

**H.E.J. RESEARCH INSTITUTE OF CHEMISTRY**  
**INTERNATIONAL CENTER FOR CHEMICAL AND BIOLOGICAL SCIENCES**  
**UNIVERSITY OF KARACHI**  
**KARACHI-75270**

**RE-TENDER NOTICE NO. HEJ/ICCBS/STRP-190917(3<sup>rd</sup> Time).**

Sealed tenders are invited from the sales tax registered and income tax registered firms (where applicable) for purchase/import of “**Machinery / Equipment**” under the project entitled “**Strengthening of Research Programs at HEJ Research Institute of Chemistry**” on *C&F Basis* and on *Single-Stage One -Envelope* procedure basis for the Center.

The tender documents can be collected from Purchase Office of the Center, on any working day between 9:00 a.m. to 12:30 p.m., from **31-08-2017** or from the date of publication of this advertisement in the newspapers or notification of this advertisement on the websites, on payment of Rs. 500/- (non-refundable), in shape of a Pay Order (Demand Draft by the out of Karachi suppliers), in favor of the **Director – H.E.J.**, or downloaded from the websites [www.iccs.edu](http://www.iccs.edu), [www.pprasindh.gov.pk](http://www.pprasindh.gov.pk). The last date of issuing the tender documents is **18-09-2017**. The tenders can be submitted with 2% of the bid value as earnest money in shape of a Pay Order in favor of the **Director – H.E.J.**, latest by 02:30 p.m. on **19-09-2017**. The tender will be opened in Meeting Room of the Center at 03:00 p.m. on the same day in presence of the bidders or their representatives. Alternate Bids / Options should accompany separate earnest money Pay Orders along-with bidding documents. The Procuring Agency may reject all or any bid subject to the relevant provision of SPP Rule No. 25.

For any information and detail:

**Purchase & Store Dept.**

Tel # 34819011; 111-222-292 (109, 108)

Email address: store.iccs@hotmail.com

**DIRECTOR**

**INTERNATIONALCENTER FOR CHEMICAL AND BIOLOGICAL SCIENCES**

**UNIVERSITY OF KARACHI  
KARACHI-75270**

**Contact Person :**

**Dr. Farzana Shaheen**

Lab No. : 211 UAN No. : 111-222-292 (Ext. 241)

I.C.C.B.S., University of Karachi.

S. No.	Item's Name	Item's Descriptions	Quantity	Estimated Rate (Rs.)
1.	Bio Rad Electrophoresis System or Equivalent	<p>Cat No. 165-8029 Mini-Protean Tetra Cell System and Mini Trans-bolt module 10 well, 1.0 mm thickness, 4 gel System includes 5 combs, 5 sets of glass plates, 2 casting stands, 4 casting frames, Sample loading guide, electrode assembly, companion running module, tank, lid with power cables, mini cell buffer dam</p> <p>Cat No. 165-3310 Spacer plates with 0.75 integrated spacers</p> <p>Cat No. 165-3354 Mini – Protean combs 0.75 mm (5)</p> <p>Cat No. 162-0177 Immun-Blot PVDF for Western blotting 26 cm x 3.3 m, 1 roll</p> <p>Cat No. 170-3932 Thick blot paper 50 sheets</p> <p>Cat No. 164-5050 Power Supply</p> <p>Cat No. 1704466 Biorad Mini – sub cell GT System</p> <p>Cat No. 1704405 Biorad wide Mini-sub cell GT system</p> <p>Cat No. 1703940 Semi-Dry Electrophoretic Transfer Cell</p>	02	12000 \$ each
2.	Pipette Set	<p>Pipettes Eppendroff or Equivalent</p> <p>0.1- 2.5 µL cat # 4920 000.016</p> <p>0.5 – 10 µL cat # 4920 000.024</p> <p>2 –20 µL cat # 4920 000.032</p> <p>20 –200 µL cat # 4920 000.067</p> <p>100 –1,000 µL cat # 4920 000.083</p> <p>0.5 –5 mL cat # 4920 000.105</p> <p>1 –10 mL cat # 4920 000.113</p>	01	2000\$
3.	Electronic Balance	Sartorius TE313S-DS or equivalent	04	1500\$ Each

4.	Desiccator Cabinets Unit	<p>Vacuum Desiccator is constructed of moulded fiber glass reinforced polyester. Nine shelf supports are moulded into the walls of the cabinet on 1" (25mm) centres.</p> <ul style="list-style-type: none"> <li>• Side hinged door frame is constructed of epoxy-coated cold rolled steel.</li> </ul> <p>Clear 3/8" (9.5mm) tempered safety glass window is mounted in the door and is fully gasketed. Door lock has polished chrome finish. Brass needle. Valve has barbed tip and is designed for 1/4" (6.4mm) ID vacuum tubing.</p> <ul style="list-style-type: none"> <li>• The cabinet is vacuum tested to a full vacuum of 29 inches of mercury.</li> </ul> <p>Includes two 12" (30.5cm) square aluminium shelves with twelve 7/8" (22mm) holes to support crucibles, stainless steel pan for granular desiccant (desiccant not included) and epoxy-coated steel wire support stand.</p> <ul style="list-style-type: none"> <li>• To place one Desiccator Cabinet on top of another, an optional epoxy-coated steel Stacking Rack is available.</li> <li>• A vacuum source is required.</li> <li>• Capacity – 14 L &amp; above pprox..</li> <li>• Vacuum Tubing Kit, includes 1/4" ID and 1/2" ID vacuum tubing, each 48" long; 2 each 1/4" and 1/2" tubing clamps; 1/4" to 1/2" barbed reducer.</li> <li>• Stacking Rack, epoxy-coated steel.</li> <li>• Two Shelves, aluminium 12" (30.5 cm) square, with twelve 7/8" (22 mm)holes.</li> <li>• Desiccant Pan, stainless steel, 11" (27.9 cm) square x 7/8" (2.2 cm) deep.</li> </ul> <p>Support Stand, epoxy-coated steel wire frame.</p> <p>Includes: Tray for silica gel, two clear polystyrene shelves with vent holes.</p>	02	2000\$ Each
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		<p>Warranty: Three years</p> <p>#Five years maintenance contract after expiration of manufacturer warranty</p> <p><b>Made: USA, UK, or Germany only</b></p>		
5.	Liquid Nitrogen Dewar with supply tank	<p>Liquid Nitrogen Dewar with trolley Thermo Scientific cat # CY509106 or equivalent</p> <p>Liquid nitrogen supply tank with trolley cat # 8127 thermo scientific or equivalent</p>	02	9000\$ Each
6.	Sonicator	<p>Sonicator,</p> <p>Sonics Vibra cell Model: VCX130BC or equivalent</p>	01	3000 US\$,
7.	Microscope Fluorescent with photography attachment	<p><b>Upright Research Microscope with Fluorescence attachment</b></p> <ul style="list-style-type: none"> <li>· Microscope main stand: Mains stand for Biology &amp; Medicine for transmitted light 100W illumination, height adjustable of focus knobs, stage carrier and centrable condenser holder for vertical adjustment, right &amp; left-hand operation and clamp screw, adjustable height stop. Mains 90-250V, commutable 50/60Hz.</li> <li>· Focus Drive (Z): 3 steps focus drive Course Medium Fine focusing, adjustable focus stop and focus torque adjustment, focus knobs.</li> <li>· Objective Nose piece: 7 Positioned Pre Centered par focal objective nosepiece having M25 Thread.</li> <li>· Fully motorized Microscope stage: Ergo Stage for right or left hand operation with Ultra Hard ceramic surface, travel range 76mm x 25mm with vernier reading &amp; X/Y stage control.</li> <li>· Slide Holder: Slide holder for ergo stages for one hand slide exchange.</li> <li>· Plate holder: Suitable to hold multiwall as well as single 35 mm tissue culture plates.</li> <li>· Observation Tube: Binocular Phototube HCL2TU 4/5/7</li> </ul>	01	75,000\$

with image erection, with fixed photo tube and tube lens

00/1x, with viewing angle 20°, inter-pupillary adjustment 55-75 mm, constant focus, beam splitter position 0/100%, 100/0% and field of view 25.

· Transmitted light source: Lamp housing 107/2, with lamp mount for halogen lamp 12V 100W non adjustable, 1-lens collector and heat protection filter, mains cable 0.55m.

· Transmitted light lamp: 12V 100W tungsten halogen lamp.

Equivalent LED illumination is also acceptable.

· Condenser: Condenser Ach. A0.9(P) with switchable condenser head, with color coding, for BF, DF, DH & Pol.

· Eyepiece: Eyepiece pair HC PLAN 10x/22 Br.M

· Immersion Oil: Immersion Oil 518C ISO 8036/1; 20ml

· **Objectives:**

· Suitable objectives for bright field, DIC, polarize and fluorescence applications.

Ø HI PLAN 4x/0.10 SL/FWD: 18.0mm for the use with / without Cover Synchronized Brightness

Ø HI PLAN 10x/0.25 SL FWD: 12.0 MM for use with and without Cover Gs. Synchronized Brightness

Ø HI Plan 40x/0.65 Cover glass: 0.17 / ICT upright with M25 thread FWD: 0.36

Ø HI PLAN 100x/1.25 OIL FWD: 0.10 mm. For use with a 0.17 mm Cover Gs (DIN/ISO) Fluorescence suitable

· **Optional Objectives:**

Ø N Plan 10x/0.25, -/B, with M25 thread FWD 17.6

Ø N PLAN 10x/0.25 PHI, -/B, FWD 17.6 with Phase I ring Ø N PLAN 40x/0.65PH2/ Cover gs: 0.17/ICT with Phase II ring

· Measuring graticule: Graticule 10mm = 200 div.

One 14

**Reflected light Fluorescence attachment**

· Reflected light illuminator: Fluorescence illuminator 5-fold, Color coded and centrable iris aperture and field

diaphragm. Filter magazine for 4 light filters 32 mm

diameter. Slots for polarizer/ analyzer. Daylight filters, 32mm.

· Light source for Fluorescence: Lamp housing 107/2, with lamp mount for halogen lamp 12V 100W non adjustable, 1-less collector and heat protection filter, mains cable 0.55m with 12V 100W tungsten halogen lamp or LED illumination.

· Power supply for Fluorescence: Lamp power, stabilized, AC

– input range: 90-250V AC / 50/60 Hz. DC output

voltages. Adjustable from 2.5V up to 12V, ambient

temperature range; +5-60oC, protected for short out and open output connector.

· UV Filter: Filter system A for UV excitation, excitation

filter: BP 340-380/, dichromatic mirror: 400, suppression

filter: LP; Should be able to detect fluorochromes like

DAPI, Hoecht.

· Blue filter: Filter system I3 for blue excitation, excitation

filter: BP 420-490, dichromatic mirror: 510, suppression

filter: LP; Should be able to detect fluorochromes like

Alexa488, GFP, FITC etc.

· Green filter: BP 515-560; should be able to detect

fluorochromes like Alexa594, Texas Red, TRITC, PI, PE etc.

**Mega Pixel Fluorescence sensitive Color Digital Camera**

**System with Fire wire Interface**

- Camera resolution: 15.0 Mega pixels with Grade Zero sensor
- Pixel Size: Pixel size 2.78 micron square
- Color Depth: 36 bit Color depth
- Exposure Time: Exposure time 0.2 millisecond to 60
- Scanning: Progressive scanning
- A to D Conversion: 12 bit A/D conversion
- Speed: Max. 5 Frames per second @ 2592 x 1944 resolution
- Interface: Single cable Fire wire IEEE1394a 6-pin
- Control Software: Twain Software for PC
- Camera connection: PCI interface card, FireWire
- C-Mount adapter: Video objective 0.7 x or 0.55x for Trinocular or video/photo tubes

**Software Module for Interactive Measurement**

- Interactive Measurement Module: Interactive Measurement Module Using the mouse, measurements made by manually drawing on selected image,. Types include – Linear distance, Curved length, Area, Count, Grey level. All measurements shown in real units. Width and color of drawn lines can be adjusted and labeled with measurements. Grouping so that objects that consist of multiple fragments are measured as one. Results can apply to a single image or can be accumulated over 15 multiple images. Tracing can be stored and recalled for remeasurements by editing. Results can be assigned to userdefined cases (user defines name, color code). Results are displayed individually and as a statistical summary in tabular form. Measurement data can be exported MS Excel or Word or saved in Ascii File. Save/recall measurement configurations to named files.
- A suitable latest configuration computer set with printer

		suitable UPS for the entire system to be provided.		
8.	<b>Dessicator (Small)</b>	<ul style="list-style-type: none"> <li>· Should have Whisper Freeze Technology, powerful compressor to achieve fast ice production with the lowest noise level.</li> <li>· Should have robust temperature sensor; automatically switch off the ice production as soon as ice reaches the top of the bin.</li> <li>· Should have made up of stainless steel durable body.</li> <li>· Should have insulated bin to store ice for longer durations.</li> <li>· Should have CFC-free refrigerants.</li> <li>· Should come with one scoop.</li> <li>· Should have granular ice flakes.</li> <li>· Should have storage capacity 70 Kg.</li> <li>· Should have ice output per 24 Hours – 120 Kg.</li> <li>· Should have user friendly drain for defrost water.</li> <li>· Should have external dimension 600x300x500mm (WxDxH) and internal dimension 700x700x975mm (WxDxH).</li> <li>· Iron filter and water softener pre-filtering kits to be included</li> </ul>	01	1000\$
9.	<b>Vacuum Concentrator ( Freeze dryer)</b>	<p><b>(A)</b></p> <ul style="list-style-type: none"> <li>· Rotation Speed : <b>100 ~ 2000 rpm (step less, slow start)</b></li> <li>· Temp control range: <b>-300C to 950C</b></li> <li>· Temp. control : Thermister ON/OFF</li> <li>· Rotation setting : Dial setting</li> <li>· Safety feature : Overheat protector, Motor break (when lid open), circuit breaker</li> <li>· Heater : 140 W</li> </ul>	01	9000 Euro



		<ul style="list-style-type: none"> <li>· Motor : 40 W</li> <li>· Drive : Seal less magnetically coupled drive</li> <li>· Vacuum gauge : Bourdon type (-760 to 0 mm)</li> <li>· Nitrogen purge/air leak: Through 0.2 micron filter, port size 17 mm</li> <li>· Chamber material : SUS 304 (Stainless Steel)</li> <li>· Chamber port : Suction port size 17 mm</li> <li>· Chamber dimension : Ø 310 x 200H (mm)</li> <li>· Power: 220 VAC, 50 Hz.</li> </ul> <p>It comes complete with <b>Rotor</b></p> <ul style="list-style-type: none"> <li>· Tube size : Micro-tube OD 10.8mm (1.5ml~ 2.2ml)</li> <li>· Capacity: 96 pcs.</li> <li>· The motor should be located under the vacuum chamber and rotor id driven magnetically.</li> <li>· Should have vapour contact metal parts coated with acid resistant materials,</li> <li>· The concentrator should have nitrogen gas inlet is useful for the application of easily oxidized samples for DNA, Peptides &amp; Enzymes.</li> <li>· Membrane filter <b>0.3 micron</b> avoids contaminations when in taking air into chamber.</li> </ul> <p><b>(B) Refrigerated Cold Trap:</b></p> <ul style="list-style-type: none"> <li>· Condensing capacity: Max. 0.5 Kg. water</li> <li>· Lowest Temp.: -50C</li> <li>· Safety feature: Breaker, overload relay for compressor</li> <li>· Refrigeration unit ; 300W air cooled type</li> </ul>		
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- Defrost : Built in
  - Service AC output: Max. 4A for vaccum pump
  - Trap dimension : Ø 90 x 225D (tabili. 1.4L)
  - Power: 220VA, 50 Hz., It comes complete with Lid with I/O nozzle.
- © Vaccum Pump :**
- Ultimate Pressure :  $5 \times 10^{-4}$  Torr (tabili)
  - Pumping speed: 50L/min.
  - Motor output : 200 W
  - Oil capacity: 550 – 700 ml.
  - Safety feature: Thermal protector, check valve, Oil filter
  - Power source: 220V AC, 50 Hz.
  - With oil mist filter OMT -050A & Oil Can \$L SMR – 100
- (D) Low Temp. Circulator :** ( to be attached with Vacuum concentrator)
- Temp control range: **-300C to 950C**
  - Temp. control Accuracy :  $\pm 0.10C$
  - Cooling capacity : 200 W
  - Circulation: 5L/min.
  - Temp. control : Microprocessor controlled PID
  - Heater wattage: 500 W, SUS 316
  - Parameter display/setting: Digital LED
  - Safety feature: Self diagnosis
  - Temp. sensor: Thermister
  - Bath dimension: 140W x 260D x 150H mm, 4L (tabili.)
  - Bath cover : Included
  - Aux. function: Auto start/stop with 0-99h 59 min.

		<p>timer, auto tuning, offset, external sensor input</p> <p>· Power : 100V AC, 800V A</p> <p>Extra trap and voltage stabilizer should be provided.</p> <p>All equipments should be CE, ISO 9001, ISO 13485 marked or equivalent</p> <p><b>Made: USA, UK, or Germany only</b></p>		
10.	<p>Media filtration</p> <p>System with pump</p>	<p><b>Vacuum / aspiration pumps</b></p> <p>Compact suction pump for with all accessories (suitable for cell culture)</p> <p>With 2 liter conical flasks</p> <p>Rubber corks/ adaptors and tubings</p> <p>Dimensions (approx): 11" L x 4-3/4" W x 8-3/4" H</p> <p>Vacuum: 3 Pa (8.86 x 10<sup>-4</sup> in Hg)</p> <p>Alternate: Bottletop aspirator that removes supernatants, cell culture media, and other liquids from dishes, flasks, culture bottles, centrifugation tubes, multiwell plates, and more.</p> <p>Small, portable, and does not require an external vacuum or power source. Plunger stroke (up to 25mL of aspiration). Autoclavable for Sterile Applications</p> <p>10 Mountable reagent bottles</p> <p>Woulff's bottle 500 ml with stop cock to control the vacuum.</p> <p>Rubber vacuum hose (1 meter x 2)</p> <p><b><u>SteriCup Filters Units</u></b></p> <p>Millipore cat # SCHVU05RE and SCHVU11RE or equivalent</p> <p>Quantity 3000 Pcs each</p>	01	

		Millipore cat # SCGPU10RE and SCGPU11RE or equivalent		
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		Quantity 3000 Pcs each		
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		<b><u>Syringe Filters</u></b>		
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		Millipore cat # SLGV033RB and SLHV033RB or equivalent		
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		Quantity 5000 Pcs each		
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**Estimated cost: Above 1.0 Million.**

## **Instructions to bidders**

### **Preparation of Bids**

- 1. Scope of Work**      The, I.C.C.B.S., plans to develop / acquire a comprehensive integrated solution for all the functional needs and requirements of MACHINERY / EQUIPMENT, as described in later pages.
  
- 2. Method and procedure of Procurement**      National Competitive Bidding **Single Stage One Envelop Procedure** as per SPP Rules 2010 (updated 2017)
  
- 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 the English language
  
- 3. Documents Comprising the Bid**      The bid prepared by the Bidder 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 equipment it proposes to supply under the contract.
  
  - 4.2      the prices shall be quoted on delivery to consignee's end inclusive of all taxes, stamps, duties, levies, fees and installation and integration charges imposed till the delivery location specified in the Schedule of Requirements. No separate payment shall be made for the incidental services.
  
  - 4.3      Prices quoted by the Bidder shall be 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. The conversion of the foreign currency in Pak rupees should be mentioned in case of C&F prices.
  
- 5. Bid Form**      The Bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating chemicals to be supplied, description of the chemicals and prices.
  
- 6. Bid Currencies**      Prices Shall be quoted in Pak Rupees (*after conversion from foreign currency*) when the prices are being quoted on C&F basis.
  
- 7. Documents Establishing Bidder's**      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.

**Eligibility and Qualification**

- (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.

The documentary evidence of conformity of the equipments to the bidding documents may be in the form of cat number, part number etc., and shall consist a detailed description of the essential technical and performance characteristics of the systems.

**8. Documents' Eligibility and Conformity to Bidding Documents**

**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) at the Bidder's option, be in the form of either demand draft/call deposit or an unconditional bank guarantee from a reputable Bank ;
- (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 or
  - (ii) to furnish performance security

**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 2017). 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 and the number of copies of the bid indicated in the Bid Data Sheet, clearly marking each “ORIGINAL BID” and “COPY OF BID,” as appropriate. In the event of any discrepancy between them, the original shall govern.
- 11.2 The original and the copy or copies of the 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 and each copy of the bid in separate envelopes, duly marking the envelopes as “ORIGINAL BID” and ONE COPY. The envelopes shall then be sealed in an outer envelope. The inner and outer envelopes shall be addressed to the Procuring agency at the address given in the BDS, and carry statement “**DO NOT OPEN BEFORE 19:00 P.M. on 19-09-2017.**”
- 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 BDS, 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 installation and integration 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.

## **Award of Contract**

- 21. Post-qualification**
- 21.1 In the absence of prequalification, 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 (updated 2017), 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 2017), 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**
- 24.1 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.
- 24.2 Upon the successful Bidder's furnishing of the performance security pursuant to ITB Clause 26, the Procuring agency will promptly notify each unsuccessful Bidder and will release their bid security.
- 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**

26.1 Within the period specified in BDS, of the receipt of notification of award from the Procuring agency, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the bidding documents, or in another form acceptable to the Procuring agency.

26.2 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 there under:

(a) **“Corrupt and Fraudulent Practices”** means either one or any combination of the practices given below;

(i) **“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;

(ii) **“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;

(iii) **“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;

(iv) **“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 MACHINERY / EQUIPMENT 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> International Center for Chemical and Biological Sciences, H.E.J. Research Institute of Chemistry University of Karachi Karachi-75270.
<b>ITB 1</b>	<b>Name of Contract.</b> <i>Purchase of MACHINERY / EQUIPMENT for the Center.</i>
<b>Bid Price and Currency</b>	
<b>ITB 4</b>	Prices quoted by the Bidder shall be <b><i>“fixed” and in C&amp;F prices.</i></b> <i>(The rates shall also be quoted in Pak rupees after conversion from foreign currency).</i>
<b>Preparation and Submission of Bids</b>	
<b>ITSB 19</b>	<b>Qualification requirements:</b> <ol style="list-style-type: none"> <li>1. Complete Company profile</li> <li>2. Valid Registration with tax authorities is required</li> <li>3. Relevant experience at least Six (06) Months.</li> <li>4. Rs. 100,000.00 Turn-over of at least last three years</li> </ol>
<b>ITB 7</b>	<b>Amount of bid security.</b> 2 % of Bid
<b>ITB 8</b>	<b>Bid validity period.</b> 90 days
<b>ITB-9</b>	<b>Performance Guarantee</b> 5% of the P.O. Value
<b>ITB 10</b>	<b>Number of copies.</b> One original One copy

<b>ITB 19.1</b>	<b>Deadline for bid submission.</b> 19-09-2017 at 02:30 P.M.
<b>ITB 20</b>	<b>Bid Evaluation:</b> Lowest evaluated bid
	<b>Under following conditions, Bid will be rejected:</b> <ol style="list-style-type: none"><li>1. Conditional and Telegraphic 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

### RE-TENDER NOTICE NO. HEJ/ICCBS/STRP-190917(3<sup>rd</sup> Time).

The tender will liable to be rejected, if this form will not accompany the tender bid / quote

Serial No.	Make & Country of Origin	Model No. / CAT No.	Bid Value	Foreign Currency (If applicable)	Conversion Rate (If applicable)	Price in PKR
1.						
2.						
3.						

Total Bid Value in PKR		
Earnest Money @ ____% in PKR		
Pay Order/Demand Draft No:		Date:

**SCHEDULE OF REQUIREMENTS**

<b>S. No.</b>	<b>Description of service / goods</b>	<b>Quantity</b>	<b>Required Delivery Schedule in Days from the Date of Contract Award</b>	<b>Location</b>
1	<i>Purchase / Import of MACHINERY / EQUIPMENT.</i>	As per tender document	12 weeks on C&F orders	I.C.C.B.S., Karachi



**Sample Forms**

Date: \_\_\_\_\_

To:

International Center for Chemical and Biological Sciences  
University of Karachi,  
Karachi-75270.

Dear Sir:

Having examined the bidding documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to develop and deliver the required system in conformity with the said bidding documents for the sum of *[total bid amount in words and figures]* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to develop the system in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we will obtain the guarantee of a bank in a sum equivalent to **Five (5) percent** of the Contract Price/Pay order for the due performance of the Contract, in the form prescribed by the Purchaser.

We agree to abide by this Bid for a period of 90days from the date fixed for Bid opening under Clause 16 of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 2017\_\_\_\_\_

\_\_\_\_\_  
[signature]

\_\_\_\_\_  
[in the capacity of]

Duly authorized to sign Bid for and on behalf of \_\_\_\_\_

To: *[name of Procuring agency]*

WHEREAS *[name of Supplier]* (hereinafter called “the Supplier”) has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated \_\_\_\_\_ 2017 to deploy *[description of goods and 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.

This guarantee is valid until the \_\_\_\_ day of \_\_\_\_\_ 2017 \_\_\_\_\_

Signature and seal of the Guarantors

\_\_\_\_\_  
*[name of bank or financial institution]*

\_\_\_\_\_  
*[address]*

\_\_\_\_\_  
*[date]*