



# UNIVERSITY OF KARACHI

## KARACHI

Ref: P.O./L.P./Lab.Equip/2018-1375

Cost of form  
Rs. 2000/=(Non refundable)

### TENDER DOCUMENT

#### PROCUREMENT OF LABORATORY EQUIPMENTS FOR INSTITUTE OF SUSTAINABLE HALOPHYTE UTILIZATION (ISHU), UNIVERSITY OF KARACHI

S. No.	Description	Qty	Unit Price	Total
1	<b>Laboratory Digital Balance (min. 0.001g)</b> Electronic analytical balance Top loading readability min. 0.0001 g Switchable 240 V; 50/60Hz.; Manual	01		
2	<b>Ultra Low Freezer</b> Ultra Low -86 Degree Celsius Upright Freezer Systems – Upright Accuracy: $\pm 1^{\circ}\text{C}$ ; Operating Environ. Up to $50^{\circ}\text{C}$ <b>Capacity (Liters):</b> 1000 <b>Electrical:</b> 210-250V @ 60 Hz <b>Amps (Circuit Breaker):</b> 15.0 Adjustable internal partitions Digital Control Panel Error Alarms Manual, Installation and Comprehensive Warranty			
3	<b>Microwave Digestion System</b> <b>Specifications:</b> Mainframe, Temperature and pressure control systems High-pressure 6/12 ports, vessel capacity at least 75 ml to 100 ml Complete unit with sealed container and standard accessories.			
4	<b>Laboratory Microscope with Digital Camera</b> <b>Description:</b> Laboratory microscope for routine applications, with integrated camera and detachable computer/tablet. <b>Specifications:</b> <b>General:</b> Binocular with double layer stage, objectives 4x 10x 40x 100x <b>Head:</b> Binocular Digital observation head, inclined $30^{\circ}$ and rotatable $360^{\circ}$ . Diopter adjustment on left eyepieces. Interpupillary adjustment 48-75 mm. <b>Observation Modes:</b> Light/ Brightfield <b>Eyepieces:</b> Widefield eyepieces 4x/10X capable of micrometry. <b>Stage:</b> Double layer with mechanical sliding stage, Vernier scale on the two axes, accuracy 0,1 mm <b>Focusing System:</b> Fine and Coarse Adjustments			

S. No.	Description	Qty	Unit Price	Total
	<p><b>Illumination:</b> Light source LED with white and yellow lights; light intensity control using a knob. Cool light, Standard condenser and diaphragm.</p> <p><b>Camera:</b> high resolution digital (at least 18 megapixel) with USB output, video with at least 5frames/Sec, IR filter, with PC/tablet display, 100GB memory.</p> <p><b>Laptop/Tablet:</b> Intel Octa core, 1.66GHz, 4GB RAM, Windows 8/10, LED display, 500GB HDD, USB and SD input, wireless, Li-ion battery, power supply, warranty.</p> <p>Power: Standard 220/250V Software for operation; Manual/Installation/Warranty.</p>			
5	<p><b>UV-Vis Spectrophotometer</b> <b>Specification:</b> Optical System : Double beam Wavelength Range : 190-1100 nm Spectral Bandwidth : 1 nm Wavelength Accuracy : <math>\pm 0.3</math> nm Wavelength Repeatability : <math>\leq 0.1</math> nm Photometric Accuracy : <math>\pm 0.3</math> %T (0~100%T) Photometric Repeatability : <math>\pm 0.1</math> % T (0~100%T) Photometric Range : 0-200 % T; -0.3A~3A Stray Light : <math>\leq 0.03</math> % T Scanning speed : Fast, Mid, Slow Wavelength setting : Auto/Manual Display : LCD, Digital Light Source : Imported Deuterium &amp; Tungsten lamp Detector : Imported Silicon Photo-diode Output : USB/RS232/SD Card; Power : AC 220V/50Hz Cuvette Holders: Standard 3mL and 100<math>\mu</math>L</p>			
6	<p><b>Chloride Meter</b> <b>Specification:</b> Sample volume: 50 <math>\mu</math>l Duration of measurement: Approx. 30 seconds Reproducibility: <math>\pm 1</math> digits at 100 mmol/l Measurement display: 0 - 999 mmol/l Measurement range: 10 - 999 mmol/l Resolution: 1 mmol/l Integrated stirring; Magnetic stir bar PTFE Working temperature: 10-40 <math>^{\circ}</math>C; Power: 220 V (<math>\pm 30</math>V), 50/60 Hz, 40 VA</p>			
7	<p><b>Atomic Absorption Spectrometer</b> <b>Flame &amp; Furnace Mode</b> <b>D2 Back Ground Correction</b> <i>Includes:</i> <b>Flame System</b> <b>Heated Graphite Atomizer (HGA)</b> <b>D2 background correction</b> <b>AS furnace autosampler: 88 and</b> <b>148 sampling positions with 1 overflow container</b> <b>Fully Computer Controlled Flame Gas Flow</b> <b>Unique quick-change burner assembly module</b> <b>that requires no gas lines connection.</b> <b>10cm all-solid titanium burner head</b> <b>Burner chamber</b></p>			

S. No.	Description	Qty	Unit Price	Total
	<p><b>High sensitivity corrosion-resistant nebulizer(HSN) with its accompanying end-cap.</b></p> <p><b>Cooling System for Graphite Furnaces</b></p> <p><b>Automatic interchange of atomization sources like flame burner system and graphite furnace.</b></p> <p><b>Automatic optimization of flame or furnace position for convenience and repeatability of analysis.</b></p> <p><b>Fully automatic photometer settings for wavelength, slit width.</b></p> <p><b>8-lamp mount with built-in power supplies for ® cableless Lumina™ hollow cathode and patented electrodeless discharge lamps.</b></p> <p><b>Computer-controlled lamp selection</b></p> <p><b>Specifications:</b></p> <p><b>Monochromator:</b> Littrow design with motorized drive for automatic wavelength selection and peaking.</p> <p><b>Wavelength Range:</b> 190 – 900 nm. Diffraction grating: 1800 lines/mm blazed at 236 nm and 597 nm.</p> <p><b>Spectral Bandwidths:</b> User selectable automatic slit widths of 0.2, 0.7 and 2.0 nm at their optimized slit height.</p> <p><b>Detector:</b> Wide-range segmented solid-state detector, including a built-in low-noise CMOS charge amplifier array.</p> <p><b>Automatic Lamp Selection: 8-lamp mount with built-in power supplies for ® cableless Lumina™ hollow cathode and patented electrodeless discharge lamps.</b></p> <p><b>Computer-controlled lamp selection and alignment via WinLab32™ for AA software. Lamp elements and recommended operating currents are automatically recognized and set when using Lumina hollow cathode lamps.</b></p> <p><b>Background Correction</b></p> <p><b>Deuterium Arc Lamp :</b></p> <p>Built-in continuum source double-beam background correction using a high-intensity deuterium arc lamp.</p> <p><b>Flame Atomizer:</b></p> <p><b>Gas Controls:</b> Fully computer-controlled with oxidant and fuel monitoring. Keyboard-activated remoteignition system with air-acetylene. Acetylene flow is automatically adjusted prior to the oxidant change when switching to or from nitrous oxide-acetylene operation.</p> <p><b>Sample Introduction System:</b> Modular sample introduction system consisting of the quick-change spray chamber, burner head and nebulizer units.</p> <p><b>Alignment of the flame:</b> in the light beam is fully automatic, using a motorized burner mount for vertical and horizontal burner adjustment and automatic software-controlled self-optimization of the burner position.</p> <p>The optimization of the operating flame condition is also fully automatic and software controlled.</p> <p>The introduction system is equipped with a high-strength inert mixing chamber, angled to ensure proper drainage.</p> <p>There is a choice of high sensitivity corrosion-resistant plastic nebulizer or durable stainless steel nebulizer.</p> <p><b>Safety Functions:</b> Interlocks prevent ignition if the proper burner head, the nebulizer/end cap, or the burner drain system is not correctly installed; the liquid level in the drain vessel is incorrect; or gas pressures are too low. Interlocks also will automatically shut down burner gases if a flame is not detected, or if any of the other interlock functions are activated. Provision is included for safe shutdown from all operating modes in the event of a power failure.</p> <p><b>Electrical Protection:</b> As defined in EN 61010-1; Insulation Class I; Installation Category II; Pollution Degree 2.</p>			

S. No.	Description	Qty	Unit Price	Total
	<p><b>Certification:</b> Designed and tested to be in compliance with the legal requirements for laboratory instruments. The instrument is developed and produced in compliance with ISO 9001 and ISO 13485. WinLab32 for AA software provides required control parameters for GLP and instrument performance validation.</p> <p><b>Safety Standards:</b> EN 61010-1, EN 61010-2-061, CSA C22.2 No. 1010.1, CSA C22.2 No. 1010.2.061. The instruments bear the CE Mark and the CSA/NRTL Certification Mark.</p> <p><b>EMC Standards:</b> EN 61326, EN 55011, EN 61000-3-2, EN 61000-3-3.</p> <p><b>Environmental Requirements:</b> Ambient temperature: +10 °C to +35 °C. Relative humidity: 20 to 80% non-condensing.</p> <p><b>Power Requirements:</b> 230V (±10%), 50/60 Hz (±1%); approx. 140 VA maximum power consumption</p> <p><b><u>Furnace Specifications:</u></b></p> <p><b>Analytical programs:</b> with up to 12 steps can be set up. Each step can be programmed with the following parameters:</p> <p><b>Temperature: Ambient up to 2600 °C (up to 2700 °C with ) in steps of 10 °C</b></p> <p><b>Ramp Time :</b> 0 to 99 s in steps of 1 sec</p> <p><b>Hold Time:</b> 0 to 99 s in steps of 1 sec</p> <p><b>Internal Gas Flow:</b> 0 mL/min (gas stop), 50 mL/min (mini-flow), 250 mL/min (full flow); can be switched over to another type of gas (alternate gas).</p> <p><b>Furnace Opening and Closing:</b> Pneumatically-operated by software command.</p> <p><b>Required Inert Gas Argon</b> – inlet pressure 300 kPa (3 bar) minimum. Maximum gas consumption is 700 mL/min.</p> <p><b><u>Furnace Autosampler:</u></b></p> <p><b>Sampler Table:</b> Installed in front of the furnace unit. Removable sample tray with 88 and 148 sampling positions for sample and reference solutions and 1 overflow container for pipette washing. Minimum sample requirement: Ca. 0.1 mL.</p> <p><b>Dispensable Volume Sample and Reagent:</b> 1-99 µL, selectable in increments of 1 µL.</p> <p><b>Max. dispensable volume:</b> is 99 µL (sample volume + reagent volume).</p> <p><b>Flushing volume:</b> is fixed at 1.3 mL.</p> <p><b>Electronics:</b> The autosampler is powered from the spectrometer and is software-controlled.</p> <p><b><u>Cooling System:</u></b></p> <p>Self-priming recirculating system with fan-assisted heat exchanger for constant cooling of the graphite furnace. Water temperature during operation approx. 36 °C; water flow 2.5 L/min.</p> <p><b>Power Requirements:</b> 230V (±10%), 50/60 Hz (±1%); approx. 140 VA maximum power consumption</p> <p><b>Certification:</b> Designed and tested to be in compliance with the legal requirements for cooling systems.</p> <p><b><u>Data Handling System:</u></b></p> <p><b>Data Control System:</b> Complete PC control using WinLab32 for AA software operating under the Microsoft® Windows® 7. Provides complete control of the instrument and its major accessories plus data handling and storage.</p> <p><b>Data Handling:</b> Instrument readings linear in absorbance (-0.500 A to +2.000 A), concentration or emission intensity with continuously variable scale expansion from 0.01 to 100 times</p> <p><b>Integration time:</b> operator-selectable from 0.1 to 60 sec in increments of 0.1 sec.</p> <p><b>Reading modes:</b> include time-averaged integration, non-averaged</p>			

S. No.	Description	Qty	Unit Price	Total
	<p>integration (peak area), and peak-height measurement. Includes built-in statistics. Up to fifteen (15) standards and a choice of proven calibration equations. Reslope of the analytical curve using a single operator-selected calibration standard. Built-in Ethernet interface for computer connection and use of optional accessories. Data collection time of up to 20 mins. <b>Electrodeless Discharge Lamps:</b> are usually much brighter than the corresponding hollow cathode lamps and are preferred for detection limit or high precision analyses or analyses which are "noisy" due to weak hollow cathode lamp emission. Electrodeless Discharge Lamps (EDLs) are designed to be physically interchangeable with Intensitron Hollow Cathode Lamps. <b>Lamp Coding:</b> Lumina hollow cathode lamps include internally coded information on the element(s) in the lamp, recommended operating currents and other useful information for instruments capable of reading those codes <b>Connectors:</b> Lumina hollow cathode lamps have specially designed "cable-less" connections for direct installation in AAnalyst series AA instruments. Atomic Spectroscopy Software Complete PC control using software operating under the Microsoft Windows 7.® Provides complete control of the instrument and its major accessories plus data handling and storage Offline allows you to create methods, enter sample information, review or reprocess data, all without interrupting the active analysis. Retrieval of results from stored data. Cookbook is available in the software for on-line use and method development. Table for Recommended Conditions: Table provides suggested analytical parameters such as wavelength, slit, sensitivity, matrix modifier and characteristic mass. The extensive information is invaluable when selecting starting conditions for method development. It provides all the basic functionalities of a flame AA analysis including choice of element, recall the stored Methods, choice of wavelengths, operating conditions, control of operating parameters, setting up of lamps, Sample information, use of dilution factors, use of a standard auto sampler, automatic saving of Analysis results and Methods, reporting and automatic printing of calibration Curves together with the calibration equation, correlation coefficients, intercepts, variation of measured from entered calibration standards concentration Transferring and exporting data from to applications like Microsoft ® Excel, TIBCO Spotfire ® or LIMS. Results are automatically stored in the Data Manager and can be printed using standard templates On-line Help functions are available. <u>AIR ACETYLENE BURNER</u> 10 cm solid titanium burner head for air acetylene operation <b>Air Dryer Filter Assembly</b> <b>Acetylene Filter</b> <u>Nitrous Oxide Burner Head</u> Required when using nitrous oxide-acetylene flames for the determination of refractory metals. Can also be used with air-acetylene flames. Can be rotated 90° in the sample compartment. <b>Nitrous Oxide Pressure Regulator with Heating Sys.</b> <b>Graphite Tubes Integrated Platform Pkg.5</b> <b>NITROUS OXIDE PRESSURE REG</b></p>			

S. No.	Description	Qty	Unit Price	Total
	<b>HOSE ASSY-Acetylene(Red)</b> <b>HOSE ASSY-Acetylene(Black)</b> <b>Acetylene Gas Cylinder and Regulator</b> <b>Argon Cylinder and Regulator</b> <b>Nitrous Oxide Gas Cylinder</b> <b>Nitrous Oxide Gas Cylinder</b> <b>Branded Core I 3 PC+18.5"LCD</b> Processor: Intel Core i3 8100 (8 <sup>th</sup> Gen); Memory: 4GB DDR RAM; Hard Disk: 1TB SATA II; Optical Drive: DVD Writer SATA; Chassis: Mini Tower Casing; Keyboard: USB; Mouse: USB Optical; Display: 18.5" LED wide screen <b>Hp Printer</b> HP Laser Jet Pro M402dn (Or equivalent)			

### **TERMS & CONDITIONS**

- The Procuring Agency may reject all bids at any time prior to the acceptance of a bid under SPP-Rules, 2010 (amendment up to date).
- 2% Bid Security should be deposited on the total cost of the quoted amount with the bidding documents in shape of pay order drawn in-favor of University of Karachi.
- Bids not accompanied by the 2% Bid Security will not be considered.
- Copies of the Sales Tax Registration, Sindh Revenue Board (S.R.B.) and NTN are to be attached with the bidding documents.
- The quoted rates shall be inclusive all applicable Govt. Taxes and charges.
- Procurement Committee shall finalize the bids in light of SPP Rules, 2010 (amendment up to date).
- The bidders are requested to submit their bids along with the bid validity period.
- Complete details specification/information to be provided about the products and firm by the bidder.
- Rates shall be quoted in Pak rupees.
- The method of procurement is open competitive bidding single stage one envelop procedure.
- The bids shall be evaluated on the following criterion.
  - Lowest evaluated bid in terms of Value for Money.
  - As per specifications mentioned in the bidding document
- The rates to be quoted shall be filled in the bidding documents mandatorily.
- The successful bidders who fail to execute the contract shall be liable to forfeiture of their bid security as penalty.
- The last date of issuance of bidding document is 31-10-2018 at 4:30 p.m.
- The last date of receipt of bidding document is 01-11-2018 at 11:30 a.m. The bids shall be opened on the same day at 12:00 noon in presence of the bidders who may wish to be present.
- In case of any holiday or disturbance the bids shall be opened on the next working day as per the same schedule.
- The Tender Notice shall be available on the Official website [www.ppra.org.pk](http://www.ppra.org.pk); [www.pprasindh.gov.pk](http://www.pprasindh.gov.pk) as well as Procuring Agency's website [www.uok.edu.pk](http://www.uok.edu.pk)

**Total Amount** \_\_\_\_\_

**(Rupees** \_\_\_\_\_ **Only)**

**(Total Earnest Money Rs.** \_\_\_\_\_ **)**

SIGNATURE OF THE PROPRIETOR  
AND RUBBER STAMP OF THE COMPANY

# Instruction to Bidders (ITB)

## Preparation of Bids

- 1. Scope of Work** The *University of Karachi* plans to develop / acquire a comprehensive integrated solution for all the functional needs and requirements of *Procurement of Laboratory Equipments* as described in later pages.
- 2. Method and Procedure of Procurement** National Competitive Bidding Single Stage *Single Envelope* Procedure as per SPP Rules 2010 (updated 2013)
- 2. Language of Bid** The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Procuring Agency, shall be written in English language
- 3. Documents Comprising the Bid** The bid prepared by the Bidders shall comprise the following components:
  - (a) Price Schedule completed in accordance with ITB Clauses 4, 5 and 6.
  - (b) Bid security furnished in accordance with ITB Clause 9.
- 4. Bid Prices**
  - 4.1 The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total bid price of the *Procurement of Laboratory Equipments* it proposes to supply under the contract.
  - 4.2 The prices shall be quoted inclusive of all taxes, stamps, duties, levies, fees and installation and integration charges imposed till the delivery of services specified in the Schedule of Requirements. No separate payment shall be made for the incidental services.
  - 4.3 Prices quoted by the Bidder shall remain fixed during the Bidder's performance of the contract and not subject to variation on any account, unless otherwise specified in the Bid Data Sheet.
  - 4.4 Prices shall be quoted in Pak Rupees unless otherwise specified in the Bid Data Sheet.
- 5. Bid Form** The Bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating the *Procurement of Laboratory Equipments* to be supplied.
- 6. Bid Currencies** Prices Shall be quoted in Pak Rupees.
- 7. Documents Establishing Bidder's Eligibility and Qualification** The Bidder shall furnish, as part of its bid, documents establishing the Bidder's eligibility to bid and its qualifications to perform the contract if its bid is accepted.
  - (a) That the Bidder has the financial and technical capability necessary to perform the contract;
  - (b) That the Bidder meets the qualification criteria listed in the Bid Data Sheet.

**8. Documents**  
“Procurement of Laboratory Equipments”  
**Eligibility and Conformity to Bidding Documents**

The documentary evidence of conformity of the *Procurement of Laboratory Equipments* to the bidding documents may be in the form of literature and data.

**9. Bid Security**

9.1 The bid security is required to protect the Procuring agency against the risk of Bidder’s conduct, which would warrant the security’s forfeiture

The bid security shall be denominated in the currency of the bid:

- (a) 2% Bid Security should be deposited with the bid;
- (b) be submitted in its original form; copies will not be accepted;
- (c) remain valid for a period of at least 14 days beyond the original validity period of bids, or at least 14 days beyond any extended period of bid validity

9.2 Bid securities shall be released to the unsuccessful bidders once the contract has been signed with the successful bidder or the validity period has expired.

9.3 The successful Bidder’s bid security shall be discharged upon the Bidder signing the contract, and furnishing the performance security.

9.4 The bid security may be forfeited:

- (a) if a Bidder withdraws its bid during the period of bid validity or
- (b) in the case of a successful Bidder, if the Bidder fails:
  - (i) to sign the contract in accordance

**10. Period of Validity of Bids**

10.1 Bids shall remain valid for the period specified in the Bid Data Sheet after the date of bid submission prescribed by the Procuring agency. A bid valid for a shorter period shall be rejected by the Procuring agency as non responsive.

10.2 In exceptional circumstances, the Procuring Agency may solicit the Bidder’s consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The bid security shall also be suitably extended as per Rule-38 of SPP Rules, 2010 (updated 2013). 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.

**11. Format and Signing of Bid**

11.1 The Bidder shall prepare an original bid indicated in the Bid Data Sheet, clearly marking each “ORIGINAL BID”.

11.2 The original and bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the contract. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid.

11.3 Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

## **Submission of Bids**

- 12. Sealing and Marking of Bids**
- 12.1 The Bidder shall seal the original envelopes, duly marking the envelopes as “ORIGINAL BID”. The outer envelopes shall be addressed to the Procuring agency at the address given in the Bidding Documents, and carry statement “DO NOT OPEN BEFORE [01-11-2018].
- 12.2 If the outer envelope is not sealed and marked as required, the Procuring Agency shall assume no responsibility for the bid’s misplacement or premature opening.

- 13. Deadline for Submission of Bids**
- 13.1 Bids must be received by the Procuring Agency at the address specified in Bidding Documents, not later than the time and date specified in the Bid Data Sheet.
- 13.2 The Procuring Agency may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents. In such case all rights and obligations of the Procuring agency and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

- 14. Late Bids**
- Any bid received by the Procuring Agency after the deadline for submission of bids prescribed by the Procuring agency shall be rejected and returned unopened to the Bidder.

- 15. Modification and Withdrawal of Bids**
- 15.1 The Bidder may modify or withdraw its bid after the bid’s submission, provided that written notice of the modification, including substitution or withdrawal of the bids, is received by the Procuring agency prior to the deadline prescribed for submission of bids.
- 15.2 No bid may be modified after the deadline for submission of bids.
- 15.3 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiry of the period of bid validity. Withdrawal of a bid during this interval may result in the Bidder’s forfeiture of its bid security.

## **Opening and Evaluation of Bids**

- 16. Opening of Bids by the Procuring agency**
- 16.1 The Procuring agency shall open all bids in the presence of bidders’ representatives who choose to attend, at the time, on the date, and at the place specified in the Bid Data Sheet. The bidders’ representatives who are present shall sign a register/attendance sheet evidencing their attendance.
- 16.2 The bidders’ names, bid modifications or withdrawals, bid prices, discounts, and the presence or absence of requisite bid security and such other details as the Procuring agency may consider appropriate, will be announced at the opening.

- 17. Clarification of Bids**
- During evaluation of the bids, the Procuring agency may ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted.

**18. Preliminary Examination**

- 18.1 The Procuring agency shall examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- 18.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If the Supplier does not accept the correction of the errors, its bid will be rejected, and its bid security may be forfeited. If there is a discrepancy between words and figures, the amount in words will prevail.
- 18.3 Prior to the detailed evaluation, the Procuring agency will determine the substantial responsiveness of each bid to the bidding documents. A substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. Procuring agency's determination of a bid's responsiveness is to be based on the contents of the bid itself.
- 18.4 If a bid is not substantially responsive, it will be rejected by the Procuring agency and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

**19. Evaluation and Comparison of Bids**

- 19.1 The Procuring agency will evaluate and compare the bids which have been determined to be substantially responsive.
- 19.2 The Procuring agency's evaluation of a bid will be on delivery to consignee's end inclusive of all taxes, stamps, duties, levies, fees and execution charges imposed till the delivery location.

**20. Contacting the Procuring agency**

- 20.1 No Bidder shall contact the Procuring agency on any matter relating to its bid, from the time of the bid opening to the time of announcement of Bid Evaluation Report. If the Bidder wishes to bring additional information to the notice of the Procuring agency, it should do so in writing.
- 20.2 Any effort by a Bidder to influence the Procuring agency in its decisions on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder's bid.

**21. Post-qualification**

- 21.1 In the Procuring agency may determine to its satisfaction whether that selected Bidder having submitted the lowest evaluated responsive bid is qualified to perform the contract satisfactorily.
- 21.2 The determination will take into account the Bidder's financial and technical capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 7 as well as such other information as the Procuring agency deems necessary and appropriate.
- 21.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in

which event the Procuring agency will proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

- 22. Award Criteria** The Procuring agency will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.
- 23. Procuring agency's Right to Accept any Bid and to Reject any or All Bids**
- 23.1 Subject to relevant provisions of SPP, Rules, 2010 (amended 2013), the Procuring agency reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award.
- 23.2 Pursuant to Rule 45 of SPP Rules 2010 (updated 2013), Procuring agency shall hoist the evaluation report on Authority's web site, and intimate to all the bidders seven days prior to notify the award of contract.
- 24. Notification of Award** Prior to the expiration of the period of bid validity, the Procuring agency shall notify the successful Bidder in writing, that its bid has been accepted.
- 25. Signing of Contract**
- 25.1 At the same time as the Procuring agency notifies the successful Bidder that its bid has been accepted, the Procuring agency will send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the parties.
- 25.2 Within the period specified in BDS, of receipt of the Contract Form, the successful Bidder shall sign and date the contract and return it to the Procuring agency.
- 26. Performance Security** Failure of the successful Bidder to comply with the requirement of ITB Clause 25 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Procuring agency may make the award to the next lowest evaluated Bidder or call for new bids.
- 27. Corrupt or Fraudulent Practices**
- 27.1 The Government of Sindh requires that Procuring agency's (including beneficiaries of donor agencies' loans), as well as Bidders/Suppliers/ Contractors under Government-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the SPPRA, in accordance with the SPP Act, 2009 and Rules made thereunder:
- (a) **"Corrupt and Fraudulent Practices"** means either one or any combination of the practices given below;
- a. **"Coercive Practice"** means any impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;
- b. **"Collusive Practice"** means any arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;

- c. **“Corrupt Practice”** means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;
  - d. **“Fraudulent Practice”** means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
- (b) **“Obstructive Practice”** means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights provided for under the Rules.

## Bid Data Sheet

The following specific data for the *Procurement of Laboratory Equipments* to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

<b>Introduction</b>	
<b>ITB 1</b>	<b>Name and address of Procuring Agency:</b> <i>University of Karachi, Karachi.</i>
<b>ITB 1</b>	<b>Name of Contract.</b> <i>“Procurement of Laboratory Equipments”</i>
<b>Bid Price and Currency</b>	
<b>ITB 4</b>	Prices quoted by the Bidder shall be <i>“fixed” and in” Pak Rupees”</i>
<b>Preparation and Submission of Bids</b>	
<b>ITSB 19</b>	<i>Qualification requirements:</i>  <ol style="list-style-type: none"> <li>1)     NTN</li> <li>2)     Sales Tax</li> <li>3)     Registration with SRB for works &amp; services</li> <li>4)     Minimum three years’ experience relevant field</li> <li>5)     Turnover of at least last three years</li> </ol>
<b>ITB 7</b>	<b>Amount of bid security.</b> As per SPP –Rules, 2017, Clause 37(1)
<b>ITB 8</b>	<b>Bid validity period.</b> 90 days
<b>ITB 10</b>	<b>Number of copies.</b> <i>One Original</i>
<b>ITB 19.1</b>	<b>Deadline for bid submission.</b> <i>01-11-2018 at 11:30 hours</i>
<b>ITB 20</b>	<b>Bid Evaluation:</b> <ul style="list-style-type: none"> <li>○ Lowest evaluated bid in terms of Value for Money.</li> <li>○ As per specifications mentioned in the bidding document.</li> </ul>
	<b>Under following conditions, Bid will be rejected:</b> <ol style="list-style-type: none"> <li>1. Conditional tenders/bids;</li> <li>2. Bids not accompanied by bid security (Earnest Money);</li> <li>3. Bids received after specified date and time;</li> <li>4. Bidder submitting any false information;</li> <li>5. Black Listed Firms by Sindh Government or any entity of it</li> </ol>

**SUMMARY SHEET**  
**TENDER NOTICE**

<b>S. No.</b>	<b>Bid Value</b>	<b>Price in PKR</b>

<b>Total Bid Value in PKR</b>		
<b>Earnest Money @ 2% in PKR</b>		
<b>Pay Order/Demand Draft No:</b>		<b>Date:</b>
<b>Signature :</b>	<b>Seal :</b>	