Bacha Khan Medical Complex (BKMC)
Swabi
Medical Teaching Institution (MTI)

Contact No: 0938-280214

BID SOLICITATION DOCUMENTS

FOR

Equipment for Blood Bank, Microbiology for BKMC
&
Thalassemia Center Equipment at THQ Chota Lahor Hospital

Note: The prospective bidder is expected to examine the Bidding Documents carefully, including all Instructions, Terms & Conditions, and Specifications etc. Failure to furnish all information required by the Bidding documents or submission of a Bid not substantially responsive to the Bidding Documents in every respect would result in the rejection of the Bid.

NOTE: CHANGES OF AFTER PRE BID MEETING ARE RED IN COLOR

INTRODUCTION:

Medical Teaching Institution (MTI)/ Bacha khan medical Complex Swabi invites item wise sealed bids from the eligible bidders (Manufacturers/ Importers/Authorized Dealers) for procurement of Open Competitive bidding under rule 6(2) (b) "***Single Stage Two Envelope***" bidding procedures of Khyber Pakhtunkhwa Public Procurement Regulatory Authority (KPPRA) Rules 2014.

Description	***Dates***
Closing/Last submission/Opening	_____
Pre- Bid Meeting	_____***, time:*** _____***AM***

1. INSTRUCTIONS TO BIDDERS:

1. This Bidding procedure will be conducted in light of Khyber Pakhtunkhwa Public Procurement Regulatory Authority (KPPRA) Laws, Rules made there under along with Standard Bidding Documents.
2. Both Technical Bids and Financial Bids must be submitted in two separate sealed inner envelops marked "1-Technical Bids" and "2-Financial Bids" which should be packed in one outer envelope.
3. The technical bids will be opened as mention in presence of the bidders/representatives who choose to attend while the financial bids will be opened later on after the evaluation of technical bids. Financial bids of only technically qualified responsive bidders will be opened while the financial bids of technically unqualified bidders will be returned unopened.
4. An affidavit is required, without indicating the figure in the Technical Bid that bid security is placed in the financial bid.
5. Pre-bid meeting with the interested bidders will be held on the above mention time and date in the office of Manager Material Management.
6. Any bid received after the deadline for submission of bids shall not be entertained and shall be returned unopened to the Bidder.
7. All the bidders are required to provide annexure wise complete requisite documents with page marking for their Technical Evaluation / Qualification as prescribed under the rules.
8. The bid should be complete in all respect and must be signed by the bidder. Both the offer (FOR & CNF) should be mention in the bid. Bidders are essentially required to provide correct and latest postal/email/web addresses, phone/mobile/fax numbers for actively and timely communication.
9. For any query, clarification regarding Services / Bid Solicitation Documents, the applicants may send a written request at least one day prior to the opening date.
10. The Bidder may after its submission withdraw its bid prior to the expiry of the deadline prescribed for submission of bids. Withdrawn bids will be returned unopened to the Bidders.
11. Any bid not received as per terms and conditions laid down in this document are liable to be ignored. No offer shall be considered if:
    - Received without earnest money;
    - It is received after the date and time fixed for its receipt;
    - The tender document and the bid are unsigned;
    - The offer is ambiguous;
    - The offer is conditional i.e. advance payment, or currency fluctuations etc.;

- The offer is from blacklisted firm in any Federal / Provincial Govt. Deptt:
- Hand written bids shall NOT be accepted; it must be typed.
- The Firm must quote C&F and FOR rates.

12. Usage of correction fluid & corrections are strictly prohibited unless duly initiated.
13. Any erasing / cutting etc. appearing on the offer, must be properly signed by the person signing the tender.
14. Bids will be rejected if the Bid is in some way connected with bids submitted under names different from his own.
15. In case of Bid Tie, the decision will be taken by making Post Qualification.
16. Any direct or indirect effort by a bidding firm to influence this institution during the process of selection of a bidder or award of contract may besides rejection of its bid result into its disqualification from participation in the BKMC Swabi future bids.
17. All the bidders are informing that no additional documents will be entertain after tender opening.

2. ELIGIBILITY CRITERIA:

- Bidders must give compliance to the below mentioned clauses as these are mandatory to being eligible for the bidding process. Relevant certificates must be attached.
- Manufacturers/ Importers/Authorized Dealers for procurement of quoted Equipment.
- The bidder must be registered with Income / Sales Tax Department, reflected as Active Tax Payer on the list of FBR.NTN/KNTN and KPK Professional tax
- In case of the Importers/Authorized Dealers, the firm will ensure that the items are acquired from the original manufacturer and are procured through proper channel as advised by the original manufacturer.
- The bidder shall provide an undertaking that the bidder has not been declared black listed by any Governmental/ Semi-Governmental institutions.
- Bidders shall not be eligible to bid if they are under a declaration of Ineligibility for corrupt and fraudulent practices issued by any government organization in accordance with the Section 44(1) KPPRA Rules 2014.

3. GENERAL CONDITIONS: -

- BKMC Swabi shall evaluate the proposal in a manner prescribed in advance, without reference to the price and reject any proposal which does not conform to the specified requirements.
- Alternative bid shall not be considered and shall be rejected by the Competent Authority.
- BKMC Swabi may increase or decrease the quantity of the items required, as per KPPRA rules.
- At any time prior to the deadline for submission of bids, BKMC Swabi may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the bidding documents by amendment.
- If a bid is not substantially responsive, it will be rejected by the Procuring Entity and may not subsequently be made responsive by the Bidder by correction of the nonconformity.
- MTI / BKMC Swabi may accept or reject any or all of the bids under Rule 47 of KPPRA Rules, 2014.
- The firm will provide the country of Origin certificate.

4. INVITATION FOR BIDS

Hospital Director, Medical Teaching Institute, **Bacha khan medical Complex Swabi** invites sealed tenders under National Competitive Bidding for the procurement of Blood Bank & Microbiology Equipment, under rule 6(2)(b) ***"single stage two envelope procedure"*** of KPPRA Rules 2014, from Manufacturers / Importers / Authorized Dealers registered with the Income / Sales tax, reflected on Active Taxpayer List of FBR.

The bidders are required to submit bid security @ 2% of the quoted price in the name of Hospital Director BKMC Swabi. An affidavit is required, without indicating the figure in the technical bid that bid security is placed in the financial bid.

The tenders complete in all respect must reach the undersigned by 11:00 hrs on __-__-2022, which will be opened at 11:30 hrs on the same day in office of the Hospital Director BKMC Swabi in the presence of the procurement committee and the bidders / representatives who may choose to attend.

Competent Authority reserves the right to reject any or all the bids as per provisions contained in Rule 47 of KPPRA Rules 2014.

5. BID Security

Bid security @ 02% of the quoted value in favor of "Hospital Director BKMC" should be kept sealed in the financial proposal. An affidavit is required without indicating the figure in the technical bid that bid security is placed in the Technical proposal.

Bid security of the successful bidder will be released after submission of 10% Performance Guarantee.

The bid security may be forfeited:

i) If a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form; or
ii) In the case of a successful Bidder, if the Bidder fails to sign the contract or to furnish performance Guarantee.

6. BID VALIDITY:

i) The bids should be valid for a period of 180 working Days from the date of opening.

ii) In exceptional circumstances, Bacha khan Medical Complex Swabi may solicit the Bidder's consent to an extension of the period of validity reasons shell be recorded in writing. The request and the responses there to shall be made in writing. The bid security provided shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid, except as provided in the bidding document.

7. Statement of Requirement Equipment

MICROBIOLOGY EQUIPMENT		
S #	Equipment Name	Qty Required
1	Autoclave	1
2	Automated Blood culture System	1
3	Analytic balance	1
4	Bunsen burner	1
5	Colony Counter	1
6	Deep Freeze	1
7	Hot air oven	1
8	Incubator	2
9	Laminar Air Flow/ Laminar Hood	2
10	Vortex Mixture/ Vortexer	1
11	Water Bath	1
12	Water Distiller	1
13	Low temperature incubator	1
14	Microscopes	2
15	Anaerobic jar+Co2 jar	2
16	Refrigerator	2
EQUIPMENT FOR BLOOD BANK & THALASSEMIA CENTER AT THE CHOTA LAHOR HOSPITAL		
1	Platelets agitator with incubators	2
2	Plasma thawing bath	2
3	Portable blood drawing chair	2
4	Blood collection monitor	4
5	Automatic Donor Chair	30
6	Gel Card Cross Match System	1
7	NAT PCR for Donor Screening	1
8	Microscope	2
9	Cryobath	1
10	Tube Sealer	3
11	Cell Separator Machine	1
12	Donor TTI (Screening) Machine	1
13	Blood Shaker	4
14	Deep Freezer -80	2
15	Digital Weight Balance	3
16	Blood Bank Refrigerator	2
17	HB Electrophoresis Machine	2
18	Serofuge (Refrigerator centrifuge)	2
19	Plasma Extractor / Separator	1

8. Specifications

A). MICROBIOLOGY EQUIPMENT

NOTE: UPS and stabilizer should be provided with the required equipment.
Per test cost of all closed systems should be provided.

1) DEEP FREZEER specification:

TECHNICAL DATA	Type
Cabinet Type	Vertical
Cooling Type	Direct cooling
Defrost Mode	Manual
Refrigerant	Hydrocarbon, Mixing
Cooling performance (℃)	-80
Temperature Range (℃)	-40～-86
Capacity(L)	280L
Interior Dimensions(W*D*H)	460x470x1310mm
Exterior Dimensions(W*D*H)	640x692X1970mm
Racks & Boxes	Optional

2) Analytical Balance Specification:

TECHNICAL SPECIFICATION	• Readability: 0.001g
	• Max. Capacity: 200g; 300g; 500g; 600g; 1000g; 1200g
	• External Calibration
	• Tare Function/Counting
	• Overload Alarm
	• Readability: 0.001g
	• Max. Capacity: 200g; 300g; 500g; 600g; 1000g; 1200g

3) Hot Air Owen Specification:

TECHNICAL	• Natural convection	Remarks
	• Max temp: 300 °C	~~**Manufacture form Memet / Binder** (deleted)~~

SPECIFICATION	• Min temp: Ambient +30°C	
	• Volume: 120 to 215 litres	

4) Bunsen burner Specification:

TECHNICAL DATA	Type
Material	Stainless Steel
BTU Output	1200 Per Hour
Inlet Tube OD	0.4375 Inches
Height	4 - 6 Inches

5) Vortex Mixer Specification:

TECHNICAL SPECIFICATION	
	230 V AC, Schuko plug
	feature
	speed 0 - 3400 rpm
	packaging
	L × W × H
	Size 14 cm × 16 cm × 13 cm
	weight
	Weight 2 - 3 kg

6) Distillation Plants Specification:

TYPE	TECHNICAL DATA
Capacity	5 L/hr
Water consumption	1:10
Configuration	Automated control
Water type	Regular water
Power	220 V ; 2.5 kW Single phase
Dimensions	365 × 368 × 845 mm
Weight	9 kgs

7) Coloney Counter Specification:

Lighting	Matrix LED (White light)
Digital display	3 digits
Counting range	0-999(0-9999)
Compatible petri dish	50-150mm
Input power	40W
Input voltage	AC100`240V (50/60Hz)
Magnification	3-9 Times
Protective class	IP21
Permissible relative moisture	80%
Permissible ambient temp.	5~50℃
Dimensions	360×300×180mm
Net.Weight	4.0Kg
Lighting	Matrix LED (White light)

8) Low temperature incubator Specification:

TYPES	TECHNICAL DATA
Temperature Range	• Wide temperature ranges from -10ºC to +60ºC with excellent uniformity
Temperature Accuracy	• Precise Temperature Control for Accurate, Repeatable Conditions
Operation	• Energy Saving Operation
System	• Ultimate Secure, Comprehensive Alarm System
Design	• Modern Design for Exceptional Usability
Size	• 20 - 50 liters
LCD	• Intelligent LCD Controller
Device	• Independent Over-temperature Protection Device
Memory	• Programmed Memory Back-up Mechanism
Alarm	• Automatic Return Buzzer Switch

9) Microscope Specification:

Types	TECHNICAL DATA
MODEL	~~**CX23 Olympus (Japan) Manufacture**~~ **(deleted)**
Optical System	Infinity optical system
Body	Aluminum die-casting metal frame, Protective covering
Illumination System	Built-in transmitted illumination system, LED Power Consumption 0.5 W (nominal values)
Focusing	Stage height movement (coarse movement stroke: 15 mm), coarse adjustment limit stopper, Torque adjustment for coarse adjustment knob, Fine focus knob (minimum adjustment gradations: 2.5 µm)
Revolving Nosepiece	Fixed quadruple nosepiece
Stage	Wire movement mechanical fixed stage Traveling range: 76 mm (X) x 30 mm (Y), Specimen holder, Specimen position scale
Observation Tube	30° inclined binocular tube Interpupillary distance adjustment range: 48 – 75 mm, Eyepoint adjustment: 370.0 – 432.9 mm
Optical System	Infinity optical system
Body	Aluminum die-casting metal frame, Protective covering
Illumination System	Built-in transmitted illumination system, LED Power Consumption 0.5 W (nominal values)
Focusing	Stage height movement (coarse movement stroke: 15 mm), coarse adjustment limit stopper, Torque adjustment for coarse adjustment knob, Fine focus knob (minimum adjustment gradations: 2.5 µm)
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10) Anaerobic jar+Co2 jar Specification:

Type	Technical Data
Size	8*5-inch (20*12.5 cm) jar
Martial	stout glass or metal with a tight-fitting metal lid.
Outlet	vacuum valve
Electric supply	Two terminals

11) Refrigerator Specification:

SPECIFICATION	**PRLP 2000**
Total	**168 Liters**
INTERNAL CAPACITY	
Freezer	**59 Liters**
Refrigerator	**109 Liters**
PERFORMANCE	
Voltage/Frequency	**220/50 Volts/Hz**
Power Consumption	**115 Watt**
Current Consumption	**0.85 Ampere**
Climate Class	**Tropical**
GENERAL FEATURES	
Freezer	**Manual**
Refrigerator	**Manual**
Temperature Control (Adjustable)	**Mechanical**
Crispo Tray	**Yes**
Refrigerant	**R-134a**
Evaporator	**D.Roll Bond**

Interior Light*	**Conventional**
Condenser (Ins.)	**Copper**
DIMENSIONS	
Height	**1340 mm**
Width	**580 mm**
Depth	**620 mm**
WEIGHT	
Net Weight	**39 kg**
Gross Weight	**44 kg**

12) Automated blood culture system.

SPECIFICATIONS Deleted

-	~~Single instrument~~	~~Stack~~
~~Height~~	~~8 8.9 cm (35 in)~~	~~190.5 cm (75 in)~~
~~Width~~	~~6 3.5 cm (25 in)~~	~~63.5 cm (25 in)~~
~~Depth~~	~~86.4 cm (34.0 in)~~	~~86.4 cm (34.0 in)~~
~~Clearance (rear, left, right)~~	~~1.3 cm, 0 cm, 0 cm~~	~~1.3 cm, 0 cm, 0 cm~~
~~Clearance (front)~~	~~68.6 cm (27.0 in)~~	~~68.6 cm (27.0 in)~~
~~Weight (empty)~~	~~187.5 kg (413.4 lb)~~	~~384.8 kg (848.4 lb)~~
~~Weight (full)~~	~~220.4 kg (485.9 lb)~~	~~451 kg (994.2 lb)~~
~~Stand weight~~	~~63.5 kg (140 lb)~~	~~N/A~~
~~Counterweights (countertop, unanchored)~~	~~47.6 kg (105 lb)~~	~~N/A~~
~~Vial capacity~~	~~200~~	~~400~~

NEW SPECIFICATIONS

1. *Capacity: 32 culture bottles*
2. *Equipped with built-in computer and touch screen*
3. *Barcode scanning input.*
4. *Calorimetric Technology.*
5. *Designed to detect microbial growth from blood specimens or sterile body fluids.*
6. *Automated Continuous monitoring for every 10 minutes for each bottle by independent detect on sensor.*
7. *Real- me display of incubation temperature and reaction chart.*

8. *Flexible and quick historical data query and statistics functions.*

13) Specifications for autoclave

Overall External Dimensions WxLxH(mm)	508x362x550
Chamber Dimensions Ø x L	254x476
Autoclave Weight (Kg.)	38
Chamber Volume	23 Liter
Cold Cycle Time	16 min.
Hot Cycle Time	12 min.
Number of Trays	4
Standard Cassettes Capacity	3 full / 3 half
Tray Dimensions WxHxD(mm)	168x20x414
Voltage (V) & Frequency (Hz)	230V & (50/60 Hz)
Power (W) & Current (A)	10A & 2200W

14) INCUBATOR SPECIFICATIONS

PECIFICATIONS	IC80	IC150	IC320	IC500	IC850
Temperature Controller	PID microprocessor temperature controller, temperature set by control keypad to 0.1°C, digital LED				
Temperature Range	+5°C above ambient to 80°C		+8°C above ambient to 80°C		
Temperature Accuracy	±0.1°C				
Temperature Uniformity	±0.5°C at 37°C				±1.0°C at 37°C
Circulation	Forced air				
Window	Glass window eliminates need to open door for observation.				
Shelves Included/Max	2/10	2/13	3/23	4/23	6/40
Probe Access Port	One				
Over-Temperature Protection	Independent thermostat provides over-temperature protection				
Chamber Dimensions (WxDxH)	19.7" x 15.7" x 15.7" (50 x 40 x 40) cm	23.6" x 19.7" x 19.7" (60 x 50 x 50) cm	23.6" x 19.7" x 42.1" (60 x 50 x 107) cm	26.8" x 22.8" x 55.1" (68 x 58 x 140) cm	33.5" x 33.5" x 55.1" (85 x 85 x 140) cm
Chamber Volume	2.8 cu. ft. (80 liters)	5.3 cu. ft. (150 liters)	11.3 cu. ft. (320 liters)	19.4 cu. ft. (550 liters)	30.0 cu. ft. (850 liters)
Overall Dimensions (W x D x H)	23.6" x 20.1" x 28.4" (60 x 51 x 72) cm	27.6" x 24.0" x 32.3" (70 x 61 x 82) cm	26.8” x 29.1 x 53.2” (68 x 74 x 135) cm	29.9" x 32.3" x 73.2" (76 x 82 x 186) cm	36.6" x 41.7" x 66.2" (93 x 106 x 168) cm
Power Requirements	120VAC, 50/60Hz, single phase (220V				
Shipping Weight	134 lb (61 kg)	170 lb (77 kg)	320 lb (145 kg)	400 lbs (205 kg)	550 lbs (250 kg)

15) WATER BATH SPECIFICATIONS

Temperature Range	5°C above ambient to 250°C maximum
Temperature Accuracy	+ / - 2°C
Temperature Uniformity	+ / - 1°C
Controls	PID Controller
Temp Display	LED Display
Sensor	PT-100
Heating Element	Nichrome wire / Kanthal A1
Safety device	Over temperature protection Electric leakage breaker Temperature safety as per DIN 12880 Class 3.1
Exterior Chamber	MS powder coated
Interior Chamber	304 stainless steel
Insulation	Mineral Wool
Doors	Solid doors w/ silicone rubber gasket & lock
Shelves	2 – 3 Stainless steel shelves (Removable)
Air Circulation	Forced air circulation
Power Supply	220 Volts
Optional	-DoT Matrix Printer interface -Temperature chart recorder -PLC Controller -Stainless steel outer cabinet -Audio / visual alarm -IQ, OQ, PQ and DQ documentation -Extra shelves -Heating Thermostat -NABL Certification - Manufacturer calibration certificate

16) Laminar flow hood

Laminar Cabinets Inner Chamber & Outer Chamber made of stainless-steel high efficiency particular air filters, to achieve the air purification up to 0.3 Microns in Working area.

Working area 4 ft x 2 ft x 2 ft Blower fitted with ¼ HP Motor, with RPM 1200 to 1400.

Pre-filters made of high-grade nylon Net fixed in S.S. frame for first Stage air purification, through blower system. Closed Inner Chamber fitted with HEPA having very accurate performance rate of air filtration, rated 99.99%, resulting in ceasing all air bore molecule of particle up to 0.3 micron in working Area of Laminar Bench.

Working area of Laminar Airflow Cabinets illuminated by fluorescent light; cabinets operated at 230V. Single Phase 50Hz. AC Supply.

Fitted with UV Germicidal lamp for sterilization. Fitted with Acrylic Front Door sliding type Fitted with Manometer for measurement of HEPA Filters Choking system. Fitted with Cock for Gas Connection.

B). BLOOD BANK EQUIPMENT

NOTE: UPS and stabilizer should be provided with the required equipment.
Per test cost of all closed systems should be provided.

Blood Bank Equipment Technical Specifications

1) PLATELET AGITATOR WITH INCUBATOR

Base Material	Galvannealed Steel with Bacteria-Resistant Powder Coating
Dimensions (w x h x d)	18" x 15.25" x 14.5" 458mm x 388mm x 369mm
Maximum Storage Capacity	48 Random Bags 16 Apheresis Bags
Shelf	1 Stationary / Galvannealed Steel - perforated and powder coated
Drawers	7 Pull-out/removable / Galvannealed Steel - perforated and powder coated
~~Incubator Compatibility~~	~~PC900i / PC900h~~ Deleted
Motion Alarm	Yes
Electrical	100V 50/60Hz 0.4 FLA 115V 50/60Hz 0.4 FLA 230V 50/60Hz 0.2 FLA

 Center Integrated Monitoring System with:

- Advanced monitoring of temperature, agitator motion, and door openings
- Password protection
- Automatic alarm testing at the touch of a button
- Adjustable alarm volume and tone
- Event logs
- LCD temperature graph with 24 continuous hours of data
- Bacteria-resistant powder coating
- Electric condensate evaporator
- Forced-air circulation
- Single-pane, tempered glass door
- Key lock
- Compatible with PF48i platelet agitator
- Stores 48 to 60 random bags or 16 apheresis bags
- Built-in motion alarm with adjustable volume and delay.
- An alarm sounds when the side-to-side motion is not detected.

When placed in an i.Series incubator, the agitator can be monitored by the i.Center® with the Agitrak™ system.

- Single fan for forced air cooling.
- Pull-out drawers for easy access to platelets
- Drawers are removable to create additional space
- Label holders provided for each agitator drawer. They accommodate magnetic or adhesive labels.
- Compatible with PC900i or PC900h platelet incubator

2) Blood Collection Mixer and Monitor with Tuber seller

Specification

Collected volume	0-999ml, with 1ml step
Total weight display	0-999 gram, with 1gram step
Elapsed time display	0-19 minute 59 second
Target volume set	
Range	0-995ml, with 5ml step
Set method	Up, Down, and Preset buttons
Preset figures	350, 400, 450, 500ml(may vary upon request)
Default figure	450ml(may vary upon request)
Alarm	low battery, low flow(30ml/min), tray off, long collection
Tray rocking	36cycle/min, ±12.5°
Accuracy	Collected volume : -0`-~+3ml, total weight : -0~+3gram
Control	Power, Start, End, Time, Clamp, Preset, UP, Down
indication panel	LCD display
Power source	Battery pack or AC power adapter

AC power adapter	100~120/220~240 VAC, 18 VDC/1 Amp out
Battery pack	Ni-Cd, 12VDC/2AH
Battery charging	built-in charger and separate charger unit
Battery consumption	2W
Dimension	203 x 140 x 290(W x H x D)mm
Weight	3.2kg(7.0lb)
Temperature operating	0-40°C(32-104°F)
Temperature storage	-20-40°C(-4-158°F)

Features

- Automatically clamps blood bag tubing when collected blood volume reaches preset volume.
- Preset volume is user-selectable.
- Rocks to mix collected blood with anticoagulant in the blood bag.
- LCD panel displays collected blood volume, preset volume to collect, total weight of Collected blood and blood bags, elapsed time of donation and alarm symbols.
- Audible and visual alarm signals at the end of collection, at abnormal blood flow and at low battery condition.
- Large tray. Up to quadruple blood bags can be used.
- Automatically tares weight of blood bags to measure net volume of collected blood.
- Clamping module is detachable, so can be mounted either left side or right side.
- Fully portable with a rechargeable and replaceable battery pack.
- Both built-in charger and a separate charger unit included.
- Canvas carrying bag included.
- Lightweight, battery operation, carrying bag - a convenient machine for mobile units.

3) Blood Bank Refrigerator

Specification

Temperature Range	+2 / +15 °C
Capacity	527 lt (18,62 cu ft)
External Dimensions (W x D x H)	cm 72 x 76,5 x 208
Structure and Insulation	sanitized pre-coated steel with bacteriostatic activity, white colour- in/out (rust-corrosion-proof material), or stainless steel 18/10 AISI 304 inside and sanitized pre-coated steel white colour- outside; insulation polyurethane thickness 70 mm in the back, 50 in the sides
Door	Nr 1 glass door with triple glass panels
Rollers	rollers
Light	Led type with adjustable brightness
Suggested internal fittings	nr.4 shelves
Controller	ECT-F TOUCH
Alarms	Acoustic and Visual for temperature deviations and failures, with automatic recording
Safety Thermostat	
Data and Event recording	10 years on SD card; last year on Flash-memory
Temperature Graph	A customizable real time graphic always visible from the home page.
Connectivity	USB-SD-SIM port with frontal access ; Dry Contact; Serial ports RS485 and RJ45
Refrigeration Type	Forced-air, ventilated
Defrost	Automatic with automatic evaporation of the condensate water

4) TUBE SEALER, SPECIFICATION

(1) Sealing time: 1 - 2 second

(2) Tubing diameter: 2 - 6 mm (1/4")

(3) Indication lamp: READY/SEAL

(4) Operating frequency: 40.68 MHz

(5) Power source: 100-120/220-240 VAC

(6) Power consumption: operating - 250 W, standby - 10 W

(7) Dimension: W 175 x H 150 x D 300 mm (W 6.9" x H 5.9" x D 11.8)

(8) Weight: 6.0 Kg (13.3 lb)

(9) Temperature - operation: 0 - 40 o C (32 - 104 o F) storage: -20 - 70 o C (-4 - 158 o

5) Serofuge / Cryofuge (Refrigerator centrifuge)

- Power consumption [W] 2,000
- Maximum capacity [ml] 8 Buckets
- Maximum speed [rpm] 15,000
- Minimum speed [rpm] 100
- Height x width x depth [mm] 485 x 790 x 711
- Height with open lid [mm] 990
- RFI suppression EN 61326
- Weight without rotor [kg] 158
- Maximum kinetic energy [Nm] 154,007
- Noise level at maximum speed (approximate) Rotor 12600 [dB (A)] 63
- Noise level at maximum speed (approximate) Rotor 11650 + 13650 [dB (A) 63 Maximum acceleration, rotors 11650 + 13650 [s]522)
- Maximum acceleration, rotor 12600 1684)
- Temperature adjustment range [°C] -20 – +40

6) Electric Donor Chairs

Technical Specification

Should be remote control function and built in remote as well

Overall size	1980*550*580mm
Back section adjustment	0~ 70°
Leg section adjustment	20 ° -90 °
Armrest swing out	0 °-180°
Armrest height adjustment	100mm
Armrest size	480*160mm
Loading capacity	180kg

7) Weight Balance Machine

Material	Tempered Glass
Item Weight	1.5 Pounds
Weight Limit	11 Pounds
Item Dimensions LxWxH	8.62 x 6.26 x 0.98 inches

8) HB Electrophoresis

- Confidently report accurate HbA1c results in the presence of HbAS, HbAC, HbAD, HbAE and elevated HbF
- Streamline your operational efficiency by testing for pre-diabetes and diabetes on a single platform
- Monitor patients living with diabetes to see how well their treatment plan is working
- Physicians can make treatment decisions using a HPLC / Cappillary "Gold Standard" method free from variant and drug interference

Features and benefits

Powerful Variant Detection[1]	• Non-separation methods may provide inaccurate results when a patient has a hemoglobin variant • Get accurate HbA1c results in the presence of HbAS, HbAC, HbAD, HbAE and elevated HbF using ion-exchange HPLC • See the difference: numerical results and chromatograms so that you can understand full patient profiles
Cost efficient	• Some methods require hours of maintenance, extra wash steps and additional QC runs • Designed to reduce technician time and costs with minimal maintenance and efficient QC • Completing multiple tests in fewer steps supports more than just your workflow, it's a big part of delivering timely, effective care
Easy to use	• Some methods require assay parameters to be entered manually resulting in transcription errors • Save time and eliminate transcription errors by uploading test parameters and lot information via media device - no manual entry required • Simplify technician work tasks with simple touchscreen user interface and onboard computer

Dimensions (W x H x D)	15.8 in x 19.5 in x 21 in / 402 mm x 495 mm x 534 mm
Weight (uncrated)	75 lbs / 34 kg
Operating altitude (maximum)	6,652 ft. / 2000 m
Operating temperature	15-30° C
Operating humidity	20-80% relative humidity, non-condensing
Overvoltage category	II
Pollution degree	2
Electrical supply voltage fluctuation	10% max

Ambient temperature	0-50° C
Storage humidity	10-95%
Power input requirements	100-240 V ~ at 50-60 Hz
Power consumption	220 VA max
Thermal power	1010 BTU/h max
Fuses	T 2.5 A/250 V (2 fuses)
Sound level	<70 dBA
Sample requirements	Refer to specific kit Instructions For Use
Sample throughput	Refer to specific kit Instructions For Use
Analytical device	Cartridge: Application dependent
Detector	Visible wavelength detector
Printer	Graphic thermal, 112 mm (4.4 in) wide
CD-ROM drive	
User interface	Integrated LCD touchscreen
Data export	USB flash drive, RS232 or LAN
Ethernet/LAN connection	RJ-45
Waste tank volume	10 L

9) DONOR TTI Screening Machine

- The analyzer must be based on Chemiluminscence technology offering longer reagents stability,
- enhanced assay sensitivity, specificity and extended linearity.
- Throughput of up to 100 Immunoassay tests per hour.
- Reagents load up capacity of minimum 25 reagents at a time, with on-board refrigeration.
- Sample type should be Serum, Plasma or Whole Blood with sample loading capacity of up to 65 samples.
- The analyzer must have an efficient sample handler for Continuous Random & STAT sample loading.
- Analyzer must have the capacity of Loading and unloading of reagents any time even during running.
- Should be capable of handling multiple tube types and sizes at the same time.
- The analyzer must offer extended reagent on board stability and calibration curve validity of minimum 30 days each.
- The system should provide the capability of tracking reagents on-board stability in hours for efficient
- reagent management to avoid wastage in slow running parameters.
- All reagents, calibrators and controls must be liquid ready to use.
- Automated management of retest, reflex and dilution testing without operator intervention.
- The System should offer a broad Immunoassay Menu including Complete Viral Profile including a
- utomated Syphilis TP, HTLV & Chagas assays for Blood screening.
- The vendor should have proven track record in Blood Transfusion & Infectious disease testing globally.
- System should offer the "Remote Diagnostics" facility for proactive monitoring to avoid frequent system break down.
- The vendor should be able to offer larger foot print with same reagents, same technology, identical system software
- and commutable results, to be able to enable smooth transformation when the volume grows.
- The analyzer should have the capability of Reagent pressure monitoring.
- Analyzer should have integratable capability.

10) Plasma Thawing Bath

Technical Specifications

- Microprocessor temperature controller with audible and visual high temperature alarm
- LED monitor to display the working status of thawing bath
- Thawing Capacity: 12 regular plasma filled bags
- Temperature Setting: 36-56 C
- Timer setting Range: 0-4 hrs
- Chamber Material: Stainless Steel
- Baskets: Stainless Steel
- Cycles can be interrupted to check units or add additional bags
- Bacteria Resistant Powder Coated exterior

11) Blood Drawing Chair

Technical Specifications

- The appearance is made of high-strength fiber material and poly-layer paint, artistic, modern, durable and easy to clean.
- Mattress is made of high-quality medical polyurethane foam molding, easy to clean and maintain, anti-static, antifouling.
- Chair dimensions: 1900mm (curve length) *580(width) Approx.
- Height: 500mm approx.
- Back section lift: 20º-75º or better
- Leg section turn: 20º-70º or better
- Arm board swing out angle: 0º-45º or better
- Arm board slide:100mm approx.
- Arm board dimension: 450*160mm approx.
- Table top size: 400*280mm approx.
- Soft pad: 1 set
- Arm board: 1 pair
- table top and frame: each 1 pc
- Water cup splint: 1pc

12) CRYOBATH

Technical Specifications

- For uniform thawing of plasma bags at preset temperature of 4° C ± 0.2° C
- Construction: For uniform thawing of plasma bags at present temperature of 4° C ± 0.2°
- High capacity pumps to facilitate optimum and uniform thawing of plasma.
- System to prevent contamination of individual ports during thawing.
- Microprocessor based digital controller to precise monitoring and controlling of temperatures at 4° C ± 0.2° C.
- Stainless Steel (SS 304) tank of 22 gauge and stainless-steel lid of at least 20 gauge.
- Drain line with shut off valve.
- Mounted on lockable castor wheels Temperature sensing method: Sealed sensor dipped directly in water.
- Power Consumption: Maximum 1600 W or better
- Operating Temperature: 2° C to 6° C.
- Programmable Tem. Range: 2° C to 50° C.
- Time Taken: Time taken for one process should not be more than 2 hours for plasma bags store at -40° C.
- Tray: Stainless steel (SS 304) removable tray of individual compartments for holding plasma bags.
- Capacity: 10-20 bags per run or per one cycle.
- Noise (In dBA): Noise factor should not exceed 60 dB

13) Blood Separator Machine / Cell Separator Machine

Technical Specifications

- Fully automated microprocessor controlled continuous flow Cell Separator with user friendly touch screen operation.
- Should be a donor & operator friendly unit.
- Should have single arm procedure for all protocols.
- Mobile, easily transportable to patient site for therapeutic uses.
- It should operate on battery backup (UPS) and should also operate at least two hours on a commercially available one KVA UPS.
- It should have a high yield leuco-depleted platelet collection from a single donor with minimal plasma and should have capability of collecting 3x1011 or more platelets from a single donor within 60 minutes using a single arm / double arm procedure.
- On entering the patient data and procedure characteristic, system automatically set run parameters with predicted run results and should decide yield based on the post HCT, Platelet count and percentage of blood volume to be depleted from donor.
- It should collect platelet in a pre-suspended form.
- It should have self-loading pumps to simplify and speed up apheresis kit installation.
- It should allow collection of up- to two units of leucodepleted RBC concentrated, Both Autologous and Homologous Red Blood Cells and Leuco-depleted platelets.

14) Blood Shaker Machine

Technical Specifications

- Type of mixing: Orbital 3D with programmable motion, pauses and rotation inversion
- Display: 3 inch or better
- Weighing range: 10-990 mL or better
- Accuracy: ±1%
- Battery backup: 70 collections of blood bags
- Data configuration: Based on volume (mL) or weight (g)
- Data storage: Up to 1000 collection procedures can be stored in internal memory
- Connection capabilities: 2 RS485 ports; 1 Ethernet port; 1 USB port; 1 RS232 port (barcode reader), Wi-Fi 802.11 b/n/g

15) Deep Freezer -86 Degree Celsius, Capacity: 350 L or more

Technical Specifications

- Microprocessor-controlled system designed for controllable range of -40°C to -80°C for cabinet space with 1°C increment.
- Large LED display for cabinet temperature, set temperature, ambient temperature, and input voltage.
- Settable high temperature and low temperature alarms
- Adjustable storage shelf height
- Four independent inner doors and four layer sealing structure, having good heat insulation to reduce energy consumption
- 4 individual inner doors can be opened independently to minimize frost buildup inside the chamber.
- Stainless Steel handle to ensure the door open conveniently even in the case of frost.
- Malfunction alarms including high and low temperature, power failure, sensor error, clean -filter, and extremely high ambient
- Door open period exceed setting time
- The setting time adjustable within 0 to 20 minutes
- Low Noise
- Innovative refrigeration cabin design reduces operational noise
- All the consumables and accessories must be quoted optional.

16) Microscope

Configuration:

13613215DM 500 Rt. Hnd. Stage Std Stand w/condense

1361352245 degree Trinocular Tube

1361353010X/20 eyepiece w/eye guard

13613532 10X/20 focusing eyepiece w/eye guard 13613240 Plan 4X/0.10NA, 26.2mmW.D.

13613241 Plan 10X/0.22 NA, 7.8mm W.D.

13613242 Plan 40X/0.65 NA, 0.31MM W.D.

13613243 Plan 100x/1.25 NA, 0.10MM W.D., Oil

13614800Immersion oil, 7,4 ml

13613901Europe Continental power cord

12730519Leica EC4 Digital Camera & SW Kit

13613584 Dust Cover DM500 / DM750

17) Gel Card Cross Match System

Fully automated, walk-away system for ID-Cards with high throughput, continuous sample and reagent loading. It is a stand-alone, easy to use instrument with a volume capacity of 180 samples,

- 240 ID-Cards, and 28 reagent vials.
- Some of its features include:
- Stand-alone instrument
- Priority samples (STAT)
- Reagent stock
- Optimized for small blood volumes
- Dispense verification
- Full test menu
- Wi-Fi
- Touch screen 17 inch
- Host Connectivity
- Internal & External validation

- Dimensions (w/h/d): 173cm / 170 cm / 83 cm
- Weight: 540 kg
- Power requirements: 100-240 VAC / 50-60 Hz
- Blood Grouping ABO/D, Phenotyping Rh/K, Antibody screening, Direct AHG Test(DAT), Antibody titration, Reverse grouping, crossmatching, Antibody identification, Single antigen testing.

18) NAT PCR

- Real time detection and identification of HIV, HCV and HBV
- Covers 5 critical viral targets in a single test (HIV-1 group M, HIV-1 group O, HIV-2, HCV and HBV)
- Dual target approach with amplification of separate regions of HIV-1
- Dual probes for HCV to improve coverage of new virus variants
- Highly sensitive HBV detection of occult and low titer HBV infection

- Eliminates the need for discriminatory testing and potential for discrepant results
- Ready to use reagents – not thawing, pouring or mixing required
- Stabilized real time PCR reagents do not require calibration
- Full process internal control helps ensure result integrity
- True external positive controls that have no effect on result calculation, with control kit.
- Can be run simultaneously with other assays on the systems

Advanced diagnostic technology for donor screening
The test enables donor screening laboratories to reliably test for 3 viruses and 5 critical viral targets with a single assay, boosting operational efficiency by eliminating the need for additional discriminatory testing.

19) PLASMA SEPARATOR/Extractor

.) Clamp closing speed : in about 1 second from sensing
2) Control : POWER, OPEN, CLOSE, START, SENSITIVITY
3) Indication lamp : POWER, CLOSE, START
4) Sensor type : infra-red beam interruption sensor
5) Clamping power source : geared motor
6) Power source : AC power adapter (100-120/220-240 VAC, 18 VDC out)
7) Power consumption : 10 W
8) Dimension : W 240 x H 230 x D 165 mm (W 9.5" x H 9.1" x D 6.5")
9) Weight : 3.2 Kg (7.1 lb)
10) Temperature - operation : 0 - 40 °C (32 - 104 °F) storage :-20 - 70 °C (-4 - 158 °F)

9. SPECIAL CONDITIONS OF THE CONTRACT: -

- The items offered must have at least 5 years' warranty with parts.
- If any of the given specifications/parameters does not meet the required specifications, their offer will not be considered and shall summarily be rejected by MTI / BKMC Swabi
- Successful Bidder will have to furnish a performance guarantee up to 10% of the contract value in shape of CDR / Demand Draft or Bank Guarantee in favor of the "Hospital Director BKMC Swabi.
- In case of a successful bidder, who repudiates the contract or fails to furnish performance guarantee and as the case may be shall proceed for blacklisting and the work order will be placed to the Next Successful Bidder or from the alternative sources at the cost/risk of the concerned firm.
- At the time of contract signing, the successful firm will have to provide a certificate of 10 (ten) Years parts easy availability in market.
- All bidders shall comply with code of ethics formulated by KPPRA.
- The supply shall be authenticated by quality assurance department of BKMC and end user/Inspection committee

10.Evaluation Criteria for Procurement of Equipment:

Total Marks (Technical Criteria + Financial Criteria): TM: 70 + 30 =100

No chance will be provided for re-submission of secondary documentation. The bidders must carefully read the instructions; Non-compliance to the stated instruction may lead to their technical disqualification.

(Technical Evaluation Marks: 70)

S #	Parameters	Sub-parameters	Total Marks: 45
	Product Evaluation		
	Conformance Specifications		
1	**Compliance to Purchaser's Specifications**		**28**
		Fully compliance with the required specifications as per statement of Requirement (Up to a maximum of four Minor deviations may be accommodated subject to the condition that main function and performance of the equipment in any aspect would not be adversely affected, however, two marks will be deducted for each deviation, maximum 8 marks).	
	Special features		**2**
		Any special features/functionalities which may enhance the intended performance of the equipment	2
3	**Product Certification**		**9**
	FDA	• US Food and Drug Administration (FDA) 510K	3
	CE(MDD)	• European Community (CE) MDD	3
	JIS /MHLW	• Japan Industrial Standard (JIS) / MHLW	3
	Out of Three above certificate at least one is mandatory		
	Performance Specifications		
4	**Product's Global Performance Certificates**		**03**
		• Valid ISO 9001 Quality Management Certificate • Valid ISO 13485 Quality management certificate • Certificate of Origin of Equipment	1 1 1
5	**Product's Local Performance**		**09**

		One Satisfactory Performance Certificate for each quoted equipment from the medical institutions within Pakistan (Supply order /Purchase order will not be considered as a per performance certificate) Each carry one mark. Must be on the Institution letter head	4
		One mark for each satisfactory performance certificate for at least the previous provided model of equipment from the medical institution of Pakistan (Supply order /Purchase order will not be considered as a per performance certificate) Each carry one mark. Must be on the end users letter head	5
	Firm Evaluation		**Total Marks: 25**
6	**Legal Requirement**		**5**
		Manufacturer Authorization Certificate, from manufacturer duly attested by Pakistan High Commission/Embassy	Mandatory
		Satisfactory performance certificate(s) of the firms **Experience above 5 years** issued by well reputable organizations/BKMC (max two certificates)	2
		Most Recent Audit Report duly signed and stamped by both the Chartered Accountant and company director(s)	1
		Most recent Sales Tax Return from FBR	1
		IT-1 or IT-2 Form showing net annual sales	1
7	**Technical Staff**		**4**
	Experience relevant to the quoted equipment. Most recent copies of pay slips of all concerned employees shall be enclosed to the bidding documents	Diploma Engineer	1
		Graduate Engineers	1
		• Bio Medical / Electronic • Foreign trained Engineer for the quoted equipment	2(1+1)
8	**Networking and Uptime**		**1**
	Supplier's office for maintenance and 24/7 support	Availability of workshop in Peshawar / ISB / Rawalpindi	Mandatory
		Availability of workshop at National level	1
		Certificate to the affect that the firm will provide 95% uptime on company letter head.	Mandatory
9	**Testing & Calibration Equipment**		**1**
		List of tools, testing equipment and calibration equipment relevant to the product	0.5

		Spare Parts readily available beyond ten years from the manufacturer	0.5
10	**Warranty Period Extension**		**4**
		Warranty Period 3 years both with spare parts and services from the date of successful installation is mandatory. Additional warranty with parts and services for Each year (2 marks)	Mandatory 4
11	**Post warranty Maintenance Services**		**4**
		Post warranty maintenance contract, including service, parts & rates (companies to offer percentage (%) of the contract value in the technical bid. The lowest will get the full marks. The rates must come from the original manufacturer (Lowest / Quoted) *4	4

Total Marks in Technical Criteria: **70**
Qualifying Percentage in Technical Criteria: **70%**
Qualifying Marks: **49**

11. Financial Criteria (30 Marks):

S #	Parameters	Sub-Parameters	Total Marks: 30
	Price		**30**
		Lowest Price will get full marks. The formula to calculate the marks for the price submitted is: [Lowest Price (Fm)/Price of Bid under consideration (F)] x100 x 0.30	30

Total Marks (Technical Criteria + Financial Criteria): 100

Financial bids of only technically responsive bidders will be opened publicly at the time to be announced by the Procuring Agency. The Financial Bids of technically disqualified bidders will be returned un-opened to the respective Bidders. After getting the financial score from the remaining **30** marks, the two scores will be combined to identify the best evaluated bid.

12. Merit Point Evaluation Methodology:

Contract will be awarded to the best evaluated responsive bid which gets the maximum marks and becomes the highest ranking in the Combined Evaluation calculated through the Merit Point Average Methodology which puts greater emphasis on non-price factors like stringent global certifications on Conformance Specifications (i.e., meeting the required technical specifications), Performance Specifications (i.e., meeting the requirements the product is designed for) leading to customer satisfaction verification, certifications of the technical staff, provision of maintenance & services and post-warranty services etc.

13. Award of Contract:

Contracts shall be confirmed through a written agreement signed by the successful bidder and the MTI /BKMC Swabi.

14. Payment:

a. No advance payment will be permissible.
b. The payment will be made after successful supply, installation/inspection and test run of all requisite items.

15.Terms & Conditions

- The delivery should be made within (local item) 30 days & (imported item) 90 days.
- The Supplier should provide the 10% performance Guarantee.
- If the supply is not done within the period mentioned in the supply order, penalty @ 2% will be charged upto15 days and beyond 15 days the penalty will be charged @ of 5%.
- Warranty/Guaranty of the above equipment shall be total 5 years with parts
- The bidder must register with Income / Sales Tax Department, reflected as Active Tax Payer on the list of FBR.
- The firm will provide the complete set of service manual of the above-mentioned item
- The country of origin certificated should be provided with the documents.
- The delivery & Installation at the Hospital will be the responsibility of Supplier.
- The bidder shall provide and undertaking that the bidder has not been declared black listed by any Government / Semi-Government institutions.
- The Hospital may accept or reject any or all of the bids under Rule 47 of KPPRA Rules, 2014.

16. CONTRACT FORMS

PERFORMANCE SECURITY FORM

To:

Hospital Director
Bacha khan Medical Complex
Swabi

WHEREAS [name of Supplier] (hereinafter called "the Supplier") has undertaken, in pursuance of Contract No. *[Reference number of the contract]* dated / /2017 to supply *Surgical Instruments and its ancillary services* (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a bank guarantee by a reputable bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier a guarantee:

THEREFORE, WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of *[amount of the guarantee in words and figures]*, and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *[amount of guarantee]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

Signature and seal of the Guarantors

[name of bank or financial institution]

[Address]

[date]

AGREEMENT DEED

For Equipment's

This agreement is made on this day _____/____/____ for the fiscal year _____between M/s: _____ _____ referred as 1st Party, which expression shall unless repugnant to the context mean and include his heirs, executors, administrators, successors and assigns).

And

The **Bacha khan Medical Complex, Medical Teaching Institute, Swabi, through its Hospital Director** (hereinafter referred as 2nd Party which expression shall unless repugnant to the context mean and include his heirs, executors, administrators, and assigns.

WHEREAS the 1st party has agreed to supply _____ _____(hereinafter referred as goods) out of the fresh stock to the 2nd party on the following terms and conditions: -

Definitions:

a. "The Contract" means the agreement entered into between the Procuring agency and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

b. "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.

c. "The Goods" means all of the equipment, machinery, and/or other materials which the Supplier is required to supply to the Procuring agency under the Contract.

d. "The Services" means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.

e. "The Supplier" means the individual agent of firm or firm supplying the Goods and Ancillary Services under this Contract.

f. "The Project Site," where applicable, means the place or places named in this contract.

g. "Day" means calendar day.

Terms and conditions:

1. 1st party shall deliver and install the stock at the premises and precincts of Bacha khan Medical Complex, Swabi. On CNF basis.
2. The specification, quality, quantity of goods shall be in conformity to purchase order, which shall be made part of this agreement. The first party shall include the ancillary services attached with goods.

3. The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods' country of origin. Such standards shall be the latest issued by the concerned institution.
4. The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in contract:
    i. performance or supervision of on-site assembly and/or start-up of the supplied Goods;
    ii. furnishing of tools required for assembly and / or maintenance of the supplied Goods;
    iii. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
    iv. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time indicated in purchase order, provided that this service shall not relieve the first party of any warranty obligations under this Contract; and
    v. Training of the second party's personnel, at the first party's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.
5. The firm will liable to complete the supply within stipulated time limit by confirming quality, quantity and timeline up to the entire satisfaction of second party.
6. The first party warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The first party further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the second party specifications) or from any act or omission of the first party, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of second party.
7. The second party shall promptly notify the first party in writing of any claims arising under this warranty.
8. The second party, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the first party, may terminate this Contract in whole or in part:
    a. if the first party fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the second party; or

    b. if the first party fails to perform any other obligation(s) under the Contract.

    c. if the first party, in the judgment of the second party has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this clause:

"Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

"fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition.

9. The firm will be liable to complete the supply within stipulated time limit i.e 90 days after the confirmation of LC from Manufacturer
10. In case the firm failed to complete the supply till due date a penalty as per detail below will be charged from the firm.
    a. Penalty @ 2% for late supply up to 15 days.
    b. Penalty @ 5% for late supply beyond 15 days.
    Once the maximum is reached, the second party may consider termination of the contract.

11. The 1st party shall be responsible for the transportation and transportation charges. The 1st party shall complete the supply and installation of goods within the stipulated period as mentioned in the supply order (imported items) from the date of execution of this agreement or as extended or reduce by the 2nd party. In case of failure of 1st party to supply the goods within the stipulated period, the 2nd party will be at liberty to make an alternate arrangement at the risk and cost of 1st party and the 1st party shall be liable to pay the entire cost/amount to the alternate supplier according to the demand of the 2nd party. In the event of commuting a default the 2nd party will

be at liberty to take any Civil/Criminal action against the 1st party in accordance with law. A fine up to 10% of the purchase price shall also be inflicted against the first party.

12. The 1st party shall be responsible for any defect in goods or supply of goods. The entire goods will be free of any charges and encumbrance of what so nature and the 2nd party or its agent will be authorized at all reasonable time to view, check and examine the conditions of the supplied goods.
13. Upon demand made by the 2nd party at any time or from time to time, to execute all such instruments, deeds or documents which the 2nd party may in its sole discretion require, the 1st party will do the needful.
14. The 1st party will be furnish all such information as the 2nd party may at any time or from time to time required relating to the position of goods and pecuniary liability of the 1st party or otherwise whatever.
15. The first party shall not, without the prior written consent of second party, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the second party in connection therewith, to any person other than a person employed by the first party in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.
16. The first party shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
17. The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, and in any subsequent instructions ordered by the second party.
18. The 2nd party will be at liberty, at all-time and shall have the right to return the goods, provided/delivered by the 1st party with regard to quality quantity, value or otherwise fitness for use. Notwithstanding any contained hereinabove, it is hereby agreed by both parties that the 2nd party at all times be at liberty and shall have the right to cancel or reduce the quantity, without assigning any reason.
19. The 1st party shall be bound under this agreement to provide the warranty and services of equipment which must be Five years with spare parts including tube and detector from the date of installation. The 1st party shall be bound to keep available the spare parts for 08 years.
20. The 1st party shall deposit an amount of **Rs. 10%** of the purchase price as service security, which will be refundable after expiry of the period of warranty/guaranty and services after necessary adjustments.
21. The first party shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

    For purposes of this clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Procuring agency in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

    If a Force Majeure situation arises, the first party shall promptly notify the second party in writing of such condition and the cause thereof. Unless otherwise directed by the second party in writing, the first party shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

22. Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or by cable, telex, or facsimile and confirmed in writing to the other party's address specified in contract.
23. A notice shall be effective when dispatched on the given address of the supplier in contract via above means.
24. Payment to the supplier shall be on presenting a bill in the shape of summary duly verified by finance department. The bill shall be counter verified from the end using department before clearance. Demand in violation of this clause of agreement may lead to imposition of reasonable amount of fine.
25. The goods shall be open to inspection at all times during the contractual period. The inspection of good shall be carried out by a representative from purchase, legal, quality control, finance or end using department.
26. Besides the above conditions the 1st party shall be bound to fulfill the defacing if found at any time and for the purpose shall be ready to sign and execute fresh agreement if needed.
27. Any difference or dispute which may arise between the parties of their representative agents regarding right and liabilities of the parties or any other matter relating to this deed may be referred to the **Board of Governor** and

their decision will be final in all respect and the 1st party will not be authorized to sue the 2nd party before any forum, court or tribunal anywhere.

IN WITNESS WHEREOF the parties above named have executed this agreement and have carefully pursued the terms and condition embodied.

Name: _____

NIC No. _____

M/S: _____

Address: _____

_____

Hospital Director

Medical Teaching Institute

Bacha khan Medical Complex Swabi.

Witness of First Party

Name: _____
CNIC No. _____
Address: _____

Witness of Second Party.

Name: _____
CNIC No. _____
Address: BKMC-MTI Swabi