M/s STRONGMAN MEDIFUR FLAT WORK DRYER IRONER Model: G-26.50	M/s MEDILAND PAKISTAN FLAT WORK IRONER	M/s VERTEX MEDICAL
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TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd	End User
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<p>Flat Work Dryer Ironer shall be steam heated, cylindrical type having single roller/cylinder. Automatic speed adjustment. Finger guard protection, Nickel/ Chrome-plated cylinder, Front loading and Front return and shall have following minimum specifications:</p> <p>4.1 Speed: 2-8 m/ min (variable speed)</p> <p>4.2 Drive: Electrical Motor</p> <p>4.3 Feeding: Through Belts</p> <p>4.4 Cylinder Dia: 450 - 500 mm</p> <p>Approximately</p> <p>4.5 Working Width: 2500 - 3000 mm</p> <p>Approximately</p> <p>4.6 The Dryer Ironer to be a compact free standing self-</p>	<p><b>Model: PB 5125</b>  <b>Make: Girbau, SA.</b>  <b>Country of Origin: SPAIN</b>  Flat Work Dryer Ironer is steam heated with automatic linen detection, cylindrical type having single roller/cylinder. Automatic speed adjustment. Finger guard protection, Nickel-plated cylinder,.Front loading and Front return and have following minimum specifications:</p> <p>4.1 Speed: 1-9 m/ min (variable speed)</p> <p>4.2 Drive: Electrical Motor</p> <p>4.3 Feeding: Through Belts</p> <p>4.4 Cylinder Dia: 510 mm</p> <p>4.5 Working Width: 2530 mm</p> <p>4.6 The Dryer Ironer to be a compact free standing self-contained unit and</p>	<p>Model: Not Mentioned  Country of Origin: Not Mentioned</p> <p>Yes</p> <p>4.1 Yes</p> <p>4.2 Yes</p> <p>4.3 Yes</p> <p>4.4 Yes</p> <p>4.5 Yes</p> <p>4.6 Yes</p>	<p><b>Make: GMP – ITALY</b>  <b>Make: TEKNOZEN s.r.l.</b>  Italy.</p> <p>Automatic speed adjustment. Finger guard protection, Nickel/Chrome-plated cylinder, Front loading and Front return and shall have following minimum specifications:</p> <p>4.1 Speed: 2-8 m/ min (variable speed)</p> <p>4.2 Drive: Electrical Motor</p> <p>4.3 Feeding: Through Belts</p> <p>4.4 Cylinder Dia: 450 - 500 mm</p> <p>Approximately</p> <p>4.5 Working Width: 2500 - 3000 mm</p> <p>Approximately</p> <p>4.6 The Dryer Ironer to be a compact free standing self-contained unit and</p>	<p><b>Model: CM-2650 TOUCH</b>  <b>Make: DOMUS</b>  <b>Country of Manufacturer: Spain</b>  Flat work ironer is steam heated, cylindrical type having single roller/cylinder. Automatic speed adjustment. Finger guard protection Flatwork ironer is equipped with Chrome-plated cylinder more anticorrosive, more durable  Front loading front return with following specifications:</p> <p>4.1 Ironer speed 1 – 8 m/ min (variable speed)</p> <p>4.2 Drive: Electrical Motor</p> <p>4.3 Nomex quality feeding and ironing belts: high temperatures resistant</p> <p>4.4 Cylinder Dia : 500 mm</p>
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<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
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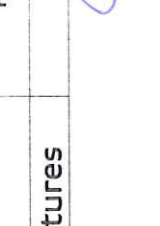

contained unit and to be supplied in factory assembled state.	to be supplied in factory assembled state	to be supplied in factory assembled state.	4.5 Working Width: 2600 mm Heating Medium: Steam 4.6 The Ironer is compact free-standing unit and will be supplied in factory assembled state.
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5 UTILITY PRESS (02 Nos)  Air operated laundry press adjustable squeezing pressure between head and buck. 5.1 Steam heating	M/s Total Technologies UTILITY PRESS Model: P 88 U3 AB (AB= Lowering of the press head controlled by two push buttons)  Make/Supplier: GHIDINI / Girbau, SA. Country of Origin: ITALY  Air operated laundry press adjustable squeezing pressure between head and buck. 5.1 Steam heating 5.2 Separate Air supply through air compressor	M/s NEW ERRA TECHNOLOGIES UTILITY PRESS Model: Not Mentioned Country of Origin: Not Mentioned  Yes  5.1 Yes 5.2 Yes	M/s STRONGMAN MEDIFUR UTILITY PRESS Make: TEKNOZEN s.r.l. - Italy.  Air operated laundry press adjustable squeezing pressure between head and buck. 5.1 Steam heating 5.2 Integrated/ separate air compressor	M/s MEDILAND PAKISTAN Utility Press with built-in air compressor: - Model: PUN-C Make: DOMUS Country of MANUFACTURER: SPAIN  • The Utility press is stream heating and air operated laundry press adjustable squeezing pressure between head and buck. 5.1 Steam heating Compressor unit. 2 HP.	M/s VERTEX MEDICAL
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TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
Signatures							 37   84

5.2 Integrated/ separate air compressor	(will be provided by TTPL as per capacity requirement of the final BOQ of utility presses)	5.3 Fitted with timer and two hand push buttons	5.3 Yes	5.3 Fitted with timer and two hand push buttons	5.3 The press is fitted with timer and two hand push buttons for its operation and complete with its accessories.
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6 HAND IRON (STEAM OPERATED) WITH IRONING TABLE (01 No)	M/s Total Technologies HAND IRON (STEAM OPERATED) WITH IRONING TABLE Model: DORIS Make/Supplier: GHIDINI/Girbau, SA. Country of Origin: ITALY	M/s NEW ERRA TECHNOLOGIES HAND IRON (STEAM OPERATED) WITH IRONING TABLE Model: Not Mentioned Country of Origin: Not Mentioned	M/s STRONGMAN MEDIFUR HAND IRON (STEAM OPERATED) WITH IRONING TABLE Make: TEKNOZEN s.r.l. - Italy.	M/s MEDILAND PAKISTAN STEAM HAND IRON WITH IRONING TABLE Model: TP-A Make: DOMUS Country of MANUFACTURER: SPAIN	M/s VERTEX MEDICAL
Steam heated iron, with mechanical steam valve, steam and return pipes with support, pipes connections set, with cut off valve and	<ul style="list-style-type: none"> <li>Version without boiler</li> <li>Utility vacuum table with electrically heated board</li> <li>Built-in suction unit controlled by foot pedal</li> </ul>	<ul style="list-style-type: none"> <li>Steam heated iron, with mechanical steam valve, steam and return pipes with support, pipes connections set, with cut off valve and thermodynamic trap, iron rest.</li> </ul>	<ul style="list-style-type: none"> <li>Steam heated iron with mechanical steam valve.</li> <li>Steam and return pipes with support.</li> <li>Pipes connections set with cut off valve and thermodynamic trap iron rest.</li> </ul>	<ul style="list-style-type: none"> <li>Steam heated iron with mechanical steam valve.</li> <li>Steam and return pipes with support.</li> <li>Pipes connections set with cut off valve and thermodynamic trap iron rest.</li> </ul>	

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
Signatures							


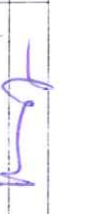


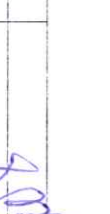
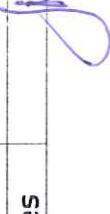

	thermodynamic trap, iron rest.					
	<ul style="list-style-type: none"> <li>Adjustable board temperature by thermostat</li> <li>Pedals on both sides of the table</li> </ul>					

SEWING MACHINE (01 No)	M/s Total Technologies	M/s NEW ERRA TECHNOLOGIES SEWING MACHINE	M/s STRONGMAN MEDIFUR SEWING MACHINE	M/s MEDILAND PAKISTAN SEWING MACHINE:	M/s VERTEX MEDICAL
7.1 Motorized, Heavy duty with sewing machine table	SEWING MACHINE Model: DDL-8100E Make: Juki Country of Manufacturer /Origin : Japan/ROC	Model: Not Mentioned Country of Origin: Not Mentioned	Make: Italy.	Model: 4452 Make: Singer Country of MANUFACTURER: USA	
7.1 Motorized, Heavy duty with sewing machine table	7.1 Motorized, Heavy duty with sewing machine table (Will be supplied by us locally with import documents)	7.1 Yes	7.1 Motorized, Heavy duty with sewing machine table	7.1 Motorized, Heavy duty with sewing machine table.	

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement	Project Director	Director Finance	Director Admin/Finance	Bio-Medical Engineer	Consultant	End User
	MTI/HMC Peshawar	KICH Peshawar	MTI/HMC Peshawar	ce KICH Peshawar	MTI/HMC Peshawar	Summit Healthcare Consultants (Pvt) Ltd.	
Signatures							



8	WEIGHING SCALE (01 No)	M/s Total Technologies WEIGHING SCALE Model: H350-8 Make: SHEKEL Country of Origin: ROC	M/s NEW ERRA TECHNOLOGIES WEIGHING SCALE Model: Not Mentioned Country of Origin: Not Mentioned	M/s STRONGMAN MEDIFUR WEIGHING SCALE Make: Italy. Supplier: TEKNOZEN s.r.l. Italy.	M/s MEDILAND PAKISTAN WEIGHING SCALE: Model: Customized Make: Local Country of MANUFACTURER: Pakistan	M/s VERTEX MEDICAL
8.1	Digital weighing scale having wall mounted panel.	8.1 Digital weighing scale having wall mounted panel.	8.1 Yes	8.1 Digital weighing scale having wall mounted panel.	8.1 Digital Weighing scale having wall mounted panel.	
8.2	Capacity 300kg.	8.2 Capacity 300kg.	8.2 Yes	8.2 Capacity 150-200Kg.	8.2 Capacity 150-200kg.	
8.3	Platform (approx. 800 x 800mm) with ramp for weighing trolley easy movements. (Will be supplied by us locally)	8.3 Platform (approx. 800 x 800mm) with ramp for weighing trolley easy movements.	8.3 Yes	8.3 Platform (Approx. 800 x 800mm) with ramp for weighing trolley easy movements.	8.3 Platform (approx 800x800mm) with ramp of weighing trolley easy movements.	

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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<p>9</p> <p><b>PACKING/SORTING TABLE (04)</b></p> <p>9.1 The main structure is completely built with tubular profiles in Stainless Steel AISI 304, settled among them with TIG procedure, with plain in plate strengthened and supported in the underlying part. With 4 plastic feet in the corners.</p> <p>9.2 Dimensions: Length: 1400 mm, Width: 800 mm, Height: 900 mm</p>	<p><b>Total Technologies</b></p> <p><b>PACKING/SORTING TABLE</b> Model: Customized Make/Supplier: Total Technologies Pvt. Ltd Country of Origin: Pakistan</p> <p>9.1 The main structure is completely built with tubular profiles in Stainless Steel AISI 304, settled among them with TIG procedure, with plain in plate strengthened and supported in the underlying part. With 4 plastic feet in the corners.</p> <p>9.2 Dimensions: Length: 1400 mm, Width: 800 mm, Height: 900 mm</p>	<p><b>M/S NEW ERRA TECHNOLOGIES</b> <b>PACKING/SORTING TABLE</b> Model: Not Mentioned Country of Origin: Not Mentioned</p> <p>9.1 Yes</p>	<p><b>M/S STRONGMAN MEDIFUR</b> <b>PACKING/SORTING TABLE</b> Make: TEKNOZEN s.r.l. – Italy.</p> <p>9.1 The main structure is completely built with tubular profiles in Stainless Steel AISI 304, settled among them with TIG procedure, with plain in plate strengthened and supported in the underlying part. With 4 plastic feet in the corners. Dim: L: 1400 mm, W: 800 mm, H: 900 mm.</p>	<p><b>M/S MEDILAND PAKISTAN</b> <b>PACKING STORING TABLE</b> Model: CUSTOMIZED Make: Local Country of MANUFACTURER: Pakistan</p> <p>9.1 The main structure is completely built with tubular profiles in Stainless Steel AISI 304, settled among them with TIG procedure with plain in plate strengthened and supported in the underlying part. With 4 plastic feet in the corners.</p> <p>9.2 Dimensions: Length: 1400 mm, Width: 800 mm, Height: 900 mm</p>	<p><b>M/s VERTEX MEDICAL</b></p>
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p>	<p><b>Project Director</b> KICH Peshawar</p>	<p><b>Director Finance</b> MTI/HMC Peshawar</p>	<p><b>Director Admin/Finance</b> KICH Peshawar</p>	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p>	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p>	<p><b>End User</b></p>
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<p>10 DIRTY LINEN TROLLEYS FOR WORKING INSIDE DIRTY AREA (02)</p>	<p>M/s Total Technologies DIRTY LINEN TROLLEYS FOR WORKING INSIDE DIRTY AREA Model: Customized Make/Supplier: Total Technologies Pvt. Ltd Country of Origin: Pakistan</p>	<p>M/s NEW ERRA TECHNOLOGIES DIRTY LINEN TROLLEYS FOR WORKING INSIDE DIRTY AREA Model: Not Mentioned Country of Origin: Not Mentioned</p>	<p>M/s STRONGMAN MEDIFUR DIRTY LINEN TROLLEYS FOR WORKING INSIDE DIRTY AREA Make: TEKNOZEN s.r.l. - Italy.</p>	<p>M/s MEDILAND PAKISTAN DIRTY LINEN COLLECTION TROLLEYS Model: CUSTOMIZED Make: Local Country of MANUFACTURER: Pakistan</p>	<p>M/s VERTEX MEDICAL</p>
<p>10.1 Made with Aluminum plate, walls and bottom. 10.2 Framework for supporting wheels and bottom reinforcement, in robust extruded section bar of Aluminum. 10.3 Entirely welded in reinforced with round profile. Entirely welded in the joints with TIG procedure.</p>	<p>10.1 Made with steel, walls and bottom. 10.2 Framework for supporting wheels and bottom reinforcement. Upper edge reinforced with round profile/equivalent to avoid sharp edges. 10.3 Entirely welded in the joints with TIG procedure.</p>	<p>10.1 Yes 10.2 Yes 10.3 Yes 10.4 Yes</p>	<p>10.1 Made with Aluminum plate, walls and bottom. 10.2 Framework for supporting wheels and bottom reinforcement, in robust extruded section bar of Aluminum. Upper edge reinforced with round profile. 10.3 Entirely welded in the joints with TIG procedure.</p>	<p>10.1 Made with Aluminum plate, walls and bottom. 10.2 Framework for supporting wheels and bottom reinforcement, in robust extruded section bar of Aluminum. Upper edge reinforced with round profile. 10.3 Entirely welded in the joints with TIG procedure.</p>	<p>10.1 Made with Aluminum plate, walls and bottom. 10.2 Framework for supporting wheels and bottom reinforcement, in robust extruded section bar of Aluminum. Upper edge reinforced with round profile. 10.3 Entirely welded in the joints with TIG procedure. 10.4 In the anterior part of the bottom there is a water discharge tap 3/4". Complete with double removable bottom, perforated for the</p>

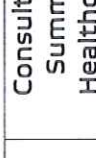
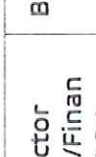
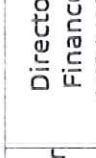
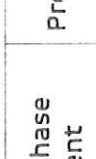
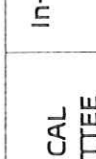

<p>TECHNICAL COMMITTEE MEMBERS</p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p>	<p>Project Director KICH Peshawar</p>	<p>Director Finance MTI/HMC Peshawar</p>	<p>Director Admin/Finance KICH Peshawar</p>	<p>Bio-Medical Engineer MTI/HMC Peshawar</p>	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p>	<p>End User</p>
<p>Signatures</p>							

<p>Complete with double removable bottom, perforated for the drainage. Mounted on n.4 rubber wheels (2 fixed and 2 swivels) arranged at the corners.</p> <p>10.5 Dimensions: LENGHT: 1030 mm, DEEPNESS:630 mm, HIGHNESS:710 mm (approx)</p>	<p>Complete with bottom, perforated for the drainage. Mounted on n.4 rubber wheels (2 fixed and 2 swivels) arranged at the corners.</p> <p>10.5 Dimensions: LENGHT: 1030 mm, DEEPNESS:630 mm, HIGHNESS:710 mm (approx)</p>	<p>10.5 Yes</p>	<p>Complete with double removable bottom, Perforated for the drainage. Mounted on n.4 rubber wheels (2 fixed and 2 swivels) arranged at the corners.</p> <p>10.5 Dim: L: 1030 mm, D: 630 mm, H: 710 mm.</p>	<p>drainage. Mounted on 04 rubber wheels diam.200 mm (2 fixed and 2 swivels) arranged at the corners.</p> <p>10.5 Dim.: 1030 x 630 x 710 mm (LxDxH)</p>
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<p>11 CLEAN LINEN TROLLEYS FOR WORKING INSIDE CLEAN AREA (02)</p> <p>11.1 Made with Aluminum plate, walls and bottom.</p>	<p>M/s Total Technologies CLEAN LINEN TROLLEYS FOR WORKING INSIDE CLEAN AREA Model: Customized Make/Supplier: Total Technologies Pvt. Ltd Country of Origin: Pakistan</p> <p>11.1 Made with Stainless steel, walls and bottom.</p>	<p>M/s NEW ERRA TECHNOLOGIES CLEAN LINEN TROLLEYS FOR WORKING INSIDE CLEAN AREA Model: Not Mentioned Country of Origin: Not Mentioned</p> <p>11.1 Yes</p>	<p>M/s STRONG/MAN MEDIFUR CLEAN LINEN TROLLEYS FOR WORKING INSIDE CLEAN AREA Make: TEKNOZEN s.r.l. - Italy.</p> <p>11.1 Made with Aluminum plate, walls and bottom.</p>	<p>M/s MEDILAND PAKISTAN CLEAN LINEN TROLLEYS FOR WORKING INSIDE CLEAN AREA. Model: CUSTOMIZED Make: Local Country of MANUFACTURER: Pakistan</p> <p>11.1 Made with Aluminum plate, walls and bottom.</p>	<p>M/s VERTEX MEDICAL</p>
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<p>TECHNICAL COMMITTEE MEMBERS</p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p>	<p>Project Director KICH Peshawar</p>	<p>Director Finance MTI/HMC Peshawar</p>	<p>Director Admin/Finance KICH Peshawar</p>	<p>Bio-Medical Engineer MTI/HMC Peshawar</p>	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p>	<p>End User</p>
<p>Signatures</p>							

<p>11.2 Framework for supporting wheels and bottom reinforcement, in robust extruded section bar of Aluminum.</p> <p>11.3 Upper edge reinforced with round profile. Entirely welded in the joints with TIG procedure.</p> <p>11.4 In the anterior part of the bottom there is a water discharge tap 3/4". Complete with double removable bottom, perforated for the drainage. Mounted on n.4 rubber wheels diam.200 mm (2 fixed and 2 swivels) arranged at the corners.</p> <p>11.5 Dimensions: LENGHT: 1030 mm, DEEPNESS:630 mm, HIGHNESS:710 mm</p>	<p>11.2 Framework for supporting wheels and bottom reinforcement, in bar of Aluminum.</p> <p>Upper edge reinforced with round profile.</p> <p>11.3 Entirely welded in the joints with TIG procedure.</p> <p>11.4 In the anterior part of the bottom there is a water discharge tap 3/4". Complete with double removable bottom, perforated for the drainage. Mounted on n.4 rubber wheels diam.200 mm (2 fixed and 2 swivels) arranged at the corners.</p> <p>11.5 Dimensions: L: 1030 mm, D: 630 mm, H: 710 mm.</p>	<p>11.2 Framework for supporting wheels and bottom reinforcement. Upper edge reinforced with round profile /equivalent to avoid sharp edges.</p> <p>11.3 Entirely welded in the joints with TIG procedure.</p> <p>11.4 In the anterior part of the bottom there is a water discharge tap 3/4". Complete with bottom, perforated for the drainage. Mounted on n.4 rubber wheels diam.150-200 mm (2 fixed and 2 swivels) arranged at the corners.</p> <p>11.5 Dimensions: LENGHT: 1030 mm, DEEPNESS:630 mm, HIGHNESS:710 mm (approx)</p>	<p>11.2 Yes</p> <p>11.3 Yes</p> <p>11.4 Yes</p> <p>11.5 Yes</p>	<p>11.2 Framework for supporting wheels and bottom reinforcement, in robust extruded section bar of Aluminum.</p> <p>Upper edge reinforced with round profile.</p> <p>11.3 Entirely welded in the joints with TIG procedure.</p> <p>11.4 In the anterior part of the bottom there is a water discharge tap 3/4". Complete with double removable bottom, perforated for the drainage. Mounted on n.4 rubber wheels diam.200 mm (2 fixed and 2 swivels) arranged at the corners.</p> <p>11.5 Dimensions: L: 1030 mm, D: 630 mm, H: 710 mm.</p>	<p>11.2 Framework for supporting wheels and bottom reinforcement. Upper edge reinforced with round profile /equivalent to avoid sharp edges.</p> <p>11.3 Entirely welded in the joints with TIG procedure.</p> <p>11.4 In the anterior part of the bottom there is a water discharge tap 3/4". Complete with bottom, perforated for the drainage. Mounted on n.4 rubber wheels diam.150-200 mm (2 fixed and 2 swivels) arranged at the corners.</p> <p>11.5 Dimensions: LENGHT: 1030 mm, DEEPNESS:630 mm, HIGHNESS:710 mm (approx)</p>
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p> 	<p><b>Project Director</b> KICH Peshawar</p> 	<p><b>Director Finance</b> MTI/HMC Peshawar</p> 	<p><b>Director Admin/Finance</b> KICH Peshawar</p> 	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p> 	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd</p> 	<p><b>End User</b></p>
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12	<p><b>CLOSED TROLLEYS TO RUN BETWEEN MAIN BUILDING &amp; LAUNDRY AREA (04)</b></p> <p>12.1 Made with Aluminum/ SS plate, walls and bottom.</p> <p>12.2 Framework for supporting wheels and bottom reinforcement, in robust extruded section bar of Aluminum/ SS. Upper edge reinforced with round profile.</p> <p>12.3 Entirely welded in the joints with TIG procedure. Complete with sealed enclosed structure to protect from infection; in case of dirty Lenin.</p>	<p><b>Total Technologies</b></p> <p>CLOSED TROLLEYS TO RUN BETWEEN MAIN BUILDING &amp; LAUNDRY AREA</p> <p>Model: Customized</p> <p>Make/Supplier: Total Technologies Pvt. Ltd</p> <p>Country of Origin: Pakistan</p> <p>12.1 Made of SS plate, walls and bottom.</p> <p>12.2 Framework for supporting wheels and bottom reinforcement SS. Upper edge reinforced with round profile/equivalent to avoid sharp edges.</p> <p>12.3 Entirely welded in the joints with TIG procedure. Complete with sealed enclosed structure to protect from infection; in case of dirty Lenin. Mounted on n.4 rubber wheels diam.150-200 mm</p>	<p><b>M/s NEW ERRA TECHNOLOGIES</b></p> <p>CLOSED TROLLEYS TO RUN BETWEEN MAIN BUILDING &amp; LAUNDRY AREA</p> <p>Model: Not Mentioned</p> <p>Country of Origin: Not Mentioned</p> <p>12.1 Yes</p> <p>12.2 Yes</p> <p>12.3 Yes</p>	<p><b>M/s STRONGMAN MEDIFUR</b></p> <p>CLOSED TROLLEYS TO RUN BETWEEN MAIN BUILDING &amp; LAUNDRY AREA</p> <p>Make: TEKNOZEN s.r.l. - Italy.</p> <p>12.1 Made with Aluminum / SS plate, walls and bottom.</p> <p>12.2 Framework for supporting wheels and bottom reinforcement, in robust extruded section bar of Aluminum/SS. Upper edge reinforced with round profile.</p> <p>12.3 Entirely welded in the joints with TIG procedure. Complete with sealed enclosed structure to protect from infection; in case of dirty Lenin.</p>	<p><b>M/s MEDILAND PAKISTAN</b></p> <p>CLOSED TROLLEYS TO RUN BETWEEN MAIN BUILDING &amp; LAUNDRY AREA.</p> <p>Model: CUSTOMIZED</p> <p>Make: Local</p> <p>Country of MANUFACTURER: Pakistan</p> <p>12.1 Made with Aluminum plate, walls and bottom.</p> <p>12.2 Framework for supporting wheels and bottom reinforcement, in robust extruded section bar of Aluminum. Upper edge reinforced with round profile.</p> <p>12.3 Entirely welded in the joints with TIG procedure. Completed with sealed enclosed structure to protect from infection. Mounted on 4 04 rubber wheels diam.200 mm (2 fixed</p>	<p><b>M/s VERTEX MEDICAL</b></p>
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b></p> <p>MTI/HMC Peshawar</p>	<p><b>Project Director</b></p> <p>KICH Peshawar</p>	<p><b>Director Finance</b></p> <p>MTI/HMC Peshawar</p>	<p><b>Director Admin/Finance</b></p> <p>ce KICH Peshawar</p>	<p><b>Bio-Medical Engineer</b></p> <p>MTI/HMC Peshawar</p>	<p><b>Consultant</b></p> <p>Summit Healthcare Consultants (Pvt) Ltd.</p>	<p><b>End User</b></p>
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Mounted on n.4 rubber wheels diam.200 mm (2 fixed and 2 swivels) arranged at the corners.	(2 fixed and 2 swivels) arranged at the corners.	Mounted on n.4 rubber wheels diam.200 mm (2 fixed and 2 swivels) arranged at the corners.	and 2 swivels) arranged at the corners.
12.4 Dimensions: LENGHT: 1030 mm, DEEPNESS:630 mm, HIGHNESS:710 mm	12.4 Dimensions: LENGHT: 1030 mm, DEEPNESS:630 mm (approx)/As per standard size	12.4 Dimension: L: 1030 mm, D: 630 mm, H: 710 mm	12.4 Dimensions: LENGHT: 1030 mm, DEEPNESS:630 mm, HIGHNESS:710 mm

13	CLOSED TROLLEYS TO RUN BETWEEN MAIN BUILDING & LAUNDRY AREA (04)	Total Technologies CLOSED TROLLEYS TO RUN BETWEEN MAIN BUILDING & LAUNDRY AREA Model: Customized Make/Supplier: Total Technologies Pvt. Ltd Country of Origin: Pakistan	M/S NEW ERRA TECHNOLOGIES Duplicate Part of Item No. 12	M/S STRONGMAN MEDIFUR CLOSED TROLLEYS TO RUN BETWEEN MAIN BUILDING & LAUNDRY AREA Make: TEKNOZEN s.r.l. -- Italy.	M/S MEDILAND PAKISTAN Duplicate Part of Item No. 12	M/s VERTEX MEDICAL
13.1 Made with Aluminium/ SS plate, walls, shelves and bottom to take the clean linen.	13.1 Made of SS plate, walls and bottom.	13.1 Made with Aluminium / SS plate, walls, shelves and bottom to the clean linen.	13.1 Made with Aluminium / SS plate, walls, shelves and bottom to the clean linen.	13.1 Made with Aluminium / SS plate, walls, shelves and bottom supporting wheels and bottom reinforcement, in		
13.2 Framework for supporting wheels	13.2 Framework for supporting wheels and bottom reinforcement SS.	13.2 Framework for supporting wheels and bottom reinforcement SS.				

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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<p>and bottom reinforcement, in robust extruded section bar of Aluminium/ SS. Upper edge reinforced with round profile.</p> <p>13.3 Entirely welded in the joints with TIG procedure. Complete with sealed structure to protect from infection/ dirt. Mounted on n.4 rubber wheels diam.200 mm (2 fixed and 2 swivels) arranged at the corners.</p> <p>13.4 Dimensions: LENGHT: 1030 mm, DEEPNESS:630 mm, HIGHNESS:710 mm</p>	<p>Upper edge reinforced with round profile/equivalent to avoid sharp edges.</p> <p>13.3 Entirely welded in the joints with TIG procedure. Complete with sealed enclosed structure to protect from infection, in case of dirty Lenin. Mounted on n.4 rubber wheels diam. 150-200 mm (2 fixed and 2 swivels) arranged at the corners.</p> <p>13.4 Dimensions: LENGHT: 1030 mm, DEEPNESS:630 mm, HIGHNESS:710 mm (approx)/As per standard size</p>	<p>robust extruded section bar of Aluminium/SS. Upper edge reinforced with round profile.</p> <p>13.3 Entirely welded in the joints with TIG procedure. Complete with sealed enclosed structure to protect from infection / dirt. Mounted on n.4 rubber wheels diam.200 mm (2 fixed and 2 swivels) Arrange at the corners.</p> <p>13.4 Dimension: L: 1030 mm, D: 630 mm, H: 710 mm</p>	
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14	STORAGE RACKS (08 Nos)	M/s Total Technologies	M/s NEW ERRA TECHNOLOGIES	M/s STRONGMAN MEDIFUR STORAGE RACKS	M/s MEDILAND PAKISTAN	M/s VERTEX MEDICAL
		STORAGE RACKS Model: Customized	STORAGE RACKS Model: Not Mentioned	Make: TEKNOZEN s.r.l. - Italy.	STORAGE RACK Model: CUSTOMIZED	

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement	Project Director	Director Finance	Director Admin/Finance	Bio-Medical Engineer	Consultant	End User
	MTI/HMC Peshawar	KICH Peshawar	MTI/HMC Peshawar	ce KICH Peshawar	MTI/HMC Peshawar	(Pvt) Ltd.	17-184
<p>Signatures</p> 							



<p>14.1 Entirely built with Stainless Steel profiles.</p> <p>14.2 Electro-polish finishing.</p> <p>14.3 Possibility to insert shelves in Stainless steel wire, adjustable in height each 110 mm.</p> <p>14.4 Mounted on 4 rubber wheels diam. 125 mm in grey antimark rubber.</p> <p>14.5 Dim: Length: 1400 mm, Width: 800 mm, Height: 900 mm</p> <p><b>Note: The sizes are estimates.</b></p> <p><b>Following Chemicals/ powder for initial startup;</b></p> <p>Optional: 1 Heavy Duty Laundry Detergent</p>	<p>14.1 Entirely built with Stainless Steel profiles.</p> <p>14.2 Electro-polish finishing.</p> <p>14.3 Possibility to insert shelves in Stainless steel wire, adjustable in height each 110 mm.</p> <p>14.4 Mounted on 4 rubber wheels diam. 125 mm in grey anti mark rubber.</p> <p>14.5 Dim: L: 1400 mm, W: 800 mm, H: 900 mm (Note: The size are estimates)</p>	<p>Country of Origin: Not Mentioned</p> <p>14.1 Yes</p> <p>14.2 Yes</p> <p>14.3 Yes</p> <p>14.4 Yes</p> <p>14.5 Yes</p> <p>1 Yes will be provided</p>	<p><b>Make/Supplier: Total Technologies Pvt. Ltd</b></p> <p><b>Country of Origin: Pakistan</b></p> <p>14.1 Entirely built with Stainless Steel profiles.</p> <p>14.2 Electro-polish finishing.</p> <p>14.3 Possibility to insert shelves in Stainless steel wire, adjustable in height each 110 mm.</p> <p>14.4 Foot Mounted/4 rubber wheels diam. 125 mm in grey antimark rubber</p> <p>14.5 Dim: Length: 1400 mm, Width: 800 mm, Height: 900 mm</p> <p><b>Note: The sizes are estimates.</b></p> <p><b>Following Chemicals/ powder for initial startup;</b></p> <p>HLD- Heavy Duty Laundry Detergent) - Pail of 15 Kg/Can of 20 L</p>	<p><b>Country of Origin: Not Mentioned</b></p> <p>14.1 Yes</p> <p>14.2 Yes</p> <p>14.3 Yes</p> <p>14.4 Yes</p> <p>14.5 Yes</p> <p>1 Yes will be provided</p>	<p><b>Make: Local</b></p> <p><b>Country of MANUFACTURER: Pakistan</b></p> <p>14.1 Entirely built with Stainless Steel profiles.</p> <p>14.2 Electro-polish finishing.</p> <p>14.3 Possibility to insert shelves in Stainless steel wire, adjustable in height each 110 mm.</p> <p>14.4 Mounted on 4 rubber wheels diameter 125 mm in grey anti mark rubber.</p> <p>14.5 Dimensions Approx: Length: 1400 mm, Width: 800 mm, Height: 900 mm</p> <p><b>Following Chemicals/ powder for initial startup ; Prices to quote optionally.</b></p> <p>1. Heavy Duty Laundry Detergent and Booster Powder /</p>
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p>	<p><b>Project Director</b> KICH Peshawar</p>	<p><b>Director Finance</b> MTI/HMC Peshawar</p>	<p><b>Director Admin/Finance</b> KICH Peshawar</p>	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p>	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p>	<p><b>End User</b></p> <p>48   84</p>
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<p>and Booster Powder / Highly Alkaline / Stain removal with anti-redeposit agent and brightener. Pail 15 kg</p> <p>2. Liquid Laundry Detergent and Emulsifier. Can 10 liters 40</p> <p>3. Heavy duty Emulsifier for Heavy Stains. Can 10 liters 50</p> <p>4. Oxidizing Colour safe Stain remover and Bleach. Can 30 liters 40</p> <p>5. Chlorine Bleach concentrated and Stabilized. Can 10 liters 40</p> <p>6. Perfumed Laundry Softener for Towels. Can 20 liters 5</p> <p>7. Laundry Neutralizer and brightener highly concentrated. Pail 20 kg</p>	<p>1 EMDET- Liquid Detergent/ Emulsifier) - Can of 20 L</p> <p>2 EMDET EXTRA - Surfactant Booster/Emulsifier - Can of 20 L</p> <p>3 CHLOROCON - Color-safe Destainer - Can of 30 L</p> <p>4 XONAR PLUS - Concentrated Laundry Bleach - Can of 30 L</p> <p>5 TOUCH - Laundry Softener Perfumed - Can of 20 L</p> <p>6 REVIVE - Laundry Liquid Neutralizer - Pail of 20 Kg</p> <p>Make: Kleanex International Pvt. Limited - PAKISTAN Supplier: Total Technologies Private Limited</p>	<p>2 Yes will be provided</p> <p>3 Yes will be provided</p> <p>4 Yes will be provided</p> <p>5 Yes will be provided</p> <p>6 Yes will be provided</p> <p>7 Yes will be provided</p>	<p>Highly Alkaline / Stain removal with anti-redeposit agent and brightener. Pail 15 kg</p> <p>2. Liquid Laundry Detergent and Emulsifier. Can 10 liters 40</p> <p>3. Heavy duty Emulsifier for Heavy Stains. Can 10 liters 50</p> <p>4. Oxidizing Colour safe Stain remover and Bleach. Can 30 liters 40</p> <p>5. Chlorine Bleach concentrated and Stabilized. Can 10 liters 40</p> <p>6. Perfumed Laundry Softener for Towels. Can 20 liters 5</p> <p>7. Laundry Neutralizer and brightener highly concentrated. Pail 20 kg</p>
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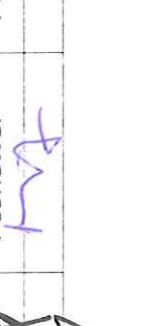
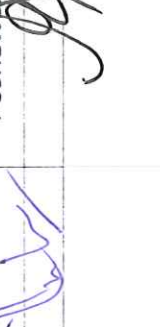

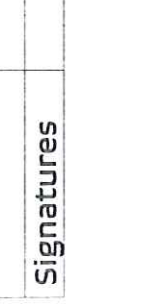


<p>TECHNICAL COMMITTEE MEMBERS</p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p>	<p>Project Director KICH Peshawar</p>	<p>Director Finance MTI/HMC Peshawar</p>	<p>Director Admin/Finance KICH Peshawar</p>	<p>Bio-Medical Engineer MTI/HMC Peshawar</p>	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p>	<p>End User</p>
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15	WATER TREATMENT UNIT	M/s Total Technologies WATER TREATMENT UNIT Model: Customized Make: Locally Assembled with imported Parts Supplier: Total Technologies Pvt. Ltd	M/s NEW ERRA TECHNOLOGIES WATER TREATMENT UNIT Model: Not Mentioned Country of Origin: Not Mentioned	M/s STRONGMAN MEDIFUR WATER TREATMENT UNIT (local) Make: BETA-CHEM, LAHORE.  Water treatment unit have to supply the treated water to the laundry & CSSD machines and Boiler. Water treatment unit assembled of USA, Europe or Japanese components; locally, will be provided. The capacity, flow and reservoir should be as per requirement of this system. (capacity may vary as per final BOQ) Note: Consumables i.e. regeneration salt, resin, filters, membranes etc. will not be supplied.	M/s MEDILAND PAKISTAN WATER TREATMENT UNIT Model: CUSTOMIZED Make: Local Country of Origin: Imported MANUFACTURER: Parts, Assembled locally  Water treatment unit to supply the treated water to the laundry & CSSD machines and Boiler. The capacity, flow and reservoir as per requirement of the system.	M/s VERTEX MEDICAL
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TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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16	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.1 The complete flooring of CSSD with anti-bacterial sheet/ tiles including cleaning equipment (floor scrubbing machine), thermos shoes assorted size (10-pairs) will be furnished by the firm as a turn key.	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.1 The complete flooring of CSSD with anti-bacterial sheet/ tiles including cleaning equipment (floor scrubbing machine), thermos shoes assorted size (10-pairs) will be provided by us.	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.1 Yes	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.1 Yes	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.1 The complete flooring of CSSD with anti-bacterial sheet/ tiles including cleaning equipment (floor scrubbing machine), thermos shoes assorted size (10-pairs) will be furnished by the firm as a turn key.
	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.2 Laundry exhaust / ducting / draining will be done by the firm.	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.2 Laundry exhaust / ducting / draining will be done by us.	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.2 Yes	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.2 Yes	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.2 Laundry exhaust / ducting / draining will be done by the firm.
	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.3 The installation will be checked and certified by the manufacturer with the effect that the system is as per their design standard and protocols.	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.3 Comply	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.3 Yes	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.3 Yes	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.3 The installation will be checked and certified by the manufacturer with the effect that the system is as per their design standard and protocols.
	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.4 The firm will certify that complete system will be	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.4 Comply	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.4 Yes	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.4 Yes	<b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b> 16.4 The firm will certify that complete system will be

<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
<b>Signatures</b>							

<p>installed in professional manners in compliance with engineering norms and standards for such systems in a turn-key manner. 16.5 The piping and auxiliary materials will be A1 class.</p>	<p>16.5 Comply</p>	<p>16.5 Yes</p>	<p>will be installed in professional manners in compliance with engineering norms and standards for such systems in a turn-key manner. 16.5 The piping and auxiliary materials will be A1 class.</p>	
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	M/s	M/s	M/s	M/s	M/s
<p>1 7 HIGH PRESSURE STEAM GENERATOR/ BOILER</p> <p>Dual fired boiler and economizer (Gas &amp; Diesel) Fire tube natural gas+ Diesel boiler, of specification mentioned below. The boiler complete with burner, burner controls, feed gas/ diesel train, feed water pumps, feed water tank, safeties, explosion doors,</p>	<p>STRONGMAN MEDIFUR HIGH PRESSURE STEAM GENERATOR/ BOILER Model: GOPI-2000 Make: Magnabasco s.r.l. - Italy.</p> <p>Fire tube natural gas high pressure boiler, of specification mentioned below. The boiler shall be complete with burner, burner controls, gas train feed water pumps, feed water tank, safeties, explosion doors, automatic controls, piping to the CSSD and</p>	<p>MEDILAND PAKISTAN HIGH PRESSURE STEAM GENERATOR/ BOILER Model: idfi-seriers (Customized) Make: Manara, Italy Country of MANUFACTURER: Italy Fire tube natural gas+ Diesel high pressure boiler, of specification mentioned below. The boiler shall be complete with burner, boiler shall be complete with burner, burner controls, gas/ diesel train, feed water pumps, feed water tank, safeties, explosion doors.</p>	<p>NEW ERRA TECHNOLOGIES HIGH PRESSURE STEAM GENERATOR/ BOILER Model: Not Mentioned Country of Origin: Not Mentioned</p> <p>Yes</p>	<p>Total Technologies HIGH PRESSURE STEAM GENERATOR/ BOILER Model: SIXEN 1700 Make: ICI CALDAIE Country of Origin: ITALY</p> <p>Fire tube natural gas + Diesel high pressure boiler, of specification mentioned below. The boiler complete with burner, burner controls, gas/ diesel train, feed water pumps, feed water tank, safeties, explosion doors,</p>	<p>VERTEX MEDICAL</p>

<p>TECHNICAL COMMITTEE MEMBERS</p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p>	<p>Project Director KICH Peshawar</p>	<p>Director Finance MTI/HMC Peshawar</p>	<p>Director Admin/Finance KICH Peshawar</p>	<p>Bio-Medical Engineer MTI/HMC Peshawar</p>	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p>	<p>End User</p>
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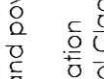


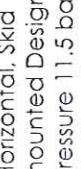
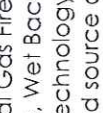

<p>train, feed water pumps, feed water tank, safeties, explosion doors, automatic controls, piping to the CSSD plant and Laundry including other accessories required to complete the installation and to bring the unit into operational state with following main components;</p> <p><b>17.1 Gas Fired Boiler &amp; Economizer</b></p> <p>a. 1.5-TPH @ 10Bars gas fired boiler  b. Burner, single fuel  c. Boiler valves &amp; Control set  d. Economizer, Finned tube  e. Chimney, 6m</p> <p>f. 2x Feed water pumps</p>	<p>automatic controls, piping to the CSSD plant and Laundry including other accessories required to complete the installation and to bring the unit into operational state with following main components;</p> <p><b>17.1 Dual Fired Boiler &amp; Economizer* (Gas and Diesel)</b></p> <p>a. 1.7TPH @ 10Bars gas fired boiler  b. Burner, dual fuel (Natural Gas &amp; Oil)  c. Boiler valves &amp; Control set  d. Economizer, Finned tube  e. Chimney, local ( as per site requirement)  f. Vertical multistage low NPSH type feed water pump/s  g. Boiler platform.</p>	<p><b>17.1 Gas Fired Boiler &amp; Economizer</b></p> <p>a. Yes  b. Yes  c. Yes  d. Yes  e. Yes  f. Yes  g. Yes</p>	<p>Laundry plant and other accessories required to complete the installation and to bring the unit into operational state with following main components;</p> <p><b>17.1 Gas Fired Boiler</b></p> <p>a. 1.5 TPH @ 10Bars gas fired boiler  b. Burner, single fuel  c. Boiler valves &amp; Control set  d. Economizer, Finned tube  e. Chimney, 6m  f. 2x Feed water pumps</p>	<p>automatic controls, piping to the CSSD plant and Laundry including other accessories required to complete the installation and to bring the unit into operational state with following main components;</p> <p><b>17.1 Gas (Removed) Dual Fired Boiler &amp; Economizer (Gas and Diesel)</b></p> <p>a. 1.5-TPH @ 10Bars gas fired boiler  b. Burner, single fuel  c. Boiler valves &amp; Control set  d. Economizer, Finned tube  e. Chimney, 6m  f. 2x Feed water pumps  g. Boiler Ladder and platform  h. Electrical Control panel  i. Insulation, cladding &amp; Painting</p>	<p>automatic controls, piping to the CSSD plant and Laundry including other accessories required to complete the installation and to bring the unit into operational state with following main components;</p> <p><b>17.1 Gas (Removed) Dual Fired Boiler &amp; Economizer (Gas and Diesel)</b></p> <p>a. 1.5-TPH @ 10Bars gas fired boiler  b. Burner, single fuel  c. Boiler valves &amp; Control set  d. Economizer, Finned tube  e. Chimney, 6m  f. 2x Feed water pumps  g. Boiler Ladder and platform  h. Electrical Control panel  i. Insulation, cladding &amp; Painting</p>
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b>  MTI/HMC  Peshawar</p>	<p><b>Project Director</b>  KICH  Peshawar</p>	<p><b>Director Finance</b>  MTI/HMC  Peshawar</p>	<p><b>Director Admin/Finance</b>  KICH  Peshawar</p>	<p><b>Bio-Medical Engineer</b>  MTI/HMC  Peshawar</p>	<p><b>Consultant</b>  Summit Healthcare Consultants (Pvt) Ltd.</p>	<p><b>End User</b></p>
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**Signatures**








<p>g. Boiler Ladder and platform h. Electrical Control panel i. Insulation, cladding &amp; Painting <b>17.2 Feed Water Tank</b> a. Capacity 1,500L b. Deerator head, SS c. Chemical Dosing Pump d. Valves and controls set e. Insulation, cladding &amp; Painting <b>17.3 Piping and Electrification</b> a. Pipes &amp; valves b. Instruments and gauges set c. Electrical cables and electrical work complete d. Insulation, cladding &amp; Painting on the installed items</p>	<p>h. Yes i. Yes <b>17.2 Feed Water Tank</b> a. Yes b. Yes c. Yes d. Yes e. Yes <b>17.3 Piping and Electrification</b> a. Yes b. Yes c. Yes d. Yes</p>	<p>h. Electrical Control panel i. Insulation, cladding &amp; Painting <b>17.2 Feed Water Tank (Local)</b> a. Capacity 1,700L b. Deerator head, SS c. Chemical Dosing Pump d. Valves and controls set e. Insulation, cladding &amp; Painting <b>17.3 Piping and Electrification</b> a. Pipes &amp; valves b. Instruments and gauges set c. Electrical cables and electrical construction complete d. Insulation, cladding &amp; Painting on the installed items <b>17.4 DETAILED SPECIFICATIONS</b></p>	<p><b>17.4 DETAILED SPECIFICATIONS</b> 17.1 Yes</p>	<p>g. Boiler Ladder and platform h. Electrical Control panel i. Insulation, cladding &amp; Painting <b>17.2 Feed Water Tank</b> a. Capacity 1,500L b. Deerator head, SS c. Chemical Dosing Pump d. Valves and controls set e. Insulation, cladding &amp; Painting <b>17.3 Piping and Electrification</b> a. Pipes &amp; valves b. Instruments and gauges set c. Electrical cables and electrical work complete d. Insulation, cladding &amp; Painting on the installed items <b>17.4 DETAILED SPECIFICATIONS</b> 17.1 Design Code Class-1 of ASME/BS/ISO/JIS</p>	<p><b>17.4 DETAILED SPECIFICATIONS</b> 17.1 Design Code Class-1 of ASME/BS/ISO/JIS</p>	<p><b>17.2 Feed Water Tank</b> a. Capacity 1,500L b. Deerator head, SS c. Chemical Dosing Pump d. Valves and controls set e. Insulation, cladding &amp; Painting <b>17.3 Piping and Electrification</b> a. Pipes &amp; valves b. Instruments and gauges set c. Electrical cables and electrical construction work complete d. Insulation, cladding &amp; Painting on the installed items <b>17.4 DETAILED SPECIFICATIONS</b> 17.1 Design Code Class-1 of ASME/BS/ISO/JIS</p>	<p><b>17.4 DETAILED SPECIFICATIONS</b> 17.1 Design Code Class-1 of ASME/BS/ISO/JIS</p>
<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p>	<p><b>Project Director</b> KICH Peshawar</p>	<p><b>Director Finance</b> MTI/HMC Peshawar</p>	<p><b>Director Admin/Finance</b> KICH Peshawar</p>	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p>	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p>	<p><b>End User</b></p>
<p><b>Signatures</b></p>	<p><i>[Signature]</i></p>	<p><i>[Signature]</i></p>	<p><i>[Signature]</i></p>	<p><i>[Signature]</i></p>	<p><i>[Signature]</i></p>	<p><i>[Signature]</i></p>	<p><i>[Signature]</i></p>

<p>17.1 Design Code Class-1 of ASME/ BS/ ISO/ JIS Boiler Type Natural Gas Fired, 3/ 4 pass, Wet Back</p> <p>17.2 Technology with second source of Diesel Configuration Horizontal, Skid mounted Design Pressure 11.5 bars Working Pressure 10 bars Feed Water Temp 85 – 90°C Steam generation 1,500 kg/hr @ 10bar.</p> <p>17.3 Fuel Natural gas/ Diesel Boiler efficiency 95% with economizer Burner Single burner, Front end flange mounted, complete packaged including Control and power panel.</p> <p>17.4 Insulation Rock wool Cladding Pre painted sheet ND Examination Radiography, UT, DPT; as per design code</p>	<p>17.1 Design Code: Class-1 of PED 2014/68/EC Directive (design code EN 12953-3) Boiler Type: Natural Gas and oil fired Fired, 3 pass, Wet Back</p> <p>17.2 Technology with second source of Diesel Configuration: Horizontal, Skid mounted Design Pressure: 12 bar (g) Working Pressure: 10 bar (g) Feed Water Temp: 85 – 90 oC Steam generation: 1,700 kg/hr @ 10 bar.</p> <p>17.3 Fuel: Natural gas/ Diesel Boiler efficiency 95% with economizer Burner: Single burner, Front end flange mounted, complete packaged including Control and power panel.</p> <p>17.4 Insulation: Recommended by PED. Cladding: Recommended by PED. ND Examination Radiography, UT, DPT; as</p>	<p>17.2 Yes</p> <p>17.3 Yes</p> <p>17.4 Yes</p>	<p>Boiler Type Natural Gas Fired, 3/ 4 pass, Wet Back</p> <p>17.2 Technology with second source of Diesel Configuration Horizontal, Skid mounted Design Pressure 11.5 bars Working Pressure 10 bars Feed Water Temp 85 – 90°C Steam generation 1,500 kg/hr @ 10bar.</p> <p>17.3 Fuel Natural gas / Diesel Boiler efficiency 95% Burner Single burner, Front end flange mounted, complete packaged including Control and power panel.</p> <p>17.4 Insulation Rock wool Cladding Pre painted sheet ND Examination Radiography, UT, DPT; as per design code standard Material Materials used shall be recommended for</p>	<p>Boiler Type Natural Gas Fired, 3/ 4 pass, Wet Back</p> <p>17.2 Technology with second source of Diesel Configuration Horizontal, Skid mounted Design Pressure 11.5 bars Working Pressure 10 bars Feed Water Temp 85 – 90°C Steam generation 1,500 kg/hr @ 10bar.</p> <p>17.3 Fuel Natural gas/ Diesel Boiler efficiency 95% with economizer Burner Single burner, Front end flange mounted, complete packaged including Control and power panel.</p> <p>17.4 Insulation Rock wool Cladding Pre painted sheet ND Examination Radiography, UT, DPT; as per design code Standard Material Materials used shall be recommended for</p>
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p> 	<p><b>Project Director</b> KICH Peshawar</p> 	<p><b>Director Finance</b> MTI/HMC Peshawar</p> 	<p><b>Director Admin/Finance</b> KICH Peshawar</p> 	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p> 	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p><b>End User</b></p> 
<p><b>Signatures</b></p>	<p style="text-align: right;">55   84</p>						




<p>DPT; as per design code standard Material Materials used shall be recommended for specific components by ASME/BS/ISO/JIS Power Supply Electric 380/3/50.</p>	<p>per design code standard Material: Materials used recommended for specific components by PED. Power Supply Electric: 400/3/50.</p>		<p>specific components by ASME/BS/ISO/JIS Power Supply Electric 380/3/50.</p>	<p>specific components by ASME/BS/ISO/JIS Power Supply Electric 380/3/50.</p>
<p><b>17.5 PRESSURE VESSEL</b> Pressure vessel consisting of primarily of shell fire tubes, tube plates and furnace, made from material as specified by the ASME/BS/ISO/JIS code, duly approved by the internationally renowned agency and stamped for compliance.</p>	<p><b>17.5 PRESSURE VESSEL</b> Pressure vessel consisting of primarily of shell fire tubes, tube plates and furnace, made from material as specified by the PED 2014/68/EC Directive (design code EN 12953-3), duly approved by the internationally renowned agency and stamped for compliance.</p>	<p><b>17.5 PRESSURE VESSEL</b> Pressure vessel consisting of primarily of shell fire tubes, tube plates and furnace, made from material as specified by the ASME/BS/ISO/JIS code, duly approved by the internationally renowned agency and stamped for compliance.</p>	<p><b>17.5 Pressure Vessel</b> Pressure vessel consisting of primarily of shell fire tubes, tube plates and furnace, made from material as specified by the ASME/BS/ISO/JIS code, duly approved by the internationally renowned agency and stamped for compliance.</p>	<p><b>17.5 PRESSURE VESSEL</b> Pressure vessel consisting of primarily of shell fire tubes, tube plates and furnace, made from material as specified by the ASME/BS/ISO/JIS code, duly approved by the internationally renowned agency and stamped for compliance. a) Complete manufacturing process is to be inspected by the inspecting agency at various stages of construction; in case of locally fabricated.</p>
<p>a) Complete manufacturing process is to be inspected by the inspecting agency at various stages of construction; in case of locally fabricated.</p>	<p>a) Complete manufacturing process is to be inspected by the inspecting agency at various stages of construction; in case of locally fabricated.</p>	<p>a) Yes</p>	<p>a) Complete manufacturing process is to be inspected by the inspecting agency at various stages of construction; in case of locally fabricated.</p>	<p>b) All welds and procedures adopted are to be strictly in</p>

<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p>	<p><b>Project Director</b> KICH Peshawar</p>	<p><b>Director Finance</b> MTI/HMC Peshawar</p>	<p><b>Director Admin/Finance</b> KICH Peshawar</p>	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p>	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p>	<p><b>End User</b></p>
<p><b>Signatures</b></p>							


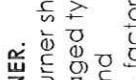
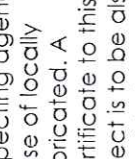
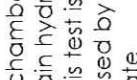
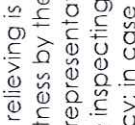
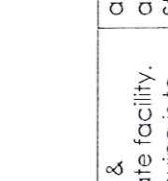
<p>b) All welds and procedures adopted are to be strictly in accordance with the ASME/BS/ISO/JIS codes.</p> <p>c) All tubes forming pressure vessel shall be welded. The joints between the tube plates and the shell shall be SET-IN type. Various openings for connecting of services or installation of safety devices are to be provided and reinforced as per the ASME/BS/ISO/JIS code.</p>	<p>b) Yes</p> <p>c) Yes</p>	<p>construction; in case of locally fabricated.</p> <p>b) All welds and procedures adopted are to be strictly in accordance with the PED 2014/68/EC Directive (design code EN 12953-3)</p> <p>c) All tubes forming pressure vessel is welded. The joints between the tube plates and the shell shall be SET-IN type. Various openings for connecting of services or installation of safety devices are to be provided and reinforced as per the PED code.</p>	<p>b) All welds and procedures adopted are to be strictly in accordance with the ASME/BS/ISO/JIS codes.</p> <p>c) All tubes forming pressure vessel shall be welded. The joints between the tube plates and the shell shall be SET-IN type. Various openings for connecting of services or installation of safety devices are to be provided and reinforced as per the ASME/BS/ISO/JIS code.</p>	<p>b) All welds and procedures adopted are to be strictly in accordance with the ASME/BS/ISO/JIS codes.</p> <p>c) All tube forming pressure vessel shall be welded. The joints between the tube plates and the shell shall be SET-IN type. Various openings for connecting of services or installation of safety devices are to be provided and reinforced as per the ASME/BS/ISO/JIS code.</p>	<p>b) All welds and procedures adopted are to be strictly in accordance with the ASME/BS/ISO/JIS codes.</p> <p>c) All tube forming pressure vessel shall be welded. The joints between the tube plates and the shell shall be SET-IN type. Various openings for connecting of services or installation of safety devices are to be provided and reinforced as per the ASME/BS/ISO/JIS code.</p>	<p>accordance with the ASME/BS/ISO/JIS codes.</p> <p>c) All tubes forming pressure vessel shall be welded. The joints between the tube plates and the shell shall be SET-IN type. Various openings for connecting of services or installation of safety devices are to be provided and reinforced as per the ASME/BS/ISO/JIS code.</p>
<p><b>17.6 FINNED TUBE ECONOMIZER</b> Design Code Comply with ASME/BS/ISO/JIS/ EN Cladding Pre painted sheet Location Above Boiler Exhaust</p>	<p><b>17.6 FINNED TUBE ECONOMIZER</b> Yes</p>	<p><b>17.6 FINNED TUBE ECONOMIZER*</b> Design Code : Comply with ASME/BS/ISO/JIS/ EN Cladding :Pre painted sheet Location : Above Boiler Exhaust</p>	<p><b>17.6 FINNED TUBE ECONOMIZER</b> Design Code Comply with ASME/BS/ISO/JIS/ EN Cladding Pre painted sheet Location Above Boiler Exhaust</p>	<p><b>17.6 FINNED TUBE ECONOMIZER</b> Design Code Comply with ASME/BS/ISO/JIS/ EN Cladding Pre painted sheet Location Above Boiler Exhaust</p>	<p><b>17.6 Fined Tube Economizer:</b> Design code Comply with ASME/BS/ISO/JIS/EN Cladding Pre painted sheet Location Above boiler exhaust</p>	<p><b>17.6 FINNED TUBE ECONOMIZER</b> Design Code Comply with ASME/BS/ISO/JIS/ EN Cladding Pre painted sheet Location Above Boiler Exhaust</p>
<p><b>17.7 FEED WATER TANK</b></p>	<p><b>17.7 FEED WATER TANK</b></p>	<p><b>17.7 FEED WATER TANK</b></p>	<p><b>17.7 FEED WATER TANK</b></p>	<p><b>17.7 Feed Water Tank</b></p>	<p><b>17.7 Feed Water Tank</b></p>	<p><b>17.7 FEED WATER TANK</b></p>

<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p>	<p><b>Project Director</b> KICH Peshawar</p>	<p><b>Director Finance</b> MTI/HMC Peshawar</p>	<p><b>Director Admin/Finance</b> KICH Peshawar</p>	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p>	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd</p>	<p><b>End User</b></p>
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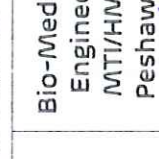
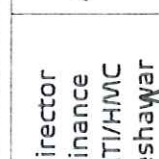
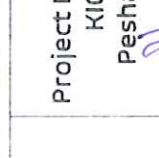
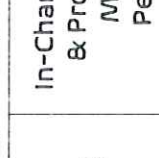



<p>Construction Steel as per ASME/BS/ISO/JIS Insulation Rock wool Cladding Pre painted sheet Capacity 1,500 L Configuration Horizontal Control Temperature and level controls with level glass</p>	<p><b>17.7 FEED WATER TANK</b> (Feed water tank is mentioned twice in the specifications which is repetition, so, 1 x feed water tank will be provided with boiler locally fabricated) Construction : Carbon Steel (Local) Insulation : Rock wool or equivalent Cladding : Pre painted sheet Line Reptation. Configuration : Horizontal Control : Temperature and level controls with level glass</p>	<p>Yes</p>	<p>Construction Carbon Steel as per ASME /BS /ISO /JIS Insulation Rock wool Cladding Pre painted sheet Capacity 1,500 L Configuration Horizontal Control Temperature and level controls with level glass</p>	<p>Construction Carbon Steel as per ASME/BS/ISO/JIS Insulation Rock wool Cladding Pre painted sheet Capacity 1,500 L Configuration Horizontal Control Temperature and level controls with level glass</p>
<p>17.8 STRESS RELIEVING (if covered under design code ASME/BS/ISO/JIS) After the construction of the pressure vessel the entire unit is to be hydraulic tested and then relieved of stresses in a properly</p>	<p><b>17.8 STRESS RELIEVING</b> (if covered under design code PED) After the construction of the pressure vessel the entire unit is to be hydraulic tested and then relieved of stresses in</p>	<p>Yes</p>	<p><b>17.8 Stress Relieving</b> (covered under design code ASME/BS/ISO/JIS) After the construction of the pressure vessel the entire unit is to be hydraulic tested and then relieved of stresses in a properly designed &amp;</p>	<p><b>17.8 STRESS RELIEVING</b> (if covered under design code ASME/BS/ISO/JIS) After the construction of the pressure vessel the entire unit is to be hydraulic tested and then relieved of stresses in a properly designed &amp; appropriate facility. Stress relieving is to be witnessed by the local representative of the inspecting agency; in</p>

<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p>	<p>Project Director KICH Peshawar</p>	<p>Director Finance MTI/HMC Peshawar</p>	<p>Director Admin/Finance KICH Peshawar</p>	<p>Bio-Medical Engineer MTI/HMC Peshawar</p>	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p>	<p>End User</p>
<p><b>Signatures</b></p>							

<p>designed &amp; appropriate facility. Stress relieving is to be witnessed by the local representative of the inspecting agency; in case of locally fabricated, A certificate to this effect is to be provided.</p> <p>After removal of the Unit from the stress relieving chamber it is to be again hydraulic tested. This test is to be witnessed by the appropriate inspecting agency; in case of locally fabricated, A certificate to this effect is to be also provided.</p> <p><b>17.9 BURNER.</b> a) The Burner should be packaged type, fronted end mounted, factory tested and easily removable type.</p>	<p>a properly designed &amp; appropriate facility. Stress relieving is to be witnessed by the local representative of the inspecting agency; in case of locally fabricated, A certificate to this effect is to be provided.</p> <p>After removal of the Unit from the stress relieving chamber it is to be again hydraulic tested. This test is to be witnessed by the appropriate inspecting agency; in case of locally fabricated, A certificate to this effect is to be also provided.</p> <p><b>17.9 BURNER.</b> a) The Burner is packaged type, fronted end mounted, factory tested and easily removable type.</p>	<p><b>17.9 BURNER.</b> a) Yes</p>	<p>appropriate facility. Stress relieving is to be witnessed by the local representative of the inspecting agency in case of locally fabricated a certificate to this effect is to be provided. After removal of the unit form the stress relieving chamber it is to be again hydraulic tested. This test is to be witness by the appropriate inspecting agency; A certificate to this effect is to be also provided.</p> <p><b>17.9 Burner.</b> a) The burner should be packaged type fronted and mounted factory tested and easily removable type.</p>	<p>case of locally fabricated. A certificate to this effect is to be provided.</p> <p>After removal of the Unit from the stress relieving chamber it is to be again hydraulic tested. This test is to be witnessed by the appropriate inspecting agency; in case of locally fabricated. A certificate to this effect is to be also provided.</p> <p><b>17.9 BURNER.</b> a) The Burner should be packaged type, fronted end mounted, factory tested and easily removable type. b) Complete packaged burner shall be imported from USA Japan or Europe to be forced draft</p>
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p> 	<p><b>Project Director</b> KICH Peshawar</p> 	<p><b>Director Finance</b> MTI/HMC Peshawar</p> 	<p><b>Director Admin/Finance</b> KICH Peshawar</p> 	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p>	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p><b>End User</b></p> 
<p><b>Signatures</b></p>							

<p>b) Complete packaged burner shall be imported from USA Japan or Europe to be forced draft combustion air system, utilizing a heavy duty backward curved impeller in a fully machined cats housing. Air housing should be of open able type for inspection and service of firing head components without detaching the burner from the boiler front end.</p> <p>c) Complete burner assembly is to be bolted to the front end of the boiler through the use of flange.</p> <p>d) Burner should be suitable to burn natural gas and diesel.</p> <p>e) High turn down capability is to assure</p>	<p>tested and easily removable type.</p> <p>b) Complete packaged burner IS imported from Europe to be forced draft combustion air system, utilizing a heavy duty backward curved impeller in a fully machined cats housing. Air housing open able type for inspection and service of firing head components without detaching the burner from the boiler front end.</p> <p>c) Complete burner assembly is to be bolted to the front end of the boiler through the use of flange.</p>	<p>b) Yes</p> <p>c) Yes</p> <p>d) Yes</p>	<p>b) Complete packaged burner shall be imported from USA Japan or Europe to be forced draft combustion air system utilizing a heavy duty backward curved impeller in a fully machined cats housing should be of open able type for inspection and service of firing head components without detaching the burner from the boiler front end.</p> <p>c) Complete burner assembly is to be bolted to the front and of the boiler through the use of flange.</p> <p>d) Burner should be suitable to burn natural gas and diesel.</p>	<p>combustion air system, utilizing a heavy duty backward curved impeller in a fully machined cats housing. Air housing should be of open able type for inspection and service of firing head components without detaching the burner from the boiler front end.</p> <p>c) Complete burner assembly is to be bolted to the front end of the boiler through the use of flange.</p> <p>d) Burner should be suitable to burn natural gas and diesel.</p> <p>e) High turn down capability is to assure smooth starts and response to wide load demands. The control</p>	<p>combustion air system, utilizing a heavy duty backward curved impeller in a fully machined cats housing. Air housing should be of open able type for inspection and service of firing head components without detaching the burner from the boiler front end.</p> <p>c) Complete burner assembly is to be bolted to the front end of the boiler through the use of flange.</p> <p>d) Burner should be suitable to burn natural gas and diesel.</p> <p>e) High turn down capability is to assure</p>
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p> 	<p><b>Project Director</b> KICH Peshawar</p> 	<p><b>Director Finance</b> MTI/HMC Peshawar</p> 	<p><b>Director Admin/Finance</b> KICH Peshawar</p> 	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p> 	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p><b>End User</b></p> 
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<p>smooth starts and response to wide load demands. The control switches, should permit selection of fixed rate or fully modulating operation.</p> <p>f) Gas and combustion air are to be intimately mixed in the combustion zone. Flash back is to be avoided as possible.</p> <p>g) The burner is to be listed by Underwriters Laboratory &amp; carry a U.L. certification however other regulatory agency mentioned above may also be acceptable. Burner is to be completely assembled, wired and tested at the factory. Main gas and diesel train components like PRV, gas cock etc are to</p>	<p>d) Burner is suitable to burn natural gas and diesel.</p> <p>e) High turn down capability is to assure smooth starts and response to wide load demands. The control switches, permit selection of fixed rate or fully modulating operation.</p> <p>f. Gas and combustion air are to be intimately mixed in the combustion zone. Flash back is to be avoided as possible.</p> <p>g. The burner is to be listed by Underwriters Laboratory &amp; carry a U.L. certification however other regulatory agency mentioned above may also be acceptable. Burner is to be completely assembled, wired and tested at the factory.</p>	<p>e) Yes</p> <p>f) Yes</p> <p>g) Yes</p>	<p>e) High turn down capability is to be bolted to the front and of the boiler through the use of flange.</p> <p>f) Burner should be suitable to burn natural gas and diesel</p> <p>g) The burner is to be listed by underwriters laboratory &amp; carry a U.L. certification however other regulatory agency mentioned above may also be acceptable. Burner is to be completely assembled, wired and tested at the factory. Main gas and diesel train components like PRV, gas cock etc are to be shipped by the burner manufacturers.</p>	<p>switches, should permit selection of fixed rate or fully modulating operation.</p> <p>f) Gas and combustion air are to be intimately mixed in the combustion zone. Flash back is to be avoided as possible.</p> <p>g) The burner is to be listed by Underwriters Laboratory &amp; carry a U.L. certification however other regulatory agency mentioned above may also be acceptable. Burner is to be completely assembled, wired and tested at the factory. Main gas and diesel train components like PRV, gas cock etc are to be shipped by the burner manufacturers.</p>
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p>	<p><b>Project Director</b> KICH Peshawar</p>	<p><b>Director Finance</b> MTI/HMC Peshawar</p>	<p><b>Director Admin/Finance</b> KICH Peshawar</p>	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p>	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd</p>	<p><b>End User</b></p>
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<p>be shipped by the burner manufacturers.</p> <p>h) The burners should be operated on gas and diesel including all requirements to operate on second fuel.</p> <p>17.10 VALVES &amp; CONTROLS</p> <ol style="list-style-type: none"> <li>220/50/1 control circuit.</li> <li>Burner mounted control panel.</li> <li>Steam Stop Valve</li> <li>Blow Down Valve</li> <li>Isolation valve</li> <li>Feed Check valve</li> <li>Non return valve</li> <li>Pressure gauge for Boiler pressure</li> <li>Boiler water level control valve</li> <li>Water gauge glass assembly</li> <li>Pressure switch</li> </ol>	<p>Main gas and diesel train components like PRV, gas cock etc are to be shipped by the burner manufacturers.</p> <p>h. The burners is operated on gas and diesel including all requirements to operate on second fuel.</p> <p>17.10 VALVES &amp; CONTROLS</p> <ol style="list-style-type: none"> <li>220/50/1 control circuit.</li> <li>Burner mounted control panel.</li> <li>Steam Stop Valve</li> <li>Blow Down Valve</li> <li>Isolation valve</li> <li>Feed Check valve</li> <li>Non return valve</li> <li>Pressure gauge for Boiler pressure</li> <li>Boiler water level control valve</li> <li>Water gauge glass assembly</li> </ol>	<p>h) Yes</p> <p>17.10 VALVES &amp; CONTROLS</p> <ol style="list-style-type: none"> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ol>	<p>h) The burners should be operated on gas and diesel including all requirements to operate on second fuel.</p> <p>17.10 VALVES &amp; CONTROLS</p> <ol style="list-style-type: none"> <li>220/50/1 control circuit.</li> <li>Burner mounted control panel.</li> <li>Steam stop valve</li> <li>Blow down valve</li> <li>Isolation valve</li> <li>Feed check valve</li> <li>Non return valve</li> <li>Pressure gauge for boiler pressure</li> <li>Boiler water level control valve</li> <li>Water gauge glass assembly</li> <li>Pressure switch</li> <li>Safety valves for boiler and economizer</li> </ol>	<p>h) The burners should be operated on gas and diesel including all requirements to operate on second fuel.</p> <p>17.10 VALVES &amp; CONTROLS</p> <ol style="list-style-type: none"> <li>220/50/1 control circuit.</li> <li>Burner mounted control panel.</li> <li>Steam Stop Valve</li> <li>Blow Down Valve</li> <li>Isolation valve</li> <li>Feed Check valve</li> <li>Non return valve</li> <li>Pressure gauge for Boiler pressure</li> <li>Boiler water level control valve</li> <li>Water gauge glass assembly</li> <li>Pressure switch</li> <li>Safety valves for Boiler and Economizer</li> <li>Temperature Gauges both Digital and Dial type</li> </ol>
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p>	<p><b>Project Director</b> KICH Peshawar</p>	<p><b>Director Finance</b> MTI/HMC Peshawar</p>	<p><b>Director Admin/Finance</b> KICH Peshawar</p>	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p>	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p>	<p><b>End User</b></p>
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<p>12. Safety valves for Boiler and Economizer</p> <p>13. Temperature Gauges both Digital and Dial type</p> <p>14. Motor starters for 380/50/3.</p> <p>15. Panel signal lights for, power "ON" ignition, flame fail, manual/auto, Gas operation.</p> <p>16. Full modulation with manual potentiometer.</p> <p>17. Flame safeguard controller with ultraviolet flame detector.</p> <p>18. Combustion air interlock (switch).</p> <p>19. Provision for interlock of low water cut off, operating pressure, control and modulating pressure control.</p>	<p>11. Pressure switch</p> <p>12. Safety valves for Boiler and Economizer</p> <p>13. Temperature Gauges both Digital and Dial type</p> <p>14. Motor starters for 380/50/3.</p> <p>15. Panel signal lights for, power "ON" ignition, flame fail, manual/auto, Gas operation.</p> <p>16. Full modulation with manual potentiometer.</p> <p>17. Flame safeguard controller with ultraviolet flame detector.</p> <p>18. Controller to be of the "Self check" design.</p> <p>19. Combustion air interlock (switch).</p> <p>20. Combustion air interlock of low water cut off, operating pressure, control and modulating pressure, control and modulating pressure control.</p>	<p>13. Yes</p> <p>14. Yes</p> <p>15. Yes</p> <p>16. Yes</p> <p>17. Yes</p> <p>18. Yes</p> <p>19. Yes</p> <p>20. Yes</p> <p>21. Yes</p> <p>22. Yes</p>	<p>13. Temperature gauge both digital and dial type</p> <p>14. Motor starters for 380/50/3</p> <p>15. Panel single lights for power "NO" ignition flame fail manual/auto gas operation</p> <p>16. Full modulation with manual potentiometer</p> <p>17. Flame safeguard controller with ultraviolet flame detector controller to be of the "Self-Check" design</p> <p>18. Combustion air interlock (switch)</p> <p>19. Provision for interlock of low water cut off operating pressure control and modulating pressure control</p>	<p>14. Motor starters for 380/50/3.</p> <p>15. Panel signal lights for, power "ON" ignition, flame fail, manual/auto, Gas operation.</p> <p>16. Full modulation with manual potentiometer.</p> <p>17. Flame safeguard controller with ultraviolet flame detector.</p> <p>18. Combustion air interlock (switch).</p> <p>19. Provision for interlock of low water cut off, operating pressure, control and modulating pressure control.</p> <p>20. External alarm bell to sound on main flame failure, low water.</p>	
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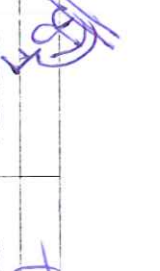

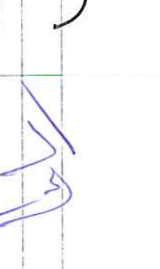

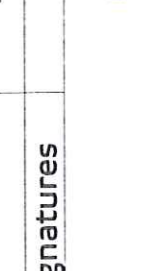

<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p>	<p><b>Project Director</b> KICH Peshawar</p>	<p><b>Director Finance</b> MTI/HMC Peshawar</p>	<p><b>Director Admin/Finance</b> KICH Peshawar</p>	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p>	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p>	<p><b>End User</b></p>
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<p>20. External alarm bell to sound on main flame failure, low water.</p> <p>21. Diesel Oil tank for storage for two days operation.</p> <p>22. Main line circuit breaker, Blower motor circuit breaker. Feed water pump air cut breaker.</p>	<p>modulating pressure control.</p> <p>20. External alarm bell to sound on main flame failure, low water.</p> <p>21. Diesel Oil tank (local) for storage for two days operation.</p> <p>22. Main line circuit breaker, Blower motor circuit breaker. Feed water pump air cut breaker.</p> <p><b>Note: few features may vary and subject to approval from European norms.</b></p>	<p>17.11 TRIM SAFETIES AUXILIARIES AND OPERATING CONTROLS.</p> <p>a) Packaged fire tube boiler shall include following trim, safety, operating controls and auxiliaries. These are to be wired into burner panel which is to provide appropriate interlocks.</p>
<p>20. External alarm bell to sound on main flame failure low water</p> <p>21. Diesel oil tank for storage for two days operation</p> <p>22. Main line circuit breaker blower motor circuit breaker feed water pump air cut breaker</p>	<p>17.11 Trim Safeties Auxiliaries and Operating Controls.</p> <p>a) Packaged fire tube boiler shall include following trim, safety, operating controls and auxiliaries. These are to be wired into burner panel which is to provide appropriate interlocks.</p> <p>b) Following are over &amp; above the</p>	<p>17.11 TRIM SAFETIES AUXILIARIES AND OPERATING CONTROLS.</p> <p>a) Yes</p> <p>b) Yes</p>
<p>21. Diesel Oil tank for storage for two days operation.</p> <p>22. Main line circuit breaker, Blower motor circuit breaker. Feed water pump air cut breaker.</p> <p><b>17.11 TRIM SAFETIES AUXILIARIES AND OPERATING CONTROLS.</b></p> <p>a) Packaged fire tube boiler shall include following trim, safety, operating controls and auxiliaries. These are to be wired into burner panel which is to provide appropriate interlocks.</p> <p>b) Following are over &amp; above the controls/auxiliaries/trim to be supplied with burner.</p> <p>c) Operating ON/OFF type pressure controller (Field adjustable).</p>	<p>17.11 TRIM SAFETIES AUXILIARIES AND OPERATING CONTROLS.</p> <p>a) Packaged fire tube boiler shall include following trim, safety, operating controls and auxiliaries. These are to be wired into burner panel which is to provide appropriate interlocks.</p> <p>b) Following are over &amp; above the</p>	<p>17.11 TRIM SAFETIES AUXILIARIES AND OPERATING CONTROLS.</p> <p>a) Yes</p> <p>b) Yes</p>

<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p>	<p><b>Project Director</b> KICH Peshawar</p>	<p><b>Director Finance</b> MTI/HMC Peshawar</p>	<p><b>Director Admin/Finance</b> KICH Peshawar</p>	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p>	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p>	<p><b>End User</b></p>
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<p>b) Following are over &amp; above the controls/auxiliaries/trim to be supplied with burner.</p> <p>c) Operating ON/OFF type pressure controller (Field adjustable).</p> <p>d) Modulating pressure controller (field adjustable).</p> <p>e) Ball float type low water cut off with feed water control side and gauge glass set with tri-cocks mounted on one side of boiler.</p>	<p>which is to provide appropriate interlocks.</p> <p>b) Following are over &amp; above the controls/auxiliaries/trim to be supplied with burner.</p> <p>c) Operating ON/OFF type pressure controller (Field adjustable).</p> <p>d) Modulating pressure controller (field adjustable).</p> <p>e) Ball float type low water cut off with feed water control side and gauge glass set with tri-cocks mounted on one side of boiler.</p>	<p>c) Yes</p> <p>d) Yes</p> <p>e) Yes</p>	<p>controls/auxiliaries/trim to be supplied with burner.</p> <p>c) Operating ON/OFF type pressure controller (Field adjustable).</p> <p>d) Modulating pressure controller (Field adjustable).</p> <p>e) Ball float type low water cut off with feed water control side and gauge glass set with tri-cocks mounted on one side of boiler.</p> <p>f) Auxiliary gauge glass set with valves mounted on the other side.</p> <p>g) Coded safety relief valve not less than two. 8 inch dia alarm bell to sound on low water cut off, main flame failure, pilot flame failure, Hi-pressure etc.</p>	<p>d) Modulating pressure controller (field adjustable).</p> <p>e) Ball float type low water cut off with feed water control side and gauge glass set with tri-cocks mounted on one side of boiler.</p> <p>f) Auxiliary gauge glass set with valves mounted on the other side.</p> <p>g) Coded safety relief valve not less than two. 8 inch dia alarm bell to sound on low water cut off, main flame failure, pilot flame failure, Hi-pressure etc.</p>
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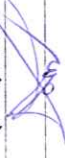

<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p> 	<p><b>Project Director</b> KICH Peshawar</p> 	<p><b>Director Finance</b> MTI/HMC Peshawar</p> 	<p><b>Director Admin/Finance</b> KICH Peshawar</p> 	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p> 	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p><b>End User</b></p> 
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		sound on low water cut off, main flame failure, pilot flame failure, Hi- pressure etc.					

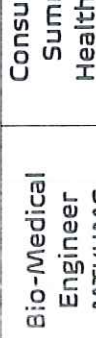

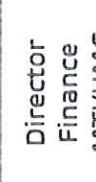
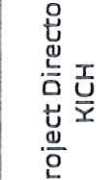
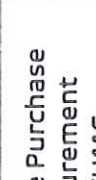
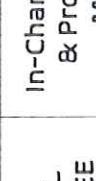

18	<b>WATER TREATMENT UNIT</b> a) Water treatment unit have to supply the treated water to the boiler and machines. b) Water treatment unit assembled of USA, Europe or Japanese components; locally, will be provided. c) The capacity, flow and reservoir should be as per requirement of these systems.	<b>M/s Total Technologies</b> <b>WATER TREATMENT UNIT</b> a) Water treatment unit supply the treated water to the boiler and machines. b) Water treatment unit assembled of USA, Europe or Japanese components; locally, will be provided. c) The capacity, flow and reservoir should be as per requirement of these systems.	<b>M/s NEW ERRA TECHNOLOGIES</b> <b>WATER TREATMENT UNIT</b> a) Yes b) Yes c) Yes d) Yes	<b>M/s STRONGMAN MEDIFUR Water Treatment Unit (local)</b> <b>Make: Magnabasco s.r.l. - Italy.</b> a) Water treatment unit have to supply the treated water to the boiler and machines. b) Water treatment unit assembled of USA, Europe of Japanese Components; locally, will be provided. c) The capacity, flow and reservoir should be as per requirement of these systems.	<b>M/s MEDILAND PAKISTAN</b> <b>WATER TREATMENT UNIT</b> a) Water treatment unit have to supply the treated water to the boiler and machines. b) Water treatment unit assembled of USA, Europe or Japanese components; locally, will be provided. c) The capacity, flow and reservoir should be as per requirement of these systems. d) The reverse osmosis unit including filters.	<b>M/s VERTEX MEDICAL</b>
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<b>TECHNICAL COMMITTEE MEMBERS</b>  <b>Signatures</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
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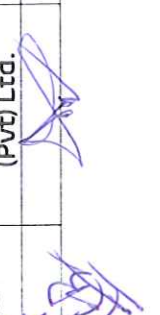
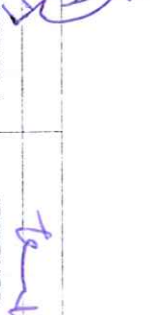

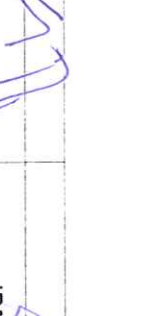
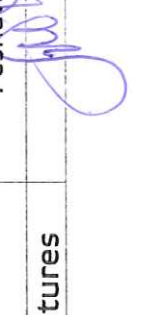
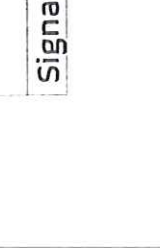
<p>d) The reverse osmosis unit including filters, hardness stabilizing unit, activated carbon with pre-filter 5um, DS reverse osmosis system.</p> <p>e) Capacity of 100L/h + Boiler requirement. Storage tank 1,500L approx. Level control for tank, vent filter, pressure pump, ion exchanger, conductivity meter control, distribution manifold, hose set and installation material</p> <p><b>NOTE:</b> The complete project is a turn-key project and all those piping, civil works, erection of mechanical / electrical / instrumentation, installation &amp; commissioning shall be done by us.</p>	<p>d) The reverse osmosis unit including filters, hardness stabilizing unit, activated carbon with pre-filter 5um, Pre-filter 1um, Water Softener.</p> <p>e) Capacity of 100L/h + Boiler requirement. Storage tank 1,500L approx. Level control for tank, vent filter, pressure pump, Cation resin, distribution manifold, hose set and installation material</p> <p><b>NOTE:</b> The complete project is a turn-key project and all those piping, civil works, erection of mechanical / electrical / instrumentation, installation &amp; commissioning will be done by us.</p>	<p>e) Yes</p>	<p>d) The reverse osmosis unit including filters, hardness stabilizing unit, activated carbon with pre-filter 5um, Pre-filter 9um, DS reverse osmosis system.</p> <p>e) Capacity of 100L/h + Boiler requirement, Storage tank 1,500L approx. Level control for tank, vent filter, pressure pump, ion exchanger, conductivity meter control, distribution manifold, hose set and installation material.</p> <p><b>Note:</b> The complete project is a turn-key project and all those piping, civil works, erection of mechanical / electrical / instrumentation, installation &amp; commissioning shall be the responsibility of the Contracting firm. All other</p>	<p>hardness stabilizing unit, activated carbon with pre-filter 5um, Pre-filter 1um, DS reverse osmosis system.</p> <p>e) Capacity of 100L/h + Boiler requirement. Storage tank 1,500L approx. Level control for tank, vent filter, pressure pump, ion exchanger, conductivity meter control, distribution manifold, hose set and installation material</p> <p><b>NOTE:</b> The complete project is a turn-key project and all those piping, civil works, erection of mechanical / electrical / instrumentation, installation &amp; commissioning shall be the responsibility of the Contracting firm. All other</p>
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p> 	<p><b>Project Director</b> KICH Peshawar</p> 	<p><b>Director Finance</b> MTI/HMC Peshawar</p> 	<p><b>Director Admin/Finance</b> KICH Peshawar</p> 	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p> 	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p><b>End User</b></p>  <p>67   84</p>
<p><b>Signatures</b></p>							








<p>be the responsibility of the Contracting firm. All other associated instruments/ equipment/ works required for safe operation of the Boiler, as per design code will also be the responsibility of the Contracting firm. All sorts of Chemicals for Phosphate treatments/ Polymeric sludge conditioners and dispersants/ Alkalinity builders etc will be the responsibility of the Contracting firm during the warranty and them regularly as per requirement.</p>	<p>All other associated instruments/ equipment/ works required for safe operation of the Boiler, as per design code will also be done by us. All sorts of Chemicals for Phosphate treatments/ Chelants/ Polymeric sludge conditioners and dispersants/ Alkalinity builders etc will be the responsibility of the Contracting firm during the warranty and them regularly as per requirement.</p>	<p>associated instruments/ equipment / works required for safe operation of the Boiler, as per design code will also be the responsibility of the Contracting firm. All sorts of Chemicals for Phosphate treatments/ Chelants / Polymeric sludge conditioners and dispersants / Alkalinity builders etc will be the responsibility of the Contracting firm during the warranty and them regularly as per requirement.</p>	<p>associated instruments/ equipment/ works required for safe operation of the Boiler, as per design code will also be the responsibility of the Contracting firm. All sorts of Chemicals for Phosphate treatments/ Chelants/ Polymeric sludge conditioners and dispersants/ Alkalinity builders etc will be the responsibility of the Contracting firm during the warranty and them regularly as per requirement.</p>
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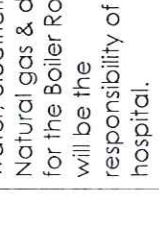
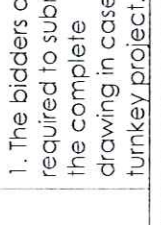


1 9	ELECTRIC STEAM GENERATOR (optional to quote separate price)	M/s Total Technologies ELECTRIC STEAM GENERATOR (optional to quote separate price) Model: MAXI 180 Make / Supplier: GHDINI / Girbau Country of Origin: Italy Steam production (with supply 80 °C water) @ 2 x (81.4 x 3) Kg/hr. Steam Production Capacity @ 488 Kghour. Each x MAXI 180, Consisting of:- Three electric and automatic steam generators of 55 litres capacity each, placed in one single frame, external control board, each generator with two separate sets of heaters from 20 to 60 kw working pressure at 8.5 bar. stainless steel condensation recovery tank 160lt + all components in contact with water in stainless steel with water level	M/s NEW ERRA TECHNOLOGIES ELECTRIC STEAM GENERATOR (optional to quote separate price) Model: Not Mentioned Country of Origin: Not Mentioned	M/s STRONGMAN MEDIFUR OPTIONAL: ELECTRIC STEAM GENERATOR Model: GVE-1100 Make: Magnabasco s.r.l. - Italy. Model Installed power kW Steam production in kg/h Design pressure GVE 1100 1100 1500 FEATURES: SOFTENED FEEDING WATER : max. + 70°C ELECTRIC POWER : 400V / 50 Hz / 3 phases or different (to be specified) Steam boilers series GVE have been properly studied for satisfying all steam requests for little and medium plants, giving all the advantages of the steam produced at medium pressures. *** A.M. BOILERS ARE MANUFACTURED	M/s MEDILAND PAKISTAN ELECTRIC STEAM GENERATOR (optional to quote separate price) Model: GE-270 (Customized) Make: Manara, Italy Country of MANUFACTURER: Italy	M/s VERTEX MEDICAL
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TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
Signatures							

<p>The capacity of the generator shall be such that it must perform the whole function of Laundry &amp; CSSD but with half load. It must comply with relevant quality standards of the manufacturing origin/ region.</p> <p><b>CONDITIONS:</b></p> <p>19.1 The unit must be designed and fabricated as per ASME/BS/ISO/JIS/PED directives.</p> <p>19.2 All equipment must be according to international safety standard as per ASME/BS/ISO/JIS/ PED directives.</p> <p>19.3 All those piping, minor civil works, platforms, erection of mechanical/ electrical/</p>	<p>control, solenoid valve, and thermostat.</p> <p>Agreed. Steam Consumption sheet attached.</p> <p><b>CONDITIONS:</b></p> <p>19.1 The unit is designed and fabricated as per PED directives.</p> <p>19.2 The equipment is according to international safety standard as per PED directives.</p> <p>19.3 Comply</p>	<p>19.1 Yes</p> <p>19.2 Yes</p> <p>19.3 Yes</p>	<p><b>ACCORDING TO P.E.D. STANDARDS***</b></p> <p>Considerable are the advantages you have from the choice of our steam boilers model GVE, some of which are:</p> <p>- RAPIDITY IN REACHING PRESSURE WITH THERMIC OUTPUT;</p> <p>- AUTOMATIC MONOBLOC SUPPLY VERSION;</p> <p>- MAX WORKING SAFETY, EASY INSTALLATION AND OPERATION;</p> <p><b>BOILERS STRUCTURE:</b></p> <p>cylinder, bolftoms and flanges made of 275/PH steel.</p> <p>Steam boiler with electrical working. It is provided with heaters of suitable power.</p> <p><b>HEATING:</b> With heaters of suitable power</p> <p><b>FEEDING WATER SUPPLY,</b> completed with:</p> <p>- Centrifugal electropump of proper capacity and rate.</p> <p>- Nonreturn valve.</p>	<p>The capacity of the generator shall be such that it must perform the whole function of Laundry &amp; CSSD but with half load. It must comply with relevant quality standards of the manufacturing origin/ region.</p> <p><b>CONDITIONS:</b></p> <p>19.1 The unit must be designed and fabricated as per ASME/BS/ISO/JIS/PED directives.</p> <p>19.2 All equipment must be according to international safety standard as per ASME/BS/ISO/JIS/ PED directives.</p> <p>19.3 All those piping, minor civil works, platforms, erection of mechanical / electrical /</p>	
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p>	<p><b>Project Director</b> KICH Peshawar</p>	<p><b>Director Finance</b> MTI/HMC Peshawar</p>	<p><b>Director Admin/Finance</b> KICH Peshawar</p>	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p>	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p>	<p><b>End User</b></p>
<p><b>Signatures</b></p>							 <p>70   84</p>

<p>instrumentations, installation &amp; commissioning shall be the responsibility of the Contracting firm.</p> <p>19.4 All other associated instruments/ equipment/ works required for safe operation of the Boiler, as per design code will also be the responsibility of the Contracting firm</p> <p>19.5 The Room/ utility services like water, electricity, Natural gas &amp; diesel for the Boiler Room will be the responsibility of the hospital.</p> <p><b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b></p> <p>1. The bidders are required to submit the complete drawing in case of turnkey project.</p>	<p>- Level indicator group, COVERING: Boiler body is covered by rock wool and painted steel plate.</p> <p><b>AUTOMATIC WORKING DEVICES AND SAFETY:</b></p> <ul style="list-style-type: none"> <li>- automatic level regulator;</li> <li>- Working pressostat;</li> <li>- Safety block pressostat.</li> <li>- Safety valve</li> <li>- 2 Conductive level probes</li> </ul> <p><b>ELECTRIC CONTROL PANEL:</b></p> <p>Elegant and completed panel placed on the fore part of the machine, IP 55, holds all control and safety equipment.</p> <p>Completed of electrical connections on protective envelope warm and moist resistant. Equipped with voltmeter, ampere-meter, lights and push buttons.</p> <p><b>TAPS AND FITTINGS:</b></p> <ul style="list-style-type: none"> <li>- Steam intake valve;</li> </ul>	<p>19.4 Yes</p>	<p>19.4 Comply</p>	<p>instrumentations, installation &amp; commissioning shall be the responsibility of the Contracting firm.</p> <p>19.4 All other associated instruments/ equipment/ works required for safe operation of the Boiler, as per design code will also be the responsibility of the Contracting firm</p> <p>19.5 The Room/ utility services like water, electricity, Natural gas &amp; diesel for the Boiler Room will be the responsibility of the hospital.</p> <p><b>SPECIAL TERMS &amp; CONDITIONS OF THE PROJECT</b></p> <p>1. The bidders are required to submit the complete drawing in case of turnkey project.</p>
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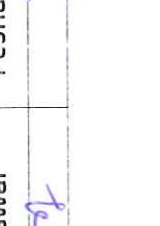
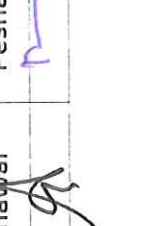


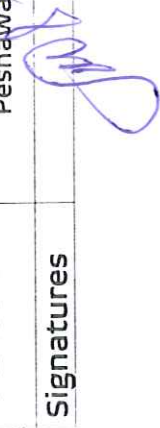
<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p> 	<p><b>Project Director</b> KICH Peshawar</p> 	<p><b>Director Finance</b> MTI/HMC Peshawar</p> 	<p><b>Director Admin/Finance</b> KICH Peshawar</p> 	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p> 	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p>	<p><b>End User</b></p>
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<p>2. The bids with drawing marked with piping routes, panels and other equipment by the manufacturer will determine the completeness of the bid.</p> <p>3. The installation will be checked and certify by the manufacturer with the effect that the system is as per their design standard and protocols.</p> <p>4. The firm will certify that complete system will be installed in professional manners in compliance with engineering norms and standards for such systems in a turn-key manner. The piping and auxiliary materials will be A1 class.</p> <p>5. The drawings shall be submitted with whole system for their</p>	<p>2. Will be provided after award of contract.</p> <p>3. Agreed</p> <p>4. Agreed</p> <p>5. Agreed</p>	<p>2. Yes</p> <p>3. Yes</p> <p>4. Yes</p> <p>5. Yes</p>	<p>- Manometer-holder, equipped with tested flange</p> <p>- Total discharge group</p> <p>- Documents and book</p> <p><b>Total Hospital Laundry Package Price; C&amp;F Basis, in Euro, with Delivery, Installation &amp; Training of User Staff</b></p>	<p>2. The bids with drawing marked with piping routes, panels and other equipment by the manufacturer will determine the completeness of the bid.</p> <p>3. The installation will be checked and certify by the manufacturer with the effect that the system is as per their design standard and protocols.</p> <p>4. The firm will certify that complete system will be installed in professional manners in compliance with engineering norms and standards for such Systems in a turn-key manner. The piping and auxiliary materials will be A1 class.</p> <p>5. The drawings shall be submitted with whole system for their</p>	
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p>	<p><b>Project Director</b> KICH Peshawar</p>	<p><b>Director Finance</b> MTI/HMC Peshawar</p>	<p><b>Director Admin/Finance</b> KICH Peshawar</p>	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p>	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p>	<p><b>End User</b></p>
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<p>placements within the available space which shall be evaluated as well.</p> <p><b>Note:</b> The successful bidder / vendor shall be responsible for registration, renewal, inspection and PPM for the boiler. (It is mandatory clause, which will be incorporated in the contract agreement)</p>	<p>placements within the available space which shall be evaluated as well.</p> <p><b>Note:</b> The successful bidder / vendor shall be responsible for registration, renewal, inspection and PPM for the boiler. (It is mandatory clause, which will be incorporated in the contract agreement)</p>				
<p>The successful bidder / vendor shall be responsible for registration, renewal, inspection and PPM for the boiler. (It is mandatory clause, which will be incorporated in the contract agreement).</p> <p><b>Note:</b> As per recommendation of Consultant &amp; TAEC decided that the proposal should be accepted in PACKAGE / LOT Wise, because this is one integrated unit, steam dependent changes / renovation / site modification to make a proper system have to be done by the supplier</p>	<p>Agreed</p>	<p>Yes</p>			
<p>The successful bidder / vendor shall be responsible for registration, renewal, inspection and PPM for the boiler. (It is mandatory clause, which will be incorporated in the contract agreement).</p> <p><b>Note:</b> As per recommendation of Consultant &amp; TAEC decided that the proposal should be accepted in PACKAGE / LOT Wise, because this is one integrated unit, steam dependent changes / renovation / site modification to make a proper system have to be done by the supplier</p>	<p>Agreed</p>	<p>Yes</p>			

<p>TECHNICAL COMMITTEE MEMBERS</p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p> 	<p>Project Director KICH Peshawar</p> 	<p>Director Finance MTI/HMC Peshawar</p> 	<p>Director Admin/Finance KICH Peshawar</p> 	<p>Bio-Medical Engineer MTI/HMC Peshawar</p> 	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p>End User</p> 
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					<p>on turn-key basis as the location is same to be constructed as per flow of the hospital load.</p>
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<p>Extra Features</p>	<p>M/s Total Technologies</p> <p>WASHING / DISINFECTION / DRYING UNIT Model: UNICLEAN PL II 15-2 Make: MMM GROUP Country of Origin: GERMANY Country of Manufacturer: GERMANY Drive via cable electric motor with anti-pinch and counterweights. three-colour LED lights for improved visual monitoring and control of the program cycle. 4D cleaning system H-flow 2-step drying Up to 100,000 batches can be automatically saved in an integrated batch memory. Graphical display. 5.7-</p>	<p>M/s NEW ERRA TECHNOLOGIES</p>	<p>M/s STRONGMAN MEDIFUR</p>	<p>M/s MEDILAND PAKISTAN</p> <p>WASHER EXTRACTOR FRONT LOADING TYPE 35KG OR BETTER: Model: DHS-36 TOUCH II Make: DOMUS Country of Manufacturer: Spain Extra Features Touch II Control with a 7" touch screen double display. PC software free of charge for programming, traceability, data analysis.</p> <p>Washer Extractor Hygiene: Model: DHB-27 TOUCH II Make: DOMUS</p>	<p>M/s VERTEX MEDICAL</p>
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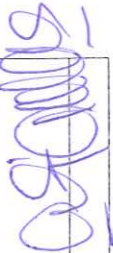
<p>TECHNICAL COMMITTEE MEMBERS</p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p>	<p>Project Director KICH Peshawar</p>	<p>Director Finance MTI/HMC Peshawar</p>	<p>Director Admin/Finance KICH Peshawar</p>	<p>Bio-Medical Engineer MTI/HMC Peshawar</p>	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p>	<p>End User</p>
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	<p>inch colour touch panel on the loading side, The complete unit is installed hygienically behind an easy to disinfect glass panel. Energy saving mode</p> <p><b>HEAVY DUTY STEAM STERILIZER</b>  <b>Model: Selectomat PL 6612-2 CL (CL= COMPACT LINE) Make: MMM GROUP</b>  <b>Country of Origin: GERMANY</b>  <b>Manufacturer: GERMANY</b>  Industrial controller from B&amp;R</p> <p>Touch screen display 10" on loading side &amp; LED status display on unloading side Internal cycle data storage 20,000 cycles.  Separate steam injection for jacket &amp; chamber  Steam Generator made of AISI 316 Ti. smallest footprint 995 mm  The entire control unit and accompanying electrical components</p>		<p><b>Country of Manufacturer:</b> Spain</p> <p><b>Extra Features</b>  Touch II Control with a 7" touch screen (29 preset programs) USB Connection. PC software free of charge for programming, traceability, data analysis... Screen on both sides of the machine as standard 37 available languages 8 dosing signals as standard</p>
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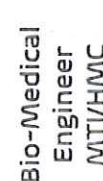


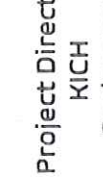

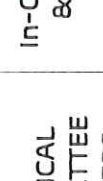

<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
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Signatures

					<p>installed in a clearly designed and easy to service control cabinet with IP 54 protection, which can be fully pulled out/accessed from front</p> <p><b>LOW TEMPERATURE STERILIZER (optional)</b>  <b>Model: HYPER LTS 150-1</b>  <b>Make: MMM GROUP</b>  <b>Country of Origin: GERMANY</b>  <b>Manufacturer: GERMANY</b>  Can sterilize Min. 1 mm/ max. 2 000 mm  Open/Close of the door over hands free foot switch  Rapid warmup &amp; Drying system  PLC control B&amp;R with MMM smart HMI USB History Memory  Validated software according DIN EN 62304  7" (16:9) touch screen on with MMM smart HMI  LED chamber door light with 3 status colors (cycle running, cycle completed, error message)</p>				
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	<p>Transfer hatch function Internal cycle data storage of up to 20,000 cycles Standby function Chamber made of Stainless Steel Validated software according DIN EN 62304 H2O2 GAS Cartridge expiry 60 days from Installation Date Total cycle time : Easy: 40 min Classic : 50 min Complex : 60 min</p>			<p><b>LOW TEMPERATURE STERILIZER (optional)</b> Model: AN4000.11 (EO GAS 4) Make: Andersen Sterilizers Country of Origin: USA Country of Manufacturer: USA uses very low ETO i.e 17.6 g gas cartridge. very fast cycle time i.e 3.5 hour* (*Always follow the manufacturer's guidelines)</p>	
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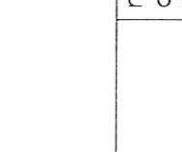
	<p>Door automatically locks and unlocks at start and finish of cycle</p> <p>Two-button interface and digital display makes EOGas 4 easy to use.</p> <p>Sterilization status and cabinet temperature shown throughout the cycle</p> <p>Warm air circulates throughout the chamber walls to maintain a constant temperature thus ensuring effective sterilization and aeration</p> <p>Active Aeration in Same Chamber</p> <p>Easy Installation</p> <p><b>ULTRASONIC CLEANER</b></p> <p>Model: SONICA 5300 Epi</p> <p>(i- Flush mounted/Integrated Version)</p> <p>Make: Soltec Srl</p> <p>Country of Origin: Italy/EU</p> <p>Digital display of time and temperature.</p> <p>Control panel window should have degassed time setting, cleaning</p>
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<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
<b>Signatures</b>							


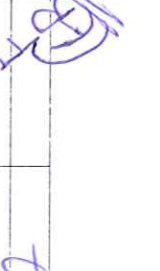



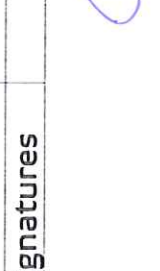

<p>time from 0-99 min &amp; temperature setting up to 70°C.</p> <p>The machine have capacity to memorize 8-10 programs &amp; Quick program function to start quickly. <b>WASHER EXTRACTOR</b></p> <p><b>Model: HS6032 Make: Girbau, SA.</b></p> <p><b>Country of Origin: SPAIN</b></p> <p>Drum made of Stainless steel AISI 304 without any welds, perforated blades &amp; viton seals.</p> <p>Stainless steel front &amp; pre coated side panels. 4 compartments (2 for liquids and 2 for powder) for internal dosing &amp; 10-12 independent electric signals with adjustable length for external dosing</p> <p>The unit has management and communication system between the inverter, the motor and the microprocessor controls the speed and the imbalances, reduces</p>																																																																																																																																																																											
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	<p>noise, vibrations and component fatigue. Hot and cold water mixer that achieves a highly precise temperature <math>\pm 1^{\circ}\text{C}</math> precision with the programmed water level, saving energy and reducing the wash cycle time.</p> <p>The machine control system ready to deal with delicate fabrics and the most sophisticated processes for Wet Cleaning processes</p> <p><b>WASHER EXTRACTOR HYGIENE</b>  <b>Model: BW 260 Make: Girbau, SA.</b>  <b>Country of Origin: SPAIN</b>      Drum made of Stainless steel AISI 304 without any welds, perforated blades &amp; viton seals.      Stainless steel front &amp; pre coated side panels. 4 compartments (2 for liquids and 2 for powder) for internal dosing &amp; 10-12 independent electric</p>			
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
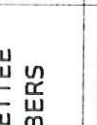
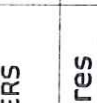
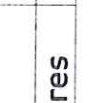
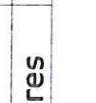
<b>TECHNICAL COMMITTEE MEMBERS</b>  <b>Signatures</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar 	<b>Project Director</b> KICH Peshawar 	<b>Director Finance</b> MTI/HMC Peshawar 	<b>Director Admin/Finance</b> KICH Peshawar 	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar 	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd. 	<b>End User</b> 
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	<p>signals with adjustable length for external dosing The unit has management and communication system between the inverter, the motor and the microprocessor controls the speed and the imbalances, reduces noise, vibrations and component fatigue. Hot and cold water mixer that achieves a highly precise temperature <math>\pm 1^{\circ}\text{C}</math> precision with the programmed water level, saving energy and reducing the wash cycle time. The machine control system ready to deal with delicate fabrics and the most sophisticated processes for Wet Cleaning processes</p> <p><b>DRYING TUMBLER</b> Model: ED660 Make: Girbau, SA. Country of Origin: SPAIN</p>
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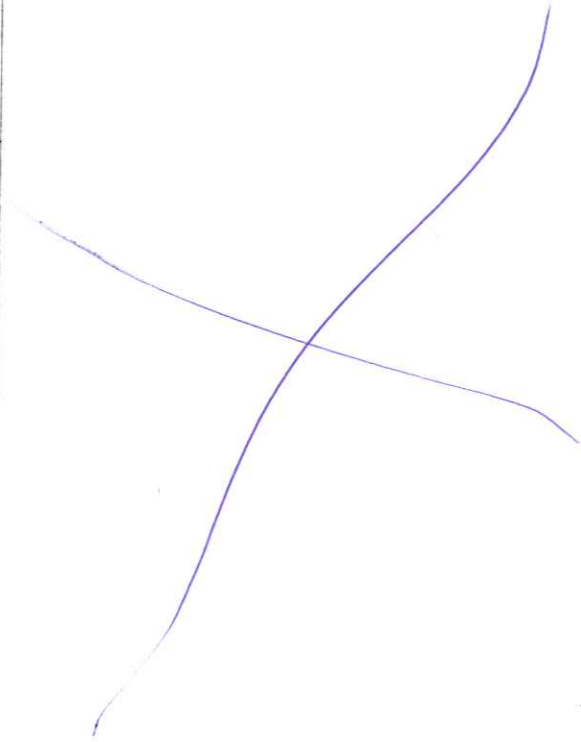
<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
<b>Signatures</b>							



	<p>down system &amp; automatic fire suppression system. The unit must have anti-wrinkle feature.</p> <p><b>FLAT WORK DRYER IRONER</b>  <b>Model: PB 5125 Make: Girbau, SA.</b>  <b>Country of Origin: SPAIN</b>  The roll is made of machined steel with mirror polishing and chrome plating. Automatic speed adjustment, the ironing speed depending on the type of linen and the degree of dampness. Finger guard protection with a double sensor monitors the active rest position with an initial check at each start-up. Speed: 1-9 m/ min (variable speed)  Lint filter</p>
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<b>TECHNICAL COMMITTEE MEMBERS</b>										<b>End User</b> 
<b>Signatures</b>		<b>In-Charge Purchase &amp; Procurement</b> MTI/H/MC Peshawar 	<b>Project Director</b> KICH Peshawar 	<b>Director Finance</b> MTI/H/MC Peshawar 	<b>Director Admin/Finance</b> KICH Peshawar 	<b>Bio-Medical Engineer</b> MTI/H/MC Peshawar 	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd. 			83   84

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Manager Human Resource MTI/HMC Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Manger CSSD MTI/HMC Peshawar	Bio-Medical Engineer MTI/HMC Peshawar
SIGNATURE							



TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
Signatures							

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# KHYBER INSTITUTE OF CHILD HEALTH AND CHILDREN HOSPITAL, PESHAWAR

## Pneumatic Tubing System

Sr#	ITEM DESCRIPTION	M/s Total Technologies	M/s RADIANT MEDICAL	M/s MEDILAND PAKISTAN	M/s VERTEX MEDICAL
1	<p><b>PNEUMATIC TUBE SYSTEM (Qty. 01)</b></p> <p>The pneumatic tube system will be used for transporting solid objects, as opposed to conventional pipelines, which transport blood units, tissue samples, urine specimens, injections, imaging or medications. It will save valuable time and human resources.</p> <p>The pneumatic tube system should be state of the art, user friendly, can move with</p>	<p><b>PNEUMATIC TUBE SYSTEM MODEL : AC3000</b>                      Make: AEROCOM                      Country of Origin: Germany</p> <p>The pneumatic tube system will be used for transporting solid objects, as opposed to conventional pipelines, which transport blood units, tissue samples, urine specimens, injections, imaging or medications. It will save valuable time and human resources.</p> <p>The pneumatic tube system will be state of the art, user friendly, can</p>	<p><u>General features:</u></p> <ul style="list-style-type: none"> <li>Pneumatic Tube System should enable fast and efficient transport of items within building or neighbouring buildings.</li> <li>Two Way Directional Operation: The system should be designed for two way directional operation using the single tube.</li> </ul>	<p><b>PNEUMATIC TUBE SYSTEM</b>                      Make: TELECOM                      Origin: Holland</p> <p>The pneumatic tube system is used for transporting solid objects, as opposed to conventional pipelines, which transport blood units, tissue samples, urine specimens, imaging or medications. It will save valuable time and human resources.</p> <p>The pneumatic tube system is state of the art, user friendly, can move with capsule with the speed of 3-6 m/sec and weight of</p>	<p><b>PNEUMATIC TUBING SYSTEM</b>                      MANUFACTURER:                      HANTER AB, SWEDEN                      COUNTRY OF ORIGIN: SWEDEN</p> <p>The pneumatic tube system will be used for transporting solid objects, as opposed to conventional pipelines, which transport blood units, tissue samples, urine specimens, injections, imaging or medications. It will save valuable time and human resources.</p> <p>The pneumatic tube system should be state of the art, user friendly, can move with capsule with the speed of 3-6 m/sec and weight of approx.</p>

<b>TECHNICAL COMMITTEE MEMBERS</b>	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
<b>Signatures</b>							

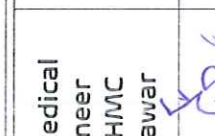
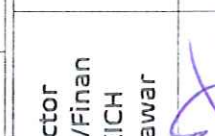
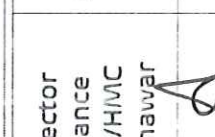
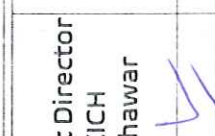
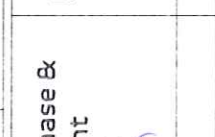
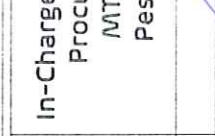
	<p>capsule with the speed of 3-6 m/sec and weight of approx. 3 kg per carrier.</p> <p>As a terminal or through station, the Station shall be FRONT-LOADING type and can be connected to the tube from above and below, and it should be installed with a fixed wall.</p>	<p>move with capsule with the speed of 3-6 m/sec and weight of approx. 3 kg per carrier.</p> <p>As a terminal or through station, the Station will be FRONT-LOADING type and can be connected to the tube from above and below, and it will be installed with a fixed wall.</p>	<ul style="list-style-type: none"> <li>• Safe Transportation: System have RFID technology which prevents sending any item other than the carrier ensuring the safer operation.</li> <li>• Time Saving: Transportation across long distances within just a few moments. The standard transportation speed should be upto 8 m/sec. Infection free transportation of the material certificates required validated by third party/customer, certificate is enclosed with</li> </ul>	<p>approx. 5 kg per carrier. As a terminal Station is FRONT-LOADING type and can be connected to the tube from above and below, and it would be installed with a fixed wall.</p>	<p>3 kg per carrier. As a terminal or through station, the Station shall be FRONT-LOADING type and can be connected to the tube from above and below, and it should be installed with a fixed wall.</p>
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2	STRAIGHT TUBE (160mm)	<p>M/s Total Technologies</p> <p>STRAIGHT TUBE (160mm) Model: OD 160 pipe Supplier: AEROCOM Country of Origin: Germany</p>	<p>M/s RADIANT MEDICAL</p> <p>STRAIGHT TUBE (160mm) Model : RP30512B Manufacturer: Ing. Sumetzberger GMBH, Austria</p>	<p>M/s MEDILAND PAKISTAN</p> <p>STRAIGHT TUBE (160mm) Model: Tube straight NW 160</p>	<p>M/s VERTEX MEDICAL</p> <p>STRAIGHT TUBE (160mm) Model: 6000004</p>
TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar
Signatures					Consultant Summit Healthcare Consultants (Pvt) Ltd. 
					End User







<p>2.1 It provides path to the carrier from one station to another.</p> <p>2.2 DIN Norm 6660 / 8061 / 8061</p> <p>2.3 Building material class B1 according to DIN 4102 part 4.</p> <p>2.4 Inherent stability up to 60 °C.</p>	<p>2.1 It provides path to the carrier from one station to another.</p> <p>2.2 DIN Norm 6660 / 8062</p> <p>2.3 Building material class B1 according to DIN 4102 part 4.</p> <p>2.4 Inherent stability up to 60 °C.</p>	<p>2.1 It provides path to the carrier from one station to another.</p> <p>2.2 DIN norm 6660/8061/8061</p> <p>2.3 Building material class B1 according to DIN 4102 part 4.</p> <p>2.4 Inherent stability up to 60 °C.</p>	<p>2.1 It provides path to the carrier from one station to another.</p> <p>2.2 DIN Norm 6660 / 8061 / 8062</p> <p>2.3 Building material class B1 according to DIN 4102 part 4.</p> <p>2.4 Inherent stability up to 60 °C.</p>	<p>2.1 It provides path to the carrier from one station to another.</p> <p>2.2 DIN Norm 6660 / 8061 / 8061</p> <p>2.3 Building material class B1 according to DIN 4102 part 4.</p> <p>2.4 Inherent stability up to 60 °C.</p>	<p>2.1 It provides path to the carrier from one station to another.</p> <p>2.2 DIN Norm 6660 / 8061 / 8061</p> <p>2.3 Building material class B1 according to DIN 4102 part 4.</p> <p>2.4 Inherent stability up to 60 °C.</p>
<p>2.5 Thermal coefficient of linear expansion: 80x10<sup>-6</sup>K<sup>-1</sup></p> <p>2.6 Density = 1,38 kg/dm<sup>3</sup></p> <p>2.7 Straight Tube Outer Diameter (OD) Ø = 160 mm.</p> <p>2.8 Length per piece 5000 mm.</p>	<p>2.5 Thermal coefficient of linear expansion: 80x10<sup>-6</sup>K<sup>-1</sup></p> <p>2.6 Density = 1,51 g/cm<sup>3</sup></p> <p>2.7 Straight Tube Outer Diameter (OD) Ø = 160 mm.</p>	<p>2.5 Coefficient of thermal expansion in length= 80 x 10<sup>-6</sup> K<sup>-1</sup></p> <p>2.6 Density = 1,38 kg/dm</p> <p>2.7 OD Ø = 160 length= 5,000 mm.</p>	<p>2.5 Thermal coefficient of linear expansion: 80x10<sup>-6</sup>K<sup>-1</sup> Density = 1,38 kg/dm<sup>3</sup></p> <p>2.7 Straight Tube Outer Diameter (OD) Ø = 160 mm.</p>	<p>2.5 Thermal coefficient of linear expansion: 80x10<sup>-6</sup>K<sup>-1</sup></p> <p>2.6 Density = 1,38 kg/dm<sup>3</sup></p> <p>2.7 Straight Tube Outer Diameter (OD) Ø = 160 mm.</p> <p>2.8 Length per piece 5000 mm.</p>	<p>2.5 Thermal coefficient of linear expansion: 80x10<sup>-6</sup>K<sup>-1</sup></p> <p>2.6 Density = 1,38 kg/dm<sup>3</sup></p> <p>2.7 Straight Tube Outer Diameter (OD) Ø = 160 mm.</p>
<p>2.1 It provides path to the carrier from one station to another.</p> <p>2.2 DIN Norm 6660 / 8061 / 8061</p> <p>2.3 Building material class B1 according to DIN 4102 part 4.</p> <p>2.4 Inherent stability up to 60 °C.</p>	<p>2.1 It provides path to the carrier from one station to another.</p> <p>2.2 DIN Norm 6660 , 8062</p> <p>2.3 Building material class B1 according to DIN 4102 part 4.</p> <p>2.4 Inherent stability up to 60 °C.</p>	<p>2.1 It provides path to the carrier from one station to another.</p> <p>2.2 DIN norm 6660/8061/8061</p> <p>2.3 Building material class B1 according to DIN 4102 part 4.</p> <p>2.4 Inherent stability up to 60 °C.</p>	<p>2.1 It provides path to the carrier from one station to another.</p> <p>2.2 DIN Norm 6660 / 8061 / 8062</p> <p>2.3 Building material class B1 according to DIN 4102 part 4.</p> <p>2.4 Inherent stability up to 60 °C.</p>	<p>2.1 It provides path to the carrier from one station to another.</p> <p>2.2 DIN Norm 6660 / 8061 / 8061</p> <p>2.3 Building material class B1 according to DIN 4102 part 4.</p> <p>2.4 Inherent stability up to 60 °C.</p>	<p>2.1 It provides path to the carrier from one station to another.</p> <p>2.2 DIN Norm 6660 / 8061 / 8061</p> <p>2.3 Building material class B1 according to DIN 4102 part 4.</p> <p>2.4 Inherent stability up to 60 °C.</p>
<p>2.5 Thermal coefficient of linear expansion: 80x10<sup>-6</sup>K<sup>-1</sup></p> <p>2.6 Density = 1,38 kg/dm<sup>3</sup></p> <p>2.7 Straight Tube Outer Diameter (OD) Ø = 160 mm.</p> <p>2.8 Length per piece 5000 mm.</p>	<p>2.5 Thermal coefficient of linear expansion: 80x10<sup>-6</sup>K<sup>-1</sup></p> <p>2.6 Density = 1,51 g/cm<sup>3</sup></p> <p>2.7 Straight Tube Outer Diameter (OD) Ø = 160 mm.</p>	<p>2.5 Coefficient of thermal expansion in length= 80 x 10<sup>-6</sup> K<sup>-1</sup></p> <p>2.6 Density = 1,38 kg/dm</p> <p>2.7 OD Ø = 160 length= 5,000 mm.</p>	<p>2.5 Thermal coefficient of linear expansion: 80x10<sup>-6</sup>K<sup>-1</sup> Density = 1,38 kg/dm<sup>3</sup></p> <p>2.7 Straight Tube Outer Diameter (OD) Ø = 160 mm.</p>	<p>2.5 Thermal coefficient of linear expansion: 80x10<sup>-6</sup>K<sup>-1</sup></p> <p>2.6 Density = 1,38 kg/dm<sup>3</sup></p> <p>2.7 Straight Tube Outer Diameter (OD) Ø = 160 mm.</p> <p>2.8 Length per piece 5000 mm.</p>	<p>2.5 Thermal coefficient of linear expansion: 80x10<sup>-6</sup>K<sup>-1</sup></p> <p>2.6 Density = 1,38 kg/dm<sup>3</sup></p> <p>2.7 Straight Tube Outer Diameter (OD) Ø = 160 mm.</p>
<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p>	<p><b>Project Director</b> KICH Peshawar</p>	<p><b>Director Finance</b> MTI/HMC Peshawar</p>	<p><b>Director Admin/Finance</b> KICH Peshawar</p>	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p>
<p><b>Signatures</b></p>	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p>	<p><b>End User</b></p>	<p>3   73</p>		



<p>2.9 Material: Transparent/opaque Polyvinylchloride PVC.</p> <p>2.10 Bend Radius: 800 mm.</p>	<p>2.8 Length per piece 5000 mm.</p> <p>2.9 Material Polyvinylchloride</p> <p>2.10 Bend Radius: 800 mm</p>	<p>2.8 Length per piece 5000 mm.</p> <p>2.9 Material: Opaque Polyvinylchloride PVC.</p> <p>2.10 Bend NW160 R=800</p>	<p>2.8 Length per piece 5000 mm.</p> <p>2.9 Material: Grey Polyvinylchloride PVC.</p> <p>2.10 Bend Radius: 800 mm. Complete with accessories i.e., sleeves, pipe clamps and hose clamps</p>
<p>Physical Tensile Strength = 55 N/mm<sup>2</sup></p> <p>Modulus of Elasticity = 3,000 N/mm<sup>2</sup></p> <p>Thermal Conductivity = 0.16 W/mk</p> <p>Stability in dimension = 600 C up to -250 C</p> <p>Electrical surface resistivity = -10<sup>12</sup></p>			

<p>TECHNICAL COMMITTEE MEMBERS</p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p> 	<p>Project Director KICH Peshawar</p> 	<p>Director Finance MTI/HMC Peshawar</p> 	<p>Director Admin/Finance KICH Peshawar</p> 	<p>Bio-Medical Engineer MTI/HMC Peshawar</p> 	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p>End User</p>
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	<p>2.11 Complete with accessories i.e. sleeves, pipe clamps and hose clamps etc.</p>	<p>2.11 PVC bend Complete with accessories i.e. sleeves, pipe clamps and hose clamps etc</p>	<ul style="list-style-type: none"> <li>• Water take up in 24 hours = 0.03 %</li> <li>• Combustibility= Self-extinguishing</li> <li>• It should endure significant impacts without any fracture</li> <li>• It provides path to carrier from one station to another station.</li> <li>• Material: Oaque polyvinylchloride PVC</li> </ul> <p>2.11 Complete with accessories i.e sleeves, pipe, clamps and hose clamps, etc</p>		
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3	<u>PIPE CLAMPS:</u>		M/s Total Technologies	M/s RADIANT MEDICAL	M/s MEDILAND PAKISTAN	M/s VERTEX MEDICAL	
TECHNICAL COMMETTEE MEMBERS	In-Charge Purchase & Procurement MTI/H/MC Peshawar	Project Director KICH Peshawar	Director Finance MTI/H/MC Peshawar	Director Admin/Finan ce KICH Peshawar	Bio-Medical Engineer MTI/H/MC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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<p>PIPE CLAMPS: Model: OD 160 Clamp Supplier: AEROCOM Country of Origin: Germany</p>	<p>PIPE CLAMPS: Model: Q 145106A Manufactured By: Ing. Sumetzberger GMBH, Austria</p>	<p>PIPE CLAMPS Model: 6070049</p>	<p>PIPE CLAMPS</p>
<p>3.1 Tube clamps only with fire resistance test for the suspension and installation of dispatch tube. Clamps are also suitable for use in fire-corridors. Inside with soundproof rubber insert.</p>	<p>3.1 Tube clamps only with fire resistance test for the suspension and installation of dispatch tube. Clamps are also suitable for use in fire-corridors. Inside with soundproof rubber insert.</p>	<p>3.1 Tube clamps only with fire resistance test for the suspension and installation of dispatch tube. Clamps are also suitable for use in fire-corridors. Inside with soundproof rubber insert.</p>	<p>3.1 Tube clamps only with fire resistance test for the suspension and installation of dispatch tube. Clamps are also suitable for use in fire-corridors. Inside with soundproof rubber insert.</p>
<p>3.2 Incl. safety-buckle for quick closing mechanism.</p>	<p>3.2 Incl. safety-buckle for quick closing mechanism.</p>	<p>3.2 Incl. safety-buckle for quick closing mechanism.</p>	<p>3.2 Incl. safety-buckle for quick closing mechanism.</p>
<p>3.3 Incl. pre-assembled, slip-proof rubber profile for noise reduction.</p>	<p>3.3 Incl. pre-assembled, slip-proof rubber profile for noise reduction.</p>	<p>3.3 Incl. pre-assembled, slip-proof rubber profile for noise reduction.</p>	<p>3.3 Incl. pre-assembled, slip-proof rubber profile for noise reduction.</p>

<p>TECHNICAL COMMITTEE MEMBERS</p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p>	<p>Project Director KICH Peshawar</p>	<p>Director Finance MTI/HMC Peshawar</p>	<p>Director Admin/Finance KICH Peshawar</p>	<p>Bio-Medical Engineer MTI/HMC Peshawar</p>	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p>	<p>End User</p>
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Signatures

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	reduction.	resistance test according to fire regulations.	3.4 Fire resistance test according to fire regulations. 3.5 Material composition: DD11 according to DIN EN 10111 3.6 Surface: Galvanized	3.4 Fire resistance test according to fire regulations. 3.5 Material composition: DD11 according to DIN EN 10111 3.6 Surface: Galvanized	3.4 Fire resistance test according to fire regulations. 3.5 Material composition: DD11 according to DIN EN 10111 3.6 Surface: Galvanized
3.4	Fire resistance test according to fire regulations.	3.4 Fire resistance test according to fire regulations.	3.4 Fire resistance test according to fire regulations.	3.4 Fire resistance test according to fire regulations.	3.4 Fire resistance test according to fire regulations.
3.5	Material composition: DD11 according to DIN EN 10111 Surface: Galvanized	3.5 Material composition: DD11 according to DIN EN 10111 Surface: Galvanized	3.5 Material composition: DD11 according to DIN EN 10111 Surface: Galvanized	3.5 Material composition: DD11 according to DIN EN 10111 Surface: Galvanized	3.5 Material composition: DD11 according to DIN EN 10111 Surface: Galvanized
3.6	Surface: Galvanized	3.6 Surface: Galvanized	3.6 Surface: Galvanized	3.6 Surface: Galvanized	3.6 Surface: Galvanized

4	<b>BEND TUBE (160mm)</b>	M/s Total Technologies BEND TUBE (160mm) Model: OD 160 Bend Supplier: AEROCOM Country of Origin: Germany	M/s RADIANT MEDICAL BEND TUBE 160 mm: Model: RP30341 Manufactured By: Ing. Sumetzberger GMBH, Austria	M/s MEDILAND PAKISTAN BEND TUBE (160mm) Model: Bend NW 160	M/s VERTEX MEDICAL BEND TUBE (160mm) Model: 6005046
4.1	It provides path to the carrier from one station to another.	4.1 It provides path to the carrier from one station to another.	4.1 It provides path to the carrier from one station to another.	4.1 It provides path to the carrier from one station to another.	4.1 It provides path to the carrier from one station to another.







TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
Signatures							

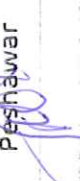





4.2	one station to another. DIN Norm 6660 / 8061 / 8061	4.2 DIN Norm 6660 / 8061 / 8061	4.2 DIN Norm 6660, 8062	4.2 DIN Norm 6660 / 8061 / 8061 / 8061
4.3	Building material class B1 according to DIN 4102 part 4. Inherent stability up to 60 °C.	4.3 Building material class B1 according to DIN 4102 part 4. Inherent stability up to 60 °C.	4.3 Building material class B1 according to DIN 4102 part 4. Inherent stability up to 60 °C.	4.3 Building material class B1 according to DIN 4102 part 4. 4.4 Inherent stability up to 60 °C.
4.4	Thermal coefficient of linear expansion: 80x10-6K-1	4.5 Thermal coefficient of linear expansion: 80x10-6K-1	4.5 Thermal coefficient of linear expansion: 80x10-6K-1	4.5 Thermal coefficient of linear expansion: 80x10-6K-1
4.5	Density = 1,38 kg/dm <sup>3</sup>	4.6 Density 1,38 kg/dm <sup>3</sup>	4.6 Density = 1,51 g/cm <sup>3</sup>	4.6 Density = 1,38 kg/dm <sup>3</sup>
4.6	Bend Outer Diameter (OD) Ø = 160 mm.	4.7 Bend Outer Diameter (OD) Ø = 160 mm.	4.7 Bend Outer Diameter (OD) Ø = 160 mm.	4.7 Bend Outer Diameter (OD) Ø = 160 mm.
4.7	Material: Transparent/Opaque	4.8 Material: Transparent/Opaque PVC.	4.8 Material: Opaque Polyvinylchloride PVC.	4.8 Material: Transparent/Opaque Polyvinylchloride PVC.

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
Signatures							




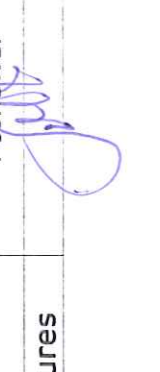


	Polyvinylchloride PVC. Bend Radius: 800 mm.	e Polyvinylchloride PVC. Bend Radius: 800 mm.	4.9 Bend Radius: 800 mm. 4.10 Complete with accessories i.e. sleeves, pipe clamps and hose clamps etc.	4.9 Bend Radius: 800 mm. 4.10 Complete with accessories i.e. sleeves, pipe clamps and hose clamps etc.	4.9 Bend Radius: 800 mm. 4.10 Complete with accessories i.e. sleeves, pipe clamps and hose clamps etc.
4.9	Complete with accessories i.e. sleeves, pipe clamps and hose clamps etc.	4.9 Bend Radius: 800 mm.	4.9 Bend Radius: 800 mm. 4.10 Bend Length: 1500 mm approx	4.9 Bend Radius: 800 mm. 4.10 Complete with accessories i.e. sleeves, pipe clamps and hose clamps etc.	4.9 Bend Radius: 800 mm. 4.10 Complete with accessories i.e. sleeves, pipe clamps and hose clamps etc.

5	<b>FRONT LOADING STATION:</b> FRONT LOADING STATION Model: TITAN-STATION AC3000 / ESW-Station AC3000 Make: AEROCOM Country of Origin: Germany	<b>M/s Total Technologies</b> FRONT LOADING STATION Model: DST Manufactured By: Ing. Sumezberger GMBH, Austria	<b>M/s RADIANT MEDICAL</b> FRONT LOADING STATION Model: SATURN NW 160	<b>M/s VERTEX MEDICAL</b> FRONT LOADING STATION Model: Station SFD
5.1	It is used to send and receive the carrier.	Fully automatic sending and receiving unit.	It is used to send and receive the carrier.	It is used to send and receive the carrier.
5.2	Front-loading type (carrier must be into the carrier).	Front-loading type (carrier must be into the station IN FRONT of it)	Front-loading type (carrier into the station IN FRONT of it)	Front-loading type (carrier must be into the carrier).

<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
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	<p>into the station IN FRONT of it)</p> <p>5.3 Station information must be shown on graphic display.</p> <p>5.4 Storage facility must be secured with a transparent / Translucent door in order to keep the carriers visually.</p> <p>5.5 When station is ready to send, the carrier starts automatically without pressing a button.</p> <p>5.6 Status written on display (like SEND, RECEIVE, BUSY, TEST etc.)</p>	<p>5.2 Front-loading type (carrier will be into the station IN FRONT of it)</p> <p>5.3 Station information will be shown on graphic display.</p> <p>5.4 Storage facility will be secured with a transparent / translucent door in order to keep the carriers visually.</p> <p>5.5 When station is ready to send, the carrier starts automatically without pressing a button.</p> <p>5.6 Status written on display (like SEND, RECEIVE, BUSY, TEST etc.)</p>	<p>Station information must be shown on graphic display.</p> <p>5.3</p> <p>5.4 Storage facility must be secured with a door.</p> <p>5.5 When station is ready to send, the carrier starts automatically without pressing a button.</p> <p>5.6</p>	<p>5.3 Station information is shown on graphic display.</p> <p>5.4 Storage facility is secured with a transparent door in order to keep the carriers visually.</p> <p>5.5 When station is ready to send, the carrier starts automatically without pressing a button.</p> <p>5.6 Status written on display (like SEND, RECEIVE, BUSY, TEST etc.)</p> <p>5.7 Membrane keypad.</p>	<p>the station IN FRONT of it)</p> <p>5.3 Station information must be shown on graphic display.</p> <p>5.4 Storage facility must be secured with a door in order to keep the carriers visually.</p> <p>5.5 When station is ready to send, the carrier starts automatically without pressing a button.</p> <p>5.6 Status written on display (like SEND, RECEIVE, BUSY, TEST etc.)</p>		
<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p> 	<p><b>Project Director</b> KICH Peshawar</p> 	<p><b>Director Finance</b> MTI/HMC Peshawar</p> 	<p><b>Director Admin/Finance KICH</b> Peshawar</p> 	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p> 	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p><b>End User</b></p>
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<p>5.7 Membrane keypad.</p>	<p>5.7 Membrane keypad</p>	<p>5.7 Membrane keypad</p>	<p>5.7 Membrane keypad.</p>	<p>5.7 Membrane keypad.</p>	<p>5.7 Membrane keypad.</p>
<p>5.8 RFID reader must be included to recognize ID card assigned to users for safer operation.</p>	<p>5.8 RFID reader must be included to recognize ID card assigned to users for safer operation.</p>	<p>5.8 RFID reader must be included to recognize ID card assigned to users for safer operation</p>	<p>5.8 Membrane keypad.</p>	<p>5.8 RFID reader must be included to recognize ID card assigned to users for safer operation.</p>	<p>5.8 RFID reader must be included to recognize ID card assigned to users for safer operation.</p>
<p>5.9 Complete with carrier rack with storage capacity of 4 carriers, Basket, Cushion and arrival signal</p>	<p>5.9 Complete with carrier rack with storage capacity of 4 carriers, Basket, Cushion and arrival signal.</p>	<p>5.9 Complete with carrier rack with storage capacity of 4 carriers, Basket, Cushion and arrival signal</p> <ul style="list-style-type: none"> <li>• Micro processor controlled Front-loading station</li> <li>• Exquisite design and complete (Not Partial) housing of station must be made of steel.</li> <li>• Plastic parts inside the station should be made of UL- listed material</li> </ul>	<p>5.9 Complete with carrier rack with storage capacity of 4 carriers, Basket, Cushion and arrival signal.</p>	<p>5.9 Complete with carrier rack with storage capacity of 4 carriers, Basket, Cushion and arrival signal.</p>	<p>5.9 Complete with carrier rack with storage capacity of 4 carriers, Basket, Cushion and arrival signal</p>

<p>TECHNICAL COMMITTEE MEMBERS</p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p>	<p>Project Director KICH Peshawar</p>	<p>Director Finance MTI/HMC Peshawar</p>	<p>Director Admin/Finance KICH Peshawar</p>	<p>Bio-Medical Engineer MTI/HMC Peshawar</p>	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p>	<p>End User</p>
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			<ul style="list-style-type: none"> <li>• Display should consist of four lines with 16 characters each</li> <li>• The station must be controlled by EMC tested, low smoke internal microprocessor boards.</li> <li>• With complete accessories</li> <li>• Self-adjusting maintenance-free gaskets</li> <li>• Contactless sensing of the unit positions</li> <li>• Super-dimensioned DC geared-motor.</li> <li>• RFID cards, qty.01 with each station.</li> <li>• It is used to send and receive the carrier.</li> <li>• Complete with carrier rack with storage capacity of 04 carriers.</li> </ul>		
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TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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				Basket, Cushion and arrival signal	
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6	<u>BOTTOM LOADING / FRONT LOADING STATION FOR LABORATORY</u> 6.1 It is used to send and receive the carrier in the laboratory. 6.2 Micro-processor controlled, fully automatic operation, fully automatic sending and receiving unit. 6.3 Status written on display (like SEND,	M/s Total Technologies BOTTOM / FRONT LOADING STATION FOR LABORATORY Model: Multiload Station AC 3000 Make: AEROCOM Country of Origin: Germany 6.1 Yes 6.2 Yes, it is bottom loading station, can receive multiply carriers at a time with receiving Open end station on guide rail. 6.3 Status written on display (like SEND,	M/s RADIANT MEDICAL BOTTOM LOADING STATION FOR LABORATORY Model : MLS Manufactured By: Ing. Sumetzberger GMBH, Austria 6.1 It is used to send and receive the carrier in the laboratory. 6.2 Micro-processor controlled Bottom-loading station Fully automatic sending and receiving unit. 6.3 Status written on display ( like SEND, RECEIVE, BUSY, TEST etc.), individually	M/s MEDILAND PAKISTAN BOTTOM / FRONT LOADING STATION FOR LABORATORY Model: SATURN NW 160 6.1 It is used to send and receive the carrier in the laboratory. 6.2 Micro-processor controlled, fully automatic operation, fully automatic sending and receiving unit. 6.3 Status written on display (like SEND, RECEIVE, BUSY, TEST etc.)	M/s VERTEX MEDICAL FRONT LOADING STATION FOR LABORATORY Model: Station TTX 6.3 Status written on display (like SEND,
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TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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RECEIVE, BUSY, TEST etc.)	RECEIVE, BUSY, TEST etc.) Station information will be shown on graphic display.	programmable destination number of 8 digits and address of 16 characters, a search key and a list of addresses must be there for convenient handling.	RECEIVE, BUSY, TEST etc.) Station information will be shown on graphic display.	RECEIVE, BUSY, TEST etc.)	RECEIVE, BUSY, TEST etc.)
6.4 Station information must be shown on graphic display.	6.4 Station information must be shown on graphic display.	6.4 Station information must be shown on graphic display	6.4 Station information must be shown on graphic display.	6.4 Station information must be shown on graphic display.	6.4 Station information must be shown on graphic display.
6.5 Membrane Keypad.	6.5 Membrane Keypad.	6.5 Membrane Keypad.	6.5 Membrane Keypad.	6.5 Membrane Keypad.	6.5 Membrane Keypad.
6.6 Three carriers can be loaded at the same time.	6.6 Three carriers can be loaded at the same time.	6.6 Two carriers can be loaded at the same time with possibility of assigning different	6.6 Two carriers can be loaded at the same time with possibility of assigning different	6.6 yes	6.6 Three carriers can be loaded at the same time.
6.7 RFID reader must be included to recognize ID card assigned to users for safer operation.	6.7 RFID reader is included to recognize ID card assigned to users for safer operation	6.7 RFID reader must be included to recognize ID card assigned to users for safer operation	6.7 RFID reader must be included to recognize ID card assigned to users for safer operation	6.7 yes	6.7 RFID reader must be included to recognize ID card assigned to users for safer operation.

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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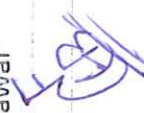

				<ul style="list-style-type: none"> <li>Exquisite design and complete (Not Partial) housing of station is made of steel.</li> <li>Plastic parts inside the station must be made of UL-listed material</li> <li>Display should consist of four lines with 16 characters each</li> <li>The station must be controlled by EMC tested, low smoke internal microprocessor boards.</li> <li>No air should exist in lab/Blood Bank while receiving a carrier avoiding contamination of environment</li> <li>destination which saves time</li> <li>Complete with motor driven slide valve (above station), carrier rack with storage capacity of 4 carriers and arrival signal</li> <li>With complete accessories</li> </ul>			
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TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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			<ul style="list-style-type: none"> <li>• Self-adjusting maintenance-free gaskets</li> <li>• Contactless sensing of the unit positions</li> <li>• Super-dimensioned DC geared-motor.</li> <li>• RFID cards, qty:01 with each station.</li> <li>• Three carriers can be loaded at the same time.</li> </ul>	
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7	<u>DIVERTER:</u>	<p>M/S Total Technologies</p> <p><u>DIVERTER</u> Model: 2 way /3 way /4 way /Make: AEROCOM Country of Origin: Germany</p> <p>7.1 Diverters pneumatically sealed.</p>	<p>M/S RADIANT MEDICAL</p> <p><u>THREE- WAY DIVERTER</u> Model : F3W-NW160 Manufactured By: Ing. Sumetberger GMBH, Austria</p> <p>7.1 Diverters pneumatically sealed.</p>	<p>M/S MEDI LAND PAKISTAN</p> <p><u>DIVERTER</u> Model: 3-Way Diverter.NW 160</p> <p>7.1 Diverters pneumatically sealed.</p>	<p>M/S VERTEX MEDICAL</p> <p><u>DIVERTER</u> Model: 6177211S</p> <p>7.1 Diverters pneumatically sealed.</p>		
TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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	<p>7.1 Diverter pneumatically sealed.</p> <p>7.2 Diverter can be 2-way, 3-way or 4-way-units.</p>	<p>7.2 Diverter will be 2-way, 3-way or 4-way-units. As per design</p>	<p>7.2 Diverter can be 2-way, 3-way, 4-way-units</p> <ul style="list-style-type: none"> <li>• Microprocessor controlled One (in)-two/three (out) type diverter</li> <li>• Sturdy mechanism with soft drive by V-belt</li> <li>• Complete housing of diverter should be made of steel</li> <li>• Self-adjusting maintenance-free gaskets</li> <li>• Contactless sensing of the unit positions</li> <li>• Air light, silent connection of tubes</li> <li>• Super-dimensioned DC geared-motor</li> </ul>	<p>7.2 Diverter are 3-way units</p>	<p>7.2 Diverter are 4-way-units but can be used as 2-way, 3-way or 4-way by configuration in system</p>
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<p>TECHNICAL COMMITTEE MEMBERS</p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p> 	<p>Project Director KICH Peshawar</p> 	<p>Director Finance MTI/HMC Peshawar</p> 	<p>Director Admin/Finance KICH Peshawar</p> 	<p>Bio-Medical Engineer MTI/HMC Peshawar</p> 	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p>End User</p>
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8	<u>CARRIER WITH RFID CHIPS:</u>  8.1 Carrier with the swivel lid incl. soft inside buffer and non-visible and non-accessible transponders.  8.2 Swivel cap self-closing with spring-mechanism.  8.3 It should be used for the transportation of transfusion bags, blood samples, blood bags, medicines and files etc.	M/s Total Technologies <u>CARRIER WITH RFID CHIPS</u> Model: Carrier OD 160 Make: AEROCOM Country of Origin: Germany	M/s RADIANT MEDICAL <u>CARRIER WITH RFID CHIPS</u> Model: RP45755R Manufactured By: Ing. Sumetzberger GMBH, Austria	M/s MEDILAND PAKISTAN <u>CARRIER WITH RFID CHIPS</u> Model: NW 160 with RFID	M/s VERTEX MEDICAL <u>CARRIER WITH RFID CHIPS</u> Model: 6036218
8.1	Carrier with the swivel lid incl. soft inside buffer and non-visible and non-accessible transponders.	8.1 Carrier with the swivel lid incl. soft inside buffer and non-visible and non-accessible transponders.	8.1 Carrier with the swivel lid incl. soft inside buffer and non-visible and non-accessible transponders.	8.1 Carrier with the swivel lid incl. soft inside buffer and non-visible and non-accessible transponders.	8.1 Carrier with the swivel lid incl. soft inside buffer and non-visible and non-accessible transponders.
8.2	Swivel cap self-closing with spring-mechanism.	8.2 Swivel cap self-closing with spring-mechanism.	8.2 Swivel cap self-closing with spring-mechanism.	8.2 Swivel cap self-closing with spring-mechanism.	8.2 Swivel cap self-closing with spring-mechanism.
8.3	It should be used for the transportation of transfusion bags, blood samples, blood bags, medicines and files etc.	8.3 It will be used for the transportation of transfusion bags, blood samples, blood bags, medicines and files etc.	8.3 It should be used for the transportation of transfusion bags, blood samples, blood bags, medicines and files etc	8.3 It is used for the transportation of transfusion bags, blood samples, blood bags, medicines and files etc.	8.3 It should be used for the transportation of transfusion bags, blood samples, blood bags, medicines and files etc.
8.4	4/5/6/7 different color code rings	8.4 4 different color code rings will be available	8.4 Six different color code rings should be available for	8.4 4 different color code rings should be available for	8.4 4 different color code rings should be available for
TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar
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<p>should be available for color coding of different departments/floors.</p> <p>8.5 2 RFID chips of carrier must be reprogrammable on site for home station with different address.</p>	<p>for color coding of different departments/floors.</p> <p>8.5 2 RFID chips of carrier will be reprogrammable on site for home station with different address.</p>	<p>color coding of different departments/floors.</p> <p>8.5 2 RFID chips of carrier are reprogrammable on site for home station with different address.</p>	<p>color coding of different departments/floors.</p> <p>8.5 2 RFID chips of carrier must be reprogrammable on site for home station with different address.</p>	<p>available for color coding of different departments/floors.</p> <p>8.5 2 RFID chips of carrier must be reprogrammable on site for home station with different address.</p>
<p>8.6 Complete with test tube inserts/ carrier insert bags</p>	<p>8.6 Complete with insert bags Carrier Diameter: 160 mm.</p>	<p>8.6 Complete with test tube inserts/ carrier insert bags</p>	<p>8.6 Complete with test tube inserts/ carrier insert bags</p>	<p>8.6 Complete with test tube inserts/ carrier insert bags</p>
<p>8.7 Carrier Diameter: 160 mm.</p>	<p>8.7 Can carry weight of approx. up to 3 kg.</p>	<p>8.7 Carrier Diameter: 160 mm.</p>	<p>8.7 Carrier Diameter: 160 mm.</p>	<p>8.7 Carrier Diameter: 160 mm.</p>
<p>8.8 Can carry weight of approx. up to 3 kg.</p>	<p>8.8 Can carry weight of approx. up to 3 kg.</p>	<p>8.8 Can carry weight of approx. up to 3 kg.</p>	<p>8.8 Can carry weight of approx. up to 3 kg.</p>	<p>8.8 Can carry weight of approx. up to 3 kg.</p>
<p>8.9 Payload measurements 115 x 330 mm.</p>	<p>8.9 Payload measurements 115 x 330 mm.</p>	<p>8.9 Loading diameter= 115 mm, Loading Length= 330 mm</p>	<p>8.9 Inside measurements inside length: 330 mm</p>	<p>8.9 Payload measurements 115 x 330 mm.</p>

<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p> 	<p><b>Project Director</b> KICH Peshawar</p> 	<p><b>Director Finance</b> MTI/HMC Peshawar</p> 	<p><b>Director Admin/Finance</b> KICH Peshawar</p> 	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p> 	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p><b>End User</b></p>
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		<ul style="list-style-type: none"> <li>• Disinfection temperature = max. 1200 C for 30 sec</li> <li>• Six different color code rings should be available for color coding of different departments/floors</li> <li>• Two RFID chip must be installed in the carrier ensuring the safer operation</li> <li>• RFID chips of carrier should be reprogrammable on site for home station with different address.</li> <li>• Soft inside buffer and non-visible and non-accessible transponders.</li> <li>• It should be used for the transportation of transfusion bags, blood samples, blood bags, medicines and files etc.</li> </ul>	Inside diameter: 116 mm Opening diameter: 108 mm	
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<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance KICH</b> Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant Summit Healthcare Consultants (Pvt) Ltd.</b>	<b>End User</b>
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9	<p><b>DISINFECTANT CARRIER:</b></p> <p>9.1 The disinfection carrier for the cleaning of the entire tube network.</p> <p>9.2 Disinfection carrier with integrated tank for disinfectant.</p>	<p>M/s Total Technologies</p> <p><b>DISINFECTANT CARRIER</b> Model: <u>DISINFECTANT CARRIER OD160</u> Make: <u>AEROCOM</u> Country of Origin: <u>Germany</u></p> <p>9.1 The disinfection carrier for the cleaning of the entire tube network.</p> <p>9.2 Disinfection carrier with integrated tank for disinfectant.</p>	<p>M/s RADIANT MEDICAL</p> <p><b>DISINFECTANT CARRIER</b> Model: <u>RP48256</u> Manufactured By: <u>ing. Sumetzberger GMBH, Austria</u></p> <p>9.1 The disinfection carrier for the cleaning of the entire tube network</p> <p>9.2 The disinfection carrier for the cleaning of the entire tube network</p>	<p>M/s MEDILAND PAKISTAN</p> <p><b>DISINFECTANT CARRIER</b> Model: <u>AFS Carrier</u></p> <p>9.1 The disinfection carrier for the cleaning of the entire tube network.</p> <p>9.2 Disinfection carrier with integrated tank for disinfectant.</p>	<p>M/s VERTEX MEDICAL</p> <p><b>DISINFECTANT CARRIER</b> Model: <u>6036071</u></p> <p>9.1 The disinfection carrier for the cleaning of the entire tube network.</p> <p>9.2 Hunter offer a cleaning carrier that can be soaked in disinfection and send through the system. Our Manufacturer</p>
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<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
<b>Signatures</b>							

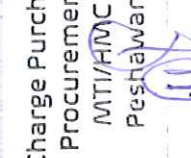



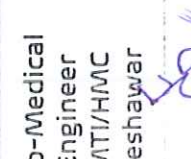
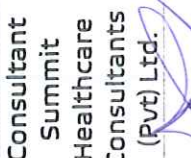
<p>9.3 Integrated pump sprays the disinfectant permanently into the tube. During disinfection no other carrier should be present in tube...</p> <p>9.4 Yes</p>	<p>9.3 Integrated pump sprays the disinfectant permanently into the tube.</p> <p>9.4 No carriers with attached sponges will be allowed.</p>	<p>9.3 Integrated pump sprays the disinfectant permanently into the tube.</p> <p>9.4 No carriers with attached sponges will be allowed</p> <p>8 The use of the germicidal UV lamps with bactericidal radiation specifically combats the dangerous microorganisms.</p> <p>9 The used peak wavelength of 265 ~ 278 nm</p> <p>10 Ensures a 100% more effective disinfection rate in a very short time.</p> <p>11 Disinfection carrier with integrated tank for disinfectant</p>	<p>9.3 Integrated pump sprays the disinfectant permanently into the tube. During disinfection no other carrier should be present in tube...</p> <p>9.4 Yes</p>	<p>9.3 Integrated pump sprays the disinfectant permanently into the tube.</p> <p>9.4 No carriers with attached sponges will be allowed.</p>	<p>recommends to use filters on the air inlets to avoid bacteria/virus to move into the tube system and between wards.</p> <p>160 mm cleaning carrier plastic foam</p>
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10	<p><u>CENTRAL CONTROL UNIT:</u></p>	<p>M/s MEDIANT PAKISTAN</p> <p><u>CENTRAL CONTROL UNIT</u> Model: BP ATLAS</p>	<p>M/s RADIANT MEDICAL</p> <p><u>CENTRAL CONTROL UNIT</u> Model: AIO-3 XS Manufactured By: Ing. Sumetzberger GMBH, Austria</p>	<p>M/s VERTEX MEDICAL</p> <p><u>CENTRAL CONTROL UNIT</u></p>
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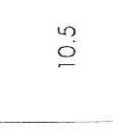


<p>TECHNICAL COMMITTEE MEMBERS</p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p>	<p>Project Director KICH Peshawar</p>	<p>Director Finance MTI/HMC Peshawar</p>	<p>Director Admin/Finance KICH Peshawar</p>	<p>Bio-Medical Engineer MTI/HMC Peshawar</p>	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p>	<p>End User</p>
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10.1	The supervision and controls of a Pneumatic Tube System with multiple zones has to be carried out in general by a microprocessor.	10.1 Yes, it will be visualized on LCD in blower room. Yes, it can be. But feasible place is blower room	10.1 It should control and monitor the operation of all components in all lines of the system.	10.1 The supervision and controls of a Pneumatic Tube System with multiple zones is carried out in general by a microprocessor.	10.1 The supervision and controls of a Pneumatic Tube System with multiple zones has to be carried out in general by a microprocessor.
10.2	The Central Control Unit of a single-zone-system must be able to be installed at any place of the system.	10.2 Yes	10.2	10.2 The Central Control Unit of a single-zone-system can be installed at any place of the system.	10.2 The Central Control Unit of a single-zone-system must be able to be installed at any place of the system.
10.3	The central control units of a multi-zone-system have to be installed in a combined box.	10.3 Yes.	10.3 The central control units of a multi-zone-system have to be installed in a combined box	10.3 The central control units of a multi-zone-system can be installed in a combined box.	10.3 The central control units of a multi-zone-system have to be installed in a combined box.
10.4	A Pneumatic Tube System with multiple zones has to be supervised and controlled by a PC.	10.4 Yes, on PC we can visualize the transactions. After installation of software through PC, System will work	10.4 A Pneumatic Tube System has to be supervised and controlled by a PC.	10.4 A Pneumatic Tube System with multiple zones can be supervised and controlled by a PC.	10.4 A Pneumatic Tube System with multiple zones has to be supervised and controlled by a PC. Should the PC unit be

<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
<b>Signatures</b>							

<p>Should the PC unit be disconnected or switched off, each single zone shall work independently of each other, all dispatches in a single zone have to be transported to the destination.</p>	<p>independently regardless of the PC in each zone.</p>	<p>10.5 The connection ports at the central control units and at the station controls must be plug and socket connectors.</p>	<p>disconnected or switched off, each single zone shall work independent of each other, all dispatches in a single zone have to be transported to the destination.</p>
<p>10.5 The connection ports at the central control units and at the station controls must be plug and socket connectors.</p>	<p>10.5 The connection ports at the central control units and at the station controls must be plug and socket connectors</p>	<p>10.5 The connection ports at the central control units and at the station controls must be plug and socket connectors</p> <p>10 It must identify the normal and abnormal operation of each device using different colors.</p> <p>11 I/O interfaces: 3 USB 2.0, 1 x USB 3.0, 1 x bus interface, 1 x VGA adapter, 2 x Ethernet, 1 x dongle, 1 x programming.</p> <p>12 Random Access Memory (RAM) should be 8 Gb.</p>	<p>10.5 The connection ports at the central control units and at the station controls must be plug and socket connectors</p>



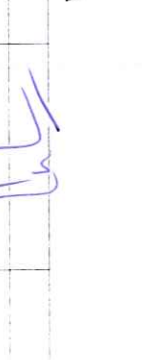



<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p> 	<p><b>Project Director</b> KICH Peshawar</p> 	<p><b>Director Finance</b> MTI/HMC Peshawar</p> 	<p><b>Director Admin/Finance</b> KICH Peshawar</p> 	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p> 	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p><b>End User</b></p>
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		<p>13 Operating System must be Linux which is more flexible than any other operating systems.          Complete with UPS, Monitor TFT 23", Keyboard and mouse</p> <p>14 The supervision and controls of a Pneumatic Tube System with multiple zones has to be carried out in general by a microprocessor.</p> <p>15 The Central Control Unit of a single-zone-system must be able to be installed at any place of the system.</p> <p>16</p> <p>17 Should the PC unit be disconnected or switched off, each single zone shall work independent of each other, all dispatches in a single zone have to be transported to the destination.</p>			
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11	POWER SUPPLY UNIT:	M/s	M/s	M/s	M/s	M/s	
TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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	<p><b>Total Technologies</b>  <b>POWER SUPPLY UNIT</b>  Supplier: <u>Switching Power Pack</u>  24V/DC-6.5A Make: <u>AEROCOM</u>  Country of Origin: <u>Germany / ROC</u></p>	<p><b>RADIANT MEDICAL</b>  <b>POWER SUPPLY UNIT</b>  Model: <u>PSU 2.0</u>  Manufactured By: <u>ing. Sumetzberger GMBH, Austria</u></p>	<p><b>MEDILAND PAKISTAN</b>  <b>POWER SUPPLY UNIT</b></p>	<p><b>VERTEX MEDICAL</b>  <b>POWER SUPPLY UNIT</b>  Model: <u>6610022</u></p>
<p>11.1 All power packs shall be regulated 240 VAC / 24 / 36VDC and be supplied in separate enclosures.</p>	<p>11.1 All power packs will be regulated 240 VAC / 24 VDC and will be supplied in separate enclosures</p>	<p>11.1 Input: 100-120 VAC and 200-240 VAC (auto-range) , 50-60 Hz  11 It should supply the power to microprocessor cards and motors of diverter and station  12 Output: 30 VDC</p>	<p>11.1 All power packs are regulated (115/230VAC / 42 VDC) and be supplied in separate enclosures</p>	<p>11.1 All power packs regulated 240 VAC / VDC and be supplied in separate enclosures</p>

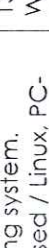
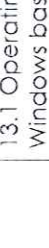


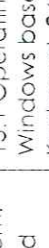

<p>12 <b>BLOWER UNIT:</b></p>	<p><b>M/s Total Technologies</b>  <b>BLOWER UNIT</b>  Model: <u>SD 7 Make: AEROCOM</u>  Country of Origin: <u>Germany</u></p>	<p><b>M/s RADIANT MEDICAL</b>  <b>BLOWER UNIT</b>  Model: <u>SU-6</u>  Manufactured By: <u>ing. Sumetzberger GMBH, Austria</u></p>	<p><b>M/s MEDILAND PAKISTAN</b>  <b>BLOWER UNIT</b>  Model: <u>SB0310</u></p>	<p><b>M/s VERTEX MEDICAL</b>  <b>BLOWER UNIT</b>  Model: <u>6031034S</u></p>
	<p>12.1 Rated Output: 3 KW , as</p>			

<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b>  MTI/HMS  Peshawar</p>	<p><b>Project Director</b>  KICH  Peshawar</p>	<p><b>Director Finance</b>  MTI/HMC  Peshawar</p>	<p><b>Director Admin/Finance</b>  KICH  Peshawar</p>	<p><b>Bio-Medical Engineer</b>  MTI/HMC  Peshawar</p>	<p><b>Consultant</b>  Summit Healthcare Consultants (Pvt) Ltd.</p>	<p><b>End User</b></p>
<p><b>Signatures</b></p>							<p>26   73</p>







<p>12.1 Rated Output: As per Design/ Requirement. Voltage= 3 phase</p> <p>12.2 Equipped with a three-way air valve for immediate switch without any delay from suction to pressure.</p>	<p>per design of indicated stations</p> <p>12.2 Voltage= 3 phase</p> <p>12.3 Equipped with a three-way air valve for immediate switch without any delay from suction to pressure.</p>	<p>12.1 Rated Output: 2.6 KW @ 75 Hz (2.2 KW @ 50 Hz)</p> <p>12.2 Voltage= 3 phase, 380 to 415 V (Y)</p> <ul style="list-style-type: none"> <li>• Max. Noise = 50 dBA approx.</li> <li>• Frequency must be variable from 0 to 75 Hz</li> <li>• Air Quantity= 8 m3/min</li> <li>• Complete with Air diverter, Frequency controller, Air diode (for safety purpose and to regulate the air flow in the system), Air cleaner and Pressure switch</li> <li>• With complete accessories.</li> <li>• Rated output: as per design/requirement</li> <li>• Voltage=3 phase</li> </ul>	<p>12.1 Rated Output: As per Design/ Requirement.</p> <p>12.2 Voltage= 3 phase</p> <p>12.3 Equipped with a three-way air valve for immediate switch without any delay from suction to pressure.</p>	<p>12.1 Rated Output: As per Design/ Requirement.</p> <p>12.2 Voltage= 3 phase</p> <p>12.3 Equipped with a three-way air valve for immediate switch without any delay from suction to pressure.</p>
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<p>TECHNICAL COMMITTEE MEMBERS</p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p> 	<p>Project Director KICH Peshawar</p> 	<p>Director Finance MTI/HMC Peshawar</p> 	<p>Director Admin/Finance KICH Peshawar</p> 	<p>Bio-Medical Engineer MTI/HMC Peshawar</p> 	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p>End User</p>
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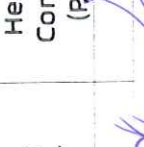
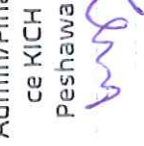





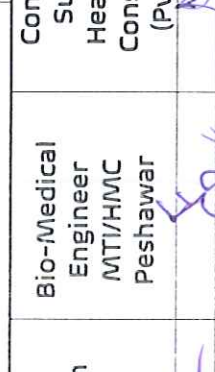
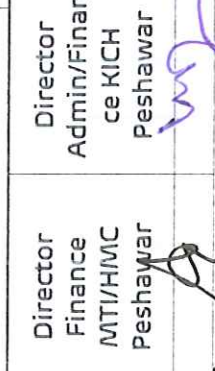
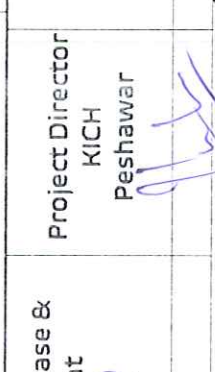
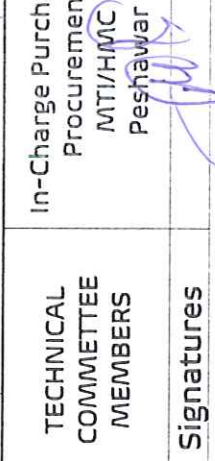

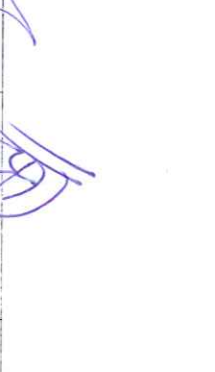
13	<p><b>SOFTWARE:</b></p> <p>The software of the PC, which is coordinating and controlling all activities of the system shall be such that a secure system free from any security gaps. It must include the following features:</p> <p>13.1 Operating system, Windows based /Linux , PC-Keyboard, 24" Flat-Screen-LCD Monitor</p>	<p>M/s <b>VERTEX MEDICAL</b></p> <p><b>SOFTWARE</b></p> <p>Model: BP – Atlas Software, BP-Analysis Software</p> <p>The software of the PC, which is coordinating and controlling all activities of the system shall be such that a secure system free from any security gaps. It must include the following features:</p> <p>13.1 Operating system, Windows based / Linux, PC-Keyboard, 24" Flat-Screen-LCD Monitor</p>	<p>M/s <b>MEDILAND PAKISTAN</b></p> <p><b>SOFTWARE</b></p> <p>Model: BP – Atlas Software, BP-Analysis Software</p> <p>The software of the PC, which is coordinating and controlling all activities of the system shall be such that a secure system free from any security gaps. It must include the following features:</p> <p>13.1 Operating system, Windows based / Linux, PC-Keyboard, 24" Flat-Screen-LCD Monitor</p>	<p>M/s <b>RADIANT MEDICAL</b></p> <p><b>SOFTWARE</b></p> <p>Model: Manufactured By: Ing. Sumetzberger GMBH, Austria</p> <p>The software of the PC, which is coordinating and controlling all activities of the system shall be such that a secure system free from any security gaps. It will include the following features:</p> <p>13.1 Operating system, Windows based, PC-Keyboard, 24" Flat-Screen-LCD Monitor</p>	<p>M/s <b>Total Technologies</b></p> <p><b>SOFTWARE</b></p> <p>Model: AC3000, Make: AEROCO, Country of Origin: Germany</p> <p>The software of the PC, which is coordinating and controlling all activities of the system shall be such that a secure system free from any security gaps. It will include the following features:</p> <p>13.1 Operating system, Windows based, PC-Keyboard, 24" Flat-Screen-LCD Monitor</p> <p>13.2 Help menus for easy</p>		
TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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13.2	Help menus for easy operation guidance	operation guidance	13.2 Help menus for easy operation guidance	13.2 Help menus for easy operation guidance	operation guidance
13.3	Graphical display of all zones	13.3 Graphical display of all zones	13.3 Graphical display of all zones	13.3 Graphical display of all zones	13.3 Graphical display of all zones
13.4	Monitoring and carrier flow in graphic and alphanumeric	13.4 Monitoring and carrier flow in graphic and alphanumeric	13.4 Monitoring and carrier flow in graphic and alphanumeric Status indication of all zones in different colours	13.4 Monitoring and carrier flow in graphic and alphanumeric	13.4 Monitoring and carrier flow in graphic and alphanumeric
13.5	Status indication of all zones in different colours	13.5 Status indication of all zones in different colours	13.5 Status indication of all zones in different colours	13.5 Status indication of all zones in different colours	13.5 Status indication of all zones in different colours
13.6	Operation and control of all parts in service mode	13.6 Operation and control of all parts in service mode	13.6 Operation and control of all parts in service mode	13.6 Operation and control of all parts in service mode	13.6 Operation and control of all parts in service mode
		13.7 Feedback by un-coded text / easy discernible symbols	13.7 Feedback by un-coded text or easy discernible symbols	13.7 Feedback by un-coded text or easy discernible symbols	13.7 Feedback by un-coded text or easy discernible symbols

<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
<b>Signatures</b>							

13.7	Feedback by un-coded text or easy discernible symbols	13.7 Feedback by un-coded text or easy discernible symbols	13.7 Feedback by un-coded text or easy discernible symbols	13.7 Feedback by un-coded text or easy discernible symbols
13.8	Modem connection for remote control possible by using PC Anywhere dial-in or VPN	13.8 Modem connection for remote control possible by using PC Anywhere dial-in or VPN	13.8 Modem connection for remote control possible by using PC Anywhere dial-in or VPN	13.8 Modem connection for remote control possible by using PC Anywhere dial-in or VPN
13.9	Or Remote access via VNC remote desktop.	13.9 Or Remote access via VNC remote desktop.	13.9 Or Remote access via VNC remote desktop.	13.9 Or Remote access via VNC remote desktop.
13.10	Access to programming mode with different passwords in different access-levels	13.10 Access to programming mode with different passwords in different access-levels	13.10 Access to programming mode with different passwords in different access-levels	13.10 Access to programming mode with different passwords in different access-levels
13.11	The programming mode enables the service engineer to enter the system data and topography by means of the keyboard of the PC. Any changes can be downloaded to the system any time and need only a few minutes of operation interruption.	13.11 The programming mode enables the service engineer to enter the system data and topography by means of the keyboard of the PC. Any changes can be downloaded to the system any time and need only a few minutes of operation interruption.	13.11 The programming mode enables the service engineer to enter the system data and topography by means of the keyboard of the PC. Any changes can be downloaded to the system any time and need only a few minutes of operation interruption.	13.11 The programming mode enables the service engineer to enter the system data and topography by means of the keyboard of the PC. Any changes can be downloaded to the system any time and need only a few minutes of operation interruption.

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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<p>means of the keyboard of the PC. Any changes can be downloaded to the system any time and need only a few minutes of operation interruption</p>	<p>13.12 Statistic for system, zones, stations, receiving and sending of carriers in graphical and alpha-numeric indication</p>	<p>13.12 Statistic for system, zones, stations, receiving and sending of carriers in graphical and alpha-numeric indication</p>	<p>13.12 Statistic for system, zones, stations, receiving and sending of carriers in graphical and alpha-numeric indication</p>	<p>need only a few minutes of operation interruption</p>	<p>13.12 Statistic for system, zones, stations, receiving and sending of carriers in graphical and alpha-numeric indication.</p>
<p>13.12 Statistic for system, zones, stations, receiving and sending of carriers in graphical and alpha-numeric indication</p>	<p>13.13 In a service mode, all system devices can be exercised and analysed from the control unit.</p>	<p>13.13 In a service mode, all system devices can be exercised and analysed from the control unit.</p>	<p>13.13 In a service mode, all system devices can be exercised and analysed from the control unit / PC</p>	<p>13.13 In a service mode, all system devices can be exercised and analysed from the control unit.</p>	<p>13.13 In a service mode, all system devices can be exercised and analysed from the control unit.</p>
<p>13.13 In a service mode, all system devices can be exercised and analysed from the control unit.</p>	<p>13.14 Preventive maintenance indication for stations and carriers</p>	<p>13.14 Preventive maintenance indication for stations and carriers</p>	<p>13.14 yes</p>	<p>13.14 Preventive maintenance indication for stations and carriers</p>	<p>13.14 Preventive maintenance indication for stations and carriers</p>
<p>13.14 Preventive maintenance indication for stations and carriers</p>	<p>13.15 Auto start will automatically</p>	<p>13.15 Auto start will automatically</p>	<p>13.15 yes</p>	<p>13.15 Auto start will automatically</p>	<p>13.15 Auto start will automatically complete any transaction in progress when power is lost.</p>
<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p>	<p><b>Director Finance</b> MTI/HMC Peshawar</p>	<p><b>Project Director</b> KICH Peshawar</p>	<p><b>Director Admin/Finance</b> KICH Peshawar</p>	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p>
<p><b>Signatures</b></p>					
<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p>		<p><b>End User</b></p>			

<p>13.15 Auto start will automatically complete any transaction in progress when power is lost.</p>	<p>13.16 yes</p>	<p>complete any transaction in progress when power is lost. Each station can</p>	<p>13.15 Auto start will automatically complete any transaction in progress when power is lost.</p>	<p>13.16 Each station can be switched off for receive in time zones by date, day and time</p>
<p>13.16 Each station can be switched off for receive in time zones by date, day and time</p>	<p>13.17 yes</p>	<p>Each station can be easily deactivated by pressing a button without system disruption</p>	<p>13.16 Each station can be switched off for receive in time zones by date, day and time</p>	<p>13.17 Stations can be easily deactivated by pressing a button without system disruption</p>
<p>13.17 Stations can be easily deactivated by pressing a button without system disruption</p>	<p>13.18 Real time clock</p>	<p>Real time clock.</p>	<p>13.17 Stations can be easily deactivated by pressing a button without system disruption</p>	<p>13.18 Real time clock</p>
<p>13.18 Real time clock</p>	<p>13.19 Parallel Centronics Interface or equivalent</p>	<p>Parallel Centronics Interface.</p>	<p>13.18 Real time clock</p>	<p>13.19 Printer.</p>
<p>13.19 Parallel Centronics Interface or equivalent</p>	<p>13.20 Printer, serial Current-Loop interface ( on PC screen )</p>	<p>Printer optional, serial Current-Loop interface</p>	<p>13.19 Parallel Centronics Interface or equivalent</p>	<p>13.20 Real time clock</p>
<p>13.20 Printer optional, serial Current-Loop interface</p>	<p>13.21 Printer, serial Current-Loop interface ( on PC screen)</p>	<p>Interface for serial data transfer.</p>	<p>13.20 Printer optional, serial Current-Loop interface</p>	<p>13.21 Interface for serial data transfer</p>

<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p>	<p>Project Director KICH Peshawar</p>	<p>Director Finance MTI/HMC Peshawar</p>	<p>Director Admin/Finance KICH Peshawar</p>	<p>Bio-Medical Engineer MTI/HMC Peshawar</p>	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p>	<p>End User</p>
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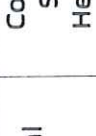

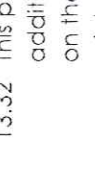
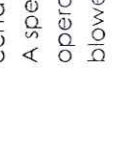

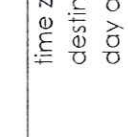
<p><b>Signatures</b></p>							<p>32   73</p>
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<p>13.21 Interface for serial data transfer</p> <p>13.22 Sending history tracking, data are continuously stored at background</p> <p>13.23 Printer history, continuous storing of all transmissions with date and time.</p>	<p>13.21 Interface for serial data transfer</p> <p>13.22 Sending history tracking, data are continuously stored at background</p> <p>13.23 Printer history, continuous storing of all transmissions with date and time.</p>	<p>13.22 Sending history tracking, data are continuously stored at background.</p> <p>13.23 Printer history, continuous storing of all transmissions with date and time.</p>	<p>13.21 Interface for serial data transfer (on PC screen)</p> <p>13.23 Yes, this file can be downloaded at any time</p>	<p>13.21 Interface for serial data transfer</p> <p>13.22 Sending history tracking, data are continuously stored at background</p> <p>13.23 Printer history, continuous storing of all transmissions with date and time.</p>
<p>13.24 Journal print-out is alternatively continuous or only in case of irregularities.</p>	<p>13.24 Journal print-out is alternatively continuous or only in case of irregularities.</p>	<p>13.24 Journal print-out is alternatively continuous or only in case of irregularities. Zone master; system data, topography and actual data are stored. They remain stored even if power is lost.</p>	<p>13.24 yes</p>	<p>13.24 Journal print-out is alternatively continuous or only in case of irregularities.</p>
<p>13.25 Zone master: system data, topography</p>	<p>13.25 Zone master: system data, topography and actual</p>	<p>13.25 Zone master: system data, topography and actual data are stored. They remain stored even if power is lost.</p>	<p>13.25 yes</p>	<p>13.25 Zone master: system data, topography</p>
<p>TECHNICAL COMMITTEE MEMBERS</p>	<p>In-Charge Procurement MTI/HMC Peshawar</p>	<p>Director Finance MTI/HMC Peshawar</p>	<p>Project Director KICH Peshawar</p>	<p>Director Admin/Finance KICH Peshawar</p>
<p>Signatures</p>	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p>	<p>Bio-Medical Engineer MTI/HMC Peshawar</p>	<p>13.26 2 outputs for building</p>	<p>End User</p>

	and actual data are stored. They remain stored even if power is lost.	13.26 yes	13.26 2 outputs for building services control	13.26 2 outputs for building services control	data are stored. They remain stored even if power is lost.	services control
13.26	2 outputs for building services control	13.27 yes	13.27 A fire alarm signal to the system switches off the blowers immediately to avoid the spread of smoke and toxic gases.	13.27 A fire alarm signal to the system switches off the blowers immediately to avoid the spread of smoke and toxic gases.	13.27 A fire alarm signal to the system switches off the blowers immediately to avoid the spread of smoke and toxic gases.	
13.27	A fire alarm signal to the system switches off the blowers immediately to avoid the spread of smoke and toxic gases.	13.28 yes	13.28 A disturbance is indicated in the display of all stations of the involved line.	13.28 A disturbance is indicated in the display of all stations of the involved line.	13.28 A disturbance is indicated in the display of all stations of the involved line.	
13.28	A disturbance is indicated in the display of all stations of the involved line.	13.29 yes	13.29 The absence mode diverts carriers to an alternate station (Follow me). This can be done in time zones for every destination by date, day and time.	13.29 The absence mode diverts carriers to an alternate station (Follow me). This can be done in time zones for every destination by date, day and time.	13.29 The absence mode diverts carriers to an alternate station (Follow me). This can be done in time zones for every destination by date, day and time.	
13.29	The absence mode diverts carriers to an alternate station (Follow me). This can be done in time zones for every destination by date, day and time.				13.30 Automatic or manual clearing	

<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
<b>Signatures</b>							

<p>time zones for every destination by date, day and time.</p> <p>13.30 Automatic or manual clearing</p> <p>13.31 To avoid condensate water, the blower can be programmed on a certain sequence.</p>	<p>13.30 yes</p> <p>13.31 yes</p>	<p>13.30 Automatic or manual clearing</p> <p>13.31 To avoid condensate water, the blower can be programmed on a certain sequence. A special program operates the blower from time to time.</p> <p>13.32 This process can be additionally shown on the screen or printed out with date and time.</p> <p>13.33 The handling of a station is very simple. Just enter the desired destination number and place the carrier in the carrier storage. The departure of the carrier will be carried out fully automated without any further activation.</p>	<p>every destination by date, day and time.</p> <p>13.30 Automatic or manual clearing</p> <p>13.31 To avoid condensate water, the blower can be programmed on a certain sequence. A special program operates the blower from time to time.</p> <p>13.32 This process can be additionally shown on the screen or printed out with date and time.</p> <p>13.33 The handling of a station is very simple. Just enter the desired destination number and place the carrier in the carrier storage. The departure of the carrier will be carried out fully automated without any further activation.</p>	<p>13.31 To avoid condensate water, the blower can be programmed on a certain sequence. A special program operates the blower from time to time.</p> <p>13.32 This process can be additionally shown on the screen or printed out with date and time.</p> <p>13.33 The handling of a station is very simple. Just enter the desired destination number and place the carrier in the carrier storage. The departure of the carrier will be carried out fully automated without any further activation.</p>
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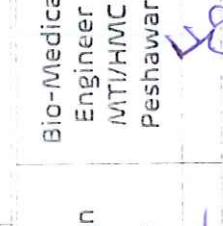
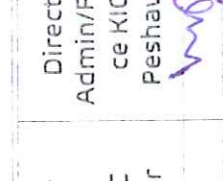
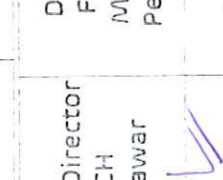
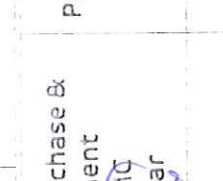
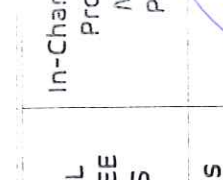
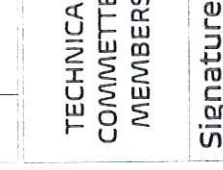
<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p> 	<p>Project Director KICH Peshawar</p> 	<p>Director Finance MTI/HMC Peshawar</p> 	<p>Director Admin/Finance KICH Peshawar</p> 	<p>Bio-Medical Engineer MTI/HMC Peshawar</p> 	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p>End User</p>
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<p>storage. The departure of the carrier will be carried out fully automated without any further activation.</p> <p>13.34 The station displays all relevant information.</p>	<p>13.34 YES we can make destinations name with numbers, e.g blood bank number 1, Laboratory number 2, so in this way by pressing 1 it will show blood bank. Also we can use A-Z alphabets</p> <p>13.35 yes</p>	<p>13.34 The station displays all relevant information</p> <p>13.35 Each station can display an electronic stored index. By pushing a button, a programmed destination from A-Z can be selected, it is not necessary to type the destination number</p>	<p>13.34 The station displays all relevant information.</p> <p>13.35 Each station can display an electronic stored index. By pushing a button, a programmed destination, from A-Z can be selected, it is not necessary to type the destination number.</p>	<p>13.34 The station displays all relevant information.</p> <p>13.35 Each station can display an electronic stored index. By pushing a button, a programmed destination, from A-Z can be selected, it is not necessary to type the destination number.</p> <p>13.36 Sending and receiving priorities can be designated to every station destination.</p>
<p>13.34 YES we can make destinations name with numbers, e.g blood bank number 1, Laboratory number 2, so in this way by pressing 1 it will show blood bank. Also we can use A-Z alphabets</p> <p>13.35 yes</p>	<p>13.34 The station displays all relevant information</p> <p>13.35 Each station can display an electronic stored index. By pushing a button, a programmed destination from A-Z can be selected, it is not necessary to type the destination number</p>	<p>13.34 The station displays all relevant information</p> <p>13.35 Each station can display an electronic stored index. By pushing a button, a programmed destination from A-Z can be selected, it is not necessary to type the destination number</p>	<p>13.34 The station displays all relevant information.</p> <p>13.35 Each station can display an electronic stored index. By pushing a button, a programmed destination, from A-Z can be selected, it is not necessary to type the destination number.</p>	<p>13.34 The station displays all relevant information.</p> <p>13.35 Each station can display an electronic stored index. By pushing a button, a programmed destination, from A-Z can be selected, it is not necessary to type the destination number.</p> <p>13.36 Sending and receiving priorities can be designated to every station destination.</p>
<p>13.34 YES we can make destinations name with numbers, e.g blood bank number 1, Laboratory number 2, so in this way by pressing 1 it will show blood bank. Also we can use A-Z alphabets</p> <p>13.35 yes</p>	<p>13.34 The station displays all relevant information</p> <p>13.35 Each station can display an electronic stored index. By pushing a button, a programmed destination from A-Z can be selected, it is not necessary to type the destination number</p>	<p>13.34 The station displays all relevant information</p> <p>13.35 Each station can display an electronic stored index. By pushing a button, a programmed destination from A-Z can be selected, it is not necessary to type the destination number</p>	<p>13.34 The station displays all relevant information.</p> <p>13.35 Each station can display an electronic stored index. By pushing a button, a programmed destination, from A-Z can be selected, it is not necessary to type the destination number.</p>	<p>13.34 The station displays all relevant information.</p> <p>13.35 Each station can display an electronic stored index. By pushing a button, a programmed destination, from A-Z can be selected, it is not necessary to type the destination number.</p> <p>13.36 Sending and receiving priorities can be designated to every station destination.</p>
<p>13.34 YES we can make destinations name with numbers, e.g blood bank number 1, Laboratory number 2, so in this way by pressing 1 it will show blood bank. Also we can use A-Z alphabets</p> <p>13.35 yes</p>	<p>13.34 The station displays all relevant information</p> <p>13.35 Each station can display an electronic stored index. By pushing a button, a programmed destination from A-Z can be selected, it is not necessary to type the destination number</p>	<p>13.34 The station displays all relevant information</p> <p>13.35 Each station can display an electronic stored index. By pushing a button, a programmed destination from A-Z can be selected, it is not necessary to type the destination number</p>	<p>13.34 The station displays all relevant information.</p> <p>13.35 Each station can display an electronic stored index. By pushing a button, a programmed destination, from A-Z can be selected, it is not necessary to type the destination number.</p>	<p>13.34 The station displays all relevant information.</p> <p>13.35 Each station can display an electronic stored index. By pushing a button, a programmed destination, from A-Z can be selected, it is not necessary to type the destination number.</p> <p>13.36 Sending and receiving priorities can be designated to every station destination.</p>

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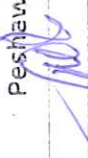





<p>13.36 Sending and receiving priorities can be designated to every station destination.</p> <p>13.37 System speed for slow transport of sensitive goods can be automatically or momentarily programmed to any desired sending - or receiving address.</p>	<p>13.37 yes</p>	<p>to every station destination</p> <p>13.37 System speed for slow transport of sensitive goods can be automatically or momentarily programmed to any desired sending - or receiving address.</p>	<p>13.37 System speed for slow transport of sensitive goods can be automatically or momentarily programmed to any desired sending - or receiving address.</p>
<p>13.37 System speed for slow transport of sensitive goods can be automatically or momentarily programmed to any desired sending - or receiving address.</p>	<p>13.38 yes</p>	<p>13.38 A control system assures that the system is ready as soon as a stored carrier is removed.</p>	<p>13.38A control system assures that the system is ready as soon as a stored carrier is removed.</p>
<p>13.38 A control system assures that the system is ready as soon as a stored carrier is removed.</p>	<p>13.39 yes</p>	<p>13.39 The indication of the time is alternatively possible in the display of the station.</p>	<p>13.39 The connection of a second, location actuator at a station is also possible.</p>
<p>13.39 The indication of the time is alternatively possible in the display of the station.</p>	<p>13.40 by sensitivity sensor</p>	<p>13.40 The connection of a second, location actuator at a station is also possible</p>	<p>13.40The connection of up to 08 arrival signals must be possible. Several destination numbers can be connected to one signal.</p>

<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p> 	<p>Project Director KICH Peshawar</p> 	<p>Director Finance MTI/HMC Peshawar</p> 	<p>Director Admin/Finance KICH Peshawar</p> 	<p>Bio-Medical Engineer MTI/HMC Peshawar</p> 	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p><b>End User</b></p>
<p><b>Signatures</b></p>	<p style="text-align: right;">37   73</p>						

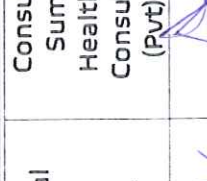
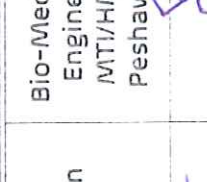
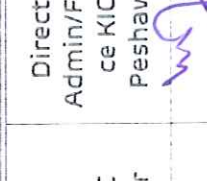
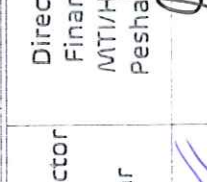
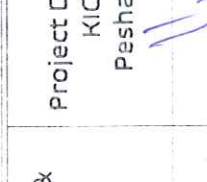
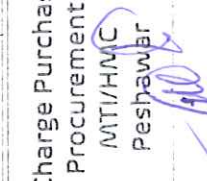
<p>13.40 The connection of a second, location actuator at a station is also possible.</p> <p>13.41 The connection of up to 16 arrival signals must be possible. Several destination numbers can be connected to one signal.</p>	<p>13.41 The connection of up to 16 arrival signals must be possible. Several destination numbers can be connected to one signal.</p>	<p>13.41 The connection of up to 16 arrival signals must be possible. Several destination numbers can be connected to one signal.</p>	<p>13.40 The connection of a second, location actuator at a station is also possible.</p> <p>13.41 The connection of up to 16 arrival signals must be possible. Several destination numbers can be connected to one signal.</p>	<p>13.41 The arrival signal is alternatively capable to extinguish itself within 10 seconds or has to be cancelled manually by pushing a button.</p>
<p>13.41 The connection of up to 16 arrival signals must be possible. Several destination numbers can be connected to one signal.</p>	<p>13.41 The connection of up to 16 arrival signals must be possible. Several destination numbers can be connected to one signal.</p>	<p>13.41 The connection of up to 16 arrival signals must be possible. Several destination numbers can be connected to one signal.</p>	<p>13.41 The connection of up to 16 arrival signals must be possible. Several destination numbers can be connected to one signal.</p>	<p>13.41 The arrival signal is alternatively capable to extinguish itself within 10 seconds or has to be cancelled manually by pushing a button.</p>
<p>13.42 The arrival signal is alternatively capable to extinguish itself within 10 seconds or has to be cancelled manually by pushing a button.</p>	<p>13.42 The arrival signal is alternatively capable to extinguish itself within 10 seconds or has to be cancelled manually by pushing a button.</p>	<p>13.42 The arrival signal is alternatively capable to extinguish itself within 10 seconds or has to be cancelled manually by pushing a button.</p>	<p>13.42 The arrival signal is alternatively capable to extinguish itself within 10 seconds or has to be cancelled manually by pushing a button.</p>	<p>13.42 Hanter use RFID to enable automatic addressing to the destination and back to the home station. Our experience is that most of the carriers is sent with blood samples to the laboratory and back. Having a number for normal station about 3 carriers and ICU some extra is sufficient. Carrier used for pharmacy can be used with another color code and used in similar manner. It is not possible to request empty carriers.</p>
<p>13.42 The arrival signal is alternatively capable to extinguish itself within 10 seconds or has to be cancelled manually by pushing a button.</p>	<p>13.42 The arrival signal is alternatively capable to extinguish itself within 10 seconds or has to be cancelled manually by pushing a button.</p>	<p>13.42 The arrival signal is alternatively capable to extinguish itself within 10 seconds or has to be cancelled manually by pushing a button.</p>	<p>13.42 The arrival signal is alternatively capable to extinguish itself within 10 seconds or has to be cancelled manually by pushing a button.</p>	<p>A certain number of carriers can be assigned to each station. Each arriving carrier is now added to this</p>

<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p>	<p><b>Project Director</b> KICH Peshawar</p>	<p><b>Director Finance</b> MTI/HMC Peshawar</p>	<p><b>Director Admin/Finance KICH</b> Peshawar</p>	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p>	<p><b>Consultant Summit Healthcare Consultants (Pvt) Ltd.</b> End User</p>
<p><b>Signatures</b></p>						







	<p>13.43 Automatic distribution of empty carriers. A certain number of carriers can be assigned to each station. Each arriving carrier is now added to this programmed carrier stock, while each dispatched carrier is subtracted. Users, who have too many carriers, can send them to empty carrier destination. The control unit distributes these carriers automatically to a station, which has least number of carriers.</p>	<p>13.43 yes</p>	<p>which has least number of carriers.</p> <p>13.43</p>	<p>13.43 Automatic distribution of empty carriers. A certain number of carriers can be assigned to each station. Each arriving carrier is now added to this programmed carrier stock, while each dispatched carrier is subtracted. Users, who have too many carriers, can send them to empty carrier destination. The control unit distributes these carriers automatically to a station, which has least number of carriers.</p>	<p>programmed carrier stock, while each dispatched carrier is subtracted. Users, who have too many carriers, can send them to empty carrier destination. The control unit distributes these carriers automatically to a station, which has least number of carriers.</p> <ul style="list-style-type: none"> <li>Security transport between selected stations "Receiving code"- We do not have a code to be used. But we do not block the carriers inside the system. A lockable cabinet can be used to only grant authorized staff to open and access arrived carriers and their content. The lock can be a key or a RFID card.</li> <li>Authorized users can activate an aware</li> </ul>
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<p>TECHNICAL COMMITTEE MEMBERS</p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p> 	<p>Project Director KICH Peshawar</p> 	<p>Director Finance MTI/HMC Peshawar</p> 	<p>Director Admin/Finance KICH Peshawar</p> 	<p>Bio-Medical Engineer MTI/HMC Peshawar</p> 	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p>End User</p>
<p>Signatures</p>							<p>39   73</p>

<p>distributes these carriers automatically to a station, which has least number of carriers.</p> <p><b>Exclusive transport (Option)</b></p> <p>13.44 Security transport between selected stations</p> <p>13.45 Receiving Code (Pin-Code end station)</p> <p>13.46 When using fully automatic end stations off a diverter, the station can be programmed in a way that the receiving carrier stays inside the</p>	<p>13.44 yes</p> <p>13.45 yes we can set password</p> <p>13.46 yes</p>	<p><b>Extra Features</b></p> <ol style="list-style-type: none"> <li>1 Software should be a user-friendly interface to plan, create, and edit a drawing of system</li> <li>2 Visualization of all activities e.g. current transaction (mimic), errors occurred etc. should be possible on monitor.</li> <li>3 Message in the form of email should be sent to Technician or other relevant person in case of fault, arrival of the carrier or any other predefined events in the system.</li> <li>4 Time specific send/receive authorization, forwarding of carrier and User pins should be available to configure in this software package.</li> </ol>	<p>blocked station with a sending code. This procedure is registered in the statistic and respectively on the printer. Only authorized users have access to the arrived carrier and their content.</p> <ul style="list-style-type: none"> <li>• A list of active transports can be recalled by date, time, ID-number, sending- and receiving address</li> </ul>
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p> 	<p>Project Director KICH Peshawar</p> 	<p>Director Finance MTI/HMC Peshawar</p> 	<p>Director Admin/Finance KICH Peshawar</p> 	<p>Bio-Medical Engineer MTI/HMC Peshawar</p> 	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p>End User</p>
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	<p>station until it is released by a PIN code. Only authorized users have access to the arrived carrier and their content.</p> <p>13.47 Authorized users can activate an aware blocked station with a sending code. This procedure is registered in the statistic and respectively on the printer. Only authorized users have access to the arrived carrier and their content.</p> <p>13.48 A list of active transports can be recalled by date, time, ID-number,</p>	<p>13.47 ycs</p>	<p>5 It should evaluate all past shipments (History) and provide characteristic numbers and chart of the system performance.</p> <p>6 The software of the PC, which is coordinating and controlling all activities of the system shall be such that a secure system free from any security gaps. It must include the following features:</p> <p>7 Exclusive transport (Option)</p> <p>8 Security transport between selected stations</p> <p>9 Receiving Code (Pin-Code end station)</p> <p>10 When using fully automatic end stations off a diverter, the station can be programmed in a way that the receiving carrier stays inside the station until it is released by a PIN code. Only authorized users have access to the arrived carrier and their content.</p> <p>11 Authorized users can activate an aware blocked station with a sending code. This</p>	<p>13.47 Authorized users can activate an aware blocked station with a sending code. This procedure is registered in the statistic and respectively on the printer. Only authorized users have access to the arrived carrier and their content.</p> <p>13.48 A list of active transports can be recalled by date, time, ID-number, sending-time, and receiving address.</p>		
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p> 	<p>Project Director KICH Peshawar</p> 	<p>Director Finance MTI/HMC Peshawar</p> 	<p>Director Admin/Finance KICH Peshawar</p> 	<p>Bio-Medical Engineer MTI/HMC Peshawar</p> 	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p>End User</p>
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	procedure is registered in the statistic and respectively on the printer. Only authorized users have access to the arrived carrier and their content.			
	12 A list of active transports can be recalled by date, time, ID-number, sending- and receiving address.			
	sending- and receiving address.			

14	<p><u>CABLE:</u></p> <p>14.1 To prevent data error, foil shielded data cable must get its insulation layer in the cable and a screen</p>	<p>M/s Total Technologies</p> <p><u>CABLE</u> Model: Data and Power Cable Supplier: AEROCOM Country of Origin: Germany</p> <p>14.1 To prevent data error, foil shielded data cable must get its insulation layer in the cable and a screen</p>	<p>M/s RADIANT MEDICAL</p> <p><u>CABLE</u> Model: K S118 Manufactured By: Ing. Sumetzberger GMBH, Austria</p> <p>14.1 To prevent data error, foil shielded data cable must get its insulation layer in the cable and a screen</p>	<p>M/s MEDILAND PAKISTAN</p> <p><u>CABLE</u></p> <p>14.1 To prevent data error, foil shielded data cable must get its insulation layer in the cable and a screen</p>	<p>M/s VERTEX MEDICAL</p>
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TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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14.2 Insulated Data cable and insulated supply cable must come under single outside insulation.	14.2 Insulated Data cable and insulated supply cable must come under single outside insulation. Two separate cables are not allowed 13 3 supply cables stranded together with a screen element ( 3*2.5mm2) 14 Each 2 wire in data cable stranded together ( 2*2*.23 mm2) 15 Isolation resistance = pair: ≤ 2 GΩ/km 16 Operating temperature = -30 <sup>o</sup> C to + 70 <sup>o</sup> C 17 . 18 With complete accessories	14.2 Insulated Data cable and insulated supply cable come under single outside insulation.	14.2 Insulated Data cable and insulated supply cable must come under single outside insulation. Two separate cables are not allowed 13 3 supply cables stranded together with a screen element ( 3*2.5mm2) 14 Each 2 wire in data cable stranded together ( 2*2*.23 mm2) 15 Isolation resistance = pair: ≤ 2 GΩ/km 16 Operating temperature = -30 <sup>o</sup> C to + 70 <sup>o</sup> C 17 . 18 With complete accessories	14.2 Insulated Data cable and insulated supply cable must come under single outside insulation
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15	<p><b>SPECIAL TERMS AND CONDITIONS:</b></p> <p>15.1 The bidders are requested to quote the unit price of the above</p>	<p>M/s Total Technologies</p> <p><b>SPECIAL TERMS AND CONDITIONS:</b></p>	<p>M/s RADIANT MEDICAL</p> <p>Special Terms and Conditions: We, agree with all terms and conditions, special terms and conditions of the tender.</p>	<p>M/s MEDILAND PAKISTAN</p> <p><b>SPECIAL TERMS AND CONDITIONS:</b></p>	<p>M/s VERTEX MEDICAL</p> <p><b>SPECIAL TERMS AND CONDITIONS:</b></p>
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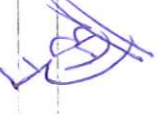

TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar 	Project Director KICH Peshawar 	Director Finance MTI/HMC Peshawar 	Director Admin/Finance KICH Peshawar 	Bio-Medical Engineer MTI/HMC Peshawar 	Consultant Summit Healthcare Consultants (Pvt) Ltd. 	End User
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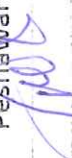





	<p>Pneumatic Tubing System.</p> <p>15.2 The loading/ receiving stations shall be placed at Operation Theatres, Emergency, Laboratory, Surgical ICU, NICU, Wards Third/ Fourth floor, Private wards.</p> <p>15.3 The bidders are required to quote for complete system and appropriate stations and diverters to complete the project.</p>	<p>15.2 The loading/ receiving stations will be placed at Operation Theatres, Emergency, Laboratory, Surgical ICU, NICU, Wards Third/ Fourth floor, Private wards.</p> <p>15.3 yes</p>	<p><b>POST WARRANTY &amp; MAINTENANCE COST WITH PARTS:</b></p> <p>6<sup>th</sup> YEAR @ 5%</p> <p>7<sup>th</sup> YEAR @ 6%</p> <p>8<sup>th</sup> YEAR @ 7%</p> <p>9<sup>th</sup> YEAR @ 8%</p> <p>10<sup>th</sup> YEAR @ 9%</p>	<p>15.2 The loading/ receiving stations will be placed at Operation Theatres, Emergency, Laboratory, Surgical ICU, NICU, Wards Third/ Fourth floor, Private wards</p>	<p>15.2 The loading/ receiving stations shall be placed at Operation Theatres, Emergency, Laboratory, Surgical ICU, NICU, Wards Third/ Fourth floor, Private wards.</p> <p>The civil and other installation work of the system will be on the part of the firm</p> <p>As per Tender Terms and Conditions.</p> <p>Free after Sales Service shall be provided by us for a period of warranty period. However, this does not cover any damage to the equipment due to natural wear and tear, negligent handling, faulty electrical connections and/or improper storage. Fragile Parts / components</p>
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p> 	<p><b>Project Director</b> KICH Peshawar</p> 	<p><b>Director Finance</b> MTI/HMC Peshawar</p> 	<p><b>Director Admin/Finance</b> KICH Peshawar</p> 	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p> 	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p><b>End User</b></p>
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	<p>The civil and other installation work of the system will be on the part of the firm.</p>	<p>Civil works regarding installation of PTS will be on our part, however Blower room walls, Electric cables upto Blower room will be hospital part.</p> <p>Agree</p> <p>Additional Features PNEUMATIC TUBE SYSTEM Model: AC3000 Make: AEROCOM Country of Origin: Germany</p> <p>1. We can give every station a name through software, e.g For station No#1 we can name it blood bank and</p>		<p>The civil and other installation work of the system will be on the part of the M/s Mediland Pakistan Pvt. Ltd</p> <p><b>ADDITIONAL FEATURES</b> PNEUMATIC TUBE SYSTEM Make: TELECOM Origin: Holand</p> <p><b>FRONT LOADING STATION</b> Special features: The Saturn is an ergonomically designed front-loading station, equipped with an automatic lockable transparent door. This station automatically sends and receives carriers and can be used as end- or feedthrough station. The Saturn is especially designed for very intensive use and has</p>	<p>are also not covered. 10 Years Parts Availability.</p>
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<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar 	<b>Project Director</b> KICH Peshawar 	<b>Director Finance</b> MTI/HMC Peshawar 	<b>Director Admin/Finance</b> KICH Peshawar 	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar 	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd. 	<b>End User</b>
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		<p>Station #2 we can name it Laboratory, so that the staff can use this system in a very easy way.</p> <p>2. In diverters we can manually use /shift the direction of the diverters by pushing a button on diverters. This is a very useful function in case of complain / fault.</p> <p>3. When the carrier receives on every station, it receives very gently on air cushion so, this system is very safe during operation.</p> <p>4. IF there is any fault / or carrier is not received on receiving station then the carrier automatically returned to master station.</p> <p>5. Whole system can be accessed remotely for the fault tracing and software upgradation</p>		<p>a long life cycle. The station is built with moulded parts made of ABS (colour RAL7035) and uses maintenance-free parts, such as the complete gear mechanism, all bearings, self-adjusting seals and failure-free feed contacts. The advanced breaking methods of Telecom's systems and the praised soft arrival of the Saturn protect sensitive samples during their sending, ensuring that no hemolysis will occur with bloodsamples</p> <p><b>Key-Benefits:</b></p> <p>1. <b>Frontloading:</b> With its praised ergonomic frontloading design, the Saturn station allows users to easily load carriers into the system and directly helps in the prevention of repetitive strain injuries (rsi). Loading a carrier into the Saturn</p>	
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				<p>station from the front means that you can directly see the carrier being loaded into the system while knowing that your sensitive samples have been placed carefully into its sending position</p> <p><b>2. Safe see-through door:</b> The Salurn comes equipped with a see-through door that not only looks great, but also is very functional. The station has the option to be lockable so authorized personnel can access the incoming sendings only, protecting your carriers from unwanted attention. When a carrier containing sensitive samples needs to be retrieved from the station, medical staff can easily see that a carrier is waiting to be</p>	
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	<p>retrieved from the station and handle the sensitive samples immediately.</p> <p>3. <b>Internal carousel based:</b> Via its internal carousel (no singular tube), the Saturn can connect in multiple positions; receive, passthrough and feedthrough. The smart technology of the Saturn automatically places the carousel in the right position. Also, the internal carousel controls the airflow and doesn't allow air from the system to be released within the room, contributing to less contamination and noise.</p> <p>4. <b>Feed-through:</b> The Saturn can be used as a feed-through station, immensely reducing the travel</p>						<p>Director Admin/Finance KICH Peshawar</p>	<p>Director Finance MTI/HMC Peshawar</p>	<p>Project Director KICH Peshawar</p>	<p>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</p>	<p>Bio-Medical Engineer MTI/HMC Peshawar</p>	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p>	<p>End User</p>
<p>TECHNICAL COMMITTEE MEMBERS</p>													
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				<p>distance within systems. Its advanced breaking methods also ensure that carriers will always arrive softly</p> <p><b>More-Benefits:</b></p> <ol style="list-style-type: none"> <li><b>Durable:</b> The Saturn is especially designed for very intensive use and has a very long life cycle. The station is built with moulded parts made of ABS (colour RAL7035) and uses maintenance-free parts, such as the complete gear mechanism, all bearings, self-adjusting seals and failure-free reed contacts</li> <li><b>Silent:</b> When the station sends or receives carriers, it produces a low</li> </ol>	
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<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar 	<b>Project Director</b> KICH Peshawar 	<b>Director Finance</b> MTI/HMC Peshawar 	<b>Director Admin/Finance KICH</b> Peshawar 	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar 	<b>Consultant Summit Healthcare Consultants (Pvt) Ltd.</b> 	<b>End User</b>
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				<p>sound level of less than 35dB</p> <p>3. <b>Maximum availability:</b> Each system has a controller that arranges transmissions in realtime sequence automatically when presenting carriers to the Saturn. This means that users don't have to wait at the station for a carrier to depart to the selected destination. When a carrier is in the station for dispatch, the Saturn can still receive other carriers and perform all handlings automatically</p> <p>4. <b>Maximum availability:</b> Each</p>	
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TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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				<p>system has a controller that arranges transmissions in real time sequence automatically when presenting carriers to the Saturn. This means that users don't have to wait at the station for a carrier to depart to the selected destination. When a carrier is in the station for dispatch, the Saturn can still receive other carriers and perform all handlings automatically</p> <p><b>5. Control panel characteristics:</b> Each control panel is designed with the user-experience in</p>			
<b>TECHNICAL COMMITTEE MEMBERS</b>	In-Charge Purchase & Procurement MTT/H/MC Peshawar	Project Director KICH Peshawar	Director Finance MTT/H/MC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTT/H/MC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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				<p>mind. The panels display all the relevant information concerning the stations and sendings and can do so in multiple languages</p> <p><b>6. Contamination prevention:</b> The complete outside of the station, including the control panel with display, is cleanable according to modern hospital standards (non-aggressive cleaning liquids). Also this station has a low air emission of maximum 2 liters per arrival</p> <p><b>7. Standards &amp; safety:</b> The Saturn meets the European CE standard for</p>	
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	<p>mechanical engineering, the EMC standards for electronics and printed circuit boards and meets the IP40 standard</p> <p>8. <b>Low-energy consumption:</b> By using the main system cable as power supply (SELV - 42 Volt DC), the Saturn achieves a low energy consumption. Additionally, using the main system cable means no external power supply is needed and protects users against electrical shocks</p> <p><b>CARRIER WITH RFID CHIPS</b> Key-Benefits</p> <p>1. <b>Durability:</b> The carriers are either made of impact resistant and fixed shape plastic or</p>						
<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p>In-Charge Purchase &amp; Procurement MTI/H/MC Peshawar</p> 	<p>Project Director KICH Peshawar</p> 	<p>Director Finance MTI/H/MC Peshawar</p> 	<p>Director Admin/Finance KICH Peshawar</p> 	<p>Bio-Medical Engineer MTI/H/MC Peshawar</p> 	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p>End User</p>


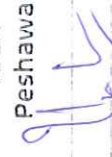

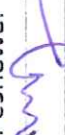


				<p>very strong polycarbonate. The body of the carriers and transparent and enable the user to check the content before safely opening the carrier. Non-transparent carriers are also available</p> <p><b>2. RFID+:</b> All carriers can be equipped with an RFID+ chip to enable carrier recognition and more RFID+ functionalities such as: auto-homing, track &amp; trace carrier wash and more. This option is available for the systems Atlas, Neptune and BP-Atlas (PC controlled).</p> <p><b>3. Made for hospitals:</b> The main sizes of the carriers are NW110 &amp; NW160, because those sizes are mostly used by hospitals. All Telecom medical</p>	
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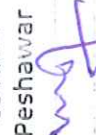


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				<p>carriers are durable, sterilizable and are provided with a swivel lid that guarantees the best closure available. The carriers can also be provided with several locking/sealing mechanisms</p> <p>4. • <b>Certified leak-proof:</b> Well-appreciated are our lockable TÜV-certified leak-proof carriers that can only be used in the system when locked. See the product sheet of the "leak-proof certified carrier" for more information</p> <p><b>More-Benefits:</b></p> <p>1. <b>Large color and size variation:</b> the carriers are available in the colours: blue, yellow, green and red &amp; in all tube sizes: NW60, NW63, NW90, NW100.</p>	
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<b>TECHNICAL COMMITTEE MEMBERS</b>  <b>Signatures</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar 	<b>Project Director</b> KICH Peshawar 	<b>Director Finance</b> MTI/HMC Peshawar 	<b>Director Admin/Finance KICH</b> Peshawar 	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar 	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd. 	<b>End User</b>
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				<p>NW110, NW124, NW150, NW160, NW200 and NW315</p> <p>• <b>Easy opening/closing:</b> with its swivel lid design, each carrier is easy to open/close and guarantees the best closure available</p> <p><b>3. Lockable:</b> optional lockable carriers are available and use an insert lock with key</p> <p><b>4. Hygienic:</b> all carriers are easily cleanable and sterilizable according to modern hospital standards</p> <p><b>5. Special cleaning carrier:</b> a special cleaning carrier can be sent through the system and clean the</p>	
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				<p>pneumatic tube system from the inside</p> <p>6. <b>Transparent middle body:</b> the body of the carriers is transparent and enables the contents to be checked before opening</p> <p>7. <b>Soft transfer rings:</b> the transfer rings on the carriers are made from durable and soft Velco and are even moist resistant</p> <p><b>Characteristics:</b></p> <p><b>CENTRAL CONTROL UNIT</b></p> <p><b>INTRODUCTION:</b></p> <p>The BP Atlas controlling system forms the mastermind of our pneumatic tube systems, it immensely powers each system and boosts the efficiency of internal logistics. BP-Atlas is our advanced and user-friendly control system that adds many smart</p>			
<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p> 	<p><b>Project Director</b> KICH Peshawar</p> 	<p><b>Director Finance</b> MTI/HMC Peshawar</p> 	<p><b>Director Admin/Finance</b> KICH Peshawar</p> 	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p> 	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p><b>End User</b></p>
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	<p>features to each pneumatic tube system. The control system works on a stand-alone dedicated network, optimizing safety and minimising external threats. It includes many smart features such as authorized access, a full track and trace database, simulation mode for training and testing, data export for reporting and a direct connection to the technical department for instant diagnostics and service. BP-Atlas is PC controlled, designed for Windows platforms 7 to 11 and comes prepared with multiple connection and integration possibilities. For analysis purposes we both offer on-premise BP Analysis or cloud based BP-Webreports.</p> <p><b>Key-Benefits:</b></p> <p>1. <b>Easy Graphical Configuring:</b> All system lines are fully graphical</p>	
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p>In-Charge Purchase &amp; Procurement MTI/H/MC Peshawar</p> 	<p>Project Director KICH Peshawar</p> 	<p>Director Finance MTI/H/MC Peshawar</p> 	<p>Director Admin/Finance KICH Peshawar</p> 	<p>Bio-Medical Engineer MTI/H/MC Peshawar</p> 	<p>Consultant Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p>End User</p>
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**Signatures**







				<p>configurable, just drag and drop each unit and connect them with your cursor. Each transmission can graphically be followed on the screen. Access to the software can be controlled by using passwords for different functions</p> <p><b>2. Track and Trace:</b> The software has the possibility to track and trace carriers, using RFID+. This means that carriers are followed during transfer through the entire system and all connected stations at multiple buildings and departments</p> <p><b>3. Priority Settings:</b> The software includes comprehensive station priority settings. These settings allow for further fine tuning both the station-</p>	
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<b>TECHNICAL COMMITTEE MEMBERS</b> <b>Signatures</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar 	<b>Project Director</b> KICH Peshawar 	<b>Director Finance</b> MTI/HMC Peshawar 	<b>Director Admin/Finance KICH</b> Peshawar 	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar 	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd. 	<b>End User</b>
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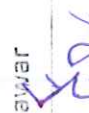

				<p>receiving and station-sending priorities separately. Priority levels are chosen from 00-99, having 100 levels for sending and 100 levels for receiving, for each station or coupler</p> <p><b>4. Activity Logging:</b> When the activity logging is switched on, it will store every step made by the system in a file on the hard disk. This way traceability is provided for every event in the system. Log files are stored as long as the hard disk permits, the number of logs is configurable</p> <p><b>ADDITIONAL FEATURES</b></p> <p>1. Stand-alone: BPAtlas operates on its own dedicated network, making the system safer and protecting it</p>	
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<p><b>TECHNICAL COMMITTEE MEMBERS</b></p>	<p><b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar</p> 	<p><b>Project Director</b> KICH Peshawar</p> 	<p><b>Director Finance</b> MTI/HMC Peshawar</p> 	<p><b>Director Admin/Finance KICH</b> Peshawar</p> 	<p><b>Bio-Medical Engineer</b> MTI/HMC Peshawar</p> 	<p><b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.</p> 	<p><b>End User</b></p>
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				<p>from external factors</p> <p>2. <b>BP-Webreports:</b> BP-Webreports is our intelligent cloud based analysis tool that is created for BP-Atlas and tracks transmissions, improvements, usage, sendings and more. Just ask for the product sheet for more information</p> <p>3. <b>BP Modbus:</b> BP-Modbus enables BPA Atlas to connect with Building Management Systems (BMS). It communicates with BP Atlas and a Modbus network (using TCP/IP protocol)</p> <p>4. <b>Time-scheduled actions:</b> The action schedule enables multiple station</p>			
<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance KICH</b> Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
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				<p>functionalities to be switched on/off based on a preferred time schedule</p> <p><b>5. SMART-Behaviour:</b> BP-Atlas recognizes when a carrier did not arrive at its destination, activating an automatic purge cycle of the system to ensure there is no blockage of the system.</p> <p><b>6. Creation of groups:</b> BP-Atlas enables the creation of user groups and department groups, to which sendings are specifically allowed or excluded. This ensures that materials always arrive at the right department</p>			
TECHNICAL COMMITTEE MEMBERS	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
Signatures							62   73







				<p>7. <b>Self-restoring:</b> After an external powerdrop, BP-Atlas will automatically recover and use all saved last-positions to continue its operations</p> <p>8. <b>Modular control:</b> Each system unit can be individually configured and controlled through the BP-Atlas software on the central controller (PC or client/server)</p> <p>9. <b>Authorized access management:</b> BP-Atlas allows users to manage authorized access, either via (hospital) badgecards or touch-key readers</p> <p><b>CE/EMC Regulations:</b> 10. The designed electronic concept</p>	
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<b>TECHNICAL COMMITTEE MEMBERS</b>  <b>Signatures</b>	In-Charge Purchase & Procurement MTI/HMC Peshawar 	Project Director KICH Peshawar 	Director Finance MTI/HMC Peshawar 	Director Admin/Finance KICH Peshawar 	Bio-Medical Engineer MTI/HMC Peshawar 	Consultant Summit Healthcare Consultants (Pvt) Ltd. 	End User
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				<p>is according to the applied European CE/EMC regulations, meaning it is not affecting other equipment or vice versa</p> <p><b>Interface unit—VO3</b></p> <p>BP-Atlas allows the use of 1 to 125 system lines and up to 996 stations, with full integral traffic between all stations per line. It is possible to link the individual lines to one central system with one overview of all traffic. Each separate line is linked to the PC in a TCP/IP network, working with fixed IP-addresses.</p> <p>11. Each system line has a VO-3 interface with 2 alarm inputs and outputs. They can be used in just one line or for the entire system to e.g.</p>	
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				<p>communicate with a BMS. The interface unit includes an internal power supply (115/230VAC - 42VDC) to feed to first 12 system units over a distance of approximate 150m MP-cable. Additional VO-2 power supplies are installed at longer lines and/or when more system units in a line</p> <p><b>Interface to PC</b> VO-3 interfaces are connected to the PC with an ethernet switch (or more if needed). CAT-5E UTP cables are used to connect the switch, the PC, network card and the interfaces (plug RJ45).</p> <p>12. The maximum recommended distance for UTP</p>			
<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshwar 	<b>Project Director</b> KICH Peshwar 	<b>Director Finance</b> MTI/HMC Peshwar 	<b>Director Admin/Finance KICH</b> Peshwar 	<b>Bio-Medical Engineer</b> MTI/HMC Peshwar 	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd. 	<b>End User</b>
<b>Signatures</b>	<p style="text-align: right;">65   73</p>						

				<p>cabling is 100m., Media converters (UTP to Fiber Opt) and fiber optic cables are required if longer distances need to be covered. Depending on the type of media converter, distances of 300M to 2KM are easily covered</p> <p><b>Atlas MP System Cable</b>          The Atlas MP-cable is our all-in-one system cable with 6 wires; 1 earth wire, 1 pair for data, 1 pair for power (42VDC) and a mass-reference wire. This cable is available in 3 versions:          A) Standard          B) Low smoke halogen free          C) Underground (protection)</p> <p><b>Special Features:</b>          Fully graphical user interface          • Drag and drop configuring          • RFID+ Track and Trace          • Priority settings</p>			
<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance KICH</b> Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
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				<ul style="list-style-type: none"> <li>• Activity logging</li> <li>• Easy exportable log files</li> <li>• Password protection</li> <li>• Multiple languages available</li> <li>• Interface unit with 2 alarm in and out puts</li> <li>• Optional analysis software</li> <li>• All-in-one system cable with 42VDC (Safety Extra Low Voltage)</li> <li>• Full simulation mode for testing/training</li> <li>• Connectable to technical department for instant diagnostics and service</li> <li>• Station functions can be switched of based on a time schedule</li> <li>• Automatic purge cycle after transmission time surpassed, quantity limitation per day is <b>BLOWER UNIT</b></li> </ul> <p>Introduction: Carriers travel through our pneumatic tube system by using a combination of bi-directional airflow and a low</p>	
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				<p>air pressure (e.g. max +/- 70 millibar). The air flows from a linear 3-phase blower for each line, and is controlled by our precise airflow regulating device that has a multi positioning valve (MSV). The MSV is responsible for airflow (equalizing carrier transfer speed), multiple sending speed settings and facilitating the soft arrival of carriers at their destinations.</p> <p>Telecom has a wide range of blowers available and our team of experts can assist you in selecting the right type of blower by determining the required air volume for each complete system. Telecom uses the highest quality blowers and combines them with the unique MSV to deliver its systems with the right air volume and a total control over the travel speed of a carrier.</p>	
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Key-benefits:

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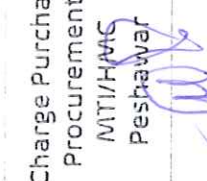
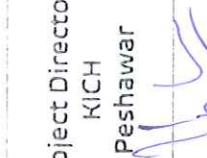

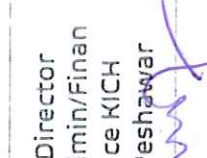
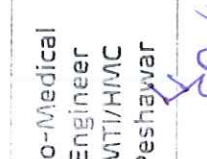
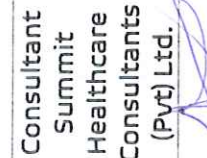
				<p><b>Multi Positioning Valve (MSV):</b>  All blowers of Telecom are paired with the MSV. Telecom's MSV allows full control over the air-flow within the system. The fully adjustable positioning valve determines the amount of pressure and suction air, without changing the rotation direction of the blower. This enables a fast and smooth change of pressure and suction air, that benefits the transport of each carrier. The blowers automatically save energy by switching off when no carriers are transported in its line, remaining energy-efficient</p> <p><b>Silence &amp; safety:</b> Telecom supplies all blowers with vibration dampers and noise dampers that have a damping capacity of &gt;25 dB. The electronic and digitally controlled 3-phase 400V blowers function on both</p>			
<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance</b> KICH Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
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				<p>50Hz and 60Hz networks, are in line with the IEC38 norm and come included with a maintenance switch and thermal protected contactor.</p> <p><b>International Standards:</b> All our blowers meet the CE guideline 2006/42/EC for mechanical engineering and the EMC standard 2004/108/EG. The blowers also meet the Ingress Protection IP55, the IEC 38 standard and include a thermal security.</p> <p><b>Installation:</b> The blowers require a wall or floor installation in a low-dust environment. All blowers can be mounted on an optional wall console to keep the blower free from the floor. Except for the SB0530, that is heavier and should be placed on the floor or concrete elevation. All blowers are maintenance</p>	
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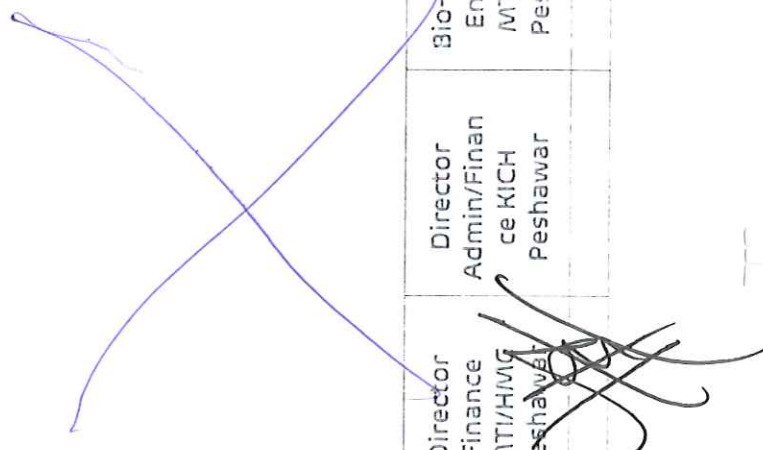
<b>TECHNICAL COMMITTEE MEMBERS</b>	<b>In-Charge Purchase &amp; Procurement</b> MTI/HMC Peshawar	<b>Project Director</b> KICH Peshawar	<b>Director Finance</b> MTI/HMC Peshawar	<b>Director Admin/Finance KICH</b> Peshawar	<b>Bio-Medical Engineer</b> MTI/HMC Peshawar	<b>Consultant</b> Summit Healthcare Consultants (Pvt) Ltd.	<b>End User</b>
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					<p>free and have a very long life cycle.</p> <p><b>More-Benefits:</b></p> <ol style="list-style-type: none"> <li>1 One blower for both air pressure and suction</li> <li>2 Fully adjustable positioning valve</li> <li>3 High efficiency air volume output</li> <li>4 Maintenance free</li> <li>5 Very long lifecycle</li> <li>6 Blower remains energy-efficient</li> <li>7 Silent design (ring blower)</li> <li>8 Meets international standards</li> <li>9 Thermal security &amp; Maintenance switch</li> <li>10 Heavy duty 3-phase blowers</li> </ol>	
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<b>TECHNICAL COMMITTEE MEMBERS</b>	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
<b>Signatures</b>							

<b>TECHNICAL COMMITTEE MEMBERS</b>	In-Charge Purchase & Procurement MTI/HMC Peshawar	Project Director KICH Peshawar	Manager Human Resource MTI/HMC Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Manger CSSD MTI/HMC Peshawar	Bio-Medical Engineer MTI/HMC Peshawar
<b>SIGNATURE</b>							



<b>TECHNICAL COMMITTEE MEMBERS</b>	<del>In-Charge Purchase &amp; Procurement MTI/HMC Peshawar</del>	Project Director KICH Peshawar	Director Finance MTI/HMC Peshawar	Director Admin/Finance KICH Peshawar	Bio-Medical Engineer MTI/HMC Peshawar	Consultant Summit Healthcare Consultants (Pvt) Ltd.	End User
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Signatures	