

MINUTES OF PRE-BID MEETING (TENDER. “SUPPLY OF PHARMACY LAB EQUIPMENT”)

The pre bid meeting of tender “Supply of Pharmacy Lab Equipment” was scheduled on 22 August, 2022 at 11:30 am to 1:30 pm. The following officials from PAF-IAST joined the pre bid meeting.

Convener: Prof. Dr. Azhar Hussain

Members: 1. Dr. Fazli Wahid

2. Dr. Muhammad Imran Khan

3. Procurement Office: Saqib Rehman

It is worth to mention that various bidders joined virtual and onsite the pre-bid meeting whose details are as follow.

Rays Technology

Shahir Enterprises

Abdi Rafiq and Co

Sciencetech

MEDCO Pakistan

SU enterprises

The meeting started on specified time and chaired by Dr. Azhar Hussain. The RFP was discussed thoroughly with the bidders, following queries/ disputes have been raised. Kindly consider clarifications against each query raised.

S. No	Queries Raised by the Firms Representatives	Answer By PAF-IAST
1	In General Terms point 4 of page 05 of Bidding Docs, it is mentioned that bidder should be registered with the Khyber Pakhtunkhwa Revenue Authority. However it is only required for services works only not for supply of equipment so this should not have to be a mandatory requirement. Please clarify?	Please refer to RFP, clause 4.1. Please register yourself and provide the proof of application processing if not yet awarded the registration.
2	In Bid Data Sheet (BDS) point 3 “Scope of Work” states that we have to quote 03 years standard warranty and 02 years additional, whereas standard warranty is of 01 year only and additional 04 years can be given on the form G Extended Warranty column of the bid. Please clarify?	The institute required 03 years standard warranty from all firms. The extended warranty is the institute discretion.

3	In BDS point 18 which states that “submit the Proposal(s) against the Lot(s) separately in separate envelopes”. Please clarify that each technical lot has to accompany with all the documents Forms and Annex related to the qualification criteria and other supporting documents? We recommend to have all supporting docs and general forms with any one lot only. Please confirm?	Yes, each technical lot has to accompany with all the documents Forms and Annex related to the qualification criteria and other supporting documents.
4	In BDS point 13 Currency of Bid is also required in USD/Euro but does not include any thing about Taxes , duties, clearance charges, do we have to include these charges in quotation while quoting in foreign currency? Please clarify?	It is the responsibility of the firms to pay all the government taxes. The institute will not pay any additional charges.
5	In Section 4. Evaluation Criteria point 5 of page 19 “Bidder (Lead Bidder) is in operation for at least Five (05) years.” In case joint venture does lead bidder has to have 05 years’ experience or any party in the JV/ Consortium/ Associations have the 05 years’ experience is acceptable? Please confirm it?	Yes, in JV either one of the firm shall be five years old
6	For Power Lab in Lot # 11, may we have more detailed specification what you need for your purpose. AD instruments Australia is the only company which manufacture Powerlab and it consists of hardware, software, kits and transducer s which are used for different applications in pharmacy and physiology teaching and research.	The firms can quote with the below minimum specification/equivalent Software: Life science software with unit conversion, split screen, zoom view and video capturing features. Preconfigured settings files for one-touch recordings, Smart detection of all peripheral devices. Manual or event-driven sampling. Signal specific analysis tools. Full layout control – only display what you need to display. Set up hot-key macros for automating repetitive tasks. Scripting environment for custom signal analysis. Interactive learning software must include videos of lab protocols and procedures. Experiment must be editable and can be stand-alone or grouped together into modules. Each Experiment has standard Text Question and Multi-Choice questions, as well as Label Image, Upload and Annotate Image Categories,

		<p>Table Questions, and Drag and Drop questions to allow students to learn the way they want to learn. Mix and match panels to make engaging, memorable lessons.</p> <p>Hardware: Multi-purpose Research and Teaching data acquisition hardware must be integrated in single unit and must contain isolated human and animal stimulators with dual Bio Amp and 4 analog inputs, 8 digital inputs, and 8 digital outputs (Must be all in one compact unit).</p> <p>Kits/transducers: Reliable, easy-to-use with cost effective kits</p>
7	How we quote Power lab, as one unit or should be quoted separately for each part/transducer/software etc so that you are able to decide as per your application/budget.	It should be quoted as a single unit.
8	Up-right Fluorescence Microscope with camera and Laptop/PC system, please clarify objectives, Filters, camera etc	<p>Please add the following Objective: 100X oil objective</p> <p>Filters: please consider third filter UV Excitation filter</p> <p>Camera: should be compatible for fluorescence imaging minimum 6 or above Mega Pixels, All related softwares shall be provided</p>
9	Inverted Fluorescence Microscope with camera and Laptop/PC system, some of the specifications matches with a specific brand, please generalize it	Please quote equivalent specifications of any reputed brand in the market
10	Binocular light compound microscope 1. some of the specifications matches with a specific brand, please generalize it 2. do we need to supply "Wooden Carrying Case".	<p>Please quote equivalent specifications of any reputed brand in the market.</p> <p>Yes, please as it is a compulsory part to save the microscope from dust and damages.</p>
11	Reciprocating shaker: which size of platform you'd prefer? 250×250, 350×350, 450×450	<p>Please consider Digital controlled capacity 10kg, Speed range 20 – 400 rpm, Orbit 20mm,</p>

		Timer up to 120 minutes, capacity 24x250ml or better or equivalent
12	Cooled storage incubator: Max. Number of internals 14, Max. loading per internal 30 kg? May we know how many kilograms of samples will the customer place, I mean if total 14 shelves, 30kg each shelves, total 420kg, it is very heavy, the standard working chamber are unaffordable so heavy samples, the structure of the working chamber needs to be thickened and re-customized.	Please consider minimum Temperature range:-10 to +60°C. Capacity:238 Liters or above, Shelves:5 Interior finish: Stainless steel Circulation System: Forced Air Circulation
13	Lot no 14 Item no 1 Aspirator full specifications required Item no 2 oxygen assembly complete unit full specifications required	Aspirator: It shall be of high quality with standard specification. It shall be a complete solution. Oxygen Assembly: It shall be of high quality with standard specification. It shall be a complete solution.
14	Lot no 15 Ultra pure water Will u give tap water to the equipment or Ro water to the equipment	No, it shall be a complete solution from the supplier
15	Digital Autoclave with capacity of 130 L	Minimum requirements needed by institution: <u>110-130 L Capacity</u>
16	pH meter with accessories Accuracy ± 0.2 mV	Minimum requirements needed by institution: <u>Accuracy ± 0.2 mV</u>
17	Shaking Water bath with accessories Chamber Capacity 15 Liter	Minimum requirements needed: Chamber Capacity 14-16 Liter, <u>Shaking speed 30 – 160 oscillations per minute</u>
18	Digital Water bath Chamber Capacity 23 Liter	Minimum Chamber Capacity 21-24 Liter
19	Micro Plate Centrifuge Capacity: 4 x 100ml, Max. Speed: 14,000 rpm, Max. RCF: 20,800 xg	Please consider minimum requirements needed: <u>Swing-bucket rotors and adapters accommodate tubes and bottles from 1.5/2 mL to 250ml, Capacity 4x 100 to 6 x 250 ml, Max. Speed: 14000 rpm to 16,000 rpm, Max. RCF: 20800 xg to 21,379 xg</u>
20	Centrifuge Refrigerated , Speed: 14,800 rpm, Max. RCF: 21,100 xg	Minimum requirements: <u>Speed: 14,500 rpm, RCF: 17,157 xg</u>
21	Cell Culture Centrifuge (Refrigerated) 196 Blood Tubes, 96 15ml Tubes,	Please consider minimum requirements needed: <u>192 Blood Tubes 2.6-8 ml, 72 15</u>

		<u>ml Tubes, Floor standing/Benchtop</u>
22	Cold Cabinets Fridge (4°C to 8 °C) Minimum Capacity 600L, Capacity (English) 49 cu.ft.	Please consider minimum requirements: <u>Minimum Capacity 600-800L, Capacity</u>
23	Ultra Low Temperature Freezer	Please consider minimum: Temperature range: -50°C to -86°C capacity: 515 - 525 Liters Shelves: 3 Access port: 3 Compressor: Rotary type (high stage side), Hermetic type (low stage side) Alarm system: High/low Temperature, Power failure, Filter check,
24	Digital Colony Counter(Automatic)	Please consider the minimum requirements: - The Digital Colony Counter should be operated through software Complete unit with Computer and Printer.
25	Analytical Balance	Please consider the minimum requirements: Weighting Capacity: 220-250 gm Readability: 0.01
26	Precision Balance, We request to please change as follows: -	Please consider: -Capacity: 1000 – 1020g Minimum Display: 0.001g Repeatability: < 0.001 g Linearity: ± 0.003g Response Time: Approx. 1 sec.
27	Laminar Flow Cabinet (Horizontal)	Please consider: Adjustable fan unit & one-button velocity selection High efficiency & low power consumption Exterior Dimensions 1220*650*920 (W x D x H (mm)) Work Zone Dimensions 1120*490*575 (W x D x H (mm)) Work Zone Height 40 (cm) Controller Switch Main Power Switch Yes Foot-pad Yes

		Noise dB(A) <65 HEPA Filter H13, ≥99.99% (@≥0.3μm)
28	Biological Safety Cabinet (Class II Type A2)	Please consider: Nominal Size: 4 Feet Airflow Type: Top Exhaust Average Inflow Velocity: 0.55m/s Average Downflow Velocity: 0.35m/s Work Zone: Stainless Steel SUS304 Main Body: Electro-galvanized steel with white oven-baked powder-coated finish Sash Glass Thickness & Type: 5mm Tempered Glass, Ultraviolet-proof Sash working opening: 200 – 460mm / 8 -18 inch HEPA: ISO Class 5 Filtration Efficiency HEPA: ≥99.995%,@0.3 μm Display: LCD Screen on sloped front UV Timer LUX: ≥ 800 Noise Level: ≤ 62 (dB(A))
29	Fume Hood	Please consider: Nominal size 1.2 meters (4') Main Body EG steel with aluminum and oven-baked Epoxy- polyester hybrid Isocide™ powder coating Airfoil Stainless Steel grade 304 Sash Material Tempered Laminated and Framed Sash Glass Sash Configuration Vertical With blower and complete needed with installation
30	Water Bath.	Please consider the minimum requirements: Capacity 20 - 25 Lit
31	Water Bath 3 Hole	Please consider the minimum requirements: 5 - 10 L Temperature: 5 °C above ambient up to +95 °C

32	Biochemistry Analyzer	<p>Please consider the minimum requirements: -Aspirated Sample Volume User-defined from 10 to 50 µl Analysis Time 60 seconds Precision Application specific, typical CV <2% Linearity +/- 5% Cal value to maximum Working Environment 15 to 35° C ambient temperature, 10 to 75% relative humidity (noncondensing) Regulatory Compliance CE, RoHS Automation Up to 96 samples</p>
33	Shaking Incubator: The Temperature Range: Max 60, no need cooling function right, which platform do you need, if need universal platform, how many flask clamp you want to place.	<p>Please consider the minimum requirements: -Microprocessor temperature controlled digital display, working temperature range: 10°C to 60°C, accuracy + 0.1 °C shaking speed 20 – 300 rpm, Interior: Stainless Steel Size: 250ml 23-Nos OR 500ml 16-Nos OR 1000ml 9-</p>
34	Cooled Storage Cabinet,	<p>Please consider the minimum requirements: - Temperature range: -10 to +60°C Capacity: 238 Liters or above Shelves: 5 Interior finish: Stainless steel Circulation System: Forced Air Circulation Please do the above changes and oblige.</p>
35	UV/Vis Spectrophotometer,	<p>Please consider the minimum requirements: - Wavelength range: 190—1100 nm Computer With spare D2 and Tungsten Lamp, with software, computer and printer</p>
36	LYOPHILIZER	<p><u>Please also consider</u> <u>Vacuum Pump Rotary Type</u> <u>Double Stage</u> Number of stage: 2 Capacity: 45 Liter/Minute approx Max. pumping speed 50/60Hz (m³/h): 2.3/2.8 Ultimate Partial vacuum (abs): 4 x 10⁻⁴ Ultimate vacuum (abs): 2 x 10⁻³</p>

		<p>With gas ballast (mbar): 1×10^{-2}</p> <p>Water vapor tolerance (mbar): 40</p> <p>Oil capacity (B-oil) Min/Max Lit 0.1/0.28</p> <p>Exhaust filter for vacuum pump Vacuum Sensor Vacuum hose incl. standard flange Base plate</p> <p>Rubber valve</p>
37	Water Purification System	<p>Please consider minimum requirements: Type 1 ultrapure water* (Hand dispensing) Ultrapure water conductivity $18.2 \text{ M}\Omega \times \text{cm} \pm 0.055$ $\mu\text{S/cm}$ Dispensing performance up to 1.6 l/min. TOC value 1 - 5 ppb* Endotoxines 0.001 EU/ml* Particle content < 1 particulate/ml Bacteria content < 0.1 CFU/ml RNases2 < 1 pg/ml DNases2 < 5 pg/ml Particle and bacteria content < 0.01 CFU/ml Typical applications GF-AAS, IC, ICP, ICP-MS, HPLC Cell and tissue cultures for molecular biology and microbiology *Dependent on the feedwater and regular disinfection 2 With Bio-Final filter 19102100.</p> <p>Type II pure water (Tank outlet)</p>

		<p>Pure water conductivity $15\text{-}10\text{ M}\Omega \times \text{cm} \triangleq$ $0.067\text{-}0.1\text{ }\mu\text{S/cm}$ Pure water performance at 15°C 12 l/h Typical applications Make up water for buffers and media Rinsing of laboratory glass Preparation of reagents and samples Feed water for autoclaves</p> <p>Ambient temperature $+2$ to 35°C With 10 Litter Tank</p>
38	Water Distillation Unit	<p>Please consider minimum: Conductivity at 25°C ca. $2,3\text{ }\mu\text{S/cm}$ Production Capacity output 4 Lit/h Heater power 3,0 kW, Cooling water Consumption 0,8 L/min</p>