

**BOARD OF MANAGEMENT SUNDAR INDUSTRIAL
ESTATES RAIWAIND ROAD LAHORE (BOM-SIE)**

Bidding Documents

For

“SUPPLY OF LAB EQUIPMENT FOR CETP”

Contract # ED/SIE/CAPITAL/2025-26/SLE

Volume I : Bidding Documents

May 26

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Section-I: Invitation to Bids

INVITATION FOR BIDS

1. BOM-SIE invites sealed bids for **SUPPLY OF LAB EQUIPMENT CETP AT BOM-SIE** “**Estimated Cost of Rs. 9,447,680/-** from Suppliers / Distributers / Manufacturers/ Authorized dealers, Registered with FBR for Income Tax and Sales Tax having their name in the active TaxPayers list, in accordance with Public Procurement Regulatory Authority (PPRA) Punjab rules 2014, amended up to date on Single Stage One Envelope procedure2.
2. Bidding Documents are available on PPRA website:
www.ppra.punjab.gov.pk, BOM-SIE website www.sie.com.pk and EPADS Portal i.e. <http://punjab.eprocure.gov.pk> free of cost.
3. For bids submission on E-procurement, Bidders are requested to register at www.punjab.eprocure.gov.pk.
4. **The Bidding documents, completed, signed, stamped must be submitted online E-Pak Acquisition and Disposal System (EPADS) Portal i.e. <http://punjab.eprocure.gov.pk> till 9 June, 2026 by or before 11:00 AM and bids shall be opened at 11:30 AM, on same date as per the PPRA Rules,2014**
5. Bid must contain Bid Security in shape of Bank Guarantee / CDR / Bank Draft / Pay Order, Lot wise in favor of "PIEDMC Sundar Industrial Estate" (which is 2% of the estimated cost of **RS. 188,954/-**. The bid security must be attached in PDF format and submitted in original in The Engineer/HOD Engineering/BCD (BOM-SIE) office by post before bid opening date.
6. Bids that are incomplete, without bid security (in original), not signed and stamped, late, or submitted by other than specified mode will not be considered.
7. In case, the firm is found Black-listed by PPRA and Procuring Agency or provide false / Misleading information, it's Bid will be cancelled and will be recommended for punitive action.
8. The URL. Of the website of the PPRA is (<http://eproc.punjab.gov.pk/View Tender.aspx>) and response time shall be calculated exclusively from the date of publication of the advertisement on the website of the PPRA.

Note: BOM-SIE management may reject all bids or proposals at any time prior to the acceptance of bids or proposals, as provided under Rule-35 of Punjab Procurement Rules, 2014 (amended from time to time)

Your Faithfully
The Engineer/HOD Engineering/BCD

Section-II: Instructions to Bidders (ITB)

Note:- All the procurement procedures shall be conducted in accordance with Punjab Procurement Authority Act-2009 and Punjab Procurement Rules-2014. In case of any conflict between the provision of this document and PPRA Act-2009/ PPRA Rules-2014, the later shall prevail.

2.1. Introduction

2.1.1 Scope of Bid

- i) The Procuring Agency (PA), as indicated in the Bid Data Sheet (BDS) invites Bids for the provision of Goods as specified in the Section-IV Bid Data Sheet (BDS) and Section III - Technical Specifications & Section VII- Schedule of Requirements. The successful Bidders will be expected to deliver, install/ commissioning) the goods within the specified period and timeline(s) as stated in the BDS.

2.1.2 Source of Funds

- i) The Procuring Agency named in the Bid Data Sheet has received budget from Own Source. The Procuring Agency intends to apply the provided funds/ a portion of this budget to make eligible payments under the contract for which the Invitation to bids has been issued.

2.1.3 Eligible Bidders

- i) The Invitation to Bids is open to all suppliers i.e. association of firms/companies/sole proprietor/ general order suppliers/ JVs, registered with relevant Registration Authorities and Tax Departments/ Authorities (Income Tax, Sales Tax & Punjab Sales Tax etc.) [**to be decided by the Procuring Agency**], except as provided hereinafter.
- ii) Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Procuring Agency to provide consultancy services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation to Bids [if applicable].
- iii) Government-owned enterprises may participate only if they are duly/legally authorized in this regard by the respective/relevant competent forum/authority.
- iv) Bidders shall not be under a declaration of blacklisting by the Procuring Agency.
- v) In the case of a Joint Venture, Consortium, or Association, all

members shall be jointly and severally liable for the execution of the Contract in accordance with the terms and conditions of the Contract. The Joint Venture, Consortium, or Association shall nominate a Lead Member as nominated in the BDS, who shall have the authority to conduct all business for and on behalf of any and all the members of the joint venture, consortium, or association during the Bidding process, and in case of award of contract, during the execution of contract.

[It is upon procuring agency to decide the participation of Bidders in J.V mode. The limit on the number of members of JV or Consortium or Association and extent of their role shall be prescribed in BDS, in accordance with the guidelines issued by the PPRA].

- vi) The appointment of Lead Member in the Joint Venture, Consortium, or Association shall be confirmed by submission of a valid JV or Consortium agreement to the Procuring Agency.
- vii) Any agreement that form a Joint Venture, Consortium or Association shall be required to be submitted as part of the Bid and shall be attested.
- viii) Any bid submitted by the Joint Venture, Consortium or Association shall indicate the part of proposed contract to be performed by each party and each party shall be evaluated or post qualified with respect to its contribution only and the responsibilities of each party and shall not be substantially altered without prior written approval of the Procuring Agency and in line with any instructions issued by the Authority.
- ix) The invitation for Bids is open to all prospective Supplier, Manufacturers or Authorized Agents/Dealers/Distributors subject to any provisions or licensing/regulatory requirements issued by the respective National/ Provincial Professional Statutory Body established for that particular trade or business as mentioned in bid data sheet.
- x) A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be Non-Responsive. A Bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if they:
 - a) Are associated or have been associated for the procurement of the goods to be purchased under this Invitation for Bids, directly or indirectly with a firm or

any of its affiliates which have been engaged by the Procuring Agency to provide consulting services for the preparation of the design, specifications and other documents to be used.

- b) Have controlling shareholders in common; or
 - c) Receive or have received any direct or indirect subsidy from any of them; or
 - d) Have the same legal representative for purposes of this Bid; or
 - e) Have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the Procuring Agency regarding this Bidding process; or
- xii) A Bidder may be ineligible if –
- (a) The Bidder is declared bankrupt or, in the case of company or firm, insolvent;
 - (b) Payments in favor of the Bidder is suspended in accordance with the judgment of a court of law other than a judgment declaring bankruptcy and resulting, in accordance with the national laws, in the total or partial loss of the right to administer and dispose of its property;
 - (c) Legal proceedings are established against such Bidder involving an order suspending payments and which may result, in accordance with the national laws, in a declaration of bankruptcy or in any other situation entailing the total or partial loss of the right to administer and dispose of the property;
 - (d) The Bidder is convicted, by a final judgment, of any offence involving professional conduct;
 - (e) The Bidder is debarred and blacklisted due to involvement in corrupt and fraudulent practices in accordance with the provision of section 17A of PPRA Act, 2009 and Rule-21, read with Schedule appended with, Punjab Procurement Rules, 2014.

(f) The Bidder is debarred and blacklisted in general (i.e. to the extent of all public procurement) due to consistent performance failure in accordance with the section 17A of PPRA Act, 2009 and Rule-21, read with Schedule appended with, Punjab Procurement Rules, 2014.

(g) The firm, supplier and contractor is blacklisted/ debarred by any international organization.

- xiii) Bidders shall provide to the Procuring Agency evidence of their eligibility, proof of compliance with the necessary legal requirements to carry out the contract effectively.
- xiv) Bidders shall provide such evidence of their continued eligibility satisfactory to the Procuring Agency, as the Procuring Agency shall reasonably request.
- xv) Bidders shall submit proposals relating to the nature, conditions and modalities of sub-contracting wherever the sub-contracting of any elements of the contract amounting to more than ten percent of the Bid price is envisaged.

2.1.4. Eligible Goods and Services

- i) All goods and related services to be supplied under the Contract shall have their origin in eligible source countries, defined in the *Bid Data Sheet (BDS/Technical Specification)*, and all expenditures made under the contract will be limited to such goods and related services.
- ii) For purposes of this clause, “origin” means the place where the goods are mined, grown, or produced, or the place from which the related services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially-recognized product is obtained that is substantially different in basic characteristics or in purpose or utility from its components.
- iii) The origin of goods and services is distinct from the nationality of the Bidder. *In any case, the requirements of Rules 10 & 26 of PPR-14, shall be followed.*

2.1.5. Cost of Bidding

- i) The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Procuring Agency named in the Bid Data Sheet, hereinafter referred to as “the Procuring Agency,” will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the Bidding process.

2.1.6. One person one bid

- i) As per Rule 36A of Punjab Procurement Rules 2014, a Bidder shall submit only one Bid in the same bidding process, either individually as a Bidder or as a member in a joint venture or any similar arrangement.
- ii) No Bidder can be a sub-contractor while submitting a Bid individually or as a member of a joint venture in the same Bidding process.
- iii) A Bidder, if acting in the capacity of sub-contractor in any Bid, shall not submit bid for the same.

2.2. The Bidding Documents

2.2.1. Content of Bidding Documents (Through EPADS)

- i) The goods required, Bidding procedures, and contract terms are prescribed in the Bidding documents. The Bidding documents, inter alia, include:
 - (a) Invitation to Bids
 - (b) Instructions to Bidders (ITB)
 - (c) Technical Specifications
 - (d) Bid Data Sheet
 - (e) General Conditions of Contract (GCC)
 - (f) Special Conditions of Contract (SCC)
 - (g) Schedule of Requirements
 - (h) Bid Form
 - (i) Manufacturer's Authorization Form
 - (j) Bidder Profile Form
 - (k) General Information Form
 - (l) Affidavit
 - (m) Bid Security Form
 - (n) Technical Bid Form
 - (o) Contract Form

- (p) Financial Bid Form / Price Schedule
 - (q) Performance Guarantee Form
 - (r) Check List
- ii) The Bidder is required to examine all instructions, forms, terms, and specifications in the Bidding documents. Failure to furnish all information as required by the Bidding documents or to submit a Bid not responsive to the Bidding documents in every respect will be at the Bidder's risk and may result in the rejection of its Bid.
 - iii) In case of discrepancies between the Invitation to Bid and the Bidding Documents listed in **ITB 2.2.1 (i)** above, the said Bidding Documents, not in conflict with any provision of PPR-14, will take precedence.
 - iv) The Procuring Agency is not responsible for the completeness of the Bidding Documents and their addenda, if they were not obtained directly from the Procuring Agency or from its website or website of PPRA. Re-confirming from the Procuring Agency that all pages/ contents have been properly and clearly received is the prime responsibility of the Bidder.

2.2.2. Clarification of Bidding Documents (Through EPADS)

- i) A prospective Bidder requiring any clarification of the Bidding documents may notify the Procuring Agency in writing or by email at the Procuring Agency's address indicated in Invitation to Bid/ Tender Notice/ Advertisement. The Procuring Agency will respond in writing to any request for clarification of the Bidding documents which it receives no later than seven (7) days prior to the deadline for the submission of Bids prescribed in the Bid Data Sheet. Written copies of the Procuring Agency's response (including an explanation of the query but without identifying) will be sent to all prospective Bidders that have received the Bidding documents.
- ii) A prospective Bidder requiring any clarification of the Bidding Documents may notify the Procuring Agency in writing or in electronic form that provides record of the content of communication at the Procuring Agency's address indicated in the **BDS**.
- iii) The Procuring Agency will within three (3) working days after receiving the request for clarification, respond in writing or in electronic form to any request for clarification provided that such request is received not later than seven (7) days prior to the deadline for the submission of Bids. As prescribed in **ITB**

2.2.2 (i), above. However, this clause shall not apply in case of alternate methods of Procurement.

- iv) Copies of the Procuring Agency's response will be uploaded on the website of procuring agency on given date (_____) and forwarded to identified Prospective Bidders through an expeditious identified source of communication, e.g.: e-mail etc., including a description of the inquiry, but without identifying its source.
- v) Should the Procuring Agency deem it necessary to amend the Bidding Documents as a result of a clarification, it shall do so following the procedure under **ITB 2.2.3.**
- vi) If indicated **in the BDS**, the Bidder's designated representative is invited at the Bidder's cost to attend a pre-Bid meeting at the place, date and time mentioned **in the BDS**. During this pre-Bid meeting, prospective Bidders may request clarification of the schedule of requirement, the Evaluation Criteria or any other aspects of the Bidding Documents.
- vii) Minutes of the pre-Bid meeting, if applicable, including the text of the questions asked by Bidders, including those during the meeting (without identifying the source) and the responses given, together with any responses prepared after the meeting will be transmitted promptly to all prospective Bidders who have obtained the Bidding Documents and by uploading same on the website of the procuring agency. Any modification to the Bidding Documents that may become necessary as a result of the pre-Bid meeting shall be made by the Procuring Agency exclusively through the use of an Addendum pursuant to ITB 2.2.3. Non-attendance at the pre-Bid meeting will not be a cause for disqualification of a Bidder.

**2.2.3. Amendment
of Bidding
Documents
(Through EPADS)**

- i) At any time prior to the deadline for submission of Bids, but not later than three (3) days before the closing date of the submission of Bid, the Procuring Agency, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, may modify the Bidding documents by amendment. Any such change/amendment in the Bidding documents shall be provided in a timely manner, preferably through electronic means also, not later than three (3) days, and on equal opportunity basis as per Rule-25(3) OR Rule 25(4) of PPR-14 as the case may be.
- ii) In order to allow prospective Bidders reasonable time in which to take an addendum into account in preparing their Bids, the Procuring Agency, at its discretion, may extend the deadline

for the submission of Bids, as per rule 29 of PPR-14, in the manner similar to the original advertisements, so as to avoid any inconvenience and to doubly ensure level playing field for all prospective bidders.

2.3. Preparation of Bids

2.3.1. Language of Bid

- i) 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 language specified in the Bid Data Sheet. Supporting documents and printed literature furnished by the Bidder may be in same language.

2.3.2. Bid Form

- i) The Bidder shall complete the Bid Form and the appropriate Price Schedule (Financial Bid) furnished in the Bidding documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, quantity, and prices.

2.3.3. Bid Prices

- i) The Bidder shall indicate on form 8.10 the unit prices (where applicable) and total Bid price of the goods it proposes to supply under the contract.
- ii) Prices indicated on the Price Schedule shall be item wise/ package wise *[to be decided by the Procuring Agency on form 8.10]*
- iii) The Bidder's separation of price components in accordance with ITB Clause 2.3.3(ii) above will be solely for the purpose of facilitating the comparison of Bids by the Procuring Agency and will not in any way limit the Procuring Agency's right to contract on any of the terms offered.
- iv) 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. A Bid submitted with an **adjustable price quotation** will be treated as non-responsive and may be rejected.

2.3.4. Bid Currencies

- i) Prices shall be quoted in **Pak Rupees** for local/DDP items unless otherwise specified in the Bid Data Sheet.

2.3.5. Documents Establishing Bidder's

- i) Pursuant to ITB Clause 2.1.3, 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

Eligibility and Qualification

accepted.

- ii) The documentary evidence of the Bidder's eligibility to Bid shall establish to the Procuring Agency's satisfaction that the Bidder, at the time of submission of its Bid, is eligible as defined under ITB Clause 2.1.3.
- iii) The documentary evidence, of the Bidder's qualifications to perform the contract if its Bid is accepted, shall establish to the Procuring Agency's satisfaction:
 - (a) that, in the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by the goods' Manufacturer [*Manufacturer's Authorization form No. 8.3*] or producer to supply the same in Pakistan;
 - (b) that the Bidder has the financial, technical, and production capability necessary to perform the contract;
 - (c) that, in the case of a Bidder not doing business within Pakistan, the Bidder is or will be (if awarded the contract) represented by an Agent in that country equipped, and able to carry out the Supplier's maintenance, repair, and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and
 - (d) that the Bidder meets the qualification criteria listed in the Bid Data Sheet.

2.3.6. Documents Establishing Goods' Eligibility and Conformity to Bidding Documents

- i) Pursuant to ITB Clause 2.1.4, the Bidder shall furnish, as part of its Bid, documents establishing the eligibility and conformity to the Bidding documents of all goods and related services which the Bidder proposes to supply under the contract.
- ii) The documentary evidence of the eligibility of the goods and services shall consist of a statement in the Price Schedule/Financial Bid Form of the country of origin of the goods and services offered which shall be confirmed by a **Certificate of Origin** issued at the time of shipment.
- iii) The documentary evidence of conformity of the goods and services to the Bidding documents may be in the form of literature, drawings, data and shall consist of:
 - (a) a detailed description of the essential technical and performance characteristics of the goods;
 - (b) a list giving full particulars, including available sources

- and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period to be specified in the Bid Data Sheet, following commencement of the use of the goods by the Procuring Agency; and
- (c) an item-by-item commentary on the Procuring Agency's Technical Specifications demonstrating **responsiveness** of the goods and services to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications.
- iv) For purposes of the commentary to be furnished, the Bidder shall note that standards for workmanship, material, and equipment, as well as references to brand names or catalogue numbers designated by the Procuring Agency in its Technical Specifications, are intended to be descriptive only and not restrictive.
 - v) Where a sample(s) is required by a procuring agency, the sample shall be:
 - (a) submitted as part of the bid, in the quantities, dimensions and other details requested in the **BDS**;
 - (b) carriage paid;
 - (c) received on, or before, the closing time and date for the submission of bids; and
 - (d) Evaluated to determine compliance with all characteristics listed in the **BDS**.

{However, the procuring agency may also opt to ask for samples after submission of technical bids (where require)}
 - vi) The Procuring Agency may retain the sample(s) of the successful Bidder till the successful delivery of the goods. A Procuring Agency may reject the Bid if the sample(s)-
 - (a) do(es) not conform to all characteristics prescribed in the bidding documents; and
 - (b) is/are not submitted within the specified time clearly mentioned in the Bid Data Sheet.
 - vii) Where it is not possible to avoid using a propriety article as a sample, a Bidder shall make it clear that the propriety article is displayed only as an example of the type or quality of the goods being Bided for, and that competition shall not thereby be limited to the extent of that article only.
 - viii) Samples made up from materials supplied by a Procuring Agency shall not be returned to a Bidder nor shall a Procuring

Agency be liable for the cost of making them.

- ix) All samples produced from materials belonging to an unsuccessful Bidder may be kept by the Procuring Agency till thirty (30) days from the date of award of contract or exhaust of all the grievance forums (including those pending at Authority's Level or in some Court of Law).
- x) **Pursuant to the requirements as indicated in ITB 2.3.6, the Bidder shall furnish, as part of its Bid, all those documents establishing the eligibility in conformity to the terms and conditions specified in the Bidding Documents for all goods and related services which the Bidder proposes to deliver.**
- xi) The Bidder shall also furnish a list giving full particulars, including available sources and current prices of goods, spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period **specified in the BDS** following commencement of the use of the goods by the Procuring Agency.
- xii) The required documents and other accompanying documents must be in English. In case any other language than English is used the pertinent translation attested by the embassy in country of manufacturer into English shall be attached to the original version.

2.3.7. Bid Security

- i) The Bidder shall furnish, as part of its Bid, a Bid security in the amount specified in the Bid Data Sheet.
- ii) The Bid security is required to protect the Procuring Agency against the risk of Bidder's conduct which would warrant the security's forfeiture Pursuant to ITB Clause 2.3.8. (vii).
- iii) The Bid security shall be in Pakistan Rupees and shall be in one of the following forms:
 - (a) Bank Guarantee, Bank call-deposit (CDR), Demand Draft (DD), Pay Order (PO) or Banker's cheque valid for
() Days, beyond the validity of Bid. *[to be decided by the Procuring Agency keeping in view the time to be taken till award of contract or signing of contract agreement and chances of extension in Bid validity if any. The number of days will be expressed in word and figures].*
- iv) Any Bid not secured in accordance with ITB Clauses 2.3.8 (i) and (ii) may be rejected by the Procuring Agency as non-responsive.

- v) Unsuccessful Bidders' Bid security will be discharged or returned as promptly as possible but not later than () days [to be inserted by the Procuring Agency in word and figures] after the expiration of the period of Bid validity prescribed by the Procuring Agency pursuant to ITB Clause 2.3.8 (ii) or along with unopened financial proposal as per rule 38(2)(a)(vii) of PPR-14, which shall take precedence, and is as under:

“38(2)(a)(vii) the financial proposal of the Bids found technically non-responsive shall be retained unopened and shall be returned on the expiry of the grievance period or the decision of the complaint, if any, filed by the non-responsive Bidder, whichever is later:

provided that the Procuring Agency may return the sealed financial proposal earlier if the disqualified or non-responsive Bidder, contractor or consultant submits an affidavit, through an authorized representative, to the effect that he is satisfied with the proceedings of the Procuring Agency”.

- vi) The successful Bidder's Bid security will be discharged upon the Bidder signing the contract, pursuant to ITB Clause 2.6.1, and furnishing the Performance Guarantee, pursuant to ITB Clause 2.6.2.
- vii) The Bid security may be forfeited:
 - a. If a Bidder withdraws its Bid during the period of Bid validity specified by the Bidder on the Bid Form; or
 - b. In the case of a successful Bidder, if the Bidder:
 - i. Fails to sign the contract in accordance with ITB Clause 2.6.3; **or**
 - ii. Fails to furnish Performance Guarantee in accordance with ITB Clause 2.6.2; or
 - iii. If the blacklisting proceedings under Section-17A of PPRA Act, 2009 read with Rule-21 of PPR-14 are initiated and the bidder is declared blacklisted after due process of law.

2.3.8. Period of Validity of Bids

- i) Bids shall remain valid for the period specified in the Bid Data Sheet after the date of Bid opening prescribed by the Procuring Agency. A Bid valid for a shorter period may be rejected by the Procuring Agency as non-responsive.

- ii) In exceptional circumstances, the Procuring Agency may solicit the Bidder's consent to an extension of the period of validity (as per rule-28 of PPR-14). The request and the responses thereto shall be made in writing (or by email). The Bid security provided under ITB Clause 2.3.8 shall also be suitably extended. A Bidder may refuse the request without forfeiting its Bid security. A Bidder accepting the request will not be required nor permitted to modify its Bid.

2.3.9. Format and Signing of Bid

- i) 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 prevail.
- ii) The Bidder shall authorize a person/ persons for signing, submission and further correspondence with Procuring Agency on behalf of bidder. Authority letter must be part of bid. However, in case of any issue bidder shall be responsible for all consequences.
- iii) 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 duly authorized to bind the Bidder to the contract. All pages of the Bid, shall be signed and stamped by the authorized person.
- iv) Any interlineation, erasures, or overwriting shall be valid only if they are initialed by the authorized person for signing the Bid.
- v) 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 duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as specified in the **BDS** and shall be attached to the Bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the Bid, shall be signed and stamped by the authorized person.
- vi) Any interlineations, erasures, or overwriting shall be valid only if they are signed by the person or persons signing the Bidder.
- vii) The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid and to contract execution if the

Bidder is awarded the contract.

2.4. Submission of Bids

2.4.1 Sealing and Marking of Bids (Through EPADS)

- i) As per Rule 24, the Bidder shall seal the original and each copy of the Bid in separate envelopes, duly marking the envelopes as “ORIGINAL” and “COPY.” The envelopes shall then be sealed in an outer envelope.
- ii) The inner and outer envelopes shall:
 - a. be addressed to the Procuring Agency at the address given in the Bid Data Sheet; and
 - b. bear the title of procurement Activity indicated in the Bid Data Sheet, the Invitation to Bids (ITB) title and number indicated in the Bid Data Sheet, and a statement: “DO NOT OPEN BEFORE..... (time and date),” *[to be completed with the time and the date specified in the Bid Data Sheet, pursuant to ITB Clause 2.4.2.]*
- iii) The inner envelopes shall also indicate the name and address of the Bidder to enable the Bid to be returned unopened in case it is declared “late”.
- iv) If the outer envelope is not sealed and marked as required by ITB Clause 2.4.1 (i), the Procuring Agency will assume no responsibility for the Bid’s misplacement or premature opening.
- v) In case of Single Stage One Envelope Procedure, the Bidder shall seal the original and each copy of the Bid in separate envelopes, duly marking the envelopes as “ORIGINAL” and “COPY.” The envelopes shall then be sealed in an outer envelope securely sealed in such a manner that opening and resealing cannot be achieved undetected.
Note: The envelopes shall be sealed and marked in accordance with the bidding procedure adopted as referred in Rule-38 of PPR-2014, which shall have precedence.
- vi) The inner and outer envelopes shall:
 - a) Be addressed to the Procuring Agency at the address given in the **BDS**; and
 - b) Bear the title of the subject procurement or Project name, as the case may be as indicated in the **BDS**, the Invitation to Bids (ITB) title and number indicated in the **BDS**, and a statement: “DO NOT OPEN BEFORE,” to be completed with the time and the date specified in the **BDS**, pursuant

to **ITB 2.4.2.**

- vii) In case of Single Stage Two Envelope Procedure, The Bid shall comprise two envelopes submitted simultaneously, one called the Technical Proposal and the other Financial Proposal. Both envelopes to be enclosed together in an outer single envelope called the Bid. Each Bidder shall submit his bid as under:
 - a) Bidder shall submit his **TECHNICAL PROPOSAL** and **FINANCIAL PROPOSAL** in separate inner envelopes and enclosed in a single outer envelope.
 - b) **ORIGINAL** and each copy of the Bid shall be separately sealed and put in separate envelopes and marked as such.
 - c) The envelopes containing the **ORIGINAL** and copies will be put in one sealed envelope and addressed / identified as given in BDS.

- viii) The inner and outer envelopes shall:
 - a) be addressed to the Procuring Agency at the address provided in the BDS;
 - b) bear the name and identification number of the contract as defined in the BDS; and provide a warning not to open before the time and date for bid opening, as specified in the BDS, pursuant to ITB 2.4.2;
 - c) In addition to the identification required in Sub- Clause (b) hereof, the inner envelope shall indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared “late” pursuant to ITB.2.4.3.

- ix) If all envelopes are not sealed and marked as required by **ITB 2.4.1** or incorrectly marked, the Procuring Agency will assume no responsibility for the misplacement or premature opening of Bid.

2.4.2 Deadline for Submission of Bids (Through EPADS)

- i) Bids must be received by the Procuring Agency at the address specified under BDS no later than the time and date specified in the Bid Data Sheet. Bids received through courier services shall not be entertained.

- ii) The Procuring Agency may, at its discretion and as per rule 29 of PPR-14, extend this deadline for the submission of Bids by amending the Bidding documents in accordance with ITB Clause 2.2.2 & 2.2.3 in which 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.

- iii) Bids shall be received by the Procuring Agency at the address specified under **BDS** no later than the date and time specified in the **BDS**.

**2.4.3. Late Bids
(Through EPADS)**

- i) Any Bid received by the Procuring Agency after the deadline for submission of Bids prescribed by the Procuring Agency pursuant to ITB Clause 2.4.2 will be rejected and returned unopened to the Bidder.
- ii) The Procuring Agency shall not consider for evaluation any Bid that arrives after the deadline for submission of Bids.
- iii) Any Bid received by the Procuring Agency after the deadline for submission of Bids shall be declared late, recorded, rejected and returned unopened to the Bidder.

**2.4.4. Modification
and Withdrawal
of Bids (Through
EPADS)**

- i) 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.
- ii) The Bidder's modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of Clause (i) A withdrawal notice may also be sent by email, but followed by a signed confirmation copy, postmarked not later than the deadline for submission of Bids.
- iii) No Bid may be modified after the deadline for submission of Bids.
- iv) No Bid may be withdrawn in the interval between the deadline for submission of Bids and the expiration of the period of Bid validity specified by the Bidder on the Bid Form. Withdrawal of a Bid during this interval may result in the Bidder's forfeiture of its Bid security (along with other remedies available under PPR-14), pursuant to the ITB Clause 2.3.8 (vii).
- v) A Bidder may withdraw its Bid after it has been submitted, provided that written notice of the withdrawal of the Bid, is received by the Procuring Agency prior to the deadline for submission of Bids.
- vi) Revised bid may be submitted after the withdrawal of the original bid before the deadline for submission of Bids.

2.5. Opening and Evaluation of Bids

2.5.1. Opening of Bids by the Procuring Agency (Through EPADS)

- i) The Procuring Agency will open all Bids, in public, in the presence of Bidders' or their representatives who choose to attend, and other parties with a legitimate interest in the Bid proceedings at the place, on the date and at the time, specified in the **BDS**. The Bidders' representatives present shall sign a register/attendance sheet as proof of their attendance.
- ii) First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelope with the corresponding bid shall not be opened, but returned to the Bidder. No bid withdrawal shall be permitted unless the corresponding Withdrawal Notice contains a valid authorization to request the withdrawal and is read out at bid opening-
- iii) Second, outer envelopes marked "SUBSTITUTION" shall be opened. The inner envelopes containing the Substitution Bid shall be exchanged for the corresponding Original Bid being substituted, which is to be returned to the Bidder unopened. No envelope shall be substituted unless the corresponding Substitution Notice contains a valid authorization to request the substitution and is read out and recorded at bid opening.
- iv) Next, outer envelopes marked "MODIFICATION" shall be opened. No Technical Proposal and/or Financial Proposal shall be modified unless the corresponding Modification Notice contains a valid authorization to request the modification and is read out and recorded at the opening of the Bids. Any Modification shall be read out along with the Original Bid except in case of Single Stage Two Envelope Procedure where only the Technical Proposal, both Original as well as Modification, are to be opened, read out, and recorded at the opening. Financial Proposal, both Original and Modification, will remain unopened till the prescribed financial bid opening date.
- v) Other envelopes holding the Bids shall be opened one at a time, in case of Single Stage One Envelope Procedure, the Bidders names, the Bid prices, the total amount of each Bid, the presence or absence of Bid Security, Bid Securing Declaration and such other details as the Procuring Agency may consider appropriate, will be announced by the Procurement Evaluation Committee.
- vi) In case of Single Stage Two Envelope Procedure, the Procuring Agency will open the Technical Proposals in public

at the address, date and time specified in the **BDS** in the presence of Bidders` designated representatives who choose to attend and other parties with a legitimate interest in the Bid proceedings. The Financial Proposals will remain unopened and will be held in custody of the Procuring Agency until the specified time of their opening.

- vii) The envelopes holding the Technical Proposals shall be opened one at a time, and the following read out and recorded: (a) the name of the Bidder; (b) the presence of a Bid Security, if required; and (c) Any other details as the Procuring Agency may consider appropriate.
- viii) Bidders are advised to send in a representative with the knowledge of the content of the Bid who shall verify the information read out from the submitted documents. Failure to send a representative or to point out any un-read information by the sent Bidder`s representative shall indemnify the Procuring Agency against any claim or failure to read out the correct information contained in the Bidder`s Bid.
- ix) No Bid will be rejected at the time of Bid opening except for late Bids which will be returned unopened to the Bidder, pursuant to **2.4.3 (i)**.
- x) The Procuring Agency shall prepare minutes of the Bid opening. The record of the Bid opening shall include, as a minimum: the name of the Bidder and whether or not there is a withdrawal, substitution or modification, the Bid price if applicable.
- xi) The Bidders` representatives who are present shall be requested to sign on the attendance sheet. The omission of a Bidder`s signature on the record shall not invalidate the contents and affect the record.
- xii) Minutes of the Financial Bid Opening shall be recorded and uploaded by the procuring agency on its website or shared to all bidders through e-mail.
[if Procuring Agency opts for single stage one envelope procedure as per rule 38(1) of PPR-14, clause (vi) to (xiii) should be formulated accordingly by the procuring agency.]

2.5.2.
Confidentiality

- i) Information relating to the examination, clarification, evaluation and comparison of Bids and recommendation of contract award shall not be disclosed to Bidders or any other persons not officially concerned with such process until the

time of the announcement of the respective evaluation report in accordance with the requirements of rule 37 of PPR-14.

- ii) Any effort by a Bidder to influence the Procuring Agency processing of Bids or award decisions may result in the rejection of its Bid.
- iii) Notwithstanding **ITB Clause 2.2.2** from the time of Bid opening to the time of contract award, if any Bidder wishes to contact the Procuring Agency on any matter related to the Bidding process, it should do so in writing or in electronic forms that provides record of the content of communication.

2.5.3. Clarification of Bids (Through EPADS)

- i) As per rule 33(2) of PPR-14, to assist in the examination, evaluation and comparison of Bids and post-qualification of the Bidders, the Procuring Agency may, at its discretion, ask any Bidder for a clarification of its Bid including breakdown of prices to determine its reasonability. Any clarification submitted by a Bidder that is not in response to a request by the Procuring Agency shall not be considered.
- ii) The request for clarification and the response shall be in writing or in electronic forms that provide record of the content of communication. In case of Single Stage Two Envelope Procedure, no change in the prices or substance of the Bid shall be sought, offered, or permitted. Whereas in case of Single Stage One Envelope Procedure, only the correction of arithmetic errors discovered by the Procuring Agency in the evaluation of Bids should be sought in accordance with ITB Clause 2.5.6.
- iii) The alteration or modification in The Bid which in any way affect the following parameters will be considered as a change in the substance of a bid:
 - a) Evaluation & qualification criteria;
 - b) Required scope of work or specifications;
 - c) All securities requirements;
 - d) Tax requirements;
 - e) Terms and conditions of bidding documents.
 - f) Change in the ranking of the Bidder
- iv) From the time of Bid opening to the time of Contract award if any Bidder wishes to contact the Procuring Agency on any matter related to the Bid it should do so in writing or in electronic forms that provide record of the content of communication.

2.5.4. Preliminary Examination

- i) The Procuring Agency will 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.
- ii) Arithmetical errors will be rectified on the following basis:-
 - a. 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 may be rejected, and its Bid security may be forfeited.
 - b. If there is a discrepancy between words and figures, the amount in words will prevail.
- iii) Prior to the detailed evaluation, the Procuring Agency will determine the responsiveness of each Bid to the Bidding documents, pursuant to ITB Clause 2.5.5. For purposes of these Clauses, a responsive Bid is one which conforms to all the terms and conditions of the Bidding documents without material deviations. Deviations from, or objections or reservations to critical provisions, **such as** those concerning **Bid Security** (ITB Clause 2.3.8), **Applicable Law** (GCC Clause 30), **Taxes and Duties** (GCC Clause 32) & mandatory Registrations/ Renewals will be deemed to be a material deviation. The Procuring Agency's determination of a Bid's responsiveness is to be based on the contents of the Bid itself without recourse to extrinsic evidence.
- iv) If a Bid is not responsive, it will be rejected by the Procuring Agency and may not subsequently be made responsive by the Bidder by correction of the non-conformity.
- v) Prior to the detailed evaluation of Bids, the Procuring Agency will determine whether each Bid:
 - a) Meets the eligibility criteria defined in **ITB 2.1.3** and **ITB 2.1.4**;
 - b) Has been prepared as per the format and contents defined by the Procuring Agency in the Bidding Documents;
 - c) Has been properly signed;
 - d) Is accompanied by the required securities; and
 - e) Is responsive to the requirements of the Bidding

Documents.

The Procuring Agency's determination of a Bid's responsiveness will be based on the contents of the Bid itself.

2.5.5. Examination of Terms and Conditions; Technical Evaluation

- i) The Procuring Agency shall examine the Bid to confirm that all terms and conditions specified in the **GCC** and the **SCC** have been accepted by the Bidder without any material deviation or reservation.
- ii) The Procuring Agency shall evaluate the technical aspects of the Bid submitted to confirm that all requirements specified in **Section III-Technical Specifications, Section VII – Schedule of Requirements & Evaluation Criteria as provided in BDS**, have been met without material deviation or reservation.
- iii) If after the examination of the terms and conditions and the technical evaluation, the Procuring Agency determines that the Bid is not responsive in accordance, it shall reject the Bid.

2.5.6. Correction of Errors

- i) Bids determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows: -
 - a) If there is a discrepancy between unit prices 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, unless in the opinion of the Procuring Agency there is an obvious misplacement of the decimal point in the unit price, in which the total price as quoted shall govern and the unit price shall be corrected;
 - b) If there is an error in a total corresponding to the addition or subtraction of sub-totals, the sub-totals shall prevail and the total shall be corrected; and
 - c) Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.
 - d) Where there is discrepancy between grand total of price schedule and amount mentioned on the Form of Bid, the amount referred in Price Schedule shall be treated as correct subject to elimination of other errors.
- ii) The amount stated in the Bid will, be adjusted by the Procuring Agency in accordance with the above procedure for the correction of errors. The concurrence of the Bidder shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected amount, its Bid will then be rejected, and the Bid Security may be forfeited or the Bid Securing Declaration may be executed in accordance with **ITB 2.3.8**.

2.5.7. Conversion to Single Currency

- i) As per rule 32(2) of PPR-14, to facilitate evaluation and comparison, the Procuring Agency will convert all Bid prices expressed in the amounts in various currencies in which the Bid prices as follows:

For the purposes of comparison of bids quoted in different currencies, the price shall be converted into a single currency specified in the bidding documents. The rate of exchange shall be the selling rate, prevailing on the date of opening of bids specified in the bidding documents, as notified by the State Bank of Pakistan on that day, in case of holiday in State Bank of Pakistan on the day of opening financial bids, then previous working day's ex-change rates will prevail.

2.5.8. Post-Qualification & Evaluation of Bids

- i) In the absence of **prequalification**, the Procuring Agency will determine to its satisfaction whether the Bidder is qualified to perform the contract satisfactorily, in accordance with the evaluation criteria listed in BDS & pursuant to ITB Clause 2.1.3.
- ii) The determination will take into account the Bidder's financial, technical, and production/ supplying 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 2.3.6, as well as such other information required for eligibility/qualification expressed in Bid Data Sheet as the Procuring Agency deems necessary and appropriate.
- iii) The Procuring Agency will **technically evaluate** and compare the Bids which have been determined to be responsive, pursuant to ITB Clause 2.5.5, as per Technical Specifications required.
- iv) The **financial evaluation** of a Bid will be on the basis of form of Price Schedules/ Financial Bid Form 8.10 to be decided by the Procuring Agency which must include clear cut instruction regarding item wise or package wise evaluation inclusive of prevailing taxes, duties, fees etc.

2.5.9. Contacting the Procuring Agency

- i) Subject to ITB Clause 2.5.3, no Bidder shall contact the Procuring Agency on any matter relating to its Bid, from the time of the Bid opening to the time the evaluation report is made public i.e. 10 days before the contract is awarded. If the Bidder wishes to bring additional information or has grievance to the notice of the Procuring Agency, it should do so in writing.

- ii) Any effort by a Bidder to influence the Procuring Agency during Bid evaluation, or Bid comparison may result in the rejection of the Bidder's Bid.

2.5.10. Grievance Redressal

- i) As per Rule-67 of PPR-14, Procuring Agency shall constitute a Grievance Redressed Committee (GRC) comprising of odd number of persons with proper powers and authorization to address the complaints. The GRC shall not have any of the members of the Procurement Evaluation Committee. The Committee may preferably have one subject specialist depending upon the nature of the procurement in addition to one person with legal background as per their availability to the Procuring Agency.
- ii) Any Bidder feeling aggrieved can file its written complaint against the eligibility parameters or any other terms and conditions prescribed in the Bidding documents found contrary to provision of Rule 33, and the same shall be addressed by the Procuring Agency well before the proposal submission deadline.
- iii) Any party can file its written complaint against the eligibility parameters or any other terms and conditions prescribed in the bidding documents found contrary to provision of Rule 34 and the same shall be addressed by the Procuring Agency well before the proposal submission deadline.
- iv) Any Bidder feeling aggrieved by any act of the Procuring Agency after the submission of his Bid may lodge a written complaint concerning his grievances not later than ten days after the announcement of the Final evaluation reports. In case of single stage - two envelope bidding procedure any bidder feeling aggrieved from technical evaluation may file a grievance within 5 days of announcement of the technical evaluation report. After completion of the technical evaluation process, the procuring agency shall immediately upload the technical evaluation report on the website of PPRA and Procuring Agency for obtaining/ receiving grievance petitions from the prospective bidders (if any).
- v) In case, the complaint/grievance is filed after the issuance of the final evaluation report, the complainant cannot raise any objection on technical evaluation of the report. Provided that

the complainant may raise the objection on any part of the final evaluation report in case where single stage one envelop bidding procedure is adopted.

- vi) The GRC shall investigate and decide upon the complaint within fifteen days of the receipt of the complaint. Mere fact of lodging of a complaint shall not warrant suspension of the procurement process.

2.6. Award of Contract

2.6.1. Notification of Award

- i) Prior to the expiration of the period of Bid validity, the Procuring Agency will notify the successful Bidder in writing by registered letter and by email to be confirmed in writing by registered letter, that its Bid has been accepted.
- ii) The notification of award will constitute the formation of the Contract.
- iii) Upon the successful Bidder's furnishing of the Performance Guarantee pursuant to ITB Clause 2.6.2 (i), the Procuring Agency will promptly notify each unsuccessful Bidder and will discharge its Bid security, pursuant to ITB Clause 2.3.8 (v).

2.6.2. Performance Guarantee

- i) Within fifteen (15) [*to be decided by the procuring agency*]days of the receipt of notification of award from the Procuring Agency, the successful Bidder shall furnish the Performance Guarantee in accordance with the Conditions of Contract, in the Performance Guarantee Form provided in the Bidding documents, or in another form acceptable to the Procuring Agency.
- ii) Failure of the successful Bidder to comply with the requirement of ITB Clause (i) above or ITB Clause 2.6.3 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid security along with other remedies available under PPR-14. After that, the Procuring Agency may decide to award the contract to the next lowest evaluated Bidder, keeping in view the Bid validity time, or call for new Bids keeping in view the concept of value for money as defined under rule-2(ae) read with Principles of Procurement as enunciated in rule-4 of PPR-14.

2.6.3. Signing of Contract/ Issuance

- i) At the same time as the Procuring Agency notifies the successful Bidder that its Bid has been accepted, the Procuring

of Purchase Order

Agency will send the Bidder the Contract Form provided in the Bidding documents, incorporating all agreements between the parties or will issue the purchase order *[as the case may be]*.

- ii) Under rule-63 of PPR-14, where the Procuring Agency requires formal signing of contract, within seven (07) days of receipt of the Contract Form, the successful Bidder shall sign and mention date of the contract and return it to the Procuring Agency.
- iii) Where no such formal signing is required by the procuring agency, the procuring agency shall issue purchase order after the receipt of required performance guarantee, as per rule 55 of PPR-14.

2.6.4. Award Criteria

- i) Subject to ITB Clause 2.6.2, under rule-55 of PPR-14, the Procuring Agency will award the contract to the successful Bidder whose Bid has been determined to be responsive and has been determined to be the lowest evaluated Bid, provided that the Bidder has been determined to be qualified to perform the contract satisfactorily.

2.6.5. Procuring Agency's Right to Vary Quantities at Time of Award

- i) The Procuring Agency reserves the right at the time of contract award to increase or decrease the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions, on the analogy of rule-59 (c)(iv) of PPR-14 (not more than 15%).

2.6.6. Procuring Agency's Right to Accept or Reject All Bids

- i) As per rule 35 of PPR-14, the Procuring Agency reserves the right to accept or reject all Bids or proposals (and to annul the Bidding process) at any time prior to the acceptance of any Bid or proposal, without thereby incurring any liability towards the Bidders.
- ii) The Bidders shall be promptly informed about the rejection of the Bids, if any
- iii) The Procuring Agency shall upon request communicate to any Bidder, the grounds for its rejection of all Bids or proposals, but shall not be required to justify those grounds.

2.6.7. Re-Bidding

- i) If the Procuring Agency rejects all the Bids under rule 35, it may proceed with the process of fresh Bidding but before doing that it shall assess the reasons for rejection and may, if necessary, revise specifications, evaluation criteria or any other condition for Bidders.

2.6.8. Corrupt or Fraudulent Practices

- i) The Procuring Agency Bidders, Suppliers, and Contractors observe the highest standard of ethics during the procurement and execution of contracts.

“Corrupt practices” in respect of procurement process, shall be as given in S-2 (d) of PPRA, Act, 2009, which is as follows:

“(d) “corrupt practice” means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official, bidder or Contractor in the procurement process or in Contract execution to the detriment of the procuring agency; or misrepresentation of facts in order to influence a procurement process or the execution of a Contract, collusive practices among bidders (prior to or after bid submission) designed to establish bid prices at artificial, noncompetitive levels and to deprive the procuring agency of the benefits of free and open competition and any request for, or solicitation of anything of value by any public official in the course of the exercise of his duty; it may include any of the following:

- i. *Coercive practice by 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 by 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. *Offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;*
- iv. *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;*
- v. *Obstructive practice by 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 process.”

ii) Blacklisting & Debarment:

Blacklisted Bidders i.e. firms/companies/sole proprietor/ general order suppliers/ JVs etc. and those found involved in “Corrupt Practices” are not allowed to participate in bidding.

Requirements & Procedure for Blacklisting & Debarment:

As per S-17A of PPRA, Act, 2009:

“17A. Blacklisting.– (1) *A procuring agency may, for a specified period and in the prescribed manner, debar a bidder or Contractor from participating in any public procurement process of the procuring agency, if the bidder or Contractor indulges in corrupt practice or any other prescribed practice.*

(2) *The Managing Director may, in the prescribed manner, debar a bidder or Contractor from participating in any public procurement process of all or some of the procuring agencies for a specified period.*

(3) *Any person, aggrieved from a decision of a procuring agency, may within prescribed period prefer a representation before the Managing Director.*

(4) *A procuring agency or any other person, aggrieved from a decision of the Managing Director, may within prescribed period prefer a representation before the Chairperson whose decision on such representation shall be final.]*

As per rule 21 of PPR-14:

21. Blacklisting.–(1) *A procuring agency may, for a specified period, debar a bidder or Contractor from participating in any public procurement process of the procuring agency, if the bidder or Contractor has:*

- (a) acted in a manner detrimental to the public interest or good practices;*
- (b) consistently failed to perform his obligation under the Contract;*
- (c) not performed the Contract up to the mark; or*
- (d) indulged in any corrupt practice.*

(2) *If a procuring agency debar a bidder or Contractor under sub-rule (1), the procuring agency:*

(a) shall forward the decision to the Authority for publication on the website of the Authority; and

(b) may request the Authority to debar the bidder or Contractor for procurement of all procuring agencies.

(3) *The Managing Director may debar a bidder or Contractor of any procuring agency from participating in any public procurement process of all or some of the procuring agencies for such period as the Managing Director may determine.*

(4) *Any person aggrieved by a declaration made under rule 20 or a decision under sub-rule (1) of this rule may, within thirty days from the date of the publication of the information on the website of the Authority, file a representation before the Managing Director and the Managing Director may pass such order on the representation as he may deem fit.*

(5) *Any person or procuring agency aggrieved by an order under sub-rule (3) or (4) may, within thirty days of the order, file a representation before the Chairperson and the Chairperson may pass such order on the representation as he may deem appropriate.*

(6) *The mechanism or process for barring a bidder or Contractor from participating in procurement process of a procuring agency, procuring agencies and a representation under this rule is specified in the Schedule appended to these rules.*

As per Schedule appended with PPR-14:

SCHEDULE

see sub-rule (6) of rule 21

BLACKLISTING MECHANISM OR PROCESS

1. *The procuring agency may, on information received from any resource, issue show cause notice to a bidder or Contractor.*
2. *The show cause notice shall contain:*
 - (a) precise allegation, against the bidder or Contractor;*
 - (b) the maximum period for which the procuring agency proposes to debar the bidder or Contractor from participating in any public procurement of the procuring agency; and*
 - (c) the statement, if needed, about the intention of the procuring agency to make a request to the Authority for debarring the bidder or Contractor from participating in public procurements of all the procuring agencies.*
3. *The procuring agency shall give minimum of seven days to the*

bidder or Contractor for submission of written reply of the show cause notice.

4. *In case, the bidder or Contractor fails to submit written reply within the requisite time, the procuring agency may issue notice for personal hearing to the bidder or Contractor/ authorize representative of the bidder or Contractor and the procuring agency shall decide the matter on the basis of available record and personal hearing, if availed.*
5. *In case the bidder or Contractor submits written reply of the show cause notice, the procuring agency may decide to file the matter or direct issuance of a notice to the bidder or Contractor for personal hearing.*
6. *The procuring agency shall give minimum of seven days to the bidder or Contractor for appearance before the specified officer of the procuring agency for personal hearing.*
7. *The procuring agency shall decide the matter on the basis of the available record and personal hearing of the bidder or Contractor, if availed.*
8. *The procuring agency shall decide the matter within fifteen days from the date of personal hearing unless the personal hearing is adjourned to a next date and in such an eventuality, the period of personal hearing shall be reckoned from the last date of personal hearing.*
9. *The procuring agency shall communicate to the bidder or Contractor the order of debarring the bidder or Contractor from participating in any public procurement with a statement that the bidder or Contractor may, within thirty days, prefer a representation against the order before the Managing Director of the Authority.*
10. *The procuring agency shall, as soon as possible, communicate the order of blacklisting to the Authority with the request to upload the information on its website.*
11. *If the procuring agency wants the Authority to debar the bidder or Contractor from participating in any public procurement of all procuring agencies, the procuring agency shall specify reasons for such dispensation.*
12. *The Authority shall immediately publish the information and decision of blacklisting on its website.*
13. *In case of request of a procuring agency under para 11 or representation of any aggrieved person under rule 21, the Managing Director shall issue a notice for personal hearing to the parties and call for record of proceedings of blacklisting. The parties may file written statements and documents in support of their contentions.*

14. *In case of representation of any aggrieved person or procuring agency under rule 21, the Chairperson shall issue a notice for personal hearing to the parties and may call for the record of the proceedings. The parties may file written statements and documents in support of their contentions.*
15. *In every order of blacklisting under rule 21, the procuring agency shall record reasons of blacklisting and also reasons for short, long or medium period of blacklisting.*
16. *The Authority shall upload all the decisions under rule 21, available with it, on its website. But the name of a bidder or Contractor shall immediately be removed from the list of blacklisted persons on expiry of period of blacklisting or order of the competent authority to that effect, whichever is earlier.*
17. *An effort shall be made for electronic communication of all the notices and other documents pursuant to this mechanism or process.”*

iii) Furthermore, Bidders must keep themselves aware of the provision stated in clause 5.4 and clause 24.1 of the General Conditions of Contract.

2.6.9. Quantity and volume of the goods to be considered in mind

[Framework Contract Modality]

- i) While quoting the rate in a framework contract, the Bidder must consider the following facts:
 - a. Certain volume and quantity of the goods as prescribed in Bid Data Sheet.
 - b. The Bidder have to maintain the rates of the goods for the whole financial year.
 - c. The Bidder should quote the rate as per Price Schedule/ Financial Bid form. In case of non-observance of prescribed format, Financial Bid may be rejected.

Section-III. Technical Specifications

3.1. Technical Specifications

Lot #: 01

Sr #	Description	Make	Packing	Specifications
1	Total Dissolved Solids (TDS)			
i	Conductivity/TDS Bench Top Meter with Probe (MODEL: HQ430D)	HACH, Germany or Equivalent	1.0 No / .	For specifications see Annexure A
ii	Conductivity Standard Solution, 1413 µS/cm.	HACH, Germany or Equivalent	500.0 ml / BTL	
2	Biological Oxygen Demand (BOD)			
i	BOD track (MODEL: BOD DIRECT PLUS)	HACH, Germany or Equivalent	1.0 No / .	For specifications see Annexure B
ii	Thermostat cabinet for BOD Incubator	HACH, Germany or Equivalent	1.0 No / .	For specifications see Annexure C
3	MLVSS/MLSS/TSS			
i	Muffle Furnace (MODEL: LEF 205S-0)	LABTECH, Korea or Equivalent	1.0 No / .	For specifications see Annexure D (authorization dealer ship not required)
ii	Desiccator Glass 210 mm	Cito Test, China or Equivalent	1.0 No / .	
iii	Filtration Assembly Glass (Solvent F. Appratus) including Tong and Filter Paper 47mm GF/C	Zenith Lab, USA or Equivalent	1.0 No / .	
iv	Vacuum Pump Heavy Duty (MODEL: LH-85)	Zenith Lab, USA or Equivalent	1.0 No / .	For specifications see Annexure E
	General Lab Equipment's			
4	Automatic Jar Tester (Flocculator) For 6 Samples (MODEL: JLT-6)	Velp Scientific, Italy or Equivalent	1.0 No / .	For specifications see Annexure F
5	Imhoff Cone Screw Closure 1L Polycarbonate with stand	HACH, Germany or Equivalent	1.0 No / .	
6	Fume Hood	Top tec Pakistan or Equivalent	1.0 No / .	For specifications see Annexure G
7	Sample Storage Fridge (MODEL: VCS-13) Cabinet Dimenions: 575 x 615 x 1950 Volume: 400 Liters Operating Temperature: 0 to 7.2 Oc	Varioline Intercool or Equivalent	1.0 No / .	For specifications see Annexure H (authorization dealer ship not required)
8	Water Bath 9 Liter (MODEL: DK-420)	Zenith Lab, USA or Equivalent	1.0 No / .	For specifications see Annexure I
9	Hot Plate with Magnetic Stirrer (MODEL: MHS-A)	Zenith Lab, USA or Equivalent	1.0 No / .	For specifications see Annexure J
10	Ice Box for Sampling / 10 LITERS	Pakistan	1.0 No / .	(authorization dealer ship not required)
	Glassware			
11	Measuring Cylinder Glass 10 ml	Cito Test, China or Equivalent	1.0 No / .	
12	Measuring Cylinder Glass 25 ml	Cito Test, China or Equivalent	1.0 No / .	

13	Measuring Cylinder Glass 50 ml	CitoTest, China or Equivalent	1.0 No / .	
14	Measuring Cylinder Glass 100 ml	CitoTest, China or Equivalent	1.0 No / .	
15	Measuring Cylinder Glass 250 ml	CitoTest, China or Equivalent	1.0 No / .	
16	Measuring Cylinder Glass 500 ml	CitoTest, China or Equivalent	1.0 No / .	
17	Measuring Cylinder Glass 1000 ml	CitoTest, China or Equivalent	1.0 No / .	
18	Flask Volumetric Glass 25 ml.	CitoTest, China or Equivalent	1.0 No / .	
19	Flask Volumetric Glass 50 ml.	CitoTest, China or Equivalent	1.0 No / .	
20	Flask Volumetric Glass 100 ml.	CitoTest, China or Equivalent	1.0 No / .	
21	Flask Volumetric Glass 250ml.	CitoTest, China or Equivalent	1.0 No / .	
22	Flask Volumetric Glass 500ml.	CitoTest, China or Equivalent	1.0 No / .	
23	Flask Volumetric Glass 1000ml.	CitoTest, China or Equivalent	1.0 No / .	
24	Flask Conical Glass 100ml.	CitoTest, China or Equivalent	1.0 No / .	
25	Flask Conical Glass 250ml.	CitoTest, China or Equivalent	1.0 No / .	
26	Flask Conical Glass 500ml.	CitoTest, China or Equivalent	1.0 No / .	
27	Flask Conical Glass 1000ml.	CitoTest, China or Equivalent	1.0 No / .	
28	Beaker Glass 100 ml.	CitoTest, China or Equivalent	1.0 No / .	
29	Beaker Glass 250 ml.	CitoTest, China or Equivalent	1.0 No / .	
30	Beaker Glass 500 ml.	CitoTest, China or Equivalent	1.0 No / .	
31	Beaker Glass 1000 ml.	CitoTest, China or Equivalent	1.0 No / .	
32	Beaker Plastic 100 ml.	CitoTest, China or Equivalent	1.0 No / .	
33	Beaker Plastic 250 ml.	CitoTest, China or Equivalent	1.0 No / .	
34	Beaker Plastic 600 ml.	CitoTest, China or Equivalent	1.0 No / .	
35	Beaker Plastic 1000 ml.	CitoTest, China or Equivalent	1.0 No / .	
36	Measuring Cylinder Plastic 100 ml	CitoTest, China or Equivalent	1.0 No / .	
37	Measuring Cylinder Plastic 250 ml	CitoTest, China or Equivalent	1.0 No / .	
38	Measuring Cylinder Plastic 500 ml	CitoTest, China or Equivalent	1.0 No / .	
39	Measuring Cylinder Plastic 1000 ml	CitoTest, China or Equivalent	1.0 No / .	
40	Pipette Graduated Glass 1 ml.	CitoTest, China or Equivalent	1.0 No / .	
41	Pipette Graduated Glass 2 ml	CitoTest, China or Equivalent	1.0 No / .	
42	Pippet Graduated 5ml	CitoTest, China or Equivalent	1.0 No / .	
43	Pipette Graduated Glass 10 ml	CitoTest, China or Equivalent	1.0 No / .	
44	Pipette Graduated Glass 25ml	CitoTest, China or Equivalent	1.0 No / .	
45	Pipette Graduated Glass 50 ml	CitoTest, China or Equivalent	1.0 No / .	
46	Reagent Bottle W/M 125ml	CitoTest, China or Equivalent	1.0 No / .	
47	Reagent Bottle W/M 250 ml.	CitoTest, China or Equivalent	1.0 No / .	
48	Reagent Bottle W/M 500 ml.	CitoTest, China or Equivalent	1.0 No / .	
49	Reagent Bottle W/M 1000 ml.	CitoTest, China or Equivalent	1.0 No / .	

50	Sample Bottle Plastic 125ml Autoclavable	CitoTest, China or Equivalent	1.0 No / .	
51	Sample Bottle Plastic 250ml Autoclavable	CitoTest, China or Equivalent	1.0 No / .	
52	Sample Bottle Plastic 500ml Autoclavable	CitoTest, China or Equivalent	1.0 No / .	
53	Sample Bottle Plastic 1 LTR	CitoTest, China or Equivalent	1.0 No / .	
54	Micropipette Semi-Automatic 0.5-10 ul	CitoTest, China or Equivalent	1.0 No / .	
55	Micropipette Semi-Automatic 0.1-100 ul	CitoTest, China or Equivalent	1.0 No / .	
56	Micropipette Semi-Automatic 10-100 ul	CitoTest, China or Equivalent	1.0 No / .	
57	Micropipette Semi-Automatic 100-1000 ul	CitoTest, China or Equivalent	1.0 No / .	
58	Hygrometer (Temp. + Humidity)	China	1.0 No / .	(authorization dealer ship not required)
59	Jug Plastic 250 ml.	CitoTest, China or Equivalent	1.0 No / .	
60	Jug Plastic 500 ml.	CitoTest, China or Equivalent	1.0 No / .	
61	Jug Plastic 1000 ml.	CitoTest, China or Equivalent	1.0 No / .	
62	Lab Counter Table Furniture			
	Material: MS Powder Coated 18 SWG Structure: Sheet Frame Sizes: (LxDxH) 36"x 24"x 34" Door: 1 Draw , 2 Cabinet Door Top Sheet: Phenolic Local/Bakelite Electrical Panel: Installed as per table size (2 Sockets) Without Wire. Colour: As Per Client Choice Accessories: SS Premium Handle Leg Space: All Front Closed All Structure 18 SWG	Local	Complete Job 10 Nos	For specifications see Annexure K (authorization dealer ship not required)
63	Wall Mounted Cabinets			
	Material: MS Powder Coated 18 SWG, Structure: Sheet Frame Sizes: L 36"xD 15"xH 24" ,Door: 2 Cabinet Door with glass Color: As Per Client Choice, Accessories: SS Premium Handle All Structure 18 SWG	Local	Complete Job 10 Nos	For specifications see Annexure K (authorization dealer ship not required)
64	Lab Stainless Steel Sink			
	Material: Stainless Steel 18 SWG, Structure: Sheet Frame, Sizes: L 36"xD 24"xH 34", Door: 2 Cabinet Door, Top Sheet: Stainless Steel 304 Accessories: SS Pruumum Handle, All Front Closed Sink: Stainless steel with SS Tab	Local	Complete Job 01 No	(authorization dealer ship not required)
65	Office Desk			

	Desk with side rack made in laminated mad, base made in powder coated M.S. Dimensions = W 6' x D 3'x H 2.5' Side Rack Dimensions = W 36" x D 18" x H 30" Drawer Pedestal made in laminated MDF Dimensions w 22" x D 20" x H24" Accessories: SS Premium Handle	Local	Complete Job 02 Nos	(authorization dealer ship not required)
66	Office Chair			
	Executive Chair, high in quality, durable and comfortable. Specs: High Back Chair Adjustable Mesh Back & Seat Adjustable lumbar support 4D Armrest Adjustable Headrest 4 Level Locking Tilting Mechanism Height Adjustable Durable Aluminum Base PU Castors Size: 28" W X 24" D X 46" H	Local	Complete Job 02 Nos	(authorization dealer ship not required)
67	Visitor Chair			
	Visitor Chairs, Specification: Size: 23 W 18 D 37.4 H (Inches) Material: Leatherette Padded Back and Seat Base: Metallic Base in Chromed Finish Arms: Wooden Armrest Finish: Jacobean Polish Finish Key Features: Striking Design: chic and elegant, the wooden armrests provide a natural and warm touch to the chair while a Jacobean polish finish adds a touch of richness and depth to the overall design. Padded Back and Seat: leatherette material	Local	Complete Job 02 Nos	(authorization dealer ship not required)
68	Central Working Island Table with reagents shelf			
	Material: MS Powder Coated 18 SWG Structure: Sheet Frame Sizes: L 96"x W 48"x H 34" Door: 2 Cabinet Door Top Sheet: Phenolic Local/Bakelite Electrical Panel: Installed as per table size (2 Sockets) Without Wire. Color: As Per Client Choice Accessories: SS Premium Handle Leg Space: All Front Closed All Structure 18 SWG	Local	Complete Job 01 Nos	(authorization dealer ship not required)
69	Laboratory Stool with Back Support			

<p>Type Laboratory stool with back support Design Ergonomic, anti-fatigue Rotation 360° swivel Seat Material Polyurethane (PU) / PU foam / Vinyl, Backrest PU foam padded ergonomic support Frame/Base Stainless steel / Chrome-plated steel, Leg Structure 5-star base (heavy-duty) Surface Property Chemical resistant, easy to clean, Seat Diameter 300 – 400 mm Seat Height (Adjustable) 430 – 850 mm Backrest Size ~300 × 200 mm Base Diameter ~500 – 600 mm</p> <ul style="list-style-type: none"> • Height Adjustment: Gas lift / hydraulic mechanism • Back Support: Ergonomic lumbar support • Swivel: 360° rotation • Foot Ring: For high benches • Load Capacity: Typically, 100–150 kg • Anti-rust metal frame • Non-slip base or anti-static wheels • Easy-clean surface (chemical spill resistant) 	<p>Local</p>	<p>Complete Job 04 Nos</p>	<p>(authorization dealer ship not required)</p>
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Anx - A

- i) Conductivity/TDS Bench Top Meter with Probe (MODEL: HQ430D)(HACH, Germany or Equivalent)



HQ430D Laboratory Single Input, Multi-Parameter Meter - pH, Conductivity, Optical Dissolved Oxygen, ORP, and ISE

Product #: HQ430D.98.00002
AED Price: Contact Hach

Plug-and-Play with any two INTELLICAL electrodes!

The digital meter/electrode system HQD combines reliability, flexibility and ease of use. Interchangeable INTELLICAL electrodes are recognised automatically and store all relevant data.

Flexible Laboratory bench multi Meter for efficient water quality parameters testing

Single input channel for flexible measurement of pH, Conductivity, Total Dissolved Solid (TDS), Optical Dissolved Oxygen (DO), Biochemical Oxygen Demand (BOD), Oxydo Reduction Potential (ORP/RedOx), Temperature, Ion Selective Electrode (ISE) direct concentration reading for Ammonia, Ammonium, Fluoride, Chloride, Sodium - connect any Intellical™ smart probe.

Intuitive user interface for simple operation, reliable and accurate results

Guided calibration and check standard routines reduce calibration errors while stabilization alerts and visual measurement lock ensure that you can trust the accuracy of the results.

Trust your measurements - Intellical smart probes store all calibrations in the probe

Calibration history allows quick and easy change out of probes without re-calibrating. The HQD™ smart system records serial numbers, current calibration data, user ID, sample ID, time, and date automatically in the data log for complete GLP traceability..

Enhance data connectivity with easy to read results

Internal USB ports simplify data transfer, peripherals, and software updates and connection to PCs printer and keyboards, with a large ultra-bright backlit LCD screen with large font size for convenient reading.

Improve productivity and save laboratory space

Multi meter capabilities in one instrument with Intellical probes makes switching parameters fast and easy by automatically recalling your measurement settings.

Specifications

Auto-buffer recognition:	Yes
Backlight:	#
Barometric pressure measurement:	Automatic compensation of DO when using an LDO or LBOD probe
Calibration intervals/alerts/reminder:	Off, selectable from 2 hours to 7 days
Casing IP rating:	IP54 (Resistant to spray of water; Dust-proof)
Communication:	Integrated USB type A (for USB 2.0 flash memory device, printer, keyboard) and Integrated USB type B (for PC)
Compliance certifications:	CE.WEEE
Conductivity calibration:	Demal (1D/ 0.1D/ 0.01D); Molar (0.1M/ 0.01M/0.001M);

RESPIROMETRIC BOD SYSTEM BOD DIRECT PLUS

Applications

- Wastewater
- Analytical Laboratories
- Science & Research
- Determination of biological activity



BOD Direct Plus: Be in direct control of your BOD measurements

With a brilliant and easy to use large graphic display along with improved data transfer options, the BOD Direct plus is our most promising BOD measuring product offering to date.

Brilliant user experience

With the large and brilliant graphical display with detailed menu functionality, you can quickly and easily navigate through and measure the BOD. All in one device.

Individual monitoring and programming of samples

With LED lighting on the head of each sample bottle along with individual programming of the samples, you are always in control of how the BOD is developing for each individual sample.

Improved and comfortable data transfer with energy management

With two USB interfaces and one SD card interface, you now have multiple options of data transfer for further analysis. The BOD Direct Plus comes also with a mains power supply option (along with batteries) for permanent stability of power supply.



Technical Data*

Measuring principle	Respirometric; electronic pressure sensor	Power supply	Batteries: 3 alkali-manganese cells, type C / LR14
Measuring range	0 - 40, 0 - 80, 0 - 200, 0 - 400, 0 - 800, 0 - 2000, 0 - 4000 mg/L O ₂		External: 15 V DC via supplied mains adapter plug, low-voltage barrel connector, max. power requirement 600 mA
Application	BOD ₅ , BOD ₇ , OECD 301 F, etc.	Dimensions	(H x W x D) 230 mm x 181 mm x 375 mm (including stirrer unit)
Display	Graphic display, 16 grey levels, 240 pixels wide, 128 pixels high	Weight	4.1 kg with batteries and empty bottles, without mains, adapter plug, and stirrer drive
Data storage	Automatic storage up to 672 results, depending on measurement period Storage intervals: First day - hourly Second day - every 2 hours Third day and later - every 24 hours	Environmental conditions: temperature	2 - 40 °C
Automatic shutdown	Can be switched off; controlled by pressure drop in the bottle	Environmental conditions: relative humidity	5 - 80 % relative humidity (non-condensing)
Interface	USB host (only for USB stick), USB device, SD card	Protection class	Sensor head: IP54
		Certifications	CE, EMC in accordance with DIN EN 61326, basic requirements

*Subject to change without notice.

Order Information

BOD Direct Plus

LQV166.98.00001 BOD Direct Plus Respirometric BOD System. System includes power supply, bottles, USB cable, stirring and all what you need to get start using the instrument.

Accessories

LZQ172	Sensor head BOD Direct Plus
LZQ173	Y-cable BOD Direct Plus
LZQ079	Mains adapter plug
LZQ077	Inductive stirrer drive, with mains adapter
23032	Potassium hydroxide standard solution, 12.0 N, 100 mL
LZQ087	Nitrification inhibitor, 50 mL
LZQ081	BOD bottle, 500 mL
LZQ089	Seal cap (gasket)
LZQ084	Magnetic stirring bar
LZQ083	Overflow volumetric flask, 428 mL
LZQ082	Overflow volumetric flask, 157 mL
LZQ080	Thermostat cabinet

Service Agreements

Hach offers a wide range of service agreements that can be tailored to you to help maximise your measurement reliability and instrument uptime.

Contact us to get a service offering designed for you.



Be Right™



Thermostat cabinet for BOD Direct Plus

Product #: LZQ080
AED Price: Contact Hach

Thermostat-controlled incubator specially designed for BOD determination at 20 °C.

Allows continuous regulation of a temperature range of 2 - 40 °C for various fields of application. The temperature can be set in increments of 0.1 °C.

Equipped with four standard 230 Volt earthed sockets inside, a low power consumption and LED display for temperature.

Specifications

Compliance certifications:	CE
Dimensions (H x W x D):	850 mm x 600 mm x 600 mm
Manual languages:	DE/EN/FR/ES
Power supply:	220 - 240 V / 50 Hz
Warranty:	24 months
Weight:	39 kg
Width:	mm

Muffle Furnace



Fold-down door opening

MODEL	LEF-203S-0	LEF-205S-0
Controller	Digital PID Controller	
MODEL	LEF-203P-0	LEF-205P-0
Controller	Microprocessor 10 Step Program Controller	
Dimensions	Interior 130 x 220 x 110	150 x 260 x 130
(W x D x H mm)	Exterior 300 x 370 x 420	320 x 410 x 440
Capacity	3.0ℓ	5.0ℓ
Heating Capacity	1.1kW	1.4kW
Max Temperature	1100°C (recommendable to use 200°C below the max. temperature)	
Output Regulator	SSR unit control	
Thermocouple	K type CA Sensor	
Heating Element	Embedded Heat Plate	
Insulation	Vacuum Molded Ceramic Fiber	
Electric Supply	110V, 60Hz or 220V 1Phase or 380V 3 Phase, 50/60Hz	

Feature

Exhausted Gas Outlet Port Installed on the Top
remove corrosive gas, water vapor and contamination for protection from any hazardous materials

Microprocessor PID Digital Controller
provides for accuracy and reliability, with timer function auto start on-off time and alarm system

10 Step Microprocessor Program Controller

Durable Molded Ceramic Fiber Insulated Chamber
and air jacked double walled case provides for a compact and low external temperatures with high stability

Embedded Heating Element
replaceable embedded heating elements installed in each sides provide for heat uniformity and a long life cycle

High Temperature Furnace



MODEL	LEF-605S-15	LEF-611S-15	LEF-622S-15	LEF-605S-17	LEF-611S-17	LEF-622S-17
Controller	Digital PID Controller					
MODEL	LEF-605P-15	LEF-611P-15	LEF-622P-15	LEF-605P-17	LEF-611P-17	LEF-622P-17
Controller	Microprocessor 10 Step Program Controller					
Dimensions	Interior 150 x 200 x 150	200 x 270 x 200	250 x 350 x 250	150 x 200 x 150	200 x 270 x 200	250 x 350 x 250
(W x D x H mm)	Exterior 700 x 480 x 500	750 x 550 x 550	800 x 630 x 600	750 x 520 x 600	800 x 600 x 650	850 x 670 x 700
Capacity	4.5ℓ	11ℓ	22ℓ	4.5ℓ	11ℓ	22ℓ
Heating Capacity	6kW	10kW	16kW	5kW	8kW	12kW
Max Temperature	1500°C (recommendable to use 200°C below the max. temperature)			1700°C (recommendable to use 200°C below the max. temperature)		
Output Regulator	SSR unit control					
Thermocouple	K type CA Sensor					
Heating Element	SiC Rod			Super Kanthal Rod		
Insulation	Vacuum Molded Ceramic Fiber					
Electric Supply	110V, 60Hz or 220V 1Phase or 380V 3 Phase, 50/60Hz					

Custom made order is available
Specifications can be changed without prior notice for quality improvement.



Diaphragm Vacuum Pump

Model	LH-85	LH-85L	LH-95D	LH-85DL
Pumping Speed(L/min)	30	30	30	60
Ultimate Vacuum (Mbar)	>0.085 (150mbar)	>0.085 (150mbar)	>0.095 (50mbar)	>0.085 (150mbar)
Pressure (Psi)	—	40	—	40
Pump Head	1	1	2	2
Motor Power (W)	180	180	180	180
Size (L×W×H) (mm)	250×135×210	250×135×240	315×135×210	315×135×210
Weight	7.5	8	.10	10
Diaphragm material	HNBR	HNBR	HNBR	HNBR
Noise (dB)	<50	<50	<50	<50
Function	Vacuum	Vacuum & Pressure	Vacuum	Vacuum & Pressure



(MODEL: JLT-6)



JLT Series

Flocculators

Multi-position digital Jar Testers with brushless motor, timer and illuminated back panel



Easy to use and Reliable

Digital Flocculators in 4 and 6 positions with brushless motor, timer and illuminated back panel to allow standard conditions to be met during Jar Testing in water treatment plants.

- Identical conditions for all positions for comparable results
- Digitally selectable speed from 10 to 300 rpm
- Settable timer for unattended operation
- Stirring rods adjustable in height without tools
- Intuitive and bright digital display
- Powerful brushless motor and SpeedServo technology
- Illuminated back panel to simplify sample observation
- Strong resistance to chemicals and corrosion



INSTRUMENT – CODE

JLT 4	100-240 V / 50-60 Hz	F105A0108
JLT 6	100-240 V / 50-60 Hz	F105A0109

TECHNICAL DATA

	JLT 4	JLT 6
CONSTRUCTION MATERIAL	Epoxy painted metal structure	Epoxy painted metal structure
MOTOR	Brushless	Brushless
USER INTERFACE	Digital	Digital
NUMBER OF POSITIONS	4 positions, same speed for each rod	6 positions, same speed for each rod
LIGHTING SYSTEM	Illuminated back panel	Illuminated back panel
STAINLESS STEEL STIRRING RODS	Adjustable in height	Adjustable in height
ELECTRONIC SPEED CONTROL	From 10 to 300 rpm	From 10 to 300 rpm
SPEED SETTING INTERVAL	1 rpm	1 rpm
TIMER	1 ÷ 999 min or 1 ÷ 99 hours	1 ÷ 999 min or 1 ÷ 99 hours
POWER	19 W	19 W
DIMENSIONS (WxHxD)	655x404x296 mm (25.7x15.9x11.6 in)	935x404x296 mm (36.8x15.9x11.6 in)
WEIGHT	13 kg (28.6 lb)	17 kg (37.4 lb)



We reserve the right to make technical alterations. We do not assume liability for errors in printing, typing or transmission.

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4ft. Laboratory Fume Hood.

(Locally fabricated)

External Size: 54 (W) x 54 (H) x 27 (D) Inch Approx.

Internal Size: 48 (W) x 36 (H) x 26 (D) Inch Approx.

External construction: Oven baked epoxy painted E.G Steel body.

Motor and Blower system:

- Thermal Protected motor.
- 208/240Volts, 50/60 Hz.
- HP1/3AO.
- 1.7A, 1200RPM, 2 Step.
- S.S blower of size 9x4".
- Powerful motor and blower system capable to generate 100 ft/m avg velocity at working surface.

Features:

- Internal walls made of acid & corrosion resistant Dexeron board.
- One electric receptacle to work within the Hood.
- Inlets for water, gas & Vacuum with controller
- Vapor proof fluorescent lights.
- All function control panel for convenient handling.
- Vertical heat resistant, corrosion/acid proof tempered glass sash electrical motorizes operated
- Regulated air supply.
- Power Requirement: 220V, 50Hz.

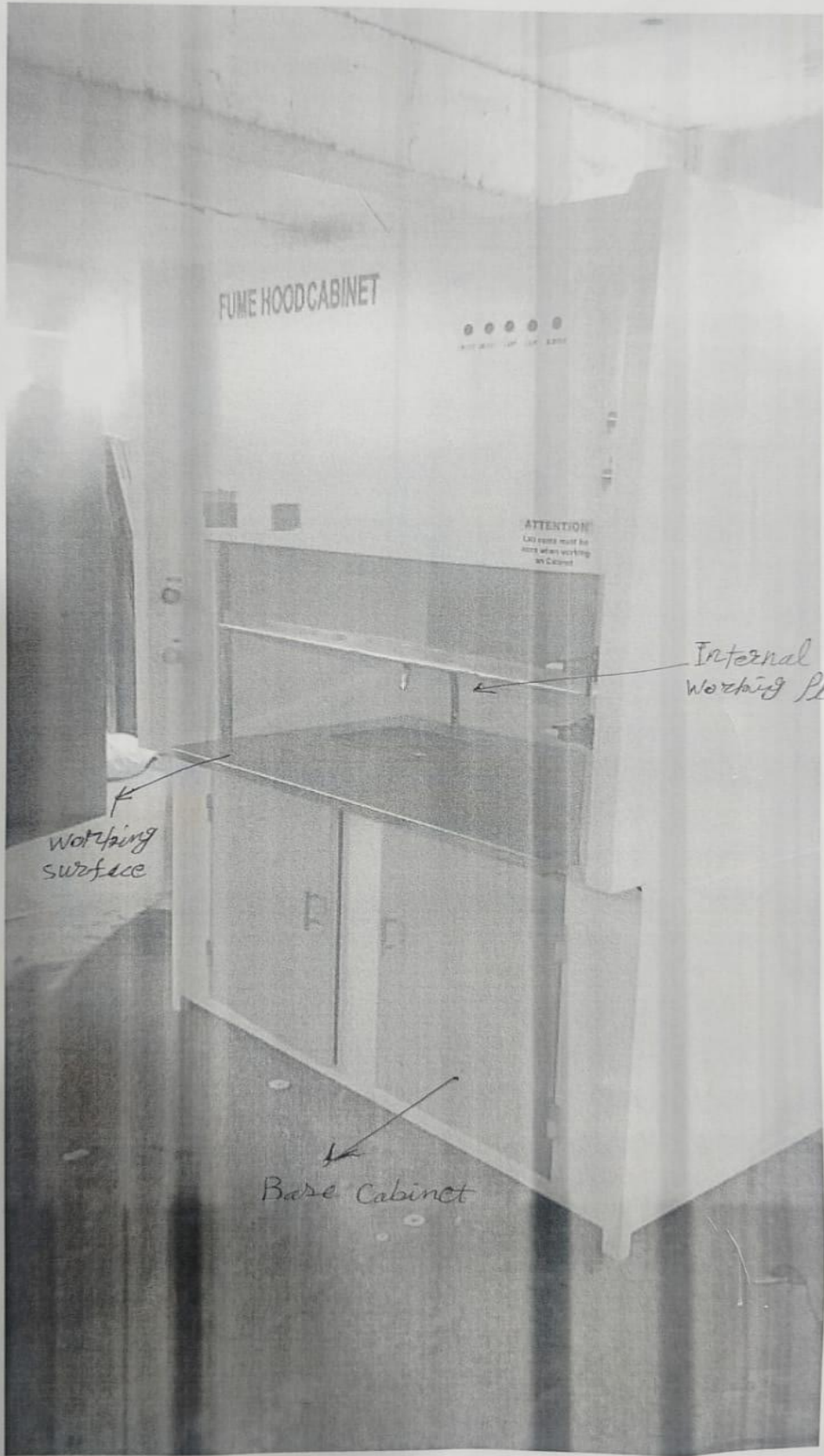
Working surface:

- Epoxy resin working surface of size: 48" x 26" x 1.25",
- Three sides LBK dye and one side FIN BNG edge with 15/32" dished surface, 2-1/8", 4-7/8" and 1" size of borders. Epoxy resin sink with 1-1/2NPSM Threads and size: 230x76mm along with epoxy cement for complete sealing.
- Polypropylene working surface and drainage trough.

LED display

Base Cabinet for 4ft. FUME HOOD

- Oven baked epoxy painted E.G Steel body.
- Standard height: 30".
- For the storage of Chemicals.



2/19/26, 1:09 PM

VCS-13 – Varioline Intercool

VCS-13



(<https://variolineintercool.com/wp-content/uploads/2019/01/VCS-13-new-sticker-compressed.png>)

SPECIFICATIONS

Cabinet Dimensions WxDxH(mm):	575 x 615 x 1950
Volume (Litres):	400
Operating Temperature:	0°C to 7.2°C
Refrigerant:	R-134a/R-290
No. of Adjustable Shelves:	4
Header Lighting:	N/A
Cabinet Lighting:	LED
Voltage Supply:	220-240 V 50/60 Hz
Facing x No.of 330 ml Can:	14 x 672
Facing x No.of 500 ml PET/Glass Bottle:	7 x 168
Gross Weight (Kgs):	97
Container Loading (20'/40'):	27/57

Note:-Specifications & Price subject to changes without any prior notice for improvement of product aesthetics and/or functions.

<https://variolineintercool.com/product/vcs-13/>

2/3

Product Characteristics **Thermostic Water Bath**

DK-S26



- ◆ Microprocessor control,
- ◆ digital display setting and actual temperature
- ◆ Digital display running timer
- ◆ PID self-tuning , over temperature alarm
- ◆ Automatic alarm after operation
- ◆ Suitable for thermostatic , baking, dewaxing, sterilization

- ◆ Microprocessor control,
- ◆ Digital display setting and actual temperature and time
- ◆ PID self-tuning , over temperature alarm
- ◆ Automatic alarm after operation
- ◆ Good insulation performance with stainless steel roof cover
- ◆ With bakelite handle
- ◆ Suitable for thermostatic , baking, dewaxing, sterilization

DK-600B



DK-8A



Model	DK-S12	DK-S24	DK-S26	DK-S28
Capacity	6L	10L	16L	22L
Power	500W	1000W	1500W	2000W
Temperature fluctuation	±0.5°C	±0.5°C	±°C	±1°C
Temperature range	RT+5 -99°C			
Temperature homogeneity	±1°C			
Voltage	110V 60Hz /220V 50Hz			
Working size(mm)	300x160x120	300x300x120	460x300x120	600x300x120
Dimension(mm)	470x230x240	470x370x240	630x370x240	770x370x240
Package(mm)	540x290x280	540x430x280	710x430x280	880x430x280

G.W./N.W.	5.5/5kg	7/6.5 kg	11/10 kg	13/12kg
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Model	DK-320	DK-420	DK-8A	DK-600B
Capacity	6L	9L	23L	20L
Power	500W	1000W	1200W	1500W
Temperature range	RT+5 -99°C	RT+5 -99°C	RT+5 -99°C	RT+5 -99°C
Temperature fluctuation	±0.5°C	±0.5°C	±0.5°C	±0.5°C
Temperature homogeneity	±0.5°C	±0.5°C	±0.5°C	±0.5°C
Timer	0-999min	0-999min	0-999min	0-999min
Voltage	110V 60Hz /220V 50Hz			
Working size(mm)	300x160x120	400x180x130	450x300x170	580x280x130
Dimension(mm)	470x230x260	570x270x280	630x370x320	760x360x260
Package(mm)	530x300x310	630x320x320	670x430x360	810x420x320
G.W./N.W.	7/6kg	8/7kg	12/11kg	15/14kg

CERAMIC MAGNETIC STIRRER

- Ceramic platforms, excellent quality.
- Non-radiative, acid proof, alkali proof, easily clean.
- Touchable controller.
- LED display temperature, speed and time.
- With time and date record, max time: 9999mins.
- Widely used in laboratory for chemicals liquid heating and mixing.



MODEL	MHS-A
Speed range	Start up ~1600rpm, stepless speed adjustment
Speed display	Yes
Heating power	600W
Stirring power	60W
Temperature range	50~320°C
Temperature precision	±0.1°C
Time	0-9999min
Platform Size(mm)	180x180
Voltage	220V 50Hz
Characteristic	Microprocessor control Digital display speed, time, temperature
Dimension(mm)	205x300x150
Weight	6kg

Technical Specifications

Anx – K

Lab Counter Table (Laboratory Furniture)

Application: Suitable for pharmaceutical laboratories, research labs, quality control labs, and educational laboratories.

1. Structure

The laboratory counter table shall be fabricated using high-quality Mild Steel (MS) sheet with powder coated finish to ensure durability, corrosion resistance, and long service life.

2. Material

Material: MS Sheet (18 SWG)

Frame Structure: Heavy duty sheet metal frame construction

Surface Finish: Electrostatic Powder Coated

Coating Thickness: Minimum 70–80 microns

3. Dimensions

Standard Size (L × D × H):

36" × 24" × 34"

(Custom sizes can be manufactured as per client requirements.)

4. Worktop

Material: Phenolic Resin / Bakelite Top

Thickness: 10–12 mm

Properties:

Chemical resistant

Heat resistant

Moisture resistant

Scratch resistant

Suitable for laboratory operations.

5. Storage Configuration

1 Drawer with smooth sliding mechanism

2 Cabinet Doors with internal storage compartment

Heavy duty concealed hinges

6. Electrical Provision

Built-in electrical panel provision

2 Electrical sockets installed as per table size
Suitable for laboratory equipment connection
(Wiring to be provided Client as per site requirement)

7. Handles & Accessories

Premium quality Stainless Steel (SS) handles
Rust resistant hardware
Smooth operating drawer channels

8. Leg Space

Full front closed panel design
Reinforced base structure for improved stability

9. Color

Powder coated color as per client requirement

10. Structural Strength

Entire structure fabricated with 18 SWG MS sheet
Designed for heavy duty laboratory use

11. Manufacturing Standard

Fabricated using precision sheet metal fabrication
Smooth edges and proper finishing
All joints properly welded and finished

12. Quality Assurance

Each unit inspected before delivery
Compliance with standard laboratory furniture manufacturing practices

Section-IV: Bid Data Sheet

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

A. Introduction		
BDS Clause Number	ITB Number	Amendments of, and Supplements to, Clauses in the Instruction to Bidders
1.	2.1.1	Name of Procuring Agency: Board of Management Sundar Industrial Estate (BOM-SIE) The subject of procurement is: SUPPLY OF LAB EQUIPMENT FOR CETP Period for delivery of goods: Thirty (90) days from the date of issuance of Purchase Order Commencement date for delivery of Goods: The Successful bidder shall be bound to provide the Goods after issuance of the Purchase Order Retention Money (N/A)
2.	2.1.2	Financial year for the operations of the Procuring Agency: FY 2025-26 Name of Project/ Grant (Development or Non-Development): BOM-SIE Own funds Name of financing institution: BOM-SIE itself Name and identification number of the Contract: Invitation of bid for Supply of Lab Equipment for CETP at BOM-SIE Contract # ED/SIE/CAPITAL/2025-26/SLE
3.	2.1.3 (iv)	Maximum number of members in the joint venture, consortium or association shall be: JV of any kind is not allowed to participate in the bid
4.		Ineligible country(s) is or are : N/A
5.	2.3.6(iii)	Demonstration of authorization by manufacturer: (as per Sec III technical Specifications)
B. Bidding Documents		
6.	2.2.2	The address for clarification of Bidding Documents is EPADS
7.	2.2.2	Pre-bid meeting will not be held
8.	2.3.9	(Through EPADS)
C. Bid Price, Currency, Language and Country of Origin		
9	2.3.1	Language of bid should be English
10	2.3.4	The price quoted shall be in PKR Including all applicable taxes
11.	2.3.4	Prices quoted by the bidder shall be fixed
12.	2.1.4 (ii)	Country of origin: Germany, Korea, China, USA, Italy, Pakistan
D. Preparation and Submission of Bids		

13.	2.1.3	<p>Qualification Criteria/ Knock down criteria.</p> <p>a) The vendor should be in business for not less than 2 years. Documentary evidence to be provided.</p> <p>b) The Firm / vendor should be registered with FBR for income tax and Sales Tax department. Documentary evidence to be provided</p> <p>c) The company should be an active tax payer. Documentary evidence to be provided</p> <p>d) The product offered must meet all of the above specifications failing which quotation will stand non-responsive. Documentary evidence for the fulfillment of above specifications must be attached with the quotation</p> <p>If the bidder fails to provide information as per the above mentioned or does not fulfill the requirement of “Eligibility Criteria” shall be disqualified and declared ineligible from the bidding process.</p>
14.	2.3.6&2.3.7	Spare parts required for ____ N/A
15.	2.2.2	Bid shall be submitted to: EPADS on given date and time
16.	2.4.2	Note: All information’s will be followed as mentioned in EPADS
17.	2.5.1	Note: All information’s will be followed as mentioned in EPADS
18.	2.6.2	Performance Guarantee 10 % of contract amount release after Completion of DLP Period or Guaranty/Warranty Period. One Year starting from the date of issuing Completion Certificate (TOC).
19.	2.3.8	<p>Estimated Contract Price is: PKR 9,447,680/-</p> <p>Bid must contain Bid Security in shape of Bank Guarantee / CDR / Bank Draft / Pay Order, Lot wise in favor of "PIEDMC Sundar Industrial Estate" (which is 2% of the estimated cost)</p> <p>Lot-1: Rs. 188,954/-</p>
20.	2.3.9	<p>Bid validity period after opening of the Bid is:</p> <p>The bid shall remain valid for the period of 180 days from the date of bid opening</p>
21.	2.3.9	Number of copies of the Bid to be provided are: uploading on EPADS
E. Opening and Evaluation of Bids		
22.	2.5.1	The Bid opening shall take place at: EPADS on given date and time
23.	2.3.5	<p>The currency that shall be used for Bid evaluation and comparison purposes to convert all Bid prices expressed in various currencies is: PKR</p> <p>The source of exchange rate shall be: N/A</p> <p>The date of exchange rate shall be: N/A</p>

F. Bid Evaluation Criteria

24.	2.5.8	Criteria to Bid evaluation. Bidding is open to all firms and persons meeting the following requirements (Documentary evidence to be provided): a) The vendor should be in business for not less than 2 years. Documentary evidence to be provided. b) The Firm / vendor should be registered with FBR for income tax and Sales Tax department. Documentary evidence to be provided c) The company should be an active tax payer. Documentary evidence to be provided d) The product offered must meet all of the above specifications failing which quotation will stand non-responsive. Documentary evidence for the fulfillment of above specifications must be attached with the quotation
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**Model/ Tentative Evaluation Criteria may, inter alia, contain the following:
[Not Applicable]**

Sr. No.	Description	Allocated Marks	Total Marks
1	Company Profile, Experience & International Certifications if any.		
i.	Company Profile Years of operations (From Registration date of NTN / FBR) ∙ E.g.: One (1) mark for one (1) year experience may be awarded. → Maximum marks may be awarded, if the firm has 10 years or more experience.	<i>[maximum marks to be decided by the procuring agency]</i>	
ii.	Relevant Experience Similar assignments / supplies over last 05 years. 1 similar project= ___ marks 2 similar projects= ___ marks 3 similar projects = ___ marks Purchase orders / supply orders / completion certificates must be attached, otherwise, no marks shall be awarded.	<i>[maximum marks to be decided by the procuring agency]</i>	
iii.	Value of Projects Capital Cost of similar projects / Supplies completed over last 05 years If the total value is equal to or more than the value of current project i.e. PKR [to be filled by the procuring agency.] For one project= ---- marks may be awarded For two projects = ----- marks may be awarded and so on Purchase orders / supply orders / completion certificates must be attached, otherwise, no marks shall be awarded.	<i>[maximum marks to be decided by the procuring agency]</i>	
2	Financial Position		
i.	Annual Turnover (last ---- years) If the total annual turnover indicated in audit report/tax return of last three years is equal or above PKR: [to be filled by the procuring agency.] then maximum allocated marks may be awarded.	<i>[maximum marks to be decided by the procuring agency]</i>	

	<p>If total turnover during last three years is upto PKR [to be decided by the procuring agency] = ----- marks</p> <p>If total turnover during last three years is upto PKR [to be decided by the procuring agency]= ___ marks</p> <p>If total turnover during last three years is upto PKR [to be decided by the procuring agency]= ___ marks</p> <p>If total turnover during last three years is upto PKR [to be decided by the procuring agency]= ___ marks</p> <p>Audit statement of last three financial years must be attached, otherwise, no marks shall be awarded.</p>	agency]	
ii.	<p>Tax Return Active Tax Payer for Financial Year 20___ - ___</p>	[maximum marks to be decided by the procuring agency]	
iii.	<p>Bank Balance / Credit Limit If bank balance / credit limit up-to 30th June, _____-- is equal to or more than estimate of current purchase, full marks may be awarded. Otherwise, the marks may be awarded as: $\frac{\text{Closing Balance or Credit Limit} \times 05}{\text{Estimate of Current Purchase}}$</p>	[maximum marks to be decided by the procuring agency]	
3.	Human Resource		
i	<p>Total HR strength of firm / company (Payroll of June 2021 mandatory) <i>[the procuring agency should devise a mechanism for the allocation of marks to HR strength keeping in view the nature and requirement of procurement.]</i> List of staff will be provided by Bidder with necessary details. <i>[The proof of registration with PEC/PPC/PMDC/PNC/PESSI/ EOBI etc. may be obtained as may be required keeping in view the nature of the procurement transaction.]</i></p>	[maximum marks to be decided by the procuring agency]	
i	<p>List of Technical Staff</p> <ul style="list-style-type: none"> · Technical staff having Bachelor / Masters degree / Technical Qualification. · [to be decided by the procuring agency] marks for each technical personal. <p>In case of medical field related projects, training certificate may be required by the procuring agency with the bid.</p>	[maximum marks to be decided by the procuring agency]	
4.	Offices / infrastructure		
	e.g.: List of offices at	[maximum	

	Any other city = 01 mark each (maximum 15 marks) Required details are as under:- Complete address, ownership / rent agreement, years of office established on the same place. In case of missing information, no mark may be awarded.	<i>marks to be decided by the procuring agency]</i>	
	Total		100
<p>Only the Bids securing minimum ____% marks would be declared technically accepted. <i>[Note 1:- If sample needs to be submitted, then details required]</i> <i>[Note 2:- The above is just a specimen which can be molded keeping in view the specific needs and provisions of PPR-14]</i></p>			

G. Award of Contract

2.6.5	Percentage for quantity increase or decrease is: <i>[Insert percentage, but not more/ less than 15%]</i> .
2.6.2	The Performance Guarantee shall be: <i>[Insert: amount up to 10 percent of the Contract Price]</i>
2.6.2	The Performance Security (or guarantee) shall be in the form of: <i>[Insert form of Performance Security]</i>

Section-V: General Conditions of Contract

[The Procuring Agency should formulate General Condition of Contract in accordance with PPR-14 keeping in view its requirements, nature of procurement i.e. Bulk/Framework, item wise/package wise and form of contract to be adopted (i.e. DDP, CIF, C&F, FOR, FOP etc. if applicable) However, for a standard procurement/contract contents of a generalized General Conditions of Contract may be as follows:

1. Definitions

1.1 In this Contract, the following terms shall be interpreted as indicated:

- (a) “The Contract” means the agreement entered into between the Procuring Agency and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- (b) “The Contract Price” means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
- (c) “The Goods” means all of the equipment, machinery, and/or other materials which the Supplier is required to supply to the Procuring Agency under the Contract.
- (d) “The Services” means those services ancillary and related to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, maintenance & repair and other such obligations of the Supplier covered under the Contract.
- (e) “GCC” means the General Conditions of Contract contained in this section.
- (f) “SCC” means the Special Conditions of Contract.
- (g) “The Procuring Agency” means the organization purchasing the Goods & Services, as named in SCC.
- (h) “The Procuring Agency’s country” is the country named in SCC.
- (i) “The Supplier” means the Bidder or firm supplying the Goods and Services under this Contract.

(j) “The Project Site,” where applicable, means the place or places named in SCC.

(k) “Day” means calendar day.

2. Application

2.1. These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract.

3. Country of Origin

[where applicable]

3.1. All Goods and Services supplied under the Contract shall have their origin in the countries and territories eligible under the rules, as further elaborated in the SCC.

3.2. For purposes of this Clause, “origin” means the place where the Goods were mined, grown, or produced, or from ~~which~~ **where** the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new product is obtained that is substantially different in basic characteristics or in purpose or utility from its components.

3.3. The origin of Goods and Services is distinct from the nationality of the Supplier. In any case, the requirements of rules 10 & 26, PPR-14, shall be followed.

4. Standards

4.1. The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods’ country of origin. Such standards shall be the latest issued by the concerned institution.

5. Use of Contract Documents and Information; Inspection and Audit by the procuring agency.

5.1. The Supplier shall not, without the Procuring Agency’s prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Procuring Agency in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

5.2. The Supplier shall not, without the Procuring Agency’s prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of executing the Contract.

5.3. Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Procuring Agency and shall be returned (all copies) to the Procuring Agency on

completion of the Supplier's performance under the Contract if so required by the Procuring Agency.

5.4. The Supplier shall permit the Procuring Agency to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the donors, if so required by the donors.

6. Patent Rights

6.1. The Supplier shall indemnify the Procuring Agency against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Procuring Agency's country.

7. Performance Guarantee

7.1. Within fifteen (15) days [*to be decided by the procuring agency*] of receipt of the notification of Contract award, the successful Bidder shall furnish to the Procuring Agency the Performance Guarantee in the amount specified in SCC/Bid Data Sheet & clause 2.6.2 of ITB.

7.2. The proceeds of the Performance Guarantee shall be payable to the Procuring Agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

7.3. As per Rule-56 of PPR-14, the performance guarantee shall be denominated in the currency of the Contract acceptable to the Procuring Agency and shall be in one of the following forms:

- (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Procuring Agency's country, in the form provided in the Bidding documents or another form acceptable to the Procuring Agency; or
- (b) a Bank Guarantee, Bank call-deposit (CDR), Demand Draft (DD), Pay Order (PO) or Banker's cheque cashier's or certified cheque or CDR.

7.4. The performance guarantee will be discharged by the Procuring Agency and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in SCC.

8. Inspections and Tests

8.1. The Procuring Agency or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Procuring Agency. SCC and the Technical Specifications shall specify what inspections and tests the Procuring Agency requires and where they are to be

conducted. The Procuring Agency shall notify the Supplier in writing, in a timely manner, of the identity of any representatives nominated for these purposes.

8.2. The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at the Goods' final destination. If conducted on the premises of the Supplier or its subcontractor(s) (if so allowed by the Procuring Agency), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Procuring Agency.

8.3. Should any inspected or tested Goods fail to conform to the Specifications, the Procuring Agency may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Procuring Agency.

8.4. The Procuring Agency's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival in the Procuring Agency's country shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Procuring Agency or its representative prior to the Goods' shipment from the country of origin.

8.5. Nothing in GCC Clause 8 shall in any way release the Supplier from any warranty or other obligations under this Contract.

9. Packing

9.1. The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

9.2. The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the Procuring Agency.

10. Delivery and

10.1. Delivery of the Goods shall be made by the Supplier in

Documents

*[in case of
Framework Modality
the Procuring
Agency may amend
these condition as
per its requirements]*

accordance with the terms specified in the Schedule of Requirements. The details of shipping and/or other documents to be furnished by the Supplier are specified in SCC.

10.2. Upon delivery, the Procuring Agency shall give receiving certificate to the supplier with the statement that, “completion certificate along with satisfactory report shall be issued after due inspection as per clause-8 of GCC, which will enable the supplier to put up the bill”.

[Further conditions may be incorporated by the Procuring Agency keeping in view the nature of contract, DDP, CIF, C&F, FOR, FOP for example; for a DDP contract the clause may be as follows:].

10.3. For purposes of the Contract, DDP trade term used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of *Incoterms*

10.4. Documents to be submitted by the Supplier are specified in SCC.

11. Insurance

*[If required and
decided by the
Procuring Agency]*

11.1. The Goods supplied under the Contract shall be delivered *[form of content to be decided by the Procuring Agency]* duty form paid under which risk is transferred to the buyer after having been delivered, hence *[details coverage to be decided by the Procuring Agency]* is sellers responsibility.

12. Transportation

12.1. The Supplier is required under the Contract to transport the Goods to a specified place of destination within the Procuring Agency’s country, including *(details to be decided by Procuring Agency as per requirement)* insurance and storage, as shall be specified in the Contract, and related costs shall be included in the Contract Price.

13. Incidental Services

*[If required and
decided by the
Procuring Agency]*

13.1. The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:

- (a) satisfactory performance for specified time/ quantity on-site and/or supervision of on-site assembly and/or start-up of the supplied Goods;
- (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;

- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- (e) training of the Procuring Agency's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

13.2. Prices charged by the Supplier for incidental services shall be included in the Contract Price for the Goods and shall not exceed:

- (i) the prevailing rates charged for other parties by the Supplier for similar services; and
- (ii) original price of goods.

14. Spare Parts

[If required and decided by the Procuring Agency]

14.1. As specified in SCC, the Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- (a) such spare parts as the Procuring Agency may choose to purchase from the Supplier, provided that this choice shall not relieve the Supplier of any warranty obligations under the Contract; and
- (b) in the event of termination of production of the spare parts:
 - (i) advance notification to the Procuring Agency of the pending termination, in sufficient time to permit the Procuring Agency to procure needed requirements; and
 - (ii) following such termination, furnishing at no cost to the Procuring Agency, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty

15.1. The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models selected by the Procuring Agency, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under

this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Procuring Agency's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.

15.2. This warranty shall remain valid for One Year after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract, or for _____ *[to be decided by the Procuring Agency]* year/months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.

15.3. The Procuring Agency shall promptly notify the Supplier in writing of any claims arising under this warranty.

15.4. Upon receipt of such notice, the Supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Procuring Agency.

15.5. If the Supplier, having been notified, fails to rectify the defect(s) within the period specified in SCC, within a reasonable period, the Procuring Agency may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Procuring Agency may have against the Supplier under the Contract/relevant provision of PPR-14 including Blacklisting.

16. Payment

16.1. The method and conditions of payment to be made to the Supplier under this Contract shall be specified in SCC.

16.2. The Supplier's request(s) for payment shall be made to the Procuring Agency in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to GCC Clause 10, and upon fulfillment of other obligations stipulated in the Contract.

16.3. As per rule-62 of PPR-14, payments shall be made promptly by the Procuring Agency, but in no case later than thirty (30) days after submission of an invoice or claim by the Supplier, provided the work is satisfactory.

16.4. The currency of payment is *[to be decided by the Procuring Agency]*

17. Prices 17.1. Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its Bid, with the exception of any price adjustments authorized in SCC.

18. Change Orders 18.1. The Procuring Agency may at any time, by a written order given to the Supplier pursuant to GCC Clause 31, make changes within the general scope of the Contract, only if required for the successful completion of the job, in any one or more of the following:

- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Procuring Agency;
- (b) the method of shipment or packing;
- (c) the place of delivery; and/or
- (d) the Services to be provided by the Supplier.

18.2. If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Procuring Agency's change order. But, in no case, the overall impact of the change should exceed 15% of the contract cost and no provisions of PPR-14 should be violated.

19. Contract Amendments 19.1. Subject to GCC Clause 18, no variation in or modification of the terms of the Contract shall be made except by the mutual consent through written amendment signed by the parties. No variation in finalized brands/ makes/models shall be allowed except in special conditions where the manufacturer has stopped producing or suspended that model or the latest model of similar series or version has been launched by the manufacturer or non-availability due to international mergers of the manufacturers or similar unavoidable constraints.

20. Assignment 20.1. The Supplier shall not assign the whole of contract to anybody else. However, some parts of contract or its obligations may be assigned to sub-contractors with the prior written approval of the procuring agency.

- 21. Sub-contracts** 21.1. The Supplier shall notify the Procuring Agency in the Bid of all subcontracts to be assigned under this Contract. Such notification, in the original Bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.
- 21.2. Subcontracts must comply with the provisions of GCC Clause 20.
- 22. Delays in the Supplier's Performance** 22.1. Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Procuring Agency in the Schedule of Requirements-
- 22.2. If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Procuring Agency in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Procuring Agency shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.
- 22.3. Except as provided under GCC Clause 25, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 23, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the imposition of liquidated damages.
- 23. Liquidated Damages** 23.1. Subject to GCC Clause 25, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Procuring Agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in SCC. Once the maximum is reached, the Procuring Agency may consider termination of the Contract pursuant to GCC Clause 24 along with other remedies available under PPR-14.
- 24. Termination for Default** 24.1. The Procuring Agency, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:
- (a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any

extension thereof granted by the Procuring Agency pursuant to GCC Clause 22;

- (b) if the Supplier fails to perform any other obligation(s) under the Contract; or
- (c) if the Supplier, in the judgment of the Procuring Agency has engaged in corrupt practices in competing for or in executing the Contract. For the purpose of this clause, corrupt practices will be defined as per Section-2 (d) of The PPRA Act, 2009.

“Corrupt practices” in respect of procurement process, shall be as given in S-2 (d) of PPRA, Act, 2009:

(d) “corrupt practice” means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official, bidder or Contractor in the procurement process or in Contract execution to the detriment of the procuring agency; or misrepresentation of facts in order to influence a procurement process or the execution of a Contract, collusive practices among bidders (prior to or after bid submission) designed to establish bid prices at artificial, noncompetitive levels and to deprive the procuring agency of the benefits of free and open competition and any request for, or solicitation of anything of value by any public official in the course of the exercise of his duty; it may include any of the following:

- vi. coercive practice by 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;*
- vii. collusive practice by 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;*
- viii. offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;*
- ix. 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;*
- x. obstructive practice by 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 process

24.2. In the event the Procuring Agency terminates the Contract in whole or in part, pursuant to GCC Clause 24.1, the Procuring Agency may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Procuring Agency for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

25. Force Majeure

25.1. Notwithstanding the provisions of GCC Clauses 22, 23, and 24, the Supplier shall not be liable for forfeiture of its Performance Guarantee, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

25.2. For purposes of this clause, “Force Majeure” means an event beyond the control of the Supplier and not involving the Supplier’s fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Procuring Agency in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes. Both, the Procuring Agency and the Supplier, may agree to exclude certain widespread conditions e.g: epidemics, pandemics, quarantine restrictions etc from the purview of “Force Majeure”.

25.3. If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring Agency in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring Agency in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. Any difference of opinion concerning “Force Majeure” may be decided through means given herein below.

26. Termination for Insolvency

26.1. The Procuring Agency may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not

prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Procuring Agency.

27. Termination for Convenience

27.1. The Procuring Agency, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Procuring Agency's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

27.2. The Goods that are complete and ready for shipment (if applicable) within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Procuring Agency on the Contract terms and prices. For the remaining Goods, the Procuring Agency may choose:

- (a) to have any portion completed and delivered at the Contract terms and prices; and/or
- (b) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Supplier.

28. Resolution of Disputes

28.1. After signing the contract or issuance of purchase order, The Procuring Agency and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

28.2. If, after thirty (30) days from the commencement of such informal negotiations, the Procuring Agency and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in SCC. These mechanisms may include, but are not restricted to, conciliation mediated by a third party, adjudication in an agreed and/or arbitration as per rule 68 of PPR-14 and in accordance with Arbitration Act-1940.

29. Governing Language

29.1. The Contract shall be written in the language specified in SCC. Subject to GCC Clause 30, the version of the Contract written in the specified language shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

30. Applicable Law

30.1. The Contract shall be interpreted in accordance with the laws of Punjab (Pakistan) unless otherwise specified in SCC.

31. Notices

31.1. Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or by any information technology mean for the time being in use and acceptable in ordinary course of business to the other party's address specified in SCC.

31.2. A notice shall be effective when delivered or on the notice's effective date, whichever is later.

32. Taxes and Duties

32.1. Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods & Services to the Procuring Agency. In case of imposition of new taxes/duties or concession thereof after the deadlines for the submission of bids the effect thereof shall be borne or availed by the procuring agency as the case may be.

Section-VI. Special Conditions of Contract

Special Conditions of Contract

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

1. Definitions (GCC Clause 1)

GCC 1.1 (g)—The Procuring Agency is: **Board of Management Sundar Industrial Estate (BOM-SIE)**

GCC 1.1 (h)—The Procuring Agency's country is: **Pakistan**

GCC 1.1 (i)—The Supplier is: **Awardee**

Sample Provision

GCC 1.1 (j)—The Project Site is: **BOM-SIE Office, Gate no 02 Sundar Industrial Estate, Sundar Raiwind Road, Lahore.**

2. Country of Origin (GCC Clause 3)

All countries and territories as indicated in Section IV, BDS, of the Bidding documents

3. Inspections and Tests (GCC Clause 8)

GCC 8.6—Inspection and tests prior to shipment of Goods and at final acceptance are as follows: **All material will be inspected by BOM-SIE representative before start of work. Any substandard material will not be acceptable and should be according to given specifications.**

4. Payment (GCC Clause 16)

- i. GCC 16.1—The method and conditions of payment to be made to the Supplier under this Contract shall be as follows: **Delivery time for successful bidder is 90 days. 100% on full delivery at BOM-SIE Office after acceptance note, Payment invoice will be submitted with documents i.e. Warranty Certificate, Inspection Certificate, Certificate of origin, Acceptance**

iii. The Payment will be made through crossed cheque after complete delivery at specified place and inspection of the items to be procured. The contractor shall provide all necessary supporting documents along with invoice for payment.

a. Cross Cheque

5. Prices (GCC Clause 17)

GCC 17.1—Prices shall be fixed and shall not be adjusted.

6. Liquidated Damages (GCC Clause 23)

GCC 23.1—Applicable rate: (DLP Period one Year starting from completion of project and Issue of (TOC).

Maximum deduction: **In case of delay in completion of work, 0.5% of contract amount per day will be charged as liquidity damage and maximum up to 10% of contract amount**

7. Resolution of Disputes (GCC Clause 28)

GCC 28.2—The dispute resolution mechanism to be applied pursuant to GCC Clause 28.2 shall be as follows:

As per rule-68 of PPR-14, in the case of a dispute between the Procuring Agency and the Supplier, the dispute shall be referred for arbitration in accordance with the Arbitration Act 1940.

8. Governing Language (GCC Clause 29)

GCC 29.1—The Governing Language shall be: **English**

9. Applicable Law (GCC Clause 30)

GCC 30.1-The Contract shall be interpreted in accordance with the laws applicable in the jurisdiction of the province of Punjab (Pakistan):

10. Notices (GCC Clause 31)

GCC 31.1—Procuring Agency’s address for notice purposes:

—Supplier’s address for notice purposes:

11. Additional Terms & Conditions

- 11.1** All procurement will be carried out as per PPRA Rules 2014 (amended up to date). Single stage one envelope procedure will be followed.
- 11.2** All bids must be valid for not less than 180 days. The quoted prices should be inclusive of all applicable taxes.
- 11.3** Bid must contain Bid Security in shape of Bank Guarantee / CDR / Bank Draft / Pay Order, Lot wise in favor of "PIEDMC Sundar Industrial Estate" (which is 2% of the estimated cost of each lot)
- 11.4** The bid security shall be forfeited if the successful bidder fails to execute the contract / supply the goods strictly in accordance with specifications, terms and conditions of tender document.
- 11.5** One person or company may submit one bid and if one person submits more than one bid, the BOM-SIE shall reject all such bids
- 11.6** Warranty period one year from the date of completion of Supply /Project .
- 11.7** The Least Cost Method will be adopted for financial evaluation, however if after necessary evaluation it revealed technical specifications mentioned by lowest bidder are not as per required specifications given the TORs documents then the next lowest bidder meeting technical specification will be given the purchase order.

Section-VII. Schedule of Requirements

7.1 Schedule of Requirements

Lot #: 01

Sr #	Description	Make	Packing	Qty
1	Total Dissolved Solids (TDS)			
i	Conductivity/TDS Bench Top Meter with Probe (MODEL: HQ430D) For specifications see Annexure A	HACH, Germany or Equivalent	1.0 No / .	1
ii	Conductivity Standard Solution, 1413 µS/cm.	HACH, Germany or Equivalent	500.0 ml / BTL	1
2	Biological Oxygen Demand (BOD)	HACH, Germany or Equivalent		
i	BOD track (MODEL: BOD DIRECT PLUS) For specifications see Annexure B	HACH, Germany or Equivalent	1.0 No / .	1
ii	Thermostat cabinet for BOD Incubator (MODEL: LZQ080) For specifications see Annexure C	HACH, Germany or Equivalent	1.0 No / .	1
3	MLVSS/MLSS/TSS			
i	Muffle Furnace (MODEL: LEF 205S-0) For specifications see Annexure D	LABTECH, Korea or Equivalent	1.0 No / .	1
ii	Desiccator Glass 210 mm	CitoTest, China or Equivalent	1.0 No / .	1
iii	Filtration Assembly Glass (Solvent F. Appratus) including Tong and Filter Paper 47mm GF/C	ZenithLab,USA or Equivalent	1.0 No / .	1
iv	Vacuum Pump Heavy Duty (MODEL: LH-85) for specifications see Annexure E	ZenithLab,USA or Equivalent	1.0 No / .	1
	General Lab Equipments			
4	Automatic Jar Tester (Flocculator) For 6 Samples (MODEL: JLT-6) For specifications see Annexure F	Velp Scientific, Italy or Equivalent	1.0 No / .	1
5	Imhoff Cone Screw Closure 1L Polycarbonate with stand	HACH, Germany or Equivalent	1.0 No / .	3
6	Fume Hood For specifications see Annexure G	Toptec Pakistan or Equivalent	1.0 No / .	1
7	Sample Storage Fridge (MODEL: VCS-13) Cabinet Dimenions: 575 x 615 x 1950 Volume: 400 Liters Operating Temperature: 0 to 7.2 Oc For specifications see Annexure H	Varioline Intercool or Equivalent	1.0 No / .	1

8	Water Bath 9 Liter (MODEL: DK-420) for specifications see Annexure I	ZenithLab,USA or Equivalent	1.0 No / .	1
9	Ceramic Magnetic Stirrer with Hot Plate (MODEL: MHS-A) for specifications see Annexure J	ZenithLab,USA or Equivalent	1.0 No / .	1
10	Ice Box for Sampling / 10 LITERS	Pakistan	1.0 No / .	1
Glassware				
11	Measuring Cylinder Glass 10 ml	CitoTest, China or Equivalent	1.0 No / .	6
12	Measuring Cylinder Glass 25 ml	CitoTest, China or Equivalent	1.0 No / .	6
13	Measuring Cylinder Glass 50 ml	CitoTest, China or Equivalent	1.0 No / .	6
14	Measuring Cylinder Glass 100 ml	CitoTest, China or Equivalent	1.0 No / .	6
15	Measuring Cylinder Glass 250 ml	CitoTest, China or Equivalent	1.0 No / .	6
16	Measuring Cylinder Glass 500 ml	CitoTest, China or Equivalent	1.0 No / .	6
17	Measuring Cylinder Glass 1000 ml	CitoTest, China or Equivalent	1.0 No / .	6
18	Flask Volumetric Glass 25 ml.	CitoTest, China or Equivalent	1.0 No / .	4
19	Flask Volumetric Glass 50 ml.	CitoTest, China or Equivalent	1.0 No / .	4
20	Flask Volumetric Glass 100 ml.	CitoTest, China or Equivalent	1.0 No / .	4
21	Flask Volumetric Glass 250ml.	CitoTest, China or Equivalent	1.0 No / .	4
22	Flask Volumetric Glass 500ml.	CitoTest, China or Equivalent	1.0 No / .	4
23	Flask Volumetric Glass 1000ml.	CitoTest, China or Equivalent	1.0 No / .	4
24	Flask Conical Glass 100ml.	CitoTest, China or Equivalent	1.0 No / .	10
25	Flask Conical Glass 250ml.	CitoTest, China or Equivalent	1.0 No / .	10
26	Flask Conical Glass 500ml.	CitoTest, China or Equivalent	1.0 No / .	4
27	Flask Conical Glass 1000ml.	CitoTest, China or Equivalent	1.0 No / .	4
28	Beaker Glass 100 ml.	CitoTest, China or Equivalent	1.0 No / .	12
29	Beaker Glass 250 ml.	CitoTest, China or Equivalent	1.0 No / .	12

30	Beaker Glass 500 ml.	CitoTest, China or Equivalent	1.0 No / .	12
31	Beaker Glass 1000 ml.	CitoTest, China or Equivalent	1.0 No / .	12
32	Beaker Plastic 100 ml.	CitoTest, China or Equivalent	1.0 No / .	10
33	Beaker Plastic 250 ml.	CitoTest, China or Equivalent	1.0 No / .	10
34	Beaker Plastic 600 ml.	CitoTest, China or Equivalent	1.0 No / .	10
35	Beaker Plastic 1000 ml.	CitoTest, China or Equivalent	1.0 No / .	10
36	Measuring Cylinder Plastic 100 ml	CitoTest, China or Equivalent	1.0 No / .	10
37	Measuring Cylinder Plastic 250 ml	CitoTest, China or Equivalent	1.0 No / .	10
38	Measuring Cylinder Plastic 500 ml	CitoTest, China or Equivalent	1.0 No / .	10
39	Measuring Cylinder Plastic 1000 ml	CitoTest, China or Equivalent	1.0 No / .	10
40	Pipette Graduated Glass 1 ml.	CitoTest, China or Equivalent	1.0 No / .	6
41	Pipette Graduated Glass 2 ml	CitoTest, China or Equivalent	1.0 No / .	6
42	Pippet Graduated 5ml	CitoTest, China or Equivalent	1.0 No / .	6
43	Pipette Graduated Glass 10 ml	CitoTest, China or Equivalent	1.0 No / .	6
44	Pipette Graduated Glass 25ml	CitoTest, China or Equivalent	1.0 No / .	6
45	Pipette Graduated Glass 50 ml	CitoTest, China or Equivalent	1.0 No / .	6
46	Reagent Bottle W/M 125ml	CitoTest, China or Equivalent	1.0 No / .	12
47	Reagent Bottle W/M 250 ml.	CitoTest, China or Equivalent	1.0 No / .	12
48	Reagent Bottle W/M 500 ml.	CitoTest, China or Equivalent	1.0 No / .	6
49	Reagent Bottle W/M 1000 ml.	CitoTest, China or Equivalent	1.0 No / .	6
50	Sample Bottle Plastic 125ml Autoclavable	CitoTest, China or Equivalent	1.0 No / .	50
51	Sample Bottle Plastic 250ml Autoclavable	CitoTest, China or Equivalent	1.0 No / .	50
52	Sample Bottle Plastic 500ml Autoclavable	CitoTest, China or Equivalent	1.0 No / .	24

53	Sample Bottle Plastic 1 LTR	CitoTest, China or Equivalent	1.0 No / .	24
54	Micropipette Semi Automatic 0.5-10 ul	CitoTest, China or Equivalent	1.0 No / .	2
55	Micropipette Semi-Automatic 0.1-100 ul	CitoTest, China or Equivalent	1.0 No / .	2
56	Micropipette Semi-Automatic 10-100 ul	CitoTest, China or Equivalent	1.0 No / .	2
57	Micropipette Semi-Automatic 100-1000 ul	CitoTest, China or Equivalent	1.0 No / .	2
58	Hygrometer (Temp. + Humidity)	China	1.0 No / .	4
59	Jug Plastic 250 ml.	CitoTest, China or Equivalent	1.0 No / .	12
60	Jug Plastic 500 ml.	CitoTest, China or Equivalent	1.0 No / .	12
61	Jug Plastic 1000 ml.	CitoTest, China or Equivalent	1.0 No / .	12
62	Lab Counter Table Furniture			
	Material: MS Powder Coated 18 SWG Structure: Sheet Frame Sizes: (LxDxH) 36"x 24"x 34" Door: 1 Draw, 2 Cabinet Door Top Sheet: Phenolic Local/Bakelite Electrical Panel: Installed as per table size (2 Sockets) Without Wire. Color: As Per Client Choice Accessories: SS Premium Handle Leg Space: All Front Closed All Structure 18 SWG	Local	Complete Job	10
63	Wall Mounted Cabinets			
	Material: MS Powder Coated 18 SWG, Structure: Sheet Frame Sizes: L 36"xD 15"xH 24", Door: 2 Cabinet Door with glass Color: As Per Client Choice, Accessories: SS Premium Handle All Structure 18 SWG	Local	Complete Job	10
64	Lab Stainless Steel Sink			
	Material: Stainless Steel 18 SWG, Structure: Sheet Frame, Sizes: L 36"xD 24"xH 34", Door: 2 Cabinet Door, Top Sheet: Stainless Steel 304 Accessories: SS Premium Handle, All Front Closed Sink: Stainless steel with SS Tab	Local	Complete Job	1
65	Office Desk			
	Desk with side rack made in laminated mad, base made in powder coated M.S. Dimensions = W 6' x D 3'x H 2.5' Side Rack Dimensions = W 36" x D 18" x H 30" Drawer Pedestal made in laminated MDF Dimensions w 22" x D 20" x H24" Accessories: SS Premium Handle	Local	Complete Job	2
66	Office Chair			

	Executive Chair, high in quality, durable and comfortable. Specs: High Back Chair Adjustable Mesh Back & Seat Adjustable lumbar support 4D Armrest Adjustable Headrest 4 Level Locking Tilting Mechanism Height Adjustable Durable Aluminum Base PU Castors Size: 28" W X 24" D X 46" H	Local	Complete Job	2
67	Visitor Chair			
	Visitor Chairs, Specification: Size: 23 W 18 D 37.4 H (Inches) Material: Leatherette Padded Back and Seat Base: Metallic Base in Chromed Finish Arms: Wooden Armrest Finish: Jacobean Polish Finish Key Features: Striking Design: chic and elegant, the wooden armrests provide a natural and warm touch to the chair while a Jacobean polish finish adds a touch of richness and depth to the overall design. Padded Back and Seat: leatherette material	Local	Complete Job	2
68	Central Working Island Table with reagents shelf			
	Material: MS Powder Coated 18 SWG Structure: Sheet Frame Sizes: L 96"x W 48"x H 34" Door: 2 Cabinet Door Top Sheet: Phenolic Local/Bakelite Electrical Panel: Installed as per table size (2 Sockets) Without Wire. Color: As Per Client Choice Accessories: SS Premium Handle Leg Space: All Front Closed All Structure 18 SWG	Local	Complete Job	1
69	Laboratory Stool with Back Support			
	Type Laboratory stool with back support Design Ergonomic, anti-fatigue Rotation 360° swivel Seat Material Polyurethane (PU) / PU foam / Vinyl, Backrest PU foam padded ergonomic support Frame/Base Stainless steel / Chrome-plated steel, Leg Structure 5-star base (heavy-duty) Surface Property Chemical resistant, easy to clean, Seat Diameter 300 – 400 mm Seat Height (Adjustable) 430 – 850 mm Backrest Size ~300 × 200 mm Base Diameter ~500 – 600 mm <ul style="list-style-type: none"> • Height Adjustment: Gas lift / hydraulic mechanism • Back Support: Ergonomic lumbar support • Swivel: 360° rotation • Foot Ring: For high benches • Load Capacity: Typically, 100–150 kg • Anti-rust metal frame • Non-slip base or anti-static wheels • Easy-clean surface (chemical spill resistant) 	Local	Complete Job	4

Section-VIII: Sample Forms

8.1 Bid Form

[To be signed & stamped by the Goods Provider and reproduced on the letter head. To be attached with the Bid, in case of Single Stage One Envelope Procedure and with the Financial Bid, in case of Single Stage Two Envelope Procedure]

Date: _____

To: *[name and address of Procuring Agency]*

Gentlemen and/or Ladies:

Having examined the Bidding documents including Addenda Nos. *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, 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, specified in the Schedule of Requirements.

If our Bid is accepted, we will obtain the guarantee of a bank in a sum equivalent to _____ percent of the Contract Price for the due performance of the Contract, in the form prescribed by the Procuring Agency.

We agree to a Bid by this Bid for a period of *[number]* days from the date fixed to Bid opening under Clause 2.3.8 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 (*if required*), this Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

[In case of single stage one envelope bidding procedure]

The Composition of our Bid is:

- a) Complete bidding document (without filling) signed and stamped by the bidder
- b) all the forms relevant to the technical and financial bids (clearly indicated on each form)
- c) All the required documents establishing eligibility of bidders/goods shall be made part of the bid.
- d) Any other document required by the procuring agency not inconsistent with PPR-14.

[In case of single stage two envelope bidding procedure],

The Composition of our bid consists on separate Technical and financial bids, detail of which is as follows:

Technical bid includes the following: -

- a) Complete bidding document (without filling) signed and stamped by the bidder
- b) All the forms relevant to the technical bid, to be reproduced on the letter head of the bidder as indicated on each individual form.
- c) Copy of bid security form along with copy of financial instruments *[to be decided by the procuring agency i.e. Bank Guarantee / Bank call-deposit (CDR) / Demand Draft (DD) / Pay Order (PO) or Banker's cheque]* valid for () Days, beyond the validity of Bid in the manner as prescribed on the bid security form **8.10**.
- d) Any other document required by the procuring agency not inconsistent with PPR-14.

Financial bid includes the following: -

- a) Original Bid form (as per **form 8.1** of Bidding documents) on letter head of the firm, duly signed and stamped.
- b) Price schedule / financial form (as per **form 8.10**) to be reproduced on the letter head of the bidder duly signed and stamped.
- c) Original Bid security form (as per **form 8.11**) along with Original financial instrument *[to be decided by the procuring agency i.e. Bank Guarantee / Bank call-deposit (CDR) / Demand Draft (DD) / Pay Order (PO) or Banker's cheque]* valid for () Days, beyond the validity of Bid.
- d) *Any other document required by the procuring agency not inconsistent with PPR-14.*

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of goods provider Amount and Currency

(if none, state “none”)

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

Dated this _____ day of _____ 20_____.

[signature]

[in the capacity of]

Duly authorized to sign Bid for and on behalf of _____

[The Procuring Agency should formulate Bid Form in accordance with PPR-14 keeping in view its requirements, nature of procurement. i.e. Bulk/Framework, item wise/package wise and form of contract to be adopted (i.e. DDP, CIF, C&F, FOR, FOP etc. if applicable). However, for a standard procurement/contract, contents of a generalized Bid Form may be as provided above.]

8.2 Bidder's JV Members Information Form

{To be reproduced and signed & stamped by the lead partner and all JV members on their letter Pad, to be attached with Technical Bid in addition to the JV agreement}

{The Bidder shall fill in this Form in accordance with the instructions indicated below. The following table shall be filled in for the Bidder and for each member of a Joint Venture}.

Date: *[insert date (as day, month and year) of Bid submission]*

RFB No.: *[insert number of RFB process]*

Alternative No.: *[insert identification No if this is a Bid for an alternative*

/ Page _____ of _____ Pages

1. Bidder's Name: <i>[insert Bidder's legal name]</i>
2. Bidder's JV Member's name: <i>[insert JV's Member legal name]</i>
3. Bidder's JV Member's country of registration: <i>[insert JV's Member country of registration]</i>
4. Bidder's JV Member's year of registration: <i>[insert JV's Member year of registration]</i>
5. Bidder's JV Member's legal address in country of registration: <i>[insert JV's Member legal address in country of registration]</i>
6. Bidder's JV Member's authorized representative information Name: <i>[insert name of JV's Member authorized representative]</i> Address: <i>[insert address of JV's Member authorized representative]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers of JV's Member authorized representative]</i> Email Address: <i>[insert email address of JV's Member authorized representative]</i>
7. Attached are copies of original documents of <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above, in accordance with ITB 4.4. <input type="checkbox"/> In case of a state-owned enterprise or institution, documents establishing legal and financial autonomy, operation in accordance with commercial law, and that they are not under the supervision of the Purchaser, in accordance with ITB 4.6.
8. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

8.3. Manufacturer's Authorization Form

[To be signed and stamped by the Bidder and to be attached with Technical Bid]

[See Clause 2.3.6 (iii) of the Instructions to Bidders.]

To: *[name of the Procuring Agency]*

WHEREAS *[name of the Manufacturer]*, who are established and reputable manufacturers of *[name and/or description of the goods]* having factories at *[address of factory]* do hereby authorize *[name and address of Agent]* to submit a Bid, and subsequently negotiate and sign the Contract with you against for the above goods manufactured by us.

We hereby extend our full guarantee and warranty as per Clause 15 of the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation to Bids.

[Signature for and on behalf of Manufacturer]

Note: This letter of authority should be on the letterhead of the Manufacturer and should be signed by a person competent and having the power of attorney to bind the Manufacturer. It should be included by the Bidder in its Bid.

**8.4. Bidder Profile
Form**

[To be signed & stamped by the Bidder and reproduced on the letter head. To be attached with Technical Bid]

a) Audited Financial Statement Attachment/Income Tax Returns (Last ____ years)

Yes
No

b) Details of Experience (Last Years)

Sr.#	Particulars
1.	Name of the company:
2.	Registered Office:
	Address:
	Office Telephone Number:
	Fax Number:
3.	Contact Person:
	Name:
	Personal Telephone Number:
	Email Address:
4.	Local office if any:
	Address:
	Office Telephone Number:
	Fax Number:
5.	Registration Details:

(i)	Similar Project (Agency/Department)	Item Name
(ii)	Value of total Projects/Tenders/POs	Amount

c) Staff Detail and last month Payroll

Yes
No

[The Procuring Agency should formulate Bidder Profile Form in accordance with PPR-14 keeping in view its requirements, nature of procurement i.e. Bulk/Framework, item wise/package wise and form of contract to be adopted (i.e. DDP, CIF, C&F, FOR, FOP etc. if applicable). However, for a standard procurement/contract, contents of a generalized Bidder Profile Form may be as provided above.]

**8.5. General Information
Form**

[To be signed & stamped by the Bidder and reproduced on the letter head. To be attached with Technical Bid]

	Particulars			
Company Name				
Abbreviated Name				
National Tax No.			Sales Tax Registration No	
PRA Tax No.				
No. of Employees			Company's Date of Formation	

*Please attach copies of NTN, GST Registration & Professional Tax Certificate

Registered Office Address		State/Province	
City/Town		Postal Code	
Phone		Fax	
Email Address		Website Address	

[The Procuring Agency should formulate General Information Form in accordance with PPR-14 keeping in view its requirements, nature of procurement i.e. Bulk/Framework, item wise/package wise and form of contract to be adopted (i.e. DDP, CIF, C&F, FOR, FOP etc. if applicable). However, for a standard procurement/contract, contents of a generalized General Information Form may be as provided above.]

8.6. Affidavit

[To be printed on PKR 100 Stamp Paper, duly attested by oath commissioner. To be attached with Technical Bid]

Name: _____
(Applicant)

I, the undersigned, do hereby certify that all the statements made in the Bidding document and in the supporting documents are true, correct and valid to the best of my knowledge and belief and may be verified by employer if the Employer, at any time, deems it necessary.

The undersigned hereby authorize and request the bank, person, company or corporation to furnish any additional information requested by the *[name of Procuring Agency]* of the Punjab deemed necessary to verify this statement regarding my (our) competence and general reputation.

The undersigned understands and agrees that further qualifying information may be requested and agrees to furnish any such information at the request of the *[name of Procuring Agency]*. The undersigned further affirms on behalf of the firm that:

- (i) The firm is not currently blacklisted by the Procuring Agency.
- (ii) The documents/photocopies provided with Bid are authentic. In case, any fake/bogus document was found at any stage, the firm shall be blacklisted as per Law/ Rules.
- (iii) Affidavit for correctness of information.
- (iv) *****omitted*****

[Name of the Contractor/ Bidder/ Supplier] undertakes to treat all information provided as confidential.

Signed by an authorized Officer of the company

Title of Officer: _____

Name of Company: _____

Date: _____

[The Procuring Agency may alter or modify the details of this form in accordance with PPR-14 keeping in view its requirements, nature of procurement i.e. Bulk/Framework, item wise/package wise and form of contract to be adopted (i.e. DDP, CIF, C&F, FOR, FOP etc. if applicable). However, for a standard procurement/contract, contents of a generalized this Form may be as provided above.]

8.7. Performance Guarantee Form

[To be signed & stamped by the Bidder and reproduced on the letter head. To be attached with Technical Bid]

To,
[name and address of the Procuring Agency]

WHEREAS (Name _____ of _____ the _____ Contractor/ _____ Supplier) _____ hereinafter called "the Contractor" has undertaken, in pursuance of "INVITATION TO BID FOR THE "PROVISION OF _____" procurement of the following:

1. *[Please insert details]*.
(Here in after called "the Contract").

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

AND WHEREAS we have agreed to give the Contractor a Guarantee;

THEREFORE WE hereby affirm that we are Guarantor and responsible to you, on behalf of the Contractor, 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 Contractor to be in default under the Contract, and without cavil or argument, any sum or sums as specified by you, 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 _____ day of _____, 20____, or _____ [insert number of days] after the rectification of the Defects, whichever is later.

[NAME OF GUARANTOR]

Signature _____

Name _____

Title _____

Address _____

Seal _____

Date _____

[The Procuring Agency may alter or modify the details of this form in accordance with PPR-14 keeping in view its requirements, nature of procurement i.e. Bulk/Framework, item wise/package wise and form of contract to be adopted (i.e. DDP, CIF, C&F, FOR, FOP etc. if applicable). However, for a standard procurement/contract, contents of a generalized this Form may be as provided above.]

**8.8. Technical Bid
Form**

[To be signed & stamped by the Bidder and reproduced on the letter head. To be attached with Technical Bid]

Sr. No.	Item name	Brand name with Country of Manufacturer	Make & model	Quantity	Country of Origin	Specifications dimensions

Stamp & Signature of Bidder _____

[The Procuring Agency may alter or modify the details of this form in accordance with PPR-14 keeping in view its requirements, nature of procurement i.e. Bulk/Framework, item wise/package wise and form of contract to be adopted (i.e. DDP, CIF, C&F, FOR, FOP etc. if applicable). However, for a standard procurement/contract, contents of a generalized this Form may be as provided above.]

8.9. Contract Form

[To be signed & stamped by the Bidder and reproduced on the letter head. To be attached with Technical Bid]

THIS AGREEMENT made on the _____ day of _____ 20____ between *[name of Procuring Agency]* of *[country of Procuring Agency]* (hereinafter called “the Procuring Agency”) on the one part and *[name of Supplier]* of *[city and country of Supplier]* (hereinafter called “the Supplier”) on the other part:

WHEREAS the Procuring Agency invited Bids for certain goods and ancillary services, viz., *[brief description of goods and services]* and has accepted a Bid by the Supplier for the supply of those goods and services in the sum of *[contract price in words and figures]* (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:

- (a) the Bid Form and the Price Schedule submitted by the Bidder;
- (b) the Schedule of Requirements;
- (c) the Technical Specifications;
- (d) the General Conditions of Contract;
- (e) the Special Conditions of Contract; and
- (f) the Procuring Agency’s Notification of Award.
- (g) Contract agreement
- (h) Complete Bidding document

3. In consideration of the payments to be made by the Procuring Agency to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring Agency to provide the goods and services and to rectify defects therein in conformity with all respects in accordance with the provisions of the Contract.

4. The Procuring Agency hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the rectification of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year mentioned above.

Signed, sealed, delivered by _____ the _____ (for the Procuring Agency)

Signed, sealed, delivered by _____ the _____ (for the Supplier)

[The Procuring Agency should formulate Contract Form in accordance with PPR-14 keeping in view its requirements, nature of procurement i.e. Bulk/Framework, item wise/package wise and form of contract to be adopted (i.e. DDP, CIF, C&F, FOR, FOP etc. if applicable). However, for a standard procurement/contract, contents of a generalized Contract Form may be as provided above.]

8.10. Financial Bid Form/Price Schedule

[To be signed & stamped by the Bidder and reproduced on the letter head. To be attached with Financial Bid]

Lot-1: Supply of Lab Equipment for CETP

Sr #	Description	Make	Packing	Price/ Pack Included Taxes	Qty	Total Price
1	Total Dissolved Solids (TDS)					
i	Conductivity/TDS Bench Top Meter with Probe (MODEL: HQ430D) For specifications see Annexure A	HACH, Germany or Equivalent	1.0 No / .		1	
ii	Conductivity Standard Solution, 1413 µS/cm.	HACH, Germany or Equivalent	500.0 ml / BTL		1	
2	Biological Oxygen Demand (BOD)	HACH, Germany or Equivalent				
i	BOD track (MODEL: BOD DIRECT PLUS) For specifications see Annexure B	HACH, Germany or Equivalent	1.0 No / .		1	
ii	Thermostat cabinet for BOD Incubator (MODEL: LZQ080) For specifications see Annexure C	HACH, Germany or Equivalent	1.0 No / .		1	
3	MLVSS/MLSS/TSS					
i	Muffle Furnace (MODEL: LEF 205S-0) For specifications see Annexure D (authorization dealer ship not required)	LABTECH, Korea or Equivalent	1.0 No / .		1	
ii	Desiccator Glass 210 mm	CitoTest, China or Equivalent	1.0 No / .		1	
iii	Filtration Assembly Glass (Solvent F. Appratus) including Tong and Filter Paper 47mm GF/C	ZenithLab, USA or Equivalent	1.0 No / .		1	
iv	Vacuum Pump Heavy Duty (MODEL: LH-85) for specifications see Annexure E	ZenithLab, USA or Equivalent	1.0 No / .		1	
	General Lab equipment's					
4	Automatic Jar Tester (Flocculator) For 6 Samples (MODEL: JLT-6) For specifications see Annexure F	Velp Scientific, Italy or Equivalent	1.0 No / .		1	
5	Imhoff Cone Screw Closure 1L Polycarbonate with stand	HACH, Germany or Equivalent	1.0 No / .		3	
6	Fume Hood For specifications see Annexure G	Toptec Pakistan or Equivalent	1.0 No / .		1	
7	Sample Storage Fridge (MODEL: VCS-13) Cabinet Dimenions: 575 x 615 x 1950 Volume: 400 Liters Operating Temperature: 0 to 7.2 Oc For specifications see Annexure H (authorization dealer ship not required)	Varioline Intercool or Equivalent	1.0 No / .		1	

8	Water Bath 9 Liter (MODEL: DK-420) for specifications see Annexure I	ZenithLab,USA or Equivalent	1.0 No / .		1	
9	Ceramic Magnetic Stirrer with Hot Plate (MODEL: MHS-A) for specifications see Annexure J	ZenithLab,USA or Equivalent	1.0 No / .		1	
10	Ice Box for Sampling / 10 LITERS (authorization dealer ship not required)	Pakistan	1.0 No / .		1	
Glassware						
11	Measuring Cylinder Glass 10 ml	CitoTest, China or Equivalent	1.0 No / .		6	
12	Measuring Cylinder Glass 25 ml	CitoTest, China or Equivalent	1.0 No / .		6	
13	Measuring Cylinder Glass 50 ml	CitoTest, China or Equivalent	1.0 No / .		6	
14	Measuring Cylinder Glass 100 ml	CitoTest, China or Equivalent	1.0 No / .		6	
15	Measuring Cylinder Glass 250 ml	CitoTest, China or Equivalent	1.0 No / .		6	
16	Measuring Cylinder Glass 500 ml	CitoTest, China or Equivalent	1.0 No / .		6	
17	Measuring Cylinder Glass 1000 ml	CitoTest, China or Equivalent	1.0 No / .		6	
18	Flask Volumetric Glass 25 ml.	CitoTest, China or Equivalent	1.0 No / .		4	
19	Flask Volumetric Glass 50 ml.	CitoTest, China or Equivalent	1.0 No / .		4	
20	Flask Volumetric Glass 100 ml.	CitoTest, China or Equivalent	1.0 No / .		4	
21	Flask Volumetric Glass 250ml.	CitoTest, China or Equivalent	1.0 No / .		4	
22	Flask Volumetric Glass 500ml.	CitoTest, China or Equivalent	1.0 No / .		4	
23	Flask Volumetric Glass 1000ml.	CitoTest, China or Equivalent	1.0 No / .		4	
24	Flask Conical Glass 100ml.	CitoTest, China or Equivalent	1.0 No / .		10	
25	Flask Conical Glass 250ml.	CitoTest, China or Equivalent	1.0 No / .		10	
26	Flask Conical Glass 500ml.	CitoTest, China or Equivalent	1.0 No / .		4	
27	Flask Conical Glass 1000ml.	CitoTest, China or Equivalent	1.0 No / .		4	
28	Beaker Glass 100 ml.	CitoTest, China or Equivalent	1.0 No / .		12	
29	Beaker Glass 250 ml.	CitoTest, China or Equivalent	1.0 No / .		12	
30	Beaker Glass 500 ml.	CitoTest, China or Equivalent	1.0 No / .		12	

31	Beaker Glass 1000 ml.	CitoTest, China or Equivalent	1.0 No / .		12	
32	Beaker Plastic 100 ml.	CitoTest, China or Equivalent	1.0 No / .		10	
33	Beaker Plastic 250 ml.	CitoTest, China or Equivalent	1.0 No / .		10	
34	Beaker Plastic 600 ml.	CitoTest, China or Equivalent	1.0 No / .		10	
35	Beaker Plastic 1000 ml.	CitoTest, China or Equivalent	1.0 No / .		10	
36	Measuring Cylinder Plastic 100 ml	CitoTest, China or Equivalent	1.0 No / .		10	
37	Measuring Cylinder Plastic 250 ml	CitoTest, China or Equivalent	1.0 No / .		10	
38	Measuring Cylinder Plastic 500 ml	CitoTest, China or Equivalent	1.0 No / .		10	
39	Measuring Cylinder Plastic 1000 ml	CitoTest, China or Equivalent	1.0 No / .		10	
40	Pipette Graduated Glass 1 ml.	CitoTest, China or Equivalent	1.0 No / .		6	
41	Pipette Graduated Glass 2 ml	CitoTest, China or Equivalent	1.0 No / .		6	
42	Pippet Graduated 5ml	CitoTest, China or Equivalent	1.0 No / .		6	
43	Pipette Graduated Glass 10 ml	CitoTest, China or Equivalent	1.0 No / .		6	
44	Pipette Graduated Glass 25ml	CitoTest, China or Equivalent	1.0 No / .		6	
45	Pipette Graduated Glass 50 ml	CitoTest, China or Equivalent	1.0 No / .		6	
46	Reagent Bottle W/M 125ml	CitoTest, China or Equivalent	1.0 No / .		12	
47	Reagent Bottle W/M 250 ml.	CitoTest, China or Equivalent	1.0 No / .		12	
48	Reagent Bottle W/M 500 ml.	CitoTest, China or Equivalent	1.0 No / .		6	
49	Reagent Bottle W/M 1000 ml.	CitoTest, China or Equivalent	1.0 No / .		6	
50	Sample Bottle Plastic 125ml Autoclavable	CitoTest, China or Equivalent	1.0 No / .		50	
51	Sample Bottle Plastic 250ml Autoclavable	CitoTest, China or Equivalent	1.0 No / .		50	
52	Sample Bottle Plastic 500ml Autoclavable	CitoTest, China or Equivalent	1.0 No / .		24	
53	Sample Bottle Plastic 1 LTR	CitoTest, China or Equivalent	1.0 No / .		24	
54	Micropipette Semi Automatic 0.5-10 ul	CitoTest, China or Equivalent	1.0 No / .		2	

55	Micropipette Semi Automatic 0.1-100 ul	CitoTest, China or Equivalent	1.0 No / .		2	
56	Micropipette Semi Automatic 10-100 ul	CitoTest, China or Equivalent	1.0 No / .		2	
57	Micropipette Semi Automatic 100-1000 ul	CitoTest, China or Equivalent	1.0 No / .		2	
58	Hygrometer (Temp. + Humidity) (authorization dealer ship not required)	China	1.0 No / .		4	
59	Jug Plastic 250 ml.	CitoTest, China or Equivalent	1.0 No / .		12	
60	Jug Plastic 500 ml.	CitoTest, China or Equivalent	1.0 No / .		12	
61	Jug Plastic 1000 ml.	CitoTest, China or Equivalent	1.0 No / .		12	
62	Lab Counter Table Furniture					
	Material: MS Powder Coated 18 SWG Structure: Sheet Frame Sizes: (LxDxH) 36"x 24"x 34" Door: 1 Draw , 2 Cabinet Door Top Sheet: Phenolic Local/Bakelite Electrical Panel: Installed as per table size (2 Sockets) Without Wire. Colour: As Per Client Choice Accessories: SS Premium Handle Leg Space: All Front Closed All Structure 18 SWG	Local	Complete Job		10	

63	Wall Mounted Cabinets					
	Material: MS Powder Coated 18 SWG, Structure: Sheet Frame Sizes: L 36"x D 15"x H 24" , Door: 2 Cabinet Door with glass Colour: As Per Client Choice, Accessories: SS Premium Handle All Structure 18 SWG	Local	Complete Job		10	
64	Lab Stainless Steel Sink					
	Material: Stainless Steel 18 SWG, Structure: Sheet Frame, Sizes: L 36"x D 24"x H 34", Door: 2 Cabinet Door, Top Sheet: Stainless Steel 304 Accessories: SS Premium Handle, All Front Closed Sink: Stainless steel with SS Tab	Local	Complete Job		1	
65	Office Desk					
	Desk with side rack made in laminated mdf, base made in powder coated M.S. Dimensions = W 6' x D 3' x H 2.5' Side Rack Dimensions = W 36" x D 18" x H 30" Drawer Pedestal made in laminated MDF Dimensions w 22" x D 20" x H 24" Accessories: SS Premium Handle	Local	Complete Job		2	
66	Office Chair					

	Executive Chair, high in quality, durable and comfortable. Specs: High Back Chair Adjustable Mesh Back & Seat Adjustable lumbar support 4D Armrest Adjustable Headrest 4 Level Locking Tilting Mechanism Height Adjustable Durable Aluminum Base PU Castors Size: 28" W X 24" D X 46" H	Local	Complete Job		2	
67	Visitor Chair					
	Visitor Chairs, Specification: Size: 23 W 18 D 37.4 H (Inches) Material: Leatherette Padded Back and Seat Base: Metallic Base in Chromed Finish Arms: Wooden Armrest Finish: Jacobean Polish Finish Key Features: Striking Design: chic and elegant, the wooden armrests provide a natural and warm touch to the chair while a Jacobean polish finish adds a touch of richness and depth to the overall design. Padded Back and Seat: leatherette material	Local	Complete Job		2	
68	Central Working Island Table with reagents shelf					
	Material: MS Powder Coated 18 SWG Stucture: Sheet Frame Sizes: L 96"x W 48"x H 34" Door: 2 Cabinet Door Top Sheet: Phenolic Local/Bakelite Electrical Panel: Installed as per table size (2 Sockets) Without Wire. Colour: As Per Client Choice Accessiores: SS Pruumum Handle Leg Space: All Front Closed All Sturture 18 SWG	Local	Complete Job		1	
69	Laboratory Stool with Back Support					

<p>Type Laboratory stool with back support Design Ergonomic, anti-fatigue Rotation 360° swivel Seat Material Polyurethane (PU) / PU foam / Vinyl, Backrest PU foam padded ergonomic support Frame/Base Stainless steel / Chrome-plated steel, Leg Structure 5-star base (heavy-duty) Surface Property Chemical resistant, easy to clean, Seat Diameter 300 – 400 mm Seat Height (Adjustable) 430 – 850 mm Backrest Size ~300 × 200 mm Base Diameter ~500 – 600 mm</p> <ul style="list-style-type: none"> • Height Adjustment: Gas lift / hydraulic mechanism • Back Support: Ergonomic lumbar support • Swivel: 360° rotation • Foot Ring: For high benches • Load Capacity: Typically, 100–150 kg • Anti-rust metal frame • Non-slip base or anti-static wheels • Easy-clean surface (chemical spill resistant) 	Local	Complete Job		4
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TOTAL Amount (Inclusive of all Taxes)	
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Payment Terms:

The payment will be made through cross cheque in the name of successful company as per following schedule

- i. Delivery time for successful bidder is 90 days. **100%** on full delivery at BOM-SIE Office after acceptance note, Payment invoice will be submitted with documents i.e. Warranty Certificate, Inspection Certificate, Certificate of origin, Acceptance

Note:

In case of difference between unit price and total price, unit price shall prevail and total price shall be “final”. *(Please refer ITB clause 2.5.6).*

In case of difference between amount in “words” and amount in “figures”, amount in “words” shall be considered final.

Stamp & Signature of Bidder _____

8.11. Bid Security Form

[To be signed & stamped by the Bidder and reproduced on the letter head. To be attached with Financial Bid]

Whereas *[name of the Bidder]* (hereinafter called “the Bidder”) has submitted its Bid dated *[date of submission of Bid]* for the supply of *[name and/or description of the goods]* (hereinafter called “the Bid”).

KNOW ALL PEOPLE by these presents that WE *[name of bank]* of *[name of country]*, having our registered office at *[address of bank]* (hereinafter called “the Bank”), are bound unto *[name of Procuring Agency]* (hereinafter called “the Procuring Agency”) in the sum of for which payment well and truly to be made to the said Procuring Agency, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this ____ day of _____ 20____.

THE CONDITIONS of this obligation are:

1. If the Bidder withdraws its Bid during the period of Bid validity specified by the Bidder on the Bid Form; or
2. If the Bidder, having been notified of the acceptance of its Bid by the Procuring Agency during the period of Bid validity:
 - (a) fails or refuses to execute the Contract Form, if required; or
 - (b) fails or refuses to furnish the Performance Guarantee, in accordance with the Instructions to Bidders;

we undertake to pay to the Procuring Agency up to the above amount upon receipt of its first written demand, without the Procuring Agency having to substantiate its demand, provided that in its demand the Procuring Agency will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including thirty (30) days after the period of Bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

[Signature of the bank]

[The Procuring Agency may alter or modify the details of this form in accordance with PPR-14 keeping in view its requirements, nature of procurement i.e. Bulk/Framework, item wise/package wise and form of contract to be adopted (i.e. DDP, CIF, C&F, FOR, FOP etc. if applicable) However, for a standard procurement/contract contents of a generalized this Form may be as provided above.]

Section IX- Check List

[To be signed and stamped and presented on Bidder's letter head pad]

The provision of this checklist is essential prerequisite along with submission of tenders (with technical proposal).

Sr. #	Detail	Responsive	Non-responsive
1	2% Bid Security of estimated cost of articles / items given by the department. The Bid security must be submitted before opening of Tender		
2	Active Registration with Income Tax Authorities (National Tax Number NTN) at least Two years old		
3	Copy of active Registration with Sales Tax Authorities (STRN)		
4	Financial Bid Form (as per form 8.1 of Bidding documents) duly signed and stamped.		
5	Bid Security Form (as per form 8.11 of Bidding documents) duly signed and stamped.		
6	General Information Form (as per form 8.5 of Bidding documents) duly signed and stamped.		

Stamp & Signature of Bidder _____

[The Procuring Agency may alter or modify the details of this form in accordance with PPRA-14 keeping in view the nature and scope of the procurement and as per its requirements.]