



**TENDER DOCUMENTS  
(2018-19)**

**(SUPPLY, INSTALLATION, COMMISSIONING AND TESTING OF EQUIPMENTS)**

**DEPARTMENT OF BIOCHEMISTRY  
UNDER THE NRPU PROJECT NO. 5730**

**HAZARA UNIVERSITY, MANSEHRA**



# **HAZARA UNIVERSITY, MANSEHRA**

## **OFFICE OF THE PROCUREMENT OFFICER**

*Phone No. 0997-414178, Fax No. 0997-414111*

### **1. GENERAL**

- i. Any bid without 2% earnest money of the total amount will not be entertained.
- ii. Conditional/incomplete/overwritten bid will not be entertained.
- iii. KPPRA rules will be followed strictly in all procurement process.
- iv. The prices quoted must be valid for at least 90 days from the date of tender opening for the evaluation of tender. The quoted prices once approved will remain valid one year from the date of opening of financial bid(s). The bid can be extended for further period as per KPPRA rules, if both the parties agree.
- v. Telephonic/telexed/faxed/telegraphic quotations will not be entertained.
- vi. The bid must accompany the following:
  - a. Firm Registration Certificate with the Federal/Provincial Government.
  - b. National Tax Number
  - c. Sales Tax Registration Certificate Number.
  - d. Certificate to the effect that they have never been blacklisted by any Government/ Semi Government Organization.
  - e. Dealership Certificate from original manufacturer for Pakistan (where required)
  - f. All bids must be properly sealed and delivered through mail.
  - g. The provision of quoted rate in soft form is also required.

### **2. SCOPE OF SUPPLY**

The bidder shall supply the items according to the prescribed specifications. Any deviation will cause rejection of the supply order.

### **3. BID PRICE**

The bidder shall indicate in his offer, list of items with prescribed specifications, the unit price and total bid prices of the items (Total bid price must include labour and transportation charges and Government taxes etc). Taxes levied by the Government, if any, shall be recoverable from the bidder as per rules.

### **4. CURRENCY OF BID**

The Price should be quoted in Pakistani Rupees.

### **5. BID VALIDITY**

The bid should remain valid and open for acceptance of purchase for 90 days from the date of opening of bids. The quoted prices once approved will remain valid for one year from the date of opening of financial bid(s).

### **6. PERFORMANCE GUARANTEE**

The Winner of the bid shall submit a performance guarantee at the rate of 10% of the total bid amount in the form of draft/pay order/bank guarantee in favor of Treasurer Hazara University, Mansehra.

### **7. BIDS PROPOSAL**

The bid should comprise a single package containing two separate envelopes. Each envelop should contain separately the financial proposal and technical proposal. The envelopes shall be

marked as “FINANCIAL PROPOSAL” and “TECHNICAL PROPOSAL” in bold letters. Initially the technical proposal will be opened whereas the financial proposal will be retained in the custody without being opened.

The committee will evaluate the technical proposals. The Technical proposal not confirming to the requirements of the university will be rejected, the financial proposal of bids found technically non-responsive will be returned un-opened to the respective bidders. Financial proposals of the technically responsive bids will be opened publicly at the time, date and venue which will be communicated well in time to the respective bidders.

The above stated standard evaluation criteria will be binding upon the bidders and will have no liability, on the University.

## **8. BID SECURITY**

Bid security shall be kept sealed in the financial proposal. The bidder(s) are also required to keep an affidavit in the technical proposal stating that a bid security amounting to 2 percent of total amount, without indicating the figure in the letter, has been placed in the financial proposal. Otherwise the technical proposal will be considered non-responsive and will be returned to the bidder(s) after being examined by the University Purchase Committee.

The Bid Securities of the successful Bidders/Suppliers (i-e **only two percent** of quoted bid amount) have a minimum validity period of ninety days from the last date for submission of the Tender or until furnishing of the Performance Security, whichever is later.

The Bid Security may be forfeited;

- (a) If the Bidder/Supplier withdraws his bid; or
- (b) In the case of successful Bidder/Supplier, if he fails within the specified time limit to Sign the Contract Agreement or if he fails to made supply within stipulated time period.

## **9. DEADLINE FOR SUBMISSION OF BIDS**

All bids must reach and be received by the University on or before **Tuesday, February 26, 2019 at 1330 hours**. The bids will be opened at 1430 hours on the same day in the conference room, Hazara University in presence of the bidders or their authorized representatives, who wish to be present. Bids with charges payable will not be accepted, nor will arrangements be undertaken to collect the bids from any delivery point other than that specified above. Bidder/Suppliers shall bear all expenses incurred in the preparation and delivery of bids. No claims will be entertained for refund of such expenses.

## **10. LATE BIDS**

Any bid received by the Employer/ after the deadline for submission of bids will be returned unopened to such Bidder/Supplier. Delays of person in transit, or delivery of a bid to the wrong office shall not be accepted as an excuse for failure to deliver a bid at the proper place and time. It shall be the Bidder/Supplier’s responsibility to determine the manner in which timely delivery of his bid will be accomplished either in person, by messenger.

## **11. CLARIFICATION OF BIDS**

To assist in the examination, evaluation and comparison of bids, the Employer/ may, at his discretion, ask any Bidder/Supplier for clarification of his bid, including breakdowns of unit rates. The request for clarification and the response shall be in writing but no change in the price or substance of the bid shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by the in the evaluation of the bids.

## **12. UNIVERSITY'S RIGHT TO ACCEPT OR REJECT ANY OR ALL BIDS**

The University reserves the right to accept or reject any or all tenders fully or partially as per provision available under Rule-47 of the Khyber Pakhtunkhwa Public Procurement of Goods, Works and Services Rules, 2014 and invoke Rule-48 of the said Rules for re-bidding. The University reserve the right to cancel all the bids were quoted price exceed estimated cost / or market value as per provision available under Rule-47.

## **13. NOTIFICATION OF AWARD**

Prior to expiration of the period of bid validity prescribed by the Employer/, the Employer/ will notify the successful Bidder/Supplier in writing ("Letter of Acceptance") that his Bid has been accepted. This letter shall name the sum which the Employer/ will pay the Contractor in consideration of the execution of the contract and completion of the Supplies by the Contractor as prescribed by the Contract (hereinafter and in the Conditions of Contract called the "Contract Price").

No Negotiation with the Bidder/Supplier having evaluated as lowest responsive or any other Bidder/Supplier Shall be permitted, however, Employer/ may have clarification meetings to get clarify any item in the bid evaluation report.

The notification of award and its acceptance by the Bidders/Suppliers will constitute the formation of the Contract, binding the Employer/ and the Bidder/Supplier till signing of the formal Contract Agreement. Upon notification of award and its acceptance by the Bidders/Suppliers, the Employer/ will promptly notify the other Bidder/Suppliers that their Bids have been unsuccessful and return their bid securities.

## **14. SIGNING OF CONTRACT AGREEMENT**

The formal Agreement between the Employer and the successful Bidders/Suppliers shall be executed as per instructions of tender documents within 14 days of the receipt of the Contract Agreement by the successful Bidder/Supplier from the Employer.

## **15. CANVASSING**

Unsolicited advice / clarifications and any personal approached at any stage of evaluations of bids are strictly prohibited and may lead to disqualification.

## **16. DELIVERY**

The bidders shall make delivery of the items within 30 days from date of issuance of supply order. A penalty of 2% of the item price per day subject to the maximum of 10% may be charged after expiry of the delivery time till the supply of the items. The delivery of items, their installation, testing and

functioning, shall be made at Hazara University Mansehra by the suppliers, at their own expense, and transportation arrangements.

## **17. MODE OF PAYMENT**

No advance payment will be made as per Government rules. The payment will be made to the supplier after inspection of supplied items by a committee of experts constituted by the University. If found in order in all respects after the successful and complete supply, installation and functioning of the items, the retention money will be released after successfully laps of warranty / defective period.

## **18. BID PRICE**

The bidder shall indicate in his offer, list of items with prescribed specifications, the unit price and total bid prices of the items (Total price must Include transportation, insurance, fixing, placing, demonstration, testing, commissioning and all Government taxes etc). Taxes levied by the Government, if any, shall be recoverable from the bidder as per rules. The Price should be quoted in Pakistani Rupees.

## **19. TAXES**

All Government taxes shall be deducted at source according to the relevant rules.

## **20. ARBITRATION**

The decision of the University in all relevant matters will be final and unchallengeable in any court of law anywhere.

## **21. SPECIAL CONDITIONS OF THE CONTRACT**

### **1. Inspection of Equipments/materials.**

All Equipments/Glassware shall be subject to inspection and shall be approved by Hazara University Purchase committee/Technical Committee before the same are fabricated or installed in position. The committee may reject such materials as are considered by him to be below standard specifications, size or quality. The Contractor shall provide all labour at his own expense for handling during inspection. Any materials rejected by the committee shall not be used and shall be removed from site by the Contractor.

### **2. Work to be opened for inspection.**

All supply/works under or during the course of execution in pursuance of the Contractor, whether at site or at Contractor's workshop shall, all times, be opened for inspection and supervision of the Hazara University Purchase committee/Technical Committee at all times during the usual working hours, the contractor should either himself be present to receive the instructions or any responsible agent duly accredited in writing, present for this purpose. Instructions given to the Contractor's agent should be considered to have the same force as if these had been given to the Contractor himself.

### **3. Responsibility against damages**

Before and up to the whole of the Supply/works are completed and have been finally handed over to the University and a proper completion certificate thereof obtained by the Contractor, the Contractor shall be responsible for all and any damage caused to the materials or installed works/equipments thorough accident, improper handling, transport or any other cause whatsoever and shall repair, remove or replace the same and compensate the University against all such losses.

**4. Specifications**

The work shall comply to the requirement/ specification laid down in the B.O.Q of the tender. Quality of each item should be supreme quality.

**5. Laboratory Test**

The Hazara University Purchase committee/Technical Committee has the power to order for conducting Equipments/material quality assurance test which he deems necessary and cost of such tests will be borne by the contractor. No claim in this regard will be entertained for payment.

**This information Must be kept in Technical proposal Envelop**

To be filled by the bidders.

1. Name of bidders: -----

2. Address: -----  
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3. Phone: ----- Mobile -----

4. Fax No. ----- E-mail: -----

5. NIC Tax No. ----- Sales Tax No.: -----

6. Branches (if any):

i. -----

ii. -----

iii. -----

7. Type of Business:

i. -----

ii. -----

iii. -----

8. Facilities:

i. List of technical staff with qualification and experience

ii. Authorization of distribution / dealership -----

iii. Any other: -----

9. Previous Experience (name of organization where said or like equipment supplied/installed/ commissioned):

i.----- ii.-----

iii.----- iv.-----

v.----- vi.-----

vii.----- viii.-----

Please enclose any supporting document

Name and signature: - ----- Date: -----

Seal:

**BILL OF QUANTITIES**  
**SUPPLY, INSTALLATION, COMMISSIONING AND**  
**TESTING OF EQUIPMENT**

S.#	Name of Equipment	Specifications	Min Qty	Total Price (Inclusive all taxes)
1.	Mini Centrifuge	<ul style="list-style-type: none"> <li>➤ Control panel with Touch-Operation</li> <li>➤ Simple one –handed operation</li> <li>➤ splash-proof foil keyboard</li> <li>➤ Permanent indication of pre-set and actual values</li> <li>➤ Selection of speed in both rpm and g-force, In increments of 10</li> <li>➤ Pre- selection of the running time, from 10s to 99h 59min or continuous</li> <li>➤ Quick –key for short runs</li> </ul> <p><b>Technical Data</b></p> <p>Max. Speed: 13,500 rpm or more  Max. Volume: 12/24 x 1.5/2.0 ml  Speed range: 200 - 13,500 rpm or more  Rotor capacity 24/12 x 1.5/2 ml Speed 13500rpm or more  Power supply 220 Volts,</p>	1	
2.	Autoclave (Table Top Autoclave)	<p>Capacity 18-36 L</p> <p>Sterilization Temp. 121°C,134°C</p> <p>Chamber Max temperature: 145°C</p> <p>Ambient Temp. 5~40°C</p> <p>Display LED display</p> <p>Safety System Hand lock door</p> <p>Pressure lock system</p> <p>Relief valve in case of over pressure</p> <p>Pressure or temperature over load protection</p> <p>Alarm for system failure, finish reminding, water level warning</p> <p>Power Supply 220V±10%, 60/50Hz</p>	1	
3.	Laminar Flow Hood	<p>External Size (W*D*H) 1300*820*2040mm</p> <p>Internal Size (W*D*H) 1200*500*570mm</p> <p>Work Surface Height 750mm</p> <p>Airflow Velocity Average of 0.3~0.5m/s</p> <p>Material Main Body: Cold-rolled steel with anti-bacteria powder coating</p> <p>Work Table: stainless steel</p> <p>Side and Front Window: 5mm toughened glass, anti-UV</p> <p>Noise &lt;60dB</p> <p>Front Window Motorized</p> <p>Max Opening 430mm</p> <p>Main power switch Yes</p> <p>Power Supply AC220V±10%, 50/60Hz;</p> <p>Standard Accessory. LED lamp, UV lamp*2, Base stand, Gas Tap, Waterproof socket*2,</p>	1	
4.	Shaking Incubator	<p><b>Features</b></p> <ul style="list-style-type: none"> <li>➤ Accurate temperature control by Digital PID controller</li> <li>➤ Accurate speed control and digital mark function made for user convenience.</li> <li>➤ Overheat, over current prevention device for users and safety function to stop shaking device automatically when door open.</li> <li>➤ Various holder and plate available according to users spec.</li> </ul> <p><b>Specification</b></p> <p>Temperature Range Ambient +5°C ~ 60°C</p> <p>TemperatureController Digital PID Controller</p> <p>Temperature Accuracy ±0.2°C at 37°C</p> <p>Internal Size (WxDxH) 530x560x380 (112L)</p> <p>External size (WxDxH) 590x850x770</p> <p>Electrical safety Over temp limter, ELB(Earth Leakage Breaker),</p> <p>Pause stop</p>	1	

		<p>Internal material                      Stainless steel STS #304</p> <p>External material                     Steel, Powder coating</p> <p>Speed Range                           30 ~300 rpm</p> <p>Shaking Stroke                       20mm Orbital Motion</p> <p>Light System                          LED Lamp 4W</p> <p>Electric Requirements               220VAC. 50 or60Hz</p> <p>Clamp Numbers   Plate Size(mm)   480×460</p> <p>  100mℓ   36</p> <p>  250mℓ   16~25</p> <p>  500mℓ   9~16</p> <p>  1000mℓ       9</p> <p>  2000mℓ       4</p>		
5.	Low Temperature Incubator	<p><b>Feature</b></p> <ul style="list-style-type: none"> <li>➤ PID controller with LED/LCD display Controller.</li> <li>➤ Polished stainless steel chamber.</li> <li>➤ Round angle structure , easy to clean.</li> <li>➤ Power socket integrated inside for additional small equipment.</li> <li>➤ Illumination in the chamber.</li> <li>➤ Universal Castors for easy movement.</li> <li>➤ CFC-free environmental friendly refrigerant.</li> <li>➤ Temperature protection threshold value can be set.</li> <li>➤ Auto-off protection and alarm for abnormal situation.</li> <li>➤ Parameters can be saved automatically when power off or system error</li> </ul> <p><b>Specification</b></p> <p>Capacity                               200L</p> <p>Temp. Range                           0~65°C</p> <p>Temp. Fluctuation                   ±1°C</p> <p>Temp. Uniformity                   ±2 °C</p> <p>Shelves                               3 pcs/ adjustable</p> <p>Time Range                           0~99h59min</p> <p>Standard Accessory               BOD socket; built-in printer</p> <p>Working Type                        Continuous</p> <p>Power Supply                        220V±10%, 50/60Hz</p> <p>Internal Size(mm)                 450*450*1000</p> <p>External Size(mm)                 590*640*1560</p> <p>Safety                                 Over temperature Cut-Off</p> <p>  Over current Cut-Off</p>	1	
6.	Ultra-low Temperature (-86°C) Freezer- Vertical Type	<p>Type                                    Vertical</p> <p>External Size (W*D*H)mm         700*700*1580</p> <p>Internal Size (W*D*H)mm         460*455*800</p> <p>Capacity                               158L</p> <p>Temp. Range                          -40~ -86°C</p> <p>Temp. Accuracy                     0.1 °C</p> <p>Control System                     Microprocessor control &amp; LED Display</p> <p>Audible and Visual Alarm         High and low temperature, Sensor failure, abnormal voltag</p> <p>Compressor                         1set</p> <p>Condenser&amp; Evaporator           Made of copper</p> <p>Door                                   lockable door</p> <p>Chamber with inner door         3</p> <p>Shelves                               2 pcs</p> <p>Power Supply                        AC220V±10%, 50/60HZ</p>	1	
7.	Deionizer	<p>It equipped with conductivity meter, wall mount</p> <p>Flow rate50 liter/hour, pure water quality 0.1 – 20 us/cm , operation on 220 Volts,</p>	1	
8.	Fluorescence Microscope	<p><b>Features</b></p> <ul style="list-style-type: none"> <li>• Research Fluorescence Microscope suitable for <i>C. elegan</i> research</li> <li>• The unit should be capable of being stored continuously in ambient temperature of</li> <li>• Upto 50deg C and relative humidity of 15-90%</li> <li>• Should provide a comfortable user sit in position for reducing user stress.</li> <li>• Trinocular head for camera integration</li> <li>• Six Position Fluorescence Module with three Chroma Fluorochromes</li> </ul>	1	



	<p>included</p> <ul style="list-style-type: none"> <li>• Epi fluorescence illumination system, filter blocks for UV, blue and green excitation. The system should have filter blocks on a turret.</li> <li>• Empty filter cube to fit in the additional empty filter cube, spots for specialized Chroma filters</li> <li>• Brightfield, Darkfield, Phase Contrast, Polarized Light and Epi-Fluorescence, DIC modes</li> <li>• Reduced risk of eye damage</li> <li>• No special disposal regulations or issues</li> <li>• Stains viewing either individually or in combination, without filter cube changes</li> <li>• Works with everyday fluorophores/stains</li> <li>• Broad spectrum - covers UV (DAPI) to Red region (Cy5)</li> <li>• Specify for existing single and multi-band filter sets</li> <li>• Instant on/off - No shutters required, no warm up or cool down</li> </ul> <p><b>Specification</b></p> <p><b>Optical System</b> Infinity Corrected Optical System</p> <p><b>Eyepieces (F.O.V)</b> 10× (22), 12.5× (16), 15× (14.5) mm</p> <p><b>Eyepiece tube</b> Trinocular Tube, F.O.V 22/25 (eyepiece port (100/0, 20/80, 0/100), The interpupillary distance adjustable to accommodate observer height</p> <p><b>Focusing</b> Motorized Coaxial Coarse/Fine focusing</p> <p><b>Nosepiece</b> Quintuple/Sextuple Nosepiece</p> <p><b>Objectives</b> Objectives for epifluorescence, Phase contrast and bright field with following magnification. Plan Apochromate/Apo fluorite Objective 4X, 10X, 20X. 40X, 60X, 100X (oil)</p> <p><b>Observation methods</b> Epi-fluorescence, Brightfield, Darkfield, Phase contrast, DIC</p> <p><b>Stage</b> Ceramic coated flat top stage, cross travel 78-100(X) mm x 54-100 (Y) mm, Stages handle height and torque adjustable for all specimen holder</p> <p><b>Condenser</b> Universal condenser/Abbe condenser N.A.1.25 Phase Contrast Condenser NA 1.25 darkfield condenser DIC</p> <p><b>Epi-fluorescence attachment</b> <ul style="list-style-type: none"> <li>• Epi-fluorescence Attachment (6 lter cubes mountable)</li> <li>• ND Filters, Noise Terminator mechanism</li> <li>• Configured for everyday fluorophores such as DAPI, AO.FITC, TRITC, PI, Phalloidin, BODIPY, CPS-6 Cy5</li> </ul> </p> <p><b>Illumination</b> High luminescent White LED Illuminator</p> <p><b>Power</b> In put voltage 100-240V</p> <p><b>Digital Camera with measuring software</b> <ul style="list-style-type: none"> <li>• 16 megapixel (or higher), high-definition color camera,</li> <li>• CMOS sensor,</li> <li>• Video record on SD card or PC,</li> <li>• Includes: Camera, USB cable, software</li> </ul> </p>		
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		<p><b>Desktop /Tablet</b></p> <p>Tablet-style camera control unit for microscopes</p> <ul style="list-style-type: none"> <li>• The large, 8-10.1 inch display</li> <li>• touch panel display, smooth setting and control of the camera</li> <li>• have connection of Bluetooth accessories such as a keyboard and mouse</li> </ul> <p>OR</p> <p>DeskTop Cori 7, 7th or 8th generation 2.8Ghz, 4MB Cashe, 8 Gb RAM,500GB</p> <p><b>Protect Barrier</b> Protect Barrier: Barrier to Resist The Ultra Violet Light</p> <p><b>Accessories</b> Dust cover, immersion oil and instruction manual in english, List of Equipment available for providing calibration and routine preventive Maintenance Support. Warranty: Limited Lifetime Warranty Card</p>		
9.	Pipettes (Autoclaveable)	<p>0.1-10 µl</p> <p>10-100µl</p> <p>100-1000µl</p> <p>0.5-5 ml</p>	1	

### 23. Special / Mandatory Conditions

- Refurbished, Grey smuggled or international warranty products will not be accepted in any case.
- Hazara University will verify the serial numbers of the supplied items with its manufacturer. If found ambiguous, will be returned at supplier own cost.
- Manufacturer's Authorization Letter will be provided by the bidder in the name of Hazara University. The same shall be verified with the Manufacturer / issuing authority.
- Quoted product must have at least one manufacture's parts depot in Pakistan, for rapid warranty claims.
- Any product inferior to the given specification / University requirement shall be disqualified straight away.
- Compliance sheet must be provided by the bidder along with the quotation
- The successful bidders will be required to supply the items as per maximum required quantity of University up-to the end of one year from the date of opening of financial bid(s).
- Hazara University shall only accept the branded equipment imported through proper channel.

**Bidder's Sign and Stamp**