



**PCSIR HEAD OFFICE ISLAMABAD  
MINISTRY OF SCIENCE & TECHNOLOGY  
(GOVT. OF PAKISTAN)**

**STANDARD FORM OF BIDDING DOCUMENTS FOR  
EXECUTION OF CIVIL WORKS**

**“Establishment of Material Resource Center and Development  
of Additive Manufacturing & Reverse Engineering Facility at  
PCSIR Laboratories Complex, Karachi” ,**

**MARCH, 2026**

# **BIDDING DOCUMENTS FOR E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI**

## **PART-A–BIDDING PROCEDURE & REQUIREMENTS**

### **Section I-Invitation to E-Bid**

### **Section II-Instructions to Bidders (ITB)**

This Section provides information to help Bidders prepare their Bids. Information is provided for the submission, opening, and evaluation of Bids and for the award of the Contract.

### **Section III- Bid Data Sheet (BDS)**

This Section includes provisions specific to procurement and to supplement Section-II, Instructions to Bidders.

### **Section IV- Eligible Countries**

This Section contains information regarding eligible countries.

### **Section V- Evaluation and Qualification Criteria**

This section contains information regarding evaluation and qualification criteria including domestic preference.

### **Section VI- Works Requirements, Technical Specifications, Drawings, Supplementary Information and Bill of Quantities**

This Section includes the standard forms for the Bid Submission, Price Schedules, and Bid Security etc. These forms are to be completed and submitted by the Bidder as part of the Bid.

### **Section VII – Standard Bidding Forms**

This Section includes the standard forms for the Bid Submission, Price Schedules, and Bid Security etc. These forms are to be completed and submitted by the Bidder as part of its Bid.

## **PART-B–CONDITIONS OF CONTRACT AND CONTRACT FORMS**

### **Section VIII – General Conditions of Contract (GCC)**

This Section includes the general clauses to be applied in all the contracts.

### **Section IX – Special Conditions of Contract (SCC)**

This Section consists of Contract Specific general and special conditions.

### **Section X- Contract Forms**

This Section contains forms which, once completed, will become part of the Contract. The forms for **Performance Security** will be submitted by the successful bidder to whom Letter of Acceptance is issued, before the award of contract.

### **Integrity Pact**

The successful bidder shall be required to furnish Integrity Pact as per the attached format.

**PART-A**  
**BIDDING PROCEDURE & REQUIREMENTS**

*SECTION – I : INVITATION TO E-BID*



**Ministry of Science & Technology**  
**Pakistan Council of Scientific & Industrial Research (PCSIR)**  
(Head Office, 1-Constitution Avenue, Sector G-5/2 Islamabad.)

## **NOTICE INVITING TENDER**

The Pakistan Council Of Scientific and Industrial Research Head Office, Islamabad, invites sealed tenders, through e-Pak Acquisition & Disposal System (EPADS) <http://eprocure.gov.pk> under the project titled "Establishment of Material Resource Center and Development of Additive Manufacturing & Reverse Engineering Facility at PCSIR Laboratories Complex, Karachi" from well reputed firm & registered in C-04 or above category with PEC Building Codes (CE-09, CE-10, EE-04, ME-06), the Contractors and Government Contractors registered with Income Tax, Sindh Revenue Board and Sales Tax Department and who are on Active Tax Payer on List of FBR.

### **TERMS & CONDITIONS**

- Interested bidders are requested to on the (EPADS) register themselves <http://eprocure.gov.pk/#/supplier/registration> and submit their tender documents.
- Closing date of submission is **April 16<sup>th</sup>, 2026 by 11:00** hours. The bids shall be opened half hour after the closing time in the presence of the bidders who wish to be present at PCSIR Head Office, G-5/2, Islamabad.
- Tender Documents containing specifications of Civil Works along with terms & conditions can be collected from the address mention below from **April 01<sup>st</sup>, 2026 to April 15<sup>th</sup> 2026** during office hours on payment of Rs. 3000/- (Non-Refundable) in cash or could be downloaded through EPAD.
- Single stage two envelopes process will be adopted.
- **Rs. 3,80,000/-** earnest money is to be deposited in shape of bank draft/call deposit from any schedule bank in favour of the Director (Works) PCSIR.
- The place of work will be PCSIR Laboratoires Complex, Karachi.

**DIRECTOR (PROCUREMENT)**

PCSIR Head Office, 1 Constitution Avenue, G-5/2, Islamabad. Phone No. 051-9225384

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## **SECTION II : INSTRUCTION TO BIDDERS (ITBs)**

## **A. Introduction**

<p><b>1.Scope of Bid</b></p>	<p>1.1</p>	<p>The Procuring agency/Employer (PA), as indicated in the <b>Bid Data Sheet</b> (BDS) invites Bids for the execution of Works as specified in the BDS and <b>Section V- Works Requirements</b>. The name, identification, and number of lots (contracts) of this National/ International Competitive Bidding process are specified in the BDS.</p>
<p><b>2.Source of Funds</b></p>	<p>2.1</p>	<p>Source of funds as referred in <b>Bid Data Sheet</b>.</p>
<p><b>3.Eligible Bidders</b></p>	<p>3.1</p>	<p>A bidder may be natural person, company or firm or public or semi-public agency of Pakistan or any foreign country, or any combination of them with a formal existing agreement (on Judicial Papers) in the form of a joint venture or consortium. In the case of a joint venture or consortium, 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 or consortium shall nominate a Lead Member as nominated in the <b>BDS</b>, who shall have the authority to conduct all business for and on behalf of any and all the members of the joint venture or consortium during the Bidding process, and in case of award of contract, during the execution of contract.</p> <p><i>(The limit on the number of members of JV or Consortium may be prescribed in BDS, in accordance with the guidelines issued by the PPRA).</i></p>
	<p>3.2</p>	<p>The appointment of Lead Member in the joint venture or consortium shall be confirmed by submission of a valid Power of Attorney to the Procuring agency/Employer</p>
	<p>3.3</p>	<p>Verifiable copy of the agreement that forms a joint venture or consortium shall be required to be submitted as part of the Bid.</p>
	<p>3.4</p>	<p>Any bid submitted by the joint venture or consortium shall indicate the part of proposed contract to be performed by each party and each party shall be evaluated (or post qualified if required) with respect to its contribution only, and the responsibilities of each party shall not be substantially altered without prior written approval of the Procuring agency/Employer and in line with any instructions issued by the Authority.</p>

	3.5	The invitation for bids is open to all prospective bidders subject to any provisions of incorporation or licensing by the respective national/international incorporating agency or statutory body established for that particular trade or business.
	3.6.	Foreign Bidders must be locally registered with the appropriate national incorporating body or the statutory body, before participating in the national/international competitive bidding with the exception of such procurements made by the foreign missions of Pakistan. For such purpose the bidder must have to initiate the registration process before the bid submission and the necessary evidence shall be submitted to the Procuring agency/Employer along with their bid, however, the final award will be subject to the complete registration process.
	3.7	<p>A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A Bidders may be considered to have a conflict of interest with one or more parties in this Bidding process, if they:</p> <ul style="list-style-type: none"> <li>a) are 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/Employer to provide consulting services for the preparation of design or technical specifications of the works that are the subject of the bid; or</li> <li>b) any of its affiliates has been hired (or is proposed to be hired) by the Procuring agency/Employer as Engineer for the Contract implementation; or</li> <li>c) The works to be executed are resulting from or directly related to consulting services for the preparation or implementation of the project that the bidder provided or were provided by any affiliate that directly or indirectly controls, is controlled by, or is under common control with that firm;</li> <li>d) have controlling shareholders in common; or</li> <li>e) receive or have received any direct or indirect subsidy from any of them; or</li> <li>f) have the same legal representative for purposes of this Bid; or</li> <li>g) 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/Employer regarding this Bidding process; or</li> <li>(h) Submit more than one bid in this bidding process.</li> </ul>

	3.8	<p>A Bidder may be ineligible if –</p> <ul style="list-style-type: none"> <li>(a) he is declared bankrupt or, in the case of company or firm, insolvent;</li> <li>(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;</li> <li>(c) legal proceedings are instituted 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;</li> <li>(d) the bidder is convicted, by a final judgment of a Court of Law or relevant Professional Statuary Body, of any offence involving professional conduct;</li> <li>(e) The bidder is debarred/ blacklisted by a national level Procuring agency/Employer and hence debarred due to involvement in corrupt and fraudulent practices, or performance failure or due to breach of bid securing declaration.</li> <li>(f) The bidder is blacklisted or debarred by a foreign country, international organization, or other foreign institutions for the period defined by them.</li> </ul>
	3.9	<p>Bidders shall provide to the Procuring agency/Employer evidence of their eligibility, proof of compliance with the necessary legal requirements to carry out the contract effectively.</p>
	3.10	<p>Bidders shall provide such evidence of their continued eligibility to the satisfaction of the Procuring agency/Employer, as the Procuring agency/Employer shall reasonably request.</p>
	3.11	<p>Bidders shall submit proposal relating to the nature, conditions and modalities of sub-contracting wherever the sub-contracting of any elements of the contract is envisaged.</p>
<p><b>4. Eligible Material and Equipment</b></p>	4.1	<p>All the material and equipment to be mobilized under the contract shall have their origin in eligible source countries, and all expenditures made under the contract will be limited to such materials and equipment. For this purpose, ineligible countries are stated in the section-IV titled as “Eligible Countries”.</p>

	4.2	For purposes of this Clause, “origin” means the place where the material, equipment is produced, manufactured, or processed, or through manufacture, procession, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its imported components or the place from where the services are/to be supplied.
	4.3	The nationality of the bidder shall not determine the origin of the material and equipment.
	4.4	To establish the eligibility of the material and equipment, Bidders shall fill the country-of-origin declarations included in the Form of Bid.
	4.5	If so required in the BDS, the Bidder shall demonstrate that it has been duly authorized for the construction of the said work as indicated in its BIDs.
<b>5. One Bid per Bidder</b>	5.1	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.
	5.2	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.
<b>6. Cost of Bidding</b>	6.1	The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Procuring Agency shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

**B- Bidding Documents**

<p><b>7.Contents of Bidding Documents</b></p>	<p>7.1</p>	<p>The Contents of the Bidding Documents listed below should be read in conjunction with any addenda issued in accordance with ITB 9.2 include:</p> <p><b>Section I-</b> Invitation to Bids</p> <p><b>Section II-</b> Instructions to Bidders (ITBs)</p> <p><b>Section III-</b> Bid Data Sheet (BDS)</p> <p><b>Section IV-</b> Eligible Countries</p> <p><b>Section V-</b> Works Requirements Technical Specifications &amp; Schedule of Requirements</p> <p><b>Section VI-</b> Standard Bidding Forms</p> <p><b>Section VII</b> General Conditions of Contract (GCC)</p> <p><b>Section VIII</b> Special Conditions of Contract (SCC)</p> <p><b>Section IX</b> Contract Forms</p>
	<p>7.2</p>	<p>The number of copies to be completed and submitted with the Bid is specified in the <b>BDS</b>.</p>
	<p>7.3</p>	<p>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 the signed pdf version downloaded from the website. However, procuring agency shall place both the PDF and same editable version to facilitate the bidder for the filling the standard bidding forms.</p>
	<p>7.4</p>	<p>The bidder is expected to examine all instructions, forms, specifications, terms and conditions prescribed in the bidding documents. Failure to furnish all the information required in the bidding documents will be at the bidder's risk and may result in the rejection of his bid.</p>
<p><b>8. Clarification of Bidding Documents, Pre-Bid Meeting and Site Visit</b></p>	<p><b>8.1</b></p>	<p>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 <b>BDS</b>.</p>
	<p>8.2</p>	<p>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 three (03) days prior to the deadline for the submission of Bids as prescribed in <b>ITB 24.1</b>. However, this clause shall not apply in case of alternate methods of Procurement.</p>

	8.3	<p>Copies of the Procuring Agency's response will be forwarded to all identified Prospective Bidders through an identified source of communication, including a description of the inquiry, but without identifying its source.</p> <p>In case of downloading of the Bidding Documents from the website of PA, the response of all such queries will also be available on the same link available at the website.</p>
	8.4	<p>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 <b>ITB9</b>.</p>
	8.5	<p>If indicated <b>in the BDS</b>, 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 <b>in the BDS</b>. During this pre-Bid meeting, prospective Bidders may request clarification of the schedule of requirement, the Evaluation Criteria or any other as parts of the Bidding Documents.</p>
	8.6	<p>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. 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 <b>ITB 9</b>. Non-attendance at the pre-Bid meeting will not be cause for disqualification of a Bidder.</p>
	8.7	<p>The bidder is advised to visit and examine the Site of Works and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the bidder's own expense.</p>
	8.8	<p>The bidder and any of its authorized personnel will be granted permission by the Procuring agency/Employer to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the bidder and its personnel will release and indemnify the Procuring agency/Employer from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.</p>

	8.9	No site visits shall be arranged or scheduled after the deadline for the submission of the Bids and prior to the award of Contract.
<b>9. Amendment of Bidding Documents</b>	9.1	Before the deadline for submission of Bids, the Procuring Agency for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder or pre-bid meeting may modify the Bidding Documents by issuing addenda.
	9.2	Any addendum issued including the notice of any extension of the deadline shall be part of the Bidding Documents pursuant to <b>ITB 7.1</b> and shall be communicated in writing or in any identified electronic form that provide record of the content of communication to all the bidders who have obtained the Bidding Documents from the Procuring Agency. The Procuring Agency shall promptly publish the Addendum at the Procuring Agency's web page identified in the BDS: Provided that the bidder who had either already submitted their bid or handed over the bid to the courier prior to the issuance of any such addendum shall have the right to withdraw his already filed bid and submit the revised bid prior to the original or extended bid submission deadline.
	9.3	To give prospective Bidders reasonable time in which to take an addendum/corrigendum into account in preparing their Bids, the Procuring Agency may, at its discretion, extend the deadline for the submission of Bids: Provided that the Procuring Agency shall extend the deadline for submission of Bid, if such an addendum is issued within last three (03) days of the Bid submission deadline.

**C. Preparation of Bids**

<p><b>10. Language of Bid</b></p>	<p>10.1</p>	<p>The Bid prepared by the Bidder, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the Procuring Agency shall be written in the English language unless otherwise specified in the <b>BDS</b>. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant pages in the English language unless specified in the <b>BDS</b>, in which case, for purposes of interpretation of the Bidder, the translation shall govern.</p>
<p><b>11. Documents Constituting the Bid</b></p>	<p>11.1</p>	<p>The bid prepared by the bidder shall constitute the following components: -</p> <ul style="list-style-type: none"> <li>a) Documentary evidence established in accordance with <b>ITB 11</b> that the material, equipment and services to be provided by the Bidder are eligible material, equipment and services, and conform to the Bidding Documents;</li> <li>b) Documentary evidence established in accordance with <b>ITB 12</b> that the bidder has been authorized to carry out the Construction works;</li> <li>c) Documentary evidence established in accordance with <b>ITB 12</b> that the bidder is eligible and/or qualified for the subject bidding process;</li> <li>d) Form of Bid and Bid Prices completed in accordance with <b>ITB 14 and 15</b>;</li> <li>e) Completed schedules as required, including priced Bill of Quantities in accordance with <b>ITB 13 &amp; 15</b>.</li> <li>f) Technical Proposal completed in all aspects in accordance with <b>ITB-17</b>.</li> <li>g) Bid security or Bid Securing Declaration furnished in accordance with <b>ITB 19</b>;</li> <li>h) Alternative bids if permissible, in accordance with <b>ITB 20</b>;</li> <li>i) Duly Notarized Power of Attorney authorizing the signatory of the Bidder to submit the bid; and</li> <li>j) Any other document required in the <b>BDS</b>.</li> </ul>
	<p>11.2</p>	<p>In addition to the requirements, bids submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members. Alternatively, a letter of intent to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all members and submitted with the bid, together with a copy of the proposed Agreement.</p>
	<p>11.3</p>	<p>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 material, equipment and works which the bidder proposes to execute.</p>

	11.4	<p>The documentary evidence of conformity of the material, equipment and works to the Bidding Documents may be in the form of literature, drawings, and data, and shall consist of:</p> <ol style="list-style-type: none"> <li>a) a detailed description of the work methodology, approach, schedule and resources to be mobilized at site;</li> <li>b) an item-by-item commentary on the Procuring agency/Employer’s Technical Specifications demonstrating substantial responsiveness of the material, equipment and works to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications;</li> <li>c) any other procurement specific documentation requirement as stated in the <b>BDS</b>.</li> </ol>
	1.5	<p>The required documents and other accompanying documents must be in English. In case any other language than English is used the pertinent translation into English shall be attached to the original version.</p>
<b>12. Documents Establishing Eligibility and Qualification of the Bidder</b>	12.1	<p>The bidder shall furnish, as part of its bid, all those documents establishing the bidder’s eligibility to participate in the bidding process and/or its qualification to perform the contract if its bid is accepted.</p>
	12.2	<p>The documentary evidence of the bidder’s eligibility to bid shall establish to the satisfaction of the Procuring agency that the bidder, at the time of submission of its bid, is from an eligible country as defined in Section-IV titled as “Eligible Countries”.</p>
	12.3	<p>The documentary evidence of the bidder’s qualification to perform the contract if its bid is accepted shall establish to the satisfaction of Procuring agency that:</p> <ol style="list-style-type: none"> <li>a) The bidder has the financial and technical capability necessary to perform the Contract, meets the qualification criteria specified in Section-V, Evaluation and Qualification Criteria and <b>BDS</b>.</li> <li>b) In the case of a bidder not doing business within Pakistan, the bidder is or will be (if awarded the contract) represented by a local bidder (Joint Venture) in accordance with the PEC works bylaws, and in case of award of works such foreign firm is required to participate in the execution of works to carry out its obligations as prescribed in the Conditions of Contract and /or Technical Specifications.</li> <li>c) That the bidder meets the qualification criteria listed in Section-V, Evaluation and Qualification Criteria and <b>BDS</b>.</li> </ol>
<b>13. Letter of Bid and Schedules</b>	3.1	<p>The Letter of Bid (Technical or Financial as the case may be) and Schedules, including the Bill of Quantities, shall be prepared using the relevant forms furnished in Standard Bid Forms. The forms must be completed without any alterations to the text, and no substitutes shall be accepted except as provided under <b>ITB 22</b>. All blank spaces shall be filled in with the information requested.</p>

<b>14. Form of Bid</b>	14.1	The bidder shall fill the Letter of Bid (Technical or Financial as the case may be) furnished in the bidding documents. The Standard Bid Forms must be completed without any alterations to its format and no substitute shall be accepted.
<b>15. Bid Prices</b>	15.1	The bid prices quoted by the bidder in the Standard bid Forms, Bill of Quantities and in the Price Schedules shall conform to the requirements specified below or exclusively mentioned hereafter in the bidding documents.
	5.2	The bidder shall fill in rates and prices for all items of the Works described in the Bill of Quantities. If a Price Schedule shows items listed but not priced, their prices shall be construed to be included in the prices of other items in the Bill of Quantities and will not be paid for separately by the Procuring agency/Employer.
	5.3	<p>Items not listed in the Price Schedule shall be assumed not to be included in the bid, and provided that the bid is still substantially responsive in their absence or due to their nominal nature, the corresponding average price of the respective item(s) of the remaining substantially responsive bidder(s) shall be construed to be the price of those missing item(s):</p> <p>Provided that:</p> <ul style="list-style-type: none"> <li>a) where there is only one (substantially) responsive bidder, or</li> <li>b) where there is provision for alternate proposals and the respective items are not listed in the other bids,</li> </ul> <p>The Procuring agency may fix the price of missing items in accordance with market survey, and the same shall be considered as final price.</p>
	5.4	The Bid price to be quoted in the Form of Bid in accordance with <b>ITB 15.1</b> shall be the total price of the bid.
	5.5	Unless otherwise specified in the <b>BDS</b> and the Contract, the rates and prices quoted by the bidder are subject to adjustment during the performance of the Contract in accordance with the provisions of the Conditions of Contract.
	5.6	If so specified in <b>ITB 1.1</b> , bids may be invited for contract.
	5.7	Prices quoted by the Bidder shall be fixed during the bidder's performance of the contract and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and shall be rejected, pursuant to <b>ITB 30</b> , unless otherwise price adjustment is permissible under Conditions of the Contract.
	5.8	All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause, as of the date twenty-eight (28) days prior to the deadline for submission of bids, shall be included in the rates and prices and the total bid price submitted by the bidder.

<b>16. Currencies of Bid and Payment</b>	16.1	<p>The currency(ies) of the bid and the currency(ies) of payments shall be as specified in the <b>BDS</b>.</p> <p>The Currency of the contract shall be Pakistani rupees unless other wise stated in <b>BDS</b>.</p>
	16.2	<p>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 (financial part of) bids specified in the bidding documents, as notified by the State Bank of Pakistan on that day.</p>
	6.3	<p>Bidders shall indicate details of their expected foreign currency requirements in the Bid, if prescribed in the BDS.</p>
	16.4	<p>Bidders may be required by the Procuring agency to clarify their foreign currency requirements, if prescribed in the BDS and to substantiate that the amounts included in Lump Sum and in the <b>SCC</b> are reasonable and responsive to <b>ITB 16.1</b>.</p>
<b>17. Documents Comprising the Technical Proposal</b>	17.1	<p>The bidder shall furnish a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in SECTION IV – <b>Standard Bid Forms</b>, in sufficient detail to demonstrate the adequacy of the bidder’s proposal to meet the work requirements and the completion time.</p>
<b>18. Bid Validity Period</b>	18.1	<p>Bids shall remain valid for the period specified in the <b>BDS</b> after the Bid submission deadline prescribed by the Procuring Agency. A Bid valid for a shorter period shall be rejected by the Procuring Agency as non-responsive. The period of Bid validity will be determined from the complementary bid securing instrument i.e., the expiry period of bid security or bid securing declaration as the case may be.</p>
	18.2	<p>Under exceptional circumstances, prior to the expiration of the initial Bid validity period, the Procuring Agency may request the Bidders’ consent to an extension of the period of validity of their Bids only once, for the period not more than the period of initial bid validity. The request and the Bidders responses shall be made in writing or in electronic forms that provide record of the content of communication. The Bid Security provided under <b>ITB19</b> shall also be suitably extended. A Bidder may refuse the request without forfeiting its Bid security or causing to be executed its Bid Securing Declaration. A Bidder agreeing to the request will not be required nor permitted to modify its Bid, but will be required to extend the validity of its Bid Security or Bid Securing Declaration for the period of the extension, and in compliance with <b>ITB19</b> in all respects.</p>

<b>19. Bid Security or Bid Securing Declaration</b>	19.1	Pursuant to <b>ITB 11</b> , unless otherwise specified in the <b>BDS</b> , the Bidder shall furnish as part of its Bid, a Bid Security in form of fixed amount not exceeding five percent of the estimated value of procurement determined by the procuring agency and in the amount and currency specified in the <b>BDS</b> or Bid Securing Declaration as specified in the <b>BDS</b> in the format provided in <b>Section VI (Standard Forms)</b> .
	19.2	The Bid Security or Bid Securing Declaration is required to protect the Procuring agency against the risk of Bidder's conduct before award of the contract to the most advantageous bidder which would warrant the security's forfeiture, pursuant to <b>ITB 19.9</b> .
	19.3	<p>The Bid Security shall be denominated in the local currency or in another freely convertible currency, and it shall be in the form specified in the <b>BDS</b> which shall be in any of the following:</p> <ul style="list-style-type: none"> <li>a) A bank guarantee, an irrevocable letter of credit issued by a Scheduled bank in the form provided in the Bidding Documents or another form acceptable to the Procuring agency and valid for twenty-eight (28) days beyond the end of the validity of the Bid. This shall also apply if the period for Bid Validity is extended. In either case, the form must include the complete name of the bidder;</li> <li>b) A cashier's or certified cheque; or</li> <li>c) Another security as indicated in the <b>BDS</b>.</li> </ul>
	19.4	The Bid Security or Bid Securing Declaration shall be in accordance with the Form of the Bid Security or Bid Securing Declaration included in <b>Section VI (Standard Forms)</b> or another form approved by the Procuring Agency prior to the Bid submission.
	19.5	The Bid Security shall be payable promptly upon written demand by the Procuring Agency in case any of the conditions listed in <b>ITB19.9</b> are invoked.
	19.6	Any Bid not accompanied by a Bid Security or Bid Securing Declaration in accordance with <b>ITB 19.1 or 19.3</b> shall be rejected by the Procuring Agency as non-responsive, pursuant to <b>ITB 30</b> .

	19.7	<p>Unsuccessful bidders' Bid Security will be discharged or returned as promptly as possible, however in no case later than thirty (30) days after the expiration of the period of Bid Validity prescribed by the Procuring agency pursuant to <b>ITB 18</b>. The Procuring agency shall make no claim to the amount of the Bid Security, and shall promptly return the Bid Security document, after whichever of the following that occurs earliest:</p> <ul style="list-style-type: none"> <li>(a) The expiry of the Bid Security;</li> <li>(b) The entry into force of a procurement contract and the provision of a performance security (or guarantee), for the performance of the contract if such a security (or guarantee), is required by the Bidding documents;</li> <li>(c) The rejection by the Procuring agency of all Bids;</li> <li>(d) The withdrawal of the bid prior to the deadline for the submission of bids, unless the bidding documents stipulate that no such withdrawal is permitted.</li> </ul>
	19.8	<p>The successful Bidder's Bid Security will be discharged upon the Bidder signing the contract pursuant to <b>ITB 47</b>, or furnishing the performance guarantee, pursuant to <b>ITB 48</b>.</p>
	19.9	<p>The Bid Security may be forfeited or the Bid Securing Declaration executed:</p> <ul style="list-style-type: none"> <li>a) if a Bidder: <ul style="list-style-type: none"> <li>i) Withdraws its Bid during the period of Bid Validity as specified by the Procuring agency/Employer, and referred by the bidder on the Form of Bid except as provided for in <b>ITB 18.2</b>; or</li> <li>ii) Does not accept the correction of errors pursuant to <b>ITB 32</b>; or</li> </ul> </li> <li>b) In the case of a successful bidder, if the bidder fails: <ul style="list-style-type: none"> <li>i) to sign the contract in accordance with <b>ITB 47</b>; or</li> <li>ii) to furnish performance security (or guarantee) in accordance with <b>ITB 48</b>.</li> </ul> </li> </ul>
<b>20. Alternative Bids by Bidders</b>	20.1	<p>Bidders shall submit offers that comply with the requirements of the bidding documents, including the basic bidder's technical design as indicated in the specifications and Bill of Quantities. Alternatives will not be considered, unless specifically allowed for in the <b>BDS</b>. If so allowed, <b>ITB 20</b> shall prevail.</p>
	20.2	<p>When alternative schedule for execution of works is explicitly invited, a statement of that effect will be included in the <b>BDS</b> as will the method for evaluating different schedule for execution of works.</p>

	20.3	If so allowed in the <b>BDS</b> , bidders wishing to offer technical alternatives to the requirements of the bidding documents must also submit a bid that complies with the requirements of the bidding documents, including the basic technical design as indicated in the specifications. In addition to submitting the basic bid, the bidder shall provide all information necessary for a complete evaluation of the alternative by the Procuring agency/Employer, including technical specifications, breakdown of prices, and other relevant details. Only the technical alternatives, if any, of the Most Advantageous Bidder conforming to the basic technical requirements (without altering the bid price) shall be considered by the Procuring agency/Employer.
<b>21. Withdrawal, Substitution, and Modification of Bids</b>	21.1	Before bid submission deadline, any bidder may withdraw, substitute, or modify its Bid after it has been submitted by sending a written notice, duly signed by an authorized representative, and the corresponding substitution or modification must accompany the respective written notice.
	21.2	Bids requested to be withdrawn in accordance with <b>ITB 21.1</b> shall be returned unopened to the Bidders.
<b>22. Format and Signing of Bid</b>	22.1	The Bidder shall prepare an original and the number of copies of the Bid as indicated in the <b>BDS</b> , clearly marking each “ORIGINAL” and “COPY,” as appropriate. In the event of any discrepancy between them, the original shall prevail: Provided that except in Single Stage One Envelope Procedure, the Bid shall include only the copies of technical proposal.
	22.2	The original and the copy or copies of the Bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as specified in the <b>BDS</b> 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, except for un-amended printed literature, shall be Initialed by the person or persons signing the Bid.
	22.3	Any interlineations, erasures, or over writing shall be valid only if they are signed by the person or persons Signing the Bidder.

**D. Submission of Bids**

<b>23. Sealing and Marking of Bids</b>	23.1	<p>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.</p> <p><b>Note:</b> The envelopes shall be sealed and marked in accordance with the bidding procedure adopted as referred in Rule-36 of PPR-2004.</p>
	23.2	<p>The inner and outer envelopes shall:</p> <ul style="list-style-type: none"><li>a) be addressed to the Procuring Agency at the address given in the <b>BDS</b>; and</li><li>b) bear the title of the subject procurement or Project name, as the case may be as indicated in the <b>BDS</b>, the Invitation to Bids (ITB) title and number indicated in the <b>BDS</b>, and a statement: “DO NOT OPEN BEFORE,” to be completed with the time and the date specified in the <b>BDS</b>, pursuant to <b>ITB 24.1</b>.</li></ul>
	23.3	<p>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:</p> <ul style="list-style-type: none"><li>a) Bidder shall submit his <b>TECHNICAL PROPOSAL</b> and <b>FINANCIAL PROPOSAL</b> in separate inner envelopes and enclosed in a single outer envelope.</li><li>b) <b>ORIGINAL</b> and each copy of the Bid shall be separately sealed and put in separate envelopes and marked as such.</li><li>c) The envelopes containing the <b>ORIGINAL</b> and copies will be put in one sealed envelope and addressed/identified as given in Sub-Clause <b>23.2</b>.</li></ul>

	23.4	<p>The inner and outer envelopes shall:</p> <ul style="list-style-type: none"> <li>a) Be addressed to the Procuring Agency at the address provided in the Bidding Data;</li> <li>b) Bear the name and identification number of the contract as defined in the Bidding Data; and provide a warning not to open before the time and date for bid opening, as specified in the Bidding Data. pursuant to <b>ITB 24.1</b>.</li> <li>c) In addition to the identification required in Sub- Clause <b>ITB 23</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 Clause <b>ITB.25</b></li> </ul>
	3.5	<p>If all envelopes are not sealed and marked as required by <b>ITB23.2, ITB23.3</b> and <b>ITB23.4</b> or incorrectly marked, the Procuring Agency will assume no responsibility for the Misplacement or premature opening of Bid.</p>
<b>24. Deadline for Submission of Bids</b>	24.1	<p>Bids shall be received by the Procuring Agency no later than the date and time specified in the <b>BDS</b>.</p>
	24.2	<p>The Procuring Agency may, in exceptional circumstances and at its discretion, extend the deadline for the submission of Bids by amending the Bidding Documents in accordance with <b>ITB 9</b>, in which case all rights and obligations of the Procuring Agency and Bidders previously subject to the deadline will the re-after be subject to the new dead line.</p>
<b>25. Late Bids</b>	25.1	<p>The Procuring Agency shall not consider for evaluation any Bid that arrives after the dead line for submission of Bids, in accordance with <b>ITB 24</b>.</p>
	25.2	<p>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.</p>
<b>26. Withdrawal, Substitution, and Modification of Bids</b>	26.1	<p>A Bidder may withdraw, substitute, or modify its bid after submission, provided that written notice of the withdrawal, substitution, or modification is received by the Procuring Agency prior to the deadline prescribed for bid submission. All notices must be duly signed by an authorized representative and shall include a copy of the authorization (the power of attorney).</p>

	26.2	<p>The Bidder modification, substitution or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of ITB Clauses 21 and 22 with the outer and inner envelopes additionally marked “MODIFICATION”, “SUBSTITUTION” OR “WITHDRAWAL” as appropriate. The notice may also be sent by electronic, telex and facsimile, but followed by a signed confirmation copy, post marked no later than the deadline for submission of Bids.</p>
	26.3	<p>Bids may only be modified by withdrawal of the original Bids and submission of a replacement Bid in accordance with sub-Clause <b>25.1</b>. Modifications submitted in any other way shall not be taken into account in the evaluation of Bids.</p>
	26.4	<p>No Bid may be withdrawn, replaced or modified 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 Form of Bid. Withdrawal of a Bid during this interval shall result in the Bidders for forfeiture of its Bid Security or execution of the Bid Securing Declaration.</p>
	26.5	<p>Revised bid may be submitted after the withdrawal of the original bid in accordance with the provisions referred in ITB 22 &amp; ITB 25.</p>

## E. OPENING AND EVALUATION OF BIDS

<b>27.Opening of Bids</b>	27.1	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 <b>BDS</b> . The bidders’ representatives present shall sign an attendance sheet as a proof of their attendance.
	27.2	First, envelopes marked “ <b>WITHDRAWAL</b> ” 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.
	27.3	Second, outer envelopes marked “ <b>SUBSTITUTION</b> ” 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.
	27.4	Next, outer envelopes marked “ <b>MODIFICATION</b> ” 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.
	27.5	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 and of any alternative bid (if alternatives have been requested or permitted), 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.

	27.6	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 <b>BDS</b> in the presence of bidder's 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.
	27.7	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) whether there is a modification or substitution; (c) the presence of a Bid Security or Bid Securing Declaration, if required; and (d) Any other details as the Procuring agency may consider appropriate.
	27.8	Bids not opened and not read out at the bid opening shall not be considered further for evaluation, irrespective of the circumstances.
	27.9	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.
	27.10	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 <b>ITB 25</b> .
	27.11	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 and the presence or absence of a Bid Security or Bid Securing Declaration.
	27.12	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. A copy of the record shall be distributed to all the bidders.
	27.13	A copy of the minutes of the bid opening shall be furnished to individual bidders upon request.

	27.14	In case of Single Stage Two Envelop Bidding Procedure, after the evaluation and approval of technical proposal the procuring agency, shall at a time within the bid validity period, publicly open the financial proposals of the technically accepted bids only. The financial proposal of bids found technically non-responsive shall be returned unopened to the respective bidders subject to redress of the grievances from all tiers of grievances.
<b>28. Confidentiality</b>	28.1	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.
	28.2	Any effort by a Bidder to influence the Procuring Agency processing of Bids or award decisions may result in the rejection of its Bid.
	28.3	Notwithstanding <b>ITB 28.2</b> 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.
<b>29. Clarification of Bids</b>	29.1	To assist in the examination, evaluation and comparison of bids, the Procuring agency may, ask any bidder for a clarification of its bid including breakdown of prices invariably in writing. Any clarification submitted by a bidder that is not in response to a request by the Procuring agency shall not be considered.
	29.2	The request for clarification and the response shall be in writing or in electronic forms that provide record of the content of communication. No change in the prices or substance of the bid shall be sought, offered, or permitted, except clarification for the correction of arithmetic errors discovered by the Procuring agency during the evaluation of bids which shall be sought in accordance with <b>ITB 32</b> .

	29.3	<p>The alteration or modification in the bid which in any case affect the following parameters will be considered as a change in the substance of a bid:</p> <ul style="list-style-type: none"> <li>a) Evaluation &amp; qualification criteria;</li> <li>b) Required scope of work;</li> <li>c) Contract price;</li> <li>d) All securities requirements;</li> <li>e) Tax requirements;</li> <li>f) Terms and conditions of bidding documents.</li> <li>g) Change in the ranking of the bidder</li> </ul>
	29.4	<p>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.</p>
<b>30. Preliminary Examination of Bids</b>	30.1	<p>Prior to the detailed evaluation of bids, the Procuring agency will determine whether each bid:</p> <ul style="list-style-type: none"> <li>a) Meets the eligibility criteria defined in <b>ITB 3</b> and <b>ITB 4</b>;</li> <li>b) has been prepared as per the format and contents defined by the Procuring agency in the bidding documents;</li> <li>c) has been properly signed;</li> <li>d) is accompanied by the required securities; and</li> <li>e) is substantially responsive to the requirements of the bidding documents.</li> </ul> <p>The Procuring agency/Employer's determination of a bid's substantial responsiveness will be based on the contents of the bid itself.</p>
	30.2	<p>A substantially responsive Bid is one which conforms to all the terms, conditions, and specifications of the Bidding Documents, without material deviation or reservation. A material deviation or reservation is one that: -</p> <ul style="list-style-type: none"> <li>a) Affects in any substantial way the scope, quality, or performance of the Works;</li> <li>b) Limits in any substantial way, inconsistent with the bidding documents, the Procuring agency/Employer's rights or the bidders' obligations under the Contract; or</li> <li>c) If rectified, would affect unfairly the competitive position of other bidders presenting substantially responsive bids.</li> </ul>

	30.3	<p>The Procuring agency will confirm that the documents and information specified under <b>ITB 11, 12 and 13</b> have been provided in the bid. If any of these documents or information is missing, or is not provided in accordance with the Instructions to Bidders, the bid shall be rejected.</p>
	30.4	<p>The Procuring agency may waive-off any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.</p> <p><b>Explanation:</b> <i>A minor informality, non-conformity or irregularity is one that is merely a matter of form and not of substance. It also pertains to some immaterial defect in a Bid or variation of a bid from the exact requirements of the invitation that can be corrected or waived without being prejudicial to other bidders. The defect or variation is immaterial when the effect on quantity, quality, or delivery is negligible when contrasted with the total cost or scope of the works. The Procuring agency either shall give the bidder an opportunity to cure any deficiency resulting from a minor informality or irregularity in a bid or waive the deficiency, whichever is advantageous to the Procuring agency/Employer. Examples of minor informalities or irregularities include failure of a bidder to –</i></p> <ul style="list-style-type: none"> <li>(a) <i>Submit the number of copies of signed bids required by the invitation;</i></li> <li>(b) <i>Furnish required information concerning the number of its employees;</i></li> <li>(c) <i>The firm submitting a bid has formally adopted or authorized, before the date set for opening of bids, the execution of documents by typewritten, printed, or stamped signature and submits evidence of such authorization and the bid carries such a signature.</i></li> </ul>
	30.5	<p>Provided that a Technical Bid is substantially responsive, the Procuring agency may request the bidder to submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the Technical Bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any such aspect of the technical Proposal linked with the ranking of the bidders. Failure of the bidder to comply with the request may result in the rejection of its bid.</p>

	30.6	Provided that a Technical Bid is substantially responsive, the Procuring agency shall rectify quantifiable nonmaterial nonconformities or omissions related to the Financial Proposal. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of the missing or nonconforming item or component.
	30.7	If a bid is not substantially responsive, it will be rejected by the Procuring agency and may not subsequently be evaluated for complete technical responsiveness.
<b>31.Examination of Terms and Conditions; Technical Evaluation</b>	31.1	The Procuring agency shall examine the bid to confirm that all terms and conditions specified in the <b>GCC</b> and the <b>SCC</b> have been accepted by the bidder without any material deviation or reservation For this purpose: “Deviation” means departure from the requirements specified in the Bidding Document. “Reservation” means setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Document.
	31.2	The Procuring agency shall evaluate the technical aspects of the bid submitted in accordance with <b>ITB 31</b> , to confirm that all requirements specified in <b>Section V – Works Requirement, Technical Specifications of</b> the Bidding Documents have been met without material deviation or reservation.
	31.3	If after the examination of the terms and conditions and the technical evaluation, the Procuring agency determines that the bid is not substantially responsive in accordance with <b>ITB 30</b> , it shall reject the bid.

<p><b>32. Correction of Arithmetic Errors</b></p>	<p>32.1</p>	<p>Bids determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows: -</p> <ul style="list-style-type: none"> <li>a) if there is a discrepancy between unit prices and the sub-total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the sub-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;</li> <li>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</li> <li>c) Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.</li> <li>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.</li> </ul>
	<p>32.2</p>	<p>The amount stated in the Bid will, be rectified by the Procuring agency in accordance with the above procedure for the correction of errors and, with, the concurrence of the bidder, shall be considered as binding upon the bidder. If the bidder does not accept the corrected amount, its bid shall be rejected after forfeiture of Bid Security or execution of the Bid Securing Declaration, as the case may be, in accordance with <b>ITB 19.9.</b></p>
<p><b>33. Conversion to Single Currency</b></p>	<p>33.1</p>	<p>The unit rates and the prices shall be quoted by the bidder entirely in Pak rupees. A bidder expecting to incur expenditures in other currencies for inputs to the Works from outside the Procuring agency/Employer's country (referred to as the "Foreign Currency Requirements") shall indicate the same in the letter of bid-financial proposal. The proportion of the Bid Price (excluding Provisional Sums) needed by him for the payment of such Foreign Currency Requirements either (i) entirely in the currency of the Bidder's home country or, (ii) at the bidder's option, entirely in Pak rupees provided always that a bidder expecting to incur expenditures in a currency or currencies other than those stated in (i) and (ii) above for a portion of the foreign currency requirements, and wishing to be paid accordingly, shall indicate the respective portions in his bid.</p>

	33.2	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 are payable. 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 (financial part of) bids specified in the bidding documents, as notified by the State Bank of Pakistan on that day.
	33.3	The currency selected for converting bid prices to a common base for the purpose of evaluation, along with the source and date of the exchange rate, are specified in the <b>BDS</b> .
<b>34.Evaluation of Bids</b>	34.1	The Procuring agency shall evaluate and compare only the bids determined to be substantially responsive, pursuant to <b>ITB 30</b> .
	34.2	In evaluating the Technical Proposal of each Bid, the Procuring agency shall use the criteria and methodologies listed in the <b>BDS</b> and in terms of works requirement. No other evaluation criteria or methodologies shall be permitted.
	34.3	The Procuring agency/Employer's evaluation of a bid will take into account: <ul style="list-style-type: none"> <li>a) The bid price, excluding provisional sums and the provision, if any, for contingencies in the summary bill of quantities, but including day work items, where priced competitively;</li> <li>b) Price adjustment for correction of arithmetic errors in accordance with <b>ITB 32.1</b>;</li> <li>c) Converting the amount resulting from applying (a) and (b) above, if relevant, to a single currency in accordance with <b>ITB 33</b>;</li> </ul>
	34.4	The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in bid evaluation.
	34.5	If these bidding documents allow bidders to quote separate prices for different lots, and the award to a single bidder of multiple lots, the methodology of evaluation to determine the lowest evaluated lot combinations in the Form of Bid, is specified in the <b>BDS</b> .

	34.6	<p>If the bid, which results in the Evaluated Bid Price (Most Advantageous Bid), is seriously unbalanced or front loaded in the opinion of the Employer, the Employer may require the Bidder to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, taking into consideration the schedule of estimated Contract payments, the Employer may require that the amount of the performance security be increased at the expense of the Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract.</p> <p style="text-align: center;"><b>Explanation:</b></p> <p style="text-align: center;"><i>“Unbalanced” or “front-loaded” bids consist of deliberately submitting bids with artificially high prices or unit rates for the early stages of a construction project, offset by artificially low prices or unit rates for the later stages of the project, to improve the contractor’s cash flow.</i></p>
<b>35. Domestic Preference</b>	35.1	If the <b>BDS</b> so specifies, the Procuring agency will grant a margin of preference to the domestic contractor in line with the rules, regulations, regulatory guides or instructions issued by the Authority from time to time.
<b>36. Determination of Most Advantageous Bid</b>	36.1	The Procuring agency shall compare the evaluated bids in accordance with the predefined bidding procedure, of all substantially responsive bids to determine the Most Advantageous bidder.
<b>37. Qualification of Bidder</b>	37.1	<p>The Procuring agency shall determine to its satisfaction whether the bidder is substantially responsive and whose bid is declared as most advantageous bid either continues to meet (if prequalification applies) or meets (if post-qualification applies) the qualifying criteria specified in Evaluation and Qualification Criteria.</p> <p style="text-align: center;"><i>Note: In case of international bidding, the parameters for incorporation or licensing within Pakistan may be fulfilled as part of post qualification.</i></p>
	37.2	The determination shall be based upon an examination of the documentary evidence of the bidder’s qualifications submitted by the bidder, pursuant to <b>ITB 12</b> .
	37.3	Prior to contract award, the Procuring agency will verify that the successful bidder (including each member of a JV) is not blacklisted/debarred. The Procuring agency will conduct the same verification for each sub-contractor proposed by the successful bidder.

<b>38. Sub-Contractors</b>	38.1	The bidder shall provide details regarding any specialized sub-contractor to the Procuring agency/Employer. In case change of sub-contractors, the bidder shall promptly notify the Procuring agency and obtain approval for replacement of sub-contractors.
	38.2	Bidders may propose sub-contracting up to the percentage of total value of contracts or the volume of works as specified in the <b>BDS</b> .
<b>39. Abnormally Low Financial Bid</b>	39.1	<p>Where the bid price is considered to be abnormally low, the Procuring agency shall perform price analysis either during determination of Most Advantageous Bid or as a part of the post-qualification process. The following process shall apply:</p> <ul style="list-style-type: none"> <li>a) The Procuring agency may reject a bid if the Procuring agency has determined that the price in combination with other constituent elements of the bid is abnormally low in relation to the subject matter of the procurement (i.e. scope of the procurement or ancillary services) and raises concerns as to the capability and capacity of the respective Bidder to perform that contract;</li> <li>b) Before rejecting an abnormally low bid the Procuring agency shall request the bidder an explanation of the bid or of those sections which it considers contribute to the bid being abnormally low; take account of the evidence provided in response to a request in writing; and subsequently verify the bid or parts of the bid being abnormally low;</li> <li>c) The decision of the Procuring agency to reject a bid and reasons for the decision shall be recorded in the procurement proceedings and promptly communicated to the bidder concerned;</li> <li>d) The Procuring agency shall not incur any liability solely by rejecting abnormally bid; and</li> <li>e) An abnormally low bid means, in the light of the Procuring agency/Employer’s estimate and of all the bids submitted, the bid appears to be abnormally low by not providing a margin for normal levels of profit.</li> </ul> <p style="text-align: center;"><b>Guidance for Procuring agency/Employer:</b></p> <p>In order to identify the Abnormally Low Bid (ALB) following approaches can be considered to minimize the scope of subjectivity:</p> <ul style="list-style-type: none"> <li>(i) Comparing the bid price with the cost estimate;</li> <li>(ii) Comparing the bid price with the bids offered by other bidders submitting substantially responsive bids; and</li> </ul> <p>Comparing the bid price with prices paid in similar contracts in the recent past either government- or development partner-funded.</p>

	39.2	The Procuring agency will determine to its satisfaction whether the bidder that is selected as having submitted the most advantageous bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in <b>ITB 12</b>
	39.3	The determination will take into account the bidder’s financial and technical capabilities. It will be based upon an examination of the documentary evidence of the bidder’s qualifications submitted by the bidder, pursuant to <b>ITB 12</b> , as well as such other information as the Procuring agency deems necessary and appropriate. Factors not included in these bidding documents shall not be used in the evaluation of the bidders’ qualifications.
	39.4	<p>Procuring agency may seek “Certificate for Independent Price Determination” from the bidder and the results of reference checks may be used in determining award of contract.</p> <p><i><b>Explanation:</b> The Certificate shall be furnished by the bidder. The bidder shall certify that the price is determined keeping in view of all the essential aspects such as raw material, its processing, value addition, optimization of resources due to economy of scale, transportation, insurance and margin of profit etc.</i></p>
	39.5	An affirmative determination will be a prerequisite for award of the contract to the bidder. A negative determination will result in rejection of the bidder’s bid, in which event the Procuring agency will proceed to the next ranked bidder to make a similar determination of that bidder’s capabilities to perform satisfactorily.

## F. AWARD OF CONTRACT

<p><b>41. Criteria of Award</b></p>	<p>40.1</p>	<p>Subject to ITB 36 and 37, the Procuring agency will award the Contract to the bidder whose bid has been determined to be substantially responsive to the bidding documents and who has been declared as Most Advantageous Bidder, provided that such bidder has been determined to be:</p> <ul style="list-style-type: none"> <li>a) eligible in accordance with the provisions of ITB 3;</li> <li>b) is determined to be qualified to perform the Contract satisfactorily; and</li> <li>c) Successful negotiations have been concluded, if any.</li> </ul>
<p><b>41. Negotiations</b></p>	<p>1.1</p>	<p>The Committee of the Procuring agency may negotiate with the Most Advantageous Bidder relating to the following areas:</p> <ul style="list-style-type: none"> <li>(a) a minor alteration to the technical (drawings, design technical specifications) details of the statement of works;</li> <li>(b) Methodology, work plan, staffing in view to streamline the work;</li> <li>(c) a minor amendment to the special conditions of Contract;</li> <li>(d) finalizing payment arrangements;</li> <li>(e) clarifying details that were not apparent or could not be finalized at the time of Bidding;</li> </ul>
	<p>1.2</p>	<p>Where negotiation fails to result into an agreement, the Procuring agency may invite the next ranked bidder for negotiations. Where negotiations are commenced with the next ranked bidder, the Procuring agency shall not reopen earlier negotiations.</p>
<p><b>42. Procuring agency/Employer's Right to reject All Bids</b></p>	<p>42.1</p>	<p>Not with standing ITB 37, the Procuring Agency reserves the right to reject all the bids, and to annul the Bidding process at any time prior to award of contract, without there by incurring any liability to the affected Bidder or Bidders. However, the Authority (i.e. PPRA) may call from the Procuring Agency the justification of those grounds.</p>
	<p>42.2</p>	<p>Notice of the rejection of all Bids shall be given promptly to all Bidders that have submitted Bids.</p>
	<p>42.3</p>	<p>The Procuring Agency shall upon request communicate to any Bidder the grounds for its rejection of its Bids, but is not required to justify those grounds.</p>

<p><b>43. Variations</b></p>	<p>43.1</p>	<p>The Engineer shall make any variation in the quantity of the Works or any part there of that may, in his opinion, be necessary and for that purpose, or if for any other reason it shall, in his opinion, be appropriate, he shall have the authority to instruct the Contractor to do and the Contractor shall do any of the following:</p> <ul style="list-style-type: none"> <li>a) increase or decrease the quantity of any work included in the Contract,</li> <li>b) omit any such work (but not if the omitted work is to be carried out by the Employer or by another contractor),</li> <li>c) change the character or quality or kind of any such work,</li> <li>d) change the levels, lines, position and dimensions of any part of the Works,</li> <li>e) execute additional work of any kind necessary for the completion of the Works, or</li> <li>f) change any specified sequence or timing of construction of any part of the Works.</li> </ul> <p>No such variation shall in any way vitiate or invalidate the Contract, but the effect, if any, of all such variations shall be valued in accordance with <b>ITB 15</b>. Provided that where the issue of an instruction to vary the Works is necessitated by some default of or breach of contract by the Contractor or for which he is responsible, any additional cost attributable to such default shall be borne by the Contractor.</p>
<p><b>44. Instructions for variations</b></p>	<p>44.1</p>	<p>The Contractor shall not make any such variation without an instruction of the Engineer. Provided that no instruction shall be required for increase or decrease in the quantity of any work where such increase or decrease is not the result of an instruction given under this Clause, but is the result of the quantities exceeding or being less than those stated in the Bill of Quantities.</p>
<p><b>45. Valuation of Variations</b></p>	<p>45.1</p>	<p>All variations and any additions to the Contract Price which are required to be determined in accordance with <b>ITB 15</b> (for the purposes of this Clause referred to as "varied work"), shall be valued at the rates and prices set out in the Contract if, in the opinion of the Engineer, the same shall be applicable. If the Contract does not contain any rates or prices applicable to the varied work, the rates and prices in the Contract shall be used as the basis for valuation so far as may be reasonable, failing which, after due consultation by the Engineer with the Procuring agency and the Contractor, suitable rates or prices shall be agreed upon between the Engineer and the Contractor. In the event of disagreement, the Engineer shall fix such rates or prices as are, in his opinion, appropriate and shall notify the Contractor accordingly, with a copy to the Employer. Until such time as rates or prices are agreed or fixed, the Engineer shall determine provisional rates or prices to enable on-account payments to be included in certificates issued in accordance with <b>ITB 15</b>.</p>

<b>46. Notification of Award</b>	46.1	Prior to the award of contract, the Procuring agency shall issue a Final Evaluation Report giving justification for acceptance or rejection of the bids.
	46.2	Where no complaints have been lodged, the bidder whose bid has been accepted will be notified of the award by the Procuring agency prior to expiration of the bid validity period in writing or through electronic means that provide record of the content of communication. However, the Procuring agency shall not award any procurement contract at least for fifteen (15) days after the acceptance of bid. The notification letter (herein after and in the condition of the contract and contract form called “Letter of Acceptance” will specify the sum that the Procuring agency will pay the successful bidder in consideration for the execution and completion of the works as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price).
	46.3	The notification of award will constitute the formation of the Contract, subject to the bidder furnishing the Performance Security (or guarantee) in accordance with <b>ITB 48</b> and signing of the contract in accordance with <b>ITB 47</b> .
	46.4	Upon the successful bidder’s furnishing of the performance security (or guarantee) pursuant to <b>ITB 48</b> , the Procuring agency will promptly notify each unsuccessful bidder, the name of the successful bidder and the Contract amount and will discharge the Bid Security or Bid Securing Declaration of the bidder(s) pursuant to <b>ITB 19</b> .
<b>47. Signing of Contract</b>	47.1	Promptly after notification of award, Procuring Agency shall send the successful Bidder the draft agreement, in cooperating all terms and conditions as agreed by the Parties to the contract.
	47.2	Immediately after the Redressal of grievance by the GRC, and <b>after fulfillment of all condition’s precedent</b> of the Contract Form, the successful Bidder and the Procuring Agency shall sign the contract.
	47.3	Where no formal signing of a contract is required, Work Order issue to the bidder shall be constructed to be the contract.

<p><b>48. Performance Security (or Guarantee)</b></p>	<p>48.1</p>	<p>After the receipt of the Letter of Acceptance, the successful bidder, within the specified time, shall deliver to the Procuring agency a Performance Guarantee in the amount and in the form stipulated in the <b>BDS and SCC</b>, denominated in the type and proportions of currencies in the Letter of Acceptance and in accordance with the Conditions of Contract.</p>
	<p>48.2</p>	<p>If the Performance Security Guarantee is provided by the successful Bidder and it shall be in the form specified in the <b>BDS</b> which shall be in any of the following:</p> <ul style="list-style-type: none"> <li>(a) Certified cheque, cashier's or manager's cheque, or bank draft;</li> <li>(b) Irrevocable letter of credit issued by a Scheduled bank or in the case of an irrevocable letter of credit issued by a foreign bank, the letter shall be confirmed or authenticated by a Scheduled bank;</li> <li>(c) Bank guarantee confirmed by a reputable local bank or, in the case of a successful foreign Bidder, bonded by a foreign bank; or</li> <li>(d) Surety bond callable upon demand issued by any reputable surety or insurance company.</li> </ul> <p>Any Performance Security (or guarantee) submitted shall be enforceable in Pakistan.</p>
	<p>48.3</p>	<p>Failure of the successful Bidder to comply with the requirement of <b>ITB 47</b> shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security, in which event the Procuring Agency may make the award to the next ranked Bidder or call for New Bids.</p>

<b>49. Advance Payment</b>	49.1	Advance payment will be provided to the bidder in percentage and in the manner as agreed by the both parties in terms of Conditions of the Contracts.
	49.2	The Procuring agency will provide an advance payment as stipulated in the Conditions of Contract, subject to a maximum amount, as stated and/or Conditions of the Contract. The advance payment request shall be accompanied by an advance payment security (guarantee) in the form provided in Section X. For the purpose of receiving the advance payment, the bidder shall make and estimate of, and include in its bid, the expenses that will relate to the purchase of equipment, machinery, materials, and on the engagement of labor during the first month beginning with the date of the Procuring agency/Employer's "Notice to Commence" as specified in the SCC.
<b>50. General Performance of the Bidders</b>	50.1	The Procuring agency reserves the right to obtain information regarding performance of the bidders on their previously awarded contracts / works. The Procuring agency may seek information / report from the previous employer for consideration. However, the Procuring agency shall incorporate such parameters in the evaluation criteria and accordingly decide the fate of the bid submitted.
<b>Arbitrator</b>		The Arbitrator shall be appointed by mutual consent of the both parties as per the provisions specified in the SCC.
<b>51. Corrupt &amp; Fraudulent Practices</b>	51.1	Procuring agencies (including beneficiaries of Government funded projects and procurement) as well as Bidders/Suppliers/Contractors under Government financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts, and will avoid to engage in any corrupt and fraudulent practices.

## G. GRIEVANCE REDRESSAL & COMPLAINT REVIEW MECHANISM

<p><b>52. Constitution of Grievance Redressal</b></p>	<p>2.1</p>	<p>Procuring agency shall constitute a Grievance Redressal Committee (GRC) comprising of odd number of persons with proper power and authorization to address the complaint. The GRC shall not have any of the members of Procurement Evaluation Committee. The committee must have one subject specialist depending the nature of the procurement.</p>
<p><b>53. GRC Procedure</b></p>	<p>3.1</p>	<p>Any party can file its written complaint against the eligibility parameters or any other terms and conditions prescribed in the prequalification or bidding documents found contrary to provision of Procurement Regulatory Framework, and the same shall be addressed by the GRC well before the bid submission deadline.</p>
	<p>3.2</p>	<p>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 seven days of the announcement of technical evaluation report and five days after issuance of final evaluation report.</p>
	<p>3.3</p>	<p>In case, the complaint is filed against the technical evaluation report, the GRC shall suspend the procurement proceedings.</p>
	<p>3.4</p>	<p>In case, the complaint 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 envelope bidding procedure is adopted.</p>
	<p>3.5</p>	<p>The GRC, in both the cases shall investigate and decide upon the complaint within ten days of its receipt.</p>
	<p>3.6</p>	<p>Any bidder or the Procuring agency not satisfied with the decision of the GRC may file Appeal before the Appellate Committee of the Authority on prescribed format after depositing the Prescribed fee.</p>
	<p>3.7</p>	<p>The Committee, upon receipt of the Appeal against the decision of the GRC complete in all respect shall serve notices in writing upon all the parties to appeal.</p>
	<p>3.8</p>	<p>The committee shall call the record from the concerned Procuring agency or the GRC as the case may be, and the same shall be provided within prescribed time.</p>

	3.9	The committee may after examination of the relevant record and hearing all the concerned parties, shall decide the complaint within fifteen (15) days of receipt of the Appeal.
	3.10	The decision of the Committee shall be in writing and shall be signed by the Head and each Member of the Committee. The decision of the committee shall be final.

## **H. MECHANISM OF BLACK LISTING**

<p><b>54. Mechanism of Blacklisting</b></p>	<p>4.1</p>	<p>The Procuring agency shall bar for not more than the time prescribed in Rule-19 of the Public Procurement Rules, 2004, from participating in their respective procurement proceedings, bidder or contractor who either: Involved in corrupt and fraudulent practices as defined in Rule-2 of Public Procurement Rules; i) Fails to perform his contractual obligations; and ii) Fails to abide by the id securing declaration;</p>
	<p>4.2</p>	<p>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/Employer; 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.</p>
	<p>4.3</p>	<p>The Procuring agency shall give minimum of seven days to the bidder or contractor for submission of written reply of the show cause notice.</p>
	<p>4.4</p>	<p>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.</p>
	<p>4.5</p>	<p>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.</p>
	<p>4.6</p>	<p>The Procuring agency shall give minimum of seven days to the bidder or contractor for appearance before the designated officer of the Procuring agency for personal hearing. The designated officer shall decide the matter on the basis of the available record and personal hearing of the bidder or contractor, if availed.</p>
	<p>4.7</p>	<p>The Procuring agency shall decide the matter within fifteen (15) 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.</p>
	<p>4.8</p>	<p>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 (30) days, prefer a representation against the order before the Authority.</p>

	4.9	Such blacklisting or barring action shall be communicated by the Procuring agency to the Authority and respective bidder or bidders in the form of decision containing the grounds for such action. The same shall be publicized by the Authority after examining the record whether the procedure defined in blacklisting and debarment mechanism has been adhered to by the Procuring agency/Employer.
	4.10	The bidder may file the review petition before the Review Petition Committee Authority within thirty (30) days of communication of such blacklisting or barring action after depositing the prescribed fee and in accordance with “Procedure of filing and disposal of review petition under Rule-19(3) Regulations, 2021”. The Committee shall evaluate the case and decide within ninety (90) days of filing of review petition.
	4.11	The committee shall serve a notice in writing upon all respondent of the review petition. The notices shall be accompanied by the copies of review petition and all attached documents of the review petition including the decision of the Procuring agency/Employer. The parties may file written statements along with essential documents in support of their contentions. The Committee may pass such order on the representation may deem fit.
	4.12	The Authority on the basis of decision made by the committee either may debar a bidder or contractor from participating in any public procurement process of all or some of the procuring agencies for such period as the deemed appropriate or acquit the bidder from the allegations. The decision of the Authority shall be final.

## **SECTION III : BID DATA SHEET**

## Bid Data Sheet (BDS)

The following specific data for the procurement of works shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITBs). Whenever there is a conflict, the provisions herein shall prevail over those in ITBs.

BDS Clause Number	ITB Number	Amendments of, and Supplements to, Clauses in the Instruction to Bidders
<b>A. Introduction</b>		
<b>1.</b>	<b>1.1</b>	<p>Name of Procuring Agency: Pakistan Council of Scientific and Industrial Research (PCSIR)</p> <p><b>The subject of procurement:</b> Construction of machine Installation Lab.</p> <ul style="list-style-type: none"> <li>• Period for completion of the works: <b>06 Months</b></li> <li>• Commencement date: within Five Days (05 working days) of the issuance and acceptance of the later of the acceptance.</li> </ul>
<b>2.</b>	<b>2.1</b>	<p>Financial year for the operations of the Procuring Agency: 2024 &amp; 2025</p> <p><b>Name of Project: “Establishment of Material Resource Center and Development of Additive Manufacturing &amp; Reverse Engineering Facility at PCSIR Laboratories Complex, Karachi”</b> <b>E.M.R.C. Furnace Blocks at PCSIR Laboratories Complex, Karachi</b></p> <p><b>Ministry of Science &amp; Technology (MoST)</b> <b>Pakistan Council of Scientific and Industrial Research (PCSIR) through PSDP</b></p>
<b>3.</b>	<b>3.1</b>	<p>Joint Venture is applicable on the Project.</p> <p>Maximum number of members in the Joint Venture, consortium shall be: Two (02) including the Lead Member</p>
	<b>3.2</b>	<p>Power of Attorney should be printed on a stamp paper of At least PKR 100/-, notarized and attested.</p>

## B. BIDDING DOCUMENTS

4.	7.2	<p>The number of copies to be completed and returned is one original and one copy.</p> <p>The bids are to be submitted through EPADS and also given address at NIT. However, the Bid Security, Power of Attorney on Judicial Stamp Paper duly attested by Notary Public with original signatures to sign/commit the bid, and Blacklisting Certificate etc. must be submitted in original to the address mentioned below on or before the Bid Closing <b>Date and Time i.e. 16 April, 2026 by 10:00 AM.</b></p>
	7.3	<p>Director (Works) Pakistan Council of Scientific &amp; Industrial Research (PCSIR), Head Office, 1- Constitution Avenue, G-5/2, Islamabad.</p> <p>Sub-Clause is substituted as under:</p> <p>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 not downloaded from the EPADS.</p>
5.	8.1	<p>Clarifications regarding the Bidding Documents should be requested through EPADS / address given in NIT, and the responses will be uploaded on EPADS or received from address given in NIT.</p>
	8.2	<p>Sub-Clause is substituted as under:</p> <p>The Procuring Agency will within three (3) working days after receiving the request for clarification, respond through EPADS to any request for clarification provided that such request is received not later than three (03) days prior to the Pre-Bid Meeting.</p>
	8.3	<p>The following paragraph is added to the Sub Clause: Procuring Agency's response will be uploaded on EPADS / address given in NIT.</p>
	8.5	<p>The Bidder's designated representative is invited at the Bidder's cost to attend a pre-Bid meeting which will be held at the Committee Room of Pakistan Council of Scientific &amp; Industrial Research (PCSIR), Head Office, 1- Constitution Avenue, G-5/2, Islamabad, <b>Dated: 09-04-2026.</b></p>

	<b>8.6</b>	<p>Sub Clause is substituted as under:</p> <p>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, to get herewith any responses prepared after the meeting will be uploaded on Procuring Agency website. 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 9. Non- attendance at the pre-Bid meeting will not be a cause for disqualification of a Bidder.</p>
	<b>8.8</b>	<p>The number of days is changed from seven (07) days to four (04) days.</p>
	<b>9.2</b>	<p>Sub Clause is substituted as under:</p> <p>Any addendum issued including the notice of any extension of the deadline shall be part of the Bidding Documents pursuant to <b>ITB 7.1</b> shall promptly be published on the EPADS:</p> <p>Provided that the bidder who had either already submitted their bid on EPADS prior to the issuance of any such addendum shall have the right to withdraw his already uploaded bid and submit the revised bid prior to the original or extended bid submission deadline</p>
	<b>9.3</b>	<p>The following paragraph is added to the Sub Clause:</p> <p>Any extension in Bid Submission deadline by the Procuring Agency shall be published on EPADS.</p>

## C. PREPARATION OF BIDS

7.	10.1	The Language of all correspondences and documents related to the Bid is: <b><u>English</u></b>
8.	11.1	<p>Sub Clause is substituted as under:  The Bid must consist of two separate documents: the ‘Technical Proposal’ and the ‘Financial Proposal’. Each document should include the information specified below, and both must be submitted <u>online through EPADS</u>.</p> <p><b><u>Technical Proposal</u></b></p> <ul style="list-style-type: none"> <li>a) Company Profile</li> <li>b) Duly filled-in Letter of Bid without filling the Bid price;</li> <li>c) Documentary evidence established in accordance with <b>ITB 12</b> that the Bidder are eligible, and conform to the Bidding Documents;</li> <li>d) Documentary evidence established in accordance with <b>ITB 13</b> that the Bidder is eligible and/or qualified for the subject bidding process;</li> <li>e) General Experience Record</li> <li>f) Personal Capabilities require for project</li> <li>g) Detail of equipment’s</li> <li>h) Financial capabilities</li> <li>i) Copy of Bid security furnished in accordance with <b>ITB 18</b>;</li> <li>j) Copy of Duly Notarized power of Attorney authorizing the signatory of the Bidder to submit the bid; and</li> <li>k) Any other document required in the <b>BDS</b>.</li> </ul> <p><b><u>Financial Proposal</u></b></p> <ul style="list-style-type: none"> <li>a) Duly filled-in Letter of Bid with Bid price</li> <li>b) Duly filled-in Price Schedule Forms; and</li> <li>c) Integrity Pact</li> </ul>
	11.4 (c)	<p>Other procurement specific documentation requirements are:  In addition to the documents stated in <b>ITB 11</b>, the following documents must be included with the Technical Proposal:</p> <ul style="list-style-type: none"> <li>i) Company’s Registration Certificate of PEC in category - <b>C-4 or above and in relevant codes of specialization such as (CE-09, CE-10, EE-04)</b>.</li> <li>ii) Registration Certificates from Income Tax (FBR), Sales Tax. Along with Tax Returns of Last Five Years.</li> <li>iii) Documentary Evidence / work order of minimum last Five Year of <b>similar nature</b> completed within last Three (03) Years completion certificates.</li> <li>iv) Documentary Evidence for work order of construction work completed.</li> <li>v) Bank Statement of last One Year</li> <li>vi) Audit Report of Last Three Years</li> <li>vii) Complete company / Firm profile with details of Projects of similar natures, list of Employees and Equipment. Complete detail of Machinery.</li> <li>viii) Affidavit of “No-Blacklisting” on judicial stamp paper prepared within the current month of submission of prequalification/ document.</li> </ul>
15.	15.5	The bid price shall be adjusted in accordance with Appendix A – Formula for Price Adjustment.

	<b>15.6</b>	Name of the works _____ The identification No. _____ The No. and identification of lots (contracts) comprising this open competitive bid _____
<b>16.</b>	<b>15.8</b>	The price shall be fixed.
<b>17.</b>	<b>16.1</b>	The Currency of bid shall be in Pakistani Rupees;
<b>18.</b>	<b>18.1</b>	The Bid Validity period shall be ninety days (90) days.
<b>19.</b>	<b>19.1</b>	The amount of Bid Security shall be 02% of bid amount or <b>Rs.</b> _____ as mentioned in NIT.
<b>20.</b>	<b>19.3</b>	The Bid Security shall be in the favor of Director (Works) Pakistan Council of Scientific & Industrial Research (PCSIR) in the form of: <u>Bank Draft / Pay Order / CDR</u> (Issued by the Scheduled Bank in Pakistan)
<b>21</b>	<b>19.3(c)</b>	Other forms of security are: Not Applicable.
<b>22.</b>	<b>20.1</b>	Alternative Bids to the requirements of the Bidding Documents will not be permitted.
<b>23.</b>	<b>20.2</b>	Sub-Clause is substituted as under: Any bidder may withdraw, substitute, or modify their bid through EPADS before the bid closing date and time i.e. <b>16 April, 2026 by 10:00 AM.</b>
<b>24.</b>	<b>22.1</b>	Sub-Clause is substituted as under: If the bidder intends to withdraw the submitted bids pursuant to clause 20.1, it can be deleted from EPADS before bid submission deadline. No additional copies of the Bid are required to be submitted as the Bid is to be submitted through EPADS.
<b>26.</b>	<b>22.2</b>	Written confirmation of authorization are: Power of Attorney on Judicial Stamp Paper duly attested by Notary Public with original signatures to sign/commit the bid on following format must accompany the bid: <ul style="list-style-type: none"> <li>• The person issuing authority of Power of Attorney shall provide the legal documents establishing his / her authority of issuing the Power of Attorney on behalf of Firm / Company / (for all partners of JV);</li> <li>• The name, designation / title in the Firm / Company, CNIC No. of the person issuing the Power of Attorney must be mentioned on the Power of Attorney;</li> <li>• The Power of Attorney shall bear the name, specimen signature, specimen initial of the signatory of the Bid as well as his designation / title in the Firm / Company and country identification number / CNIC No.</li> </ul> The original of each shall be submitted before Bid Closing Date and Time i.e. <b>16 April, 2026, 10:00 AM.</b>

### **D. Submission of Bids**

27.	23.1	Single Stage One Envelope: Not Applicable
28.	23.2	Single Stage One Envelope: Not Applicable
29.	23.2(a)	Bid shall be submitted through <u>EPADS</u>
30.	23.2(b)	Title of the subject Procurement or Project Name: <b>PSDP Project Titled “Establishment of Material Resource Center and Development of Additive Manufacturing &amp; Reverse Engineering Facility at PCSIR Laboratories Complex, Karachi”, E.M.R.C. Furnace Blocks at PCSIR Laboratories Complex, Karachi”</b> Time and Date for submission: <b>10:00 AM and 16th April, 2026</b>
31.	23.3	Sub-Clause is substituted as under:  The Bid must consist of two separate documents: The ‘Technical Proposal’ and the ‘Financial Proposal’. Each document should include the information specified in Sub Clause <b>11.1</b> , and <u>both must be submitted online through EPADS.</u>
32.	23.4(a)	Sub-Clause is substituted as under:  The Bid forms should be addressed to " <b>Director (Works)</b> Pakistan Council of Scientific & Industrial Research (PCSIR), Head Office,1-Constitution Avenue,G-5/2, Islamabad
33.	24.1	The deadline for Bid submission: <b>a) Day: (Thursday)</b> <b>b) Date: (16<sup>th</sup> April, 2026)</b> <b>c) Time:10:00 AM.</b>
34.	25	Sub-Clause is substituted as under: The Bidder will not be able to upload any bid after the bid closing date and time. In case the Bid is submitted in physical before or after the Bid closing date and time Procuring Agency shall not consider any Bid for evaluation
35.	26.1	Sub-Clause is substituted as under:  A Bidder may withdraw, substitute, or modify its bid on EPADS after submission before Bid closing date and time.

## **E. Opening and Evaluation of Bids**

<b>36.</b>	<b>27.1</b>	<p>The Bid opening shall take place at:</p> <p>Committee Room, Pakistan Council of Scientific &amp; Industrial Research (PCSIR), Head Office, 1-Constitution Avenue, G-5/2, Islamabad, Pakistan.</p> <p>a) Day: (Thursday)  b) Date: (16<sup>th</sup> April, 2026)  c) Time: 11:00 AM.</p>
<b>37.</b>	<b>27.2</b>	The Sub-Clause is deleted.
<b>38.</b>	<b>27.3</b>	The Sub-Clause is deleted.
<b>39.</b>	<b>27.4</b>	The Sub-Clause is deleted.
<b>40.</b>	<b>27.7</b>	<p>The Sub Clause is substituted as:</p> <p>The Technical Proposals shall be downloaded 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.</p>
<b>41.</b>	<b>27.13</b>	The Sub-Clause is deleted.
<b>42.</b>	<b>27.14</b>	<p>The Sub Clause is substituted as: bids are to be evaluated on technical and financial grounds</p> <p>In case of Single Stage Two Envelope Bidding Procedure, after the evaluation and approval of technical proposal the procuring agency, shall at a time within the bid validity period, publicly open the financial proposals of the technically accepted bids only. The financial proposal of bids found technically non-responsive shall not be opened subject to redress of the grievance's formalities of grievances.</p>
<b>46.</b>	<b>33.2</b>	Conversion to single currency: Not Applicable.
<b>47.</b>	<b>34.1</b>	Deviation in payment schedule is Not Applicable.
<b>48.</b>	<b>34.2</b>	Specific additional criteria to be used in the evaluation and their evaluation method or reference to the Technical Specifications. Refer Section "Qualification Evaluation Criteria" where the detailed evaluation criteria are listed.
<b>49.</b>	<b>34.5</b>	The Sub-Clause is deleted.
<b>50.</b>	<b>35.1</b>	Domestic Preference: Not Applicable.

<p style="text-align: center;"><b>51.</b></p>	<p style="text-align: center;"><b>36.1</b></p>	<p><b>Evaluation Techniques</b></p> <p style="text-align: center;"><b>Least Cost Based Selection (LCBS)</b></p> <p>After meeting the requirements of eligibility, qualification and substantial responsiveness, the bid in compliance with all the mandatory (drawings/ design/ technical specifications /requirements and/or requisite quality threshold (if any), and having lowest evaluated cost (or financial proposal) shall be considered highest ranked bid.</p> <p style="text-align: center;"><b>Quality and Cost Based Selection (QCBS)</b></p> <p>In such combination, there shall be some specific weightage of both the technical features (such as prescribed in ITB 35.2) and financial aspects of the proposal. The financial marks shall be awarded in accordance with the formula stipulated in the BDS or Evaluation Criteria prescribed in the bidding documents. The highest ranked bid shall be declared, on the basis of combined evaluation. Same criteria in case evaluating the bids submitted by JVs.</p>
<p style="text-align: center;"><b>52</b></p>	<p style="text-align: center;"><b>38.2</b></p>	<p style="text-align: center;">Sub-contracting (Not Applicable)</p>

## **F. AWARD OF CONTRACT**

<b>53.</b>	<b>48.1</b>	The Performance Guarantee shall be <u>10% (ten percent)</u> of The Contract Price stated in the Letter of Acceptance or withheld from bill
<b>54.</b>	<b>48.2</b>	The Performance Guarantee shall be in the form of a bank guarantee issued by a Scheduled Bank in Pakistan, and in the form provided in the bidding documents.

### ***G. Review of Procurement Decisions***

57.	53.	<p>Arbitrate or shall be appointed by mutual consent of the both parties.</p> <p>The address of the Procuring Agency:</p> <p><b>Director (Works), Pakistan Council of Scientific &amp; Industrial Research (PCSIR), HeadOffice,1-Constitution Avenue, G-5/2, Islamabad</b></p>
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## **SECTION IV: ELIGIBLE COUNTRIES**

## ***ELIGIBLE COUNTRIES***

All the bidders are allowed to participate in the subject procurement without regard to nationality, except bidders of some nationality, prohibited in accordance with policy of the Federal Government.

Following countries are ineligible to participate in the procurement process:

1. India.
2. Israel.

## **SECTION V. EVALUATION AND QUALIFICATION CRITERIA**

## Eligibility Requirement of Company

i.	Valid registration certificate of PEC in the category C-4 or above and in relevant code of specialization (must have specialized in code (CE-09, CE-10, EE-04, ME-06))
ii.	Registration certificates from Income Tax (FBR), Sindh Revenue Board, Sales Tax (if required). Along with Tax Returns of last 03 Years.
iii.	Documentary Evidence / work order of minimum last 03 years of similar nature completed within last three (03) years with completion certificates.
iv.	Documentary Evidence for work order of construction work in hand minimum last 03 years.
v.	Bank statement of last One (01) Year
vi.	Financial Status assessment applicant required to submitted audited financial statement at least last 03 years.
vii.	Complete Company / Firm Profile with details of Projects of similar natures, list of employees and equipment. Complete detail of machinery. (on company letter head with duly signed)
viii.	Affidavit of “No-Blacklisting” on judicial stamp paper prepared within the current month of submission of prequalification/ document.

## Evaluation Criteria

The following Qualification and Technical Parameters were used for detailed Technical Bid Evaluation based on marks / score criteria for selection methods for qualification of the contractors / firms.

Aggregate qualifying Score is 70%, but it is mandatory to obtain at least 50% in each of the following section.

Applicants meeting the above said requirements will be selected for detail evaluation, the criteria are as under.

Sr. No.	Category	Weight age / Marks
1.	Company Profile	20
2.	General Experience Record	30
3.	Personnel Capabilities required for this Projects	20
4.	Equipment	10
5.	Financial Capability	20
<b>Total</b>		<b>100</b>

**(1) Company Profile.****(20 Marks)**

<b>I.</b>	<b>Period since Firm/Contractor is in construction business</b> (attach PEC License for evidence)	<b>15</b>	<b>Marks</b>
	Up to 03 Years	06	Marks
	Up to 06 Years	12	Marks
	Above 06 Years	15	Marks
<b>II.</b>	<b>Office facilities</b>	<b>05</b>	<b>Marks</b>
	In Karachi	03	Marks
	In Islamabad	02	Marks

**(2) General Experience Record****(30 Marks)**

<b>I.</b>	Projects of similar nature and complexly completed in any Government R&D Organization over last 05 years work costing Rs. 20.00 million and above shall be considered.	<b>15</b>	Marks
<b>II.</b>	Projects of similar nature and complexly project in any Government R&D Organization in-hand, Work costing Rs. 20.00 million and above shall be considered (05 marks for each project).	<b>10</b>	Marks
<b>III.</b>	Projects of similar nature and complexly project in any Department/ Laboratory/ Institute of PCSIR Completed or in-hand.	<b>05</b>	Marks

**(3) Personnel Capabilities required for this Projects****(20 marks)**

<b>Sr No</b>	<b>Description / Position with Qualification and Experience</b>	<b>Number Required</b>	<b>Marks Assigned</b>	<b>Remarks</b>
<b>01</b>	<b>i.</b> B.S. (Civil Engineer) /B.E. (Civil) Engineering registered <b>ii.</b> B.S. (Mechanical) /B.E. (Mechanical) Engineering registered  Registered with Pakistan Engineering Council (PEC).	01 No.  01 No.	12 (06 Marks for Each)	03 mark for experience of 03 years, 04 marks for 05 or above 05 years upto 09 years and 06 marks for 10 years or more than 10 years
<b>02</b>	Diploma of Engineering in relevant field (Civil, Mechanical, Electrical)	02 Nos	08 (04 Marks for Each)	02 marks for each having 05 years' experience and 04 marks for more than 05 years.
	<b>Total</b>		<b>20</b>	

**(4) Equipment Capability****(10 Marks)**

- Critical equipment and number required for the Project shall be specified by the procuring agency.
- High value equipment should be an option to own, lease or hire.
- Total equipment available with the applicant is to be listed along with its current mobilization on-going Projects.

**(Details are to be provided in the attached form)**

The applicant should own or have assured access to (through rented / lease, purchase agreement or other means). The following key equipment (limited to any major items of equipment) in full working order and must demonstrate that based on known commandments, there will be available for deployment on the proposed Contractor works. The applicant may also list alternative equipment which he would propose for the contract together with an explanation of the alternate proposal.

<b>S. No</b>	<b>EQUIPMENT TYPE &amp; CHARACTERISTICS</b>	<b>REQUIRED (NO)</b>	<b>POINTS</b>
1	Welding Plant	1	01
2	Tractor/ Excavator	1	02
3	Generator (05 KVA)	1	01
4	Survey Equipment	1	01
5	Concentrate Mixture Machine	1	01
6	Scaffolding / Formwork	15,000 Sft	01
7	Vehicles	1	01
8	Water Pumps / motor	1	01
9	Water bowser	1	01
	<b>Total Point</b>		<b>10</b>

**(5) Financial Standing**

**(20 Marks)**

For assessment of financial Status, the applicant must submit their last three years audit reports and bank statement from the last 01 Year. Where necessary, the procuring Agency will make enquiries with the auditing firms & Bankers.

Average Annual turnover should not be less than 20.00 million

**Financial:**

<b>S.No.</b>	<b>Parameter</b>	<b>Maximum Points</b>
<b>i.</b>	Documentary evidence of financial position, bank statement of last Three (03) years.	(05 Marks)
<b>ii.</b>	Average Annual turnover of last three years not less than 20.00 million	(05 Marks)
<b>iii.</b>	Verifiable Audited financial of Last Three Years having annual net worth of more than 20.00 million	(10 Marks)

**SECTION VI:**

**WORKS REQUIREMENT, TECHNICAL SPECIFICATIONS,  
DRAWINGS, SUPPLEMENTARY INFORMATION AND  
BILL OF QUANTITIES**

## **Scope of Works**

(Describe Scope of Work)

## Technical Specifications

### Notes for Preparing the Technical Specifications

A set of precise and clear specifications is a prerequisite for bidders to respond realistically and competitively to the requirements of the Procuring agency/Employer without qualifying their bids. The specifications must be drafted to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship and materials for the works to be procured. Only if this is done will the objectives of economy, efficiency, and fairness in procurement be realized, responsiveness of bids be ensured, and the subsequent task of bid evaluation facilitated.

Samples of specifications from previous similar procurements are useful in this respect. The use of metric units is encouraged. Depending on the complexity of the works and the repetitiveness of the type of procurement, it may be advantageous to standardize the General Technical Specifications and incorporate them in a separate subsection. The General Technical Specifications should cover all classes of workmanship, materials, and equipment commonly involved in the procurement of works, although not necessarily to be used in a particular procurement. Deletions or addenda should then adapt the General Technical Specifications to the particular procurement.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for equipment, materials, and workmanship, recognized international standards should be used as much as possible. Where other particular standards are used, whether national standards of the Procuring agency/Employer's country or other standards, the specifications should state that equipment, materials, and workmanship that meet other authoritative standards, and which ensure at least a substantially equal quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the Special Conditions of Contract or the Technical Specifications.

### Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Technical Specifications to specific standards and codes to be met by the works and materials to be executed or tested, the provisions of the latest current edition or revision of the relevant shall apply, unless otherwise expressly stated in the Contract.

Where appropriate, drawings, including site plans as required, may be furnished by the Procuring agency/Employer with the bidding documents. Similarly, the Contractor may be requested to provide drawings with its bid or for prior review by the Procuring agency/Employer during contract execution.

## Drawings

*(Insert reference to the drawing of the Construction works to be carried out under this contract)*

***Supplementary Information***

(Insert any other supplement information related to the procurement of works)

## **Bill of Quantities**

(Note for the Procuring Agencies: For information related to the development of the BoQ's please consult General Instructions Issued by the Authority for preparation of BoQ's available on Authority Website).

# Sample Bill of Quantities

## A. Preamble

1. The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, General and Particular Conditions of Contract, Technical Specifications, and Drawings.
2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Engineer and valued at the rates and prices bid in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix within the terms of the Contract.
3. The rates and prices bid in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the Contract, include all Constructional Plant, labour, supervision, materials, erection, maintenance, insurance, profit, taxes, and duties, together with all general risks, liabilities, and obligations set out or implied in the Contract.
4. A rate or price shall be entered against each item in the priced Bill of Quantities, whether quantities are stated or not. The cost of Items against which the Contractor has failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.
5. The whole cost of complying with the provisions of the Contract shall be included in the Items provided in the priced Bill of Quantities, and where no Items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related Items of Work.
6. General directions and descriptions of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. References to the relevant sections of the Contract documentation shall be made before entering prices against each item in the priced Bill of Quantities.
7. Provisional Sums included and so designated in the Bill of Quantities shall be expended in whole or in part at the direction and discretion of the Engineer in accordance with Sub-Clauses 13.4 and 13.5 of the General Conditions.
8. The method of measurement of completed work for payment shall be in accordance with *[insert the name of a standard reference guide, or full details of the methods to be used]*.

## B. Work Items

1. The Bill of Quantities usually contains the following part Bills, which have been grouped according to the nature or timing of the work:

Bill No. 1—General Items;  
Bill No. 2—Earthworks;  
Bill No. 3—Culverts and Bridges;  
Bill No. 4—etc., as required;  
Day work Schedule; and  
Summary Bill of Quantities.

2. If ITB 16.1 applies, Bidders shall price the Bill of Quantities in the applicable currency or currencies (Local or foreign as the case may be).

*[Note to the Procuring agency/Employer: The tables in BOQ must be prepared in accordance with the currency alternative retained in BDS – ITB 16.1.]*



## Bill No. 2: Earth works

<i>Item No.</i>	<i>Description</i>	<i>Unit</i>	<i>Quantity</i>	<i>Rate</i>	<i>Amount</i>
Total for Bill No. 2 (carried forward to Summary, p. _____)					-



## Day work Schedule

### *[Note to the Procuring agency/Employer:*

- (i) *A “Daywork Schedule” is commonly found in contracts where the likely incidence of unforeseen work cannot be covered by definitive descriptions and approximate quantities in the Bill of Quantities. The preferred alternative is to value the additional work in accordance with the Conditions of Contract. A Daywork Schedule normally has the disadvantage of not being competitive among bidders, who may therefore load the rates assigned to some or all the items. If a Daywork Schedule is to be included at all in the bidding documents, it is preferable to include nominal quantities against the items most likely to be used, and to carry the sum of the extended amounts forward into the Bid Summary in order to make the basic Schedule of Daywork Rates competitive.*
- (ii) *The total amount assigned to such competitive daywork is normally 3–5 percent of the estimated base Contract Price and is regarded as a Provisional Sum for contingencies to be expended under the direction and at the discretion of the Engineer.*

### **General**

1. Reference should be made to Sub-Clause 13.5 of the General Conditions. Work shall not be executed on a daywork basis except by written order of the Engineer. Bidders shall enter basic rates for daywork items in the Schedules, which rates shall apply to any quantity of daywork ordered by the Engineer. Nominal quantities have been indicated against each item of daywork, and the extended total for Daywork shall be carried forward as a Provisional Sum to the Summary Total Bid Amount. Unless otherwise adjusted, payments for daywork shall be subject to price adjustment in accordance with the provisions in the Conditions of Contract.

### **Daywork Labour**

2. In calculating payments due to the Contractor for the execution of daywork, the hours for labour will be reckoned from the time of arrival of the labour at the job site to execute the particular item of daywork to the time of return to the original place of departure, but excluding meal breaks and rest periods. Only the time of classes of labour directly doing work ordered by the Engineer and for which they are competent to perform will be measured. The time of gangers (charge hands) actually doing work with the gangs will also be measured but not the time of foremen or other supervisory personnel.
3. The Contractor shall be entitled to payment in respect of the total time that labour is employed on daywork, calculated at the basic rates entered by the Contractor in the **Schedule of Daywork Rates: 1. Labour**, together with an additional percentage payment on basic rates representing the Contractor’s profit, overheads, etc., as described below:
  - (a) The basic rates for labour shall cover all direct costs to the Contractor, including (but not limited to) the amount of wages paid to such labour, transportation time, overtime, subsistence allowances, and any sums paid to or on behalf of such labour for social benefits in accordance with law of the land. The basic rates will be payable in PKR only.
  - (b) The additional percentage payment to be quoted by the bidder and applied to costs incurred under (a) above shall be deemed to cover the Contractor’s profit, overheads, superintendence, liabilities, and insurances and allowances to labour, timekeeping, and clerical and office work, the use of consumable stores, water, lighting, and power; the use and repair of stagings, scaffolding, workshops, and stores, portable power tools, manual plant, and tools; supervision by the Contractor’s staff, foremen, and other supervisory personnel; and charges incidental to the foregoing. Payments under this item shall be made in the Pakistani Rupee:

### *[Note to the Procuring agency/Employer:*

*This method of indicating profit and overheads separately facilitates the addition of further items of daywork, if needed, the basic costs of which can then be checked more easily. An alternative is to make Daywork rates all-inclusive of the Contractor’s overhead and profit, etc., in which case this paragraph and the relevant Daywork Schedule should be modified accordingly.*

## Daywork Materials

4. The Contractor shall be entitled to payment in respect of materials used for daywork (except for materials for which the cost is included in the percentage addition to labour costs as detailed heretofore), at the basic rates entered by the Contractor in the **Schedule of Daywork Rates: 2. Materials**, together with an additional percentage payment on the basic rates to cover overhead charges and profit, as follows:
  - (a) the basic rates for materials shall be calculated on the basis of the invoiced price, freight, insurance, handling expenses, damage, losses, etc., and shall provide for delivery to store for stockpiling at the Site. The basic rates shall be quoted in the currency specified in the BDS.
  - (b) the additional percentage payment shall also be made in the currency specified in BDS:
  - (c) the cost of hauling materials for use on work ordered to be carried out as daywork from the store or stockpile on the Site to the place where it is to be used will be paid in accordance with the terms for Labour and Construction in this schedule.

## Daywork Contractor's Equipment

5. The Contractor shall be entitled to payments in respect of Contractor's Equipment already on Site and employed on daywork at the basic rental rates entered by the Contractor in the **Schedule of Daywork Rates, Contractor's Equipment**. Said rates shall be deemed to include due and complete allowance for depreciation, interest, indemnity, and insurance, repairs, maintenance, supplies, fuel, lubricants, and other consumables, and all overhead, profit, and administrative costs related to the use of such equipment.

*[Note to the Procuring agency/Employer: This is an example of wording to include overhead and profit, etc., in the daywork rates. A separate percentage addition could be used as for labour and materials.]* The cost of drivers, operators, and assistants will be paid for separately as described under the section on Daywork Labour. *An alternative, sometimes adopted for administrative convenience, is to include the cost of drivers, operators, and assistants in the basic rates for Contractor's Equipment. The last sentence of this paragraph 5 should then be modified accordingly.]*

6. In calculating the payment due to the Contractor for Contractor's Equipment employed on daywork, only the actual number of working hours will be eligible for payment, except that where applicable and agreed with the Engineer, the travelling time from the part of the Site where the Contractor's Equipment was located when ordered by the Engineer to be employed on daywork and the time for return journey thereto shall be included for payment.
  - (a) The basic rental rates for Contractor's Equipment employed on daywork shall be stated in the currency specified in the BDS and the payment to the Contractor will be made in the currency specified in BDS.







## Daywork Summary

<i>Description</i>	<i>Amount</i> (      )
1. Total for Daywork: Labour	
2. Total for Daywork: Materials	
3. Total for Daywork: Contractor's Equipment	
Total for Daywork (Provisional Sum) (carried forward to Bid Summary, p. ____)	_____

## Summary of Specified Provisional Sums

<i>Bill no.</i>	<i>Item no.</i>	<i>Description</i>	<i>Amount</i>
1			
2			
3			
4			
		<i>[To be entered by the Procuring agency/Employer; Delete if not applicable:]</i> provisional sums for additional ES outcomes.	
etc.			
Total for Specified Provisional Sums (carried forward to Grand Summary (B), p. _ )			

## Grand Summary

Contract Name: \_\_\_\_\_

Contract No.: \_\_\_\_\_

<i>General Summary</i>	<i>Page</i>	<i>Amount</i>
Bill No. 1:		
Bill No. 2:		
Bill No. 3:		
—etc.—		
<i>Subtotal of Bills</i>	<i>(A)</i>	
<i>Total for Daywork (Provisional Sum)<sup>2</sup></i>	<i>(B)</i>	
<i>Specified Provisional Sums included in subtotal of bills</i>	<i>(C)</i>	<i>[sum]</i>
<i>Total of Bills Plus Provisional Sums (A + B + C)<sup>3</sup></i>	<i>(D)</i>	
<i>Add Provisional Sum for Contingency Allowance (if any)<sup>4</sup></i>	<i>(E)</i>	<i>[sum]</i>
<i>Bid Price (D + E) (Carried forward to Letter of Bid)</i>	<i>(F)</i>	

<sup>2</sup> For evaluation purposes, Provisional Sum, other than Daywork will be excluded

<sup>3</sup> All Provisional Sums are to be expended in whole or in part at the direction and discretion of the Engineer in accordance with Sub-Clauses 13.4 and 13.5 of the General Conditions except with respect to DAAB Fees and Expenses for which Sub-Clause 13.4 of the Particular Conditions – Part B shall apply.

<sup>4</sup> To be entered by the Employer.

# **TECHNICAL PROPOSAL**

- **Site Organization**
- **Method Statement**
- **Mobilization Schedule**
- **Construction Schedule**
- **Equipment**

# **SITE ORGANIZATION**

# **METHOD STATEMENT**

## **MOBILIZATION SCHEDULE**

In accordance with the Particular Conditions, Sub-Clause 4.1, the Contractor shall not carry out mobilization to Site unless the Engineer gives consent.

# **CONSTRUCTION SCHEDULE**

## Form EQU: Equipment

The Bidder shall provide adequate information to demonstrate clearly that it has the capability to meet the requirements for the key equipment listed in Section III, Evaluation and Qualification Criteria. A separate Form shall be prepared for each item of equipment listed, or for alternative equipment proposed by the Bidder.

Item of Equipment		
Equipment information	Name of Manufacturer	Model and power rating
	Capacity	Year of manufacture
Current status	Current location	
	Details of current commitments	
Source	Indicate source of the equipment <input type="checkbox"/> Owned <input type="checkbox"/> Rented <input type="checkbox"/> Leased <input type="checkbox"/> Specially manufactured	

**Omit the following information for equipment owned by the Bidder.**

Owner	Name of owner	
	Address of owner	
	Telephone	Contact name and title
	Fax	Telex
Agreements	Details of rental / lease / manufacture agreements specific to the project	

## **SECTION VII: STANDARD BIDDING FORMS**

## TABLE OF FORMS

<b>S.No.</b>	<b>Detail</b>	<b>Page No.</b>
<b>1</b>	<b>Letter of Bid – Technical Proposal</b>	
<b>2</b>	<b>Letter of Bid - Financial Proposal</b>	
<b>3</b>	<b>Bidder Information Form</b>	
<b>4</b>	<b>Bidder’s JV Members Information Form</b>	
<b>5</b>	<b>Personnel</b>	
<b>6</b>	<b>Financial Situation</b>	
<b>7</b>	<b>Experience</b>	
<b>8</b>	<b>Form of Bid Security</b>	
<b>9</b>	<b>Form of Bid-Securing Declaration</b>	
<b>10</b>	<b>Appendix-A</b>	
<b>11</b>	<b>The Base Date Prices and Current Date Prices of the specified elements shall be obtained from the sources specified in the contract.</b>	

# Letter of Bid – Technical Proposal

*INSTRUCTIONS TO BIDDERS: DELETE THIS BOX ONCE YOU HAVE COMPLETED THE DOCUMENT*

*Place this Letter of Bid in the first envelope “TECHNICAL PROPOSAL”.*

*The Bidder must prepare the Letter of Bid on stationery with its letterhead clearly showing the Bidder’s complete name and business address.*

*Note: All italicized text in black font is to help Bidders in preparing this form and Bidders shall delete it from the final document.*

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

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

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

**To:** *[insert complete name of Procuring agency/Employer]*

We, the undersigned Bidder, hereby submit the first part of our Bid, the Technical Proposal

In submitting our Bid we make the following declarations:

- (a) **No reservations:** We have examined and have no reservations to the bidding document, including addenda issued in accordance with Instructions to Bidders (**ITB 9**);
- (b) **Eligibility:** We meet the eligibility requirements and have no conflict of interest in accordance with ITB 3;
- (c) **Bid/Proposal-Securing Declaration:** We have not been suspended nor declared ineligible by the Procuring agency/Employer based on execution of a Bid Securing Declaration or Bid Securing Declaration in the Procuring agency/Employer’s country in accordance with **ITB 3**;
- (d) **Conformity:** We offer to execute works in conformity with the bidding document and in accordance with the works requirements: *[insert a brief description of the WORKS]*;
- (e) **Bid Validity Period:** Our Bid shall be valid for the period specified in **BDS 18.1** (as amended, if applicable) from the date fixed for the Bid submission deadline specified in **BDS 24.1** (as amended, if applicable), and it shall remain binding upon us, and may be accepted at any time before the expiration of that period;
- (f) **Performance Security:** If our Bid is accepted, we commit to obtain a performance security in accordance with the bidding document;
- (g) **One Bid per Bidder:** We are not submitting any other Bid(s) as an individual Bidder, and we are not participating in any other bid(s) as a Joint Venture member or as a subcontractor, and meet the requirements, other than Alternative Bids submitted in accordance with **ITB 20**;
- (h) **Suspension and Debarment:** We, along with any of our subcontractors, suppliers, consultants, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to, a temporary suspension or a debarment imposed by the Procuring agency/Employer. Further, we are not ineligible under Pakistan laws;
- (i) **State-owned enterprise or institution:** *[select the appropriate option and delete the other] [We are not a state-owned enterprise or institution] / [We are a state-owned enterprise or institution];*
- (j) **Binding Contract:** We understand that this Bid, together with your written acceptance thereof included in your Letter of Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed;
- (k) **Not Bound to Accept:** We understand that you are not bound to accept the Most Advantageous Bid or any other Bid that you may receive; and
- (l) **Fraud and Corruption:** We hereby certify that we have taken steps to ensure that no person acting for us, or on our behalf, engages in any type of Fraud and Corruption.

**Name of the Bidder:** \*[insert complete name of Bidder]

**Country of Origin of the Bidder:** [insert country of origin, in case of JV country of origin of lead member]

**Name of the person duly authorized to sign the Bid on behalf of the Bidder:** \*\* [insert complete name of person duly authorized to sign the Bid]

**Title of the person signing the Bid:** [insert complete title of the person signing the Bid]

**Signature of the person named above:** [insert signature of person whose name and capacity are shown above]

**Date signed** [insert date of signing] **day of** [insert month], [insert year]

\*: In the case of the Bid submitted by a Joint Venture specify the name of the Joint Venture as Bidder.

\*\* : Person signing the Bid shall have the power of attorney given by the Bidder. The power of attorney shall be attached with the Bid Schedules.

# Letter of Bid - Financial Proposal

*INSTRUCTIONS TO BIDDERS: DELETE THIS BOX ONCE YOU HAVE COMPLETED THE DOCUMENT*

*Place this Letter of Bid - Financial Proposal in the second envelope marked "FINANCIAL PROPOSAL".*

*The Bidder must prepare the Letter of Bid - Financial Proposal on stationery with its letterhead clearly showing the Bidder's complete name and business address.*

*Note: All italicized text is to help Bidders in preparing this form.*

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

**Request for Bid No.:** *[insert number of bidding process]*

**Name of Project.:** *[insert identification]*

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

**To:** *[insert complete name of Procuring agency/Employer]*

We, the undersigned Bidder, hereby submit the second part of our Bid, the Financial Proposal

In submitting our Financial Proposal we make the following additional declarations:

- (a) **Bid Validity Period:** Our Bid shall be valid for the period specified in **BDS 18.1** (as amended, if applicable) from the date fixed for the bid submission deadline specified in **BDS 24.1** (as amended, if applicable), and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (b) **Total Price:** The total price of our Bid is:  
 In case of only one lot, the total price of the Bid is *[insert the total price of the bid in words and figures, indicating the various amounts and the respective currencies];*  
 In case of multiple lots, the total price of each lot is *[insert the total price of each lot in words and figures, indicating the various amounts and the respective currencies];*  
 In case of multiple lots, total price of all lots (sum of all lots) *[insert the total price of all lots in words and figures, indicating the various amounts and the respective currencies];*
- (c) **Commissions, gratuities and fees:** We have paid, or will pay the following commissions, gratuities, or fees with respect to the bidding process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity].*

Name of Recipient	Address	Reason	Amount

(If none has been paid or is to be paid, indicate "none.")

(a) **Binding Contract:** We understand that this Bid, together with your written acceptance thereof included in your Letter of Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed.

**Name of the Bidder:** \**[insert complete name of the Bidder]*

**Name of the person duly authorized to sign the Bid on behalf of the Bidder:** \*\* *[insert complete name of person duly authorized to sign the Bid]*

**Title of the person signing the Bid:** *[insert complete title of the person signing the Bid]*

**Signature of the person named above:** *[insert signature of person whose name and capacity are shown above]*

**Date signed** *[insert date of signing]* **day of** *[insert month]*, *[insert year]*

\*: In the case of the Bid submitted by a Joint Venture specify the name of the Joint Venture as Bidder.

\*\* : Person signing the Bid shall have the power of attorney given by the Bidder. The power of attorney shall be attached with the Bid Schedules.

# FORM ELI 1

## Bidder Information Form

*[The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]*

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

RFB No.: *[insert number of Bidding 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. In case of JV, legal name of each member: <i>[insert legal name of each member in JV]</i>
3. Bidder's actual or intended country of registration: <i>[insert actual or intended country of registration]</i>
4. Bidder's year of registration: <i>[insert Bidder's year of registration]</i>
5. Bidder's Address in country of registration: <i>[insert Bidder's legal address in country of registration]</i>
6. Bidder's Authorized Representative Information Name: <i>[insert Authorized Representative's name]</i> Address: <i>[insert Authorized Representative's Address]</i> Telephone/Fax numbers: <i>[insert Authorized Representative's telephone/fax numbers]</i> Email Address: <i>[insert Authorized Representative's email address]</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 documents of registration of the legal entity named above. <input type="checkbox"/> In case of JV, JV agreement, in accordance with ITB 3.3. <input type="checkbox"/> Establishing that the Bidder is not under the supervision of the Procuring agency/Employer [ in case of subsidiaries]
8. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

## FORM ELI 2

### Bidder's JV Members Information Form

*[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.
8. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

# Personnel

## Form PER -1

### Contractor's Representative and Key Personnel Schedule

Bidders should provide the names and details of the suitably qualified Contractor's Representative and Key Personnel to perform the Contract. The data on their experience should be supplied using the Form PER-2 below for each candidate.

#### Contractor' Representative and Key Personnel

.	<b>Title of position:</b>	
	<b>Name of candidate:</b>	
	<b>Duration of appointment:</b>	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	<b>Time commitment for this position:</b>	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	<b>Expected time schedule for this position:</b>	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>
.	<b>Title of position:</b>	
	<b>Name of candidate:</b>	
	<b>Duration of appointment:</b>	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	<b>Time commitment for this position:</b>	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	<b>Expected time schedule for this position:</b>	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>
.	<b>Title of position:</b>	
	<b>Name of candidate:</b>	
	<b>Duration of appointment:</b>	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	<b>Time commitment for this position:</b>	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	<b>Expected time schedule for this position:</b>	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>

.	<b>Title of position:</b>	
	<b>Name of candidate:</b>	
	<b>Duration of appointment:</b>	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	<b>Time commitment for this position:</b>	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	<b>Expected time schedule for this position:</b>	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>
.	<b>Title of position:</b>	
	<b>Name of candidate</b>	
	<b>Duration of appointment:</b>	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	<b>Time commitment for this position:</b>	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	<b>Expected time schedule for this position:</b>	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>
.	<b>Title of position:</b> <i>[insert title]</i>	
	<b>Name of candidate</b>	
	<b>Duration of appointment:</b>	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	<b>Time commitment for this position:</b>	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	<b>Expected time schedule for this position:</b>	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>

**Form PER-2:  
Resume and Declaration  
Contractor's Representative and Key Personnel**

<b>Name of Bidder</b>
-----------------------

<b>Position [#1]: [title of position from Form PER-1]</b>											
<b>Personnel information</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;"><b>Name:</b></td> <td><b>Date of birth:</b></td> </tr> <tr> <td><b>Address:</b></td> <td><b>E-mail:</b></td> </tr> <tr> <td colspan="2"><b>Professional qualifications:</b></td> </tr> <tr> <td colspan="2"><b>Academic qualifications:</b></td> </tr> <tr> <td colspan="2"><b>Language proficiency:</b> <i>[language and levels of speaking, reading and writing skills]</i></td> </tr> </table>	<b>Name:</b>	<b>Date of birth:</b>	<b>Address:</b>	<b>E-mail:</b>	<b>Professional qualifications:</b>		<b>Academic qualifications:</b>		<b>Language proficiency:</b> <i>[language and levels of speaking, reading and writing skills]</i>	
<b>Name:</b>	<b>Date of birth:</b>										
<b>Address:</b>	<b>E-mail:</b>										
<b>Professional qualifications:</b>											
<b>Academic qualifications:</b>											
<b>Language proficiency:</b> <i>[language and levels of speaking, reading and writing skills]</i>											
<b>details</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2"><b>Address of Procuring agency/Employer:</b></td> </tr> <tr> <td><b>Telephone:</b></td> <td><b>Contact (manager / personnel officer):</b></td> </tr> <tr> <td><b>Fax:</b></td> <td></td> </tr> <tr> <td><b>Job title:</b></td> <td><b>Years with present Procuring agency/Employer:</b></td> </tr> </table>	<b>Address of Procuring agency/Employer:</b>		<b>Telephone:</b>	<b>Contact (manager / personnel officer):</b>	<b>Fax:</b>		<b>Job title:</b>	<b>Years with present Procuring agency/Employer:</b>		
<b>Address of Procuring agency/Employer:</b>											
<b>Telephone:</b>	<b>Contact (manager / personnel officer):</b>										
<b>Fax:</b>											
<b>Job title:</b>	<b>Years with present Procuring agency/Employer:</b>										

Summarize professional experience in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

Project	Role	Duration of involvement	Relevant experience
<i>[main project details]</i>	<i>[role and responsibilities on the project]</i>	<i>[time in role]</i>	<i>[describe the experience relevant to this position]</i>

## Declaration

I, the undersigned [ *insert either "Contractor's Representative" or "Key Personnel" as applicable*], certify that to the best of my knowledge and belief, the information contained in this Form PER-2 correctly describes myself, my qualifications and my experience.

I confirm that I am available as certified in the following table and throughout the expected time schedule for this position as provided in the Bid:

Commitment	Details
<b>Commitment to duration of contract:</b>	<i>[insert period (start and end dates) for which this Contractor's Representative or Key Personnel is available to work on this contract]</i>
<b>Time commitment:</b>	<i>[insert period (start and end dates) for which this Contractor's Representative or Key Personnel is available to work on this contract]</i>

I understand that any misrepresentation or omission in this Form may:

- a) be taken into consideration during Bid evaluation;
- b) result in my disqualification from participating in the Bid;
- c) result in my dismissal from the contract.

**Name of Contractor's Representative or Key Personnel:** *[insert name]*

Signature: \_\_\_\_\_

Date: (day month year): \_\_\_\_\_

**Countersignature of authorized representative of the Bidder:**

Signature: \_\_\_\_\_

Date: (day- month- year): \_\_\_\_\_

**Form CON – 2**

# Historical Contract Non-Performance, Pending Litigation and Litigation History

Bidder's Name: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 JV Member Name \_\_\_\_\_  
 ICB/NCB No. and title: \_\_\_\_\_  
 Page \_\_\_\_\_ of \_\_\_\_\_ pages

Non-Performed Contracts in accordance with Qualification Criteria			
<input type="checkbox"/> Contract non-performance did not occur <i>[insert year]</i> <input type="checkbox"/> Contract(s) not performed since <i>[insert year]</i>			
Year	Non-performed portion of contract	Contract Identification	Total Contract Amount (current value, currency, exchange rate and PKR equivalent)
		Contract Identification: Name of Procuring agency/Employer (PA): Address of PA: Reason(s) for nonperformance:	
Pending Litigation, in accordance with Qualification Criteria			
<input type="checkbox"/> No pending litigation <input type="checkbox"/> Pending litigation			

<b>Year of dispute</b>	<b>Amount in dispute (currency)</b>	<b>Contract Identification</b>	<b>Total Contract Amount</b>
		Contract Identification: _____ Name of PA: _____ Address of PA: _____ Matter in dispute: _____ Party who initiated the dispute: _____ Status of dispute: _____	
<b>Litigation History in accordance with Section III, Evaluation and Qualification Criteria of the Prequalification document</b>			
<input type="checkbox"/> No Litigation History <input type="checkbox"/> Litigation History			
<b>Year of award</b>	<b>Outcome as percentage of Net Worth</b>	<b>Contract Identification</b>	<b>Total Contract Amount (currency), PKR Equivalent (exchange rate)</b>
<i>[insert year]</i>	<i>[insert percentage]</i>	Contract Identification: <i>[indicate complete contract name, number, and any other identification]</i> Name of PA: <i>[insert full name]</i> Address of PA: <i>[insert street/city/country]</i> Matter in dispute: <i>[indicate main issues in dispute]</i> Party who initiated the dispute: <i>[indicate "Procuring agency/Employer" or "Contractor"]</i> Reason(s) for Litigation and award decision <i>[indicate main reason(s)]</i>	<i>[insert amount]</i>

# Financial Situation

## Form FIN – 3.1:

### Financial Situation and Performance

Bidder's Name: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 JV Member's Name \_\_\_\_\_  
 ICB No. and title: \_\_\_\_\_  
 Page \_\_\_\_\_ of \_\_\_\_\_ pages

#### 1. Financial data

Type of Financial information in (currency)	Historic information for previous _____ years, (amount in currency, currency, exchange rate*, PKR equivalent)				
	Year 1	Year 2	Year 3	Year 4	Year 5
<b>Statement of Financial Position (Information from Balance Sheet)</b>					
Total Assets (TA)					
Total Liabilities (TL)					
Total Equity/Net Worth (NW)					
Current Assets (CA)					
Current Liabilities (CL)					
Working Capital (WC)					
<b>Information from Income Statement</b>					
Total Revenue (TR)					
Profits Before Taxes (PBT)					
<b>Cash Flow Information</b>					
Cash Flow from Operating Activities					

\*Refer to ITB 16 for the exchange rate

## 2. Sources of Finance

Specify sources of finance to meet the cash flow requirements on works currently in progress and for future contract commitments.

No.	Source of finance	Amount (PKR)

## 2. Financial documents

The Bidder and its parties shall provide copies of financial statements for years pursuant to Evaluation and Qualifications Criteria, Sub-factor 3.1. The financial statements shall:

- (a) Reflect the financial situation of the Bidder or in case of JV member, and not an affiliated entity (such as parent company or group member).
- (b) be independently audited or certified in accordance with local legislation.
- (c) be complete, including all notes to the financial statements.
- (d) correspond to accounting periods already completed and audited.

Attached are copies of financial statements for the years required above; and complying with the requirements

**Form FIN – 3.2:**

**Average Annual Construction Turnover**

Bidder's Name: \_\_\_\_\_

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

JV Member's Name \_\_\_\_\_

ICB/NCB No. and title: \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_ pages

<b>Annual Turnover Data (Construction Only)</b>			
<b>Year</b>	<b>Amount Currency</b>	<b>Exchange rate</b>	<b>PKR equivalent</b>
<i>[indicate year]</i>	<i>[insert amount and indicate currency]</i>		
Average Annual Construction Turnover *			

\* See Section III, Evaluation and Qualification Criteria.

### **Form FIN – 3.3:**

#### **Financial Resources**

Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contract or contracts as specified in Section (Evaluation and Qualification Criteria)

<b>Financial Resources</b>		
<b>No.</b>	<b>Source of Financing</b>	<b>Amount</b>
<b>1</b>		
<b>2</b>		
<b>3</b>		

**Form FIN – 3.4:**

**Current Contract Commitments / Works in Progress**

Bidders and each member to a JV should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

<b>Current Contract Commitments</b>					
<b>No.</b>	<b>Name of Contract</b>	<b>Procuring agency/Employer's Contact Address, Tel, Fax</b>	<b>Value of Outstanding Work [PKR Equivalent]</b>	<b>Estimated Completion Date</b>	<b>Average Monthly Invoicing Over Last Six Months [PKR/month]</b>
1					
2					
3					
4					
5					

**Form FIN - 5:**

**Self-Assessment Tool for Bidder’s Compliance to Financial Resources  
(Criterion 2.1 of Section 3)**

This form requires the same information submitted in Forms FIN – 3.3 and FIN -3.4. All conditions of “Available Financial Resources Net of CCC  $\geq$  Requirement for the Subject Contract” must be satisfied to qualify.

**Form FIN - 5A: For Single Entities**

<b>For Single Entities: (A)</b>	<b>Total Available Financial Resources from FIN – 3.3 (B)</b>	<b>Total Monthly Financial Requirement for Current Contract Commitments (CCC) from FIN – 3.4 (C)</b>	<b>Available Financial Resources Net of CCC D = (B - C)</b>	<b>Requirement for the Subject Contract (E)</b>	<b>Results: Yes or No [D must be greater than or equal to E] (F)</b>
<hr/> (Name of Bidder)				.....	

## Form FIN - 5B: For Joint Ventures

For Joint Ventures: (A)	Total Available Financial Resources from FIN – 3.3 (B)	Total Monthly Financial Requirement for Current Contract Commitments (CCC) from FIN – 3.4 (C)	Available Financial Resources Net of CCC $D = (B - C)$	Requirement for the Subject Contract (E)	Results: Yes or No [ <i>D must be greater than or equal to E</i> ] (F)
One Partner:					
(Name of Partner)				.....	
Each Partner:					
(Name of Partner 1)				.....	
(Name of Partner 2)				.....	
(Name of Partner 3)				.....	
All partners combined	$\sum D =$ Sum of available financial resources net of current contract commitments for all partners		$\sum D =$ _____	.....	

Form FIN – 5 is made available for use by the bidder as a self-assessment tool, and by the employer as an evaluation work sheet, to determine compliance with the financial resources requirement as stated in 2.3.3. Failure to submit Form FIN - 5 by the Bidder shall not lead to bid rejection.

# EXPERIENCE

## Form EXP - 4.1

### General Construction Experience

Bidder's Name: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 JV Member's Name \_\_\_\_\_  
 ICB/NCB No. and title: \_\_\_\_\_  
 Page \_\_\_\_\_ of \_\_\_\_\_ pages

Starting Year	Ending Year	Contract Identification	Role of Bidder
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of PA: _____ Address: _____	
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of PA: _____ Address: _____	
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of PA: _____ Address: _____	

## Form EXP - 4.2(a)

# Specific Construction and Contract Management Experience

Bidder's Name: \_\_\_\_\_

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

JV Member's Name \_\_\_\_\_

ICB/NCB No. and title: \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_ pages

Similar Contract No.	Information			
Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor <input type="checkbox"/>	Member in JV <input type="checkbox"/>	Management Contractor <input type="checkbox"/>	Sub-contractor <input type="checkbox"/>
Total Contract Amount			PKR equivalent	
If member in a JV or sub-contractor, specify participation in total Contract amount				
PA's Name:				
Address:				
Telephone/fax number				
E-mail:				

**Form EXP - 4.2(a) (cont.)**  
**Specific Construction and Contract Management**  
**Experience (cont.)**

Similar Contract No.	Information
Description of the similarity in accordance with Sub-Factor 4.2(a) of Section III:	
1. Amount	
2. Physical size of required works items	
3. Complexity	
4. Methods/Technology	
5. Construction rate for key activities	
6. Other Characteristics	

**Form EXP - 4.2(b)**

**Construction Experience in Key Activities**

Bidder's Name: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Bidder's JV Member Name: \_\_\_\_\_  
 Sub-contractor's Name<sup>5</sup> (as per ITB 34.2 and 34.3): \_\_\_\_\_  
 ICB/NCB No. and title: \_\_\_\_\_  
 Page \_\_\_\_\_ of \_\_\_\_\_ pages

All Sub-contractors for key activities must complete the information in this form as per ITB 38 and Qualification Criteria and Requirements, Sub-Factor 4.2.

1. Key Activity No One: \_\_\_\_\_

<b>Information</b>				
Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor <input type="checkbox"/>	Member in JV <input type="checkbox"/>	Management Contractor <input type="checkbox"/>	Sub-contractor <input type="checkbox"/>
Total Contract Amount			PKR equivalent	
Quantity (Volume, number or rate of production, as applicable) performed under the contract per year or part of the year	Total quantity in the contract (i)	Percentage Participation (ii)		Actual Quantity Performed (i) x (ii)
Year 1				
Year 2				
Year 3				
Year 4				
PA's Name:				
Address: Telephone/fax number E-mail:				

2. Activity No. Two

3. ....

<sup>5</sup> If applicable

	<b>Information</b>
Description of the key activities in accordance with Section III:	

## Form EXP - 4.2 (c)

### Specific Experience in Managing ES aspects

*[The following table shall be filled in for contracts performed by the Bidder, and each member of a Joint Venture]*

Bidder's Name: *[insert full name]*

Date: *[insert day, month, year]*

Joint Venture Member Name: *[insert full name]*

ICB/NCB No. and title: *[insert ICB/NCB number and title]*

Page *[insert page number]* of *[insert total number]* pages

1. Key Requirement no 1 in accordance with 4.2 (c): \_\_\_\_\_

Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor <input type="checkbox"/>	Member in JV <input type="checkbox"/>	Management Contractor <input type="checkbox"/>	Subcontractor <input type="checkbox"/>
Total Contract Amount			PKR	
Details of relevant experience				

2. Key Requirement no 2 in accordance with 4.2 (c): \_\_\_\_\_

3. Key Requirement no 3 in accordance with 4.2 (c): \_\_\_\_\_

4. ...

# Appendix-A

## Form of Bid Security

(Bank Guarantee)

*[The bank shall fill in this Bank Guarantee Form in accordance with the instructions indicated.]*

*[Guarantor letterhead or SWIFT identifier code]*

**Beneficiary:** *[Purchaser to insert its name and address]*

**No.:** *[Purchaser to insert reference number for the Request for Bids]*

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

**Date:** *[Insert date of issue]*

**BID GUARANTEE No.:** *[Insert guarantee reference number]*

**Guarantor:** *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that \_\_\_\_\_ *[insert name of the Bidder, which in the case of a joint venture shall be the name of the joint venture (whether legally constituted or prospective) or the names of all members thereof]* (hereinafter called "the Applicant") has submitted or will submit to the Beneficiary its Bid (hereinafter called "the Bid") for the execution of \_\_\_\_\_ under Request for Bids No. \_\_\_\_\_ ("the RFB").

Furthermore, we understand that, according to the Beneficiary's conditions, Bids must be supported by a Bid guarantee.

At the request of the Applicant, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of \_\_\_\_\_ (\_\_\_\_\_) upon receipt by us of the Beneficiary's complying demand, supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that either the Applicant:

- (a) has withdrawn its Bid during the period of Bid validity set forth in the Applicant's Letter of Bid ("the Bid Validity Period"), or any extension thereto provided by the Applicant; or
- (b) having been notified of the acceptance of its Bid by the Beneficiary during the Bid Validity Period or any extension thereto provided by the Applicant, (i) has failed to sign the contract agreement, or (ii) has failed to furnish the performance security, in accordance with the Instructions to Bidders ("ITB") of the Beneficiary's bidding document.

This guarantee will expire: (a) if the Applicant is the successful Bidder, upon our receipt of copies of the Contract agreement signed by the Applicant and the performance security issued to the Beneficiary in relation to such Contract agreement; or (b) if the Applicant is not the successful Bidder, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the Bidding process; or (ii) twenty-eight days after the end of the Bid Validity Period.

Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

\_\_\_\_\_  
*[Signature(s)]*

***Note: All italicized text is for use in preparing this form and shall be deleted from the final product.***

## **Form of Bid-Securing Declaration**

**(Not Used)**

# Letter of Acceptance

[Letter head paper of the Procuring Agency]

To: *[name and address of the Supplier]*

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

This is to notify you that your Bid dated *[date]* for execution of the *[name of the Contract and identification number, as given in the Special Conditions of Contract]* for the Contract Price of the equivalent of *[amount in numbers and words]* *[name of currency]*, as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by us.

We hereby confirm *[insert the name of the Appointing Authority]*, to be the Appointing Authority, to appoint the Arbitrator in case of any arisen disputes.

You are hereby informed that after you have read and return the attached draft Contract the parties to the contract shall sign the vetted contract within fourteen (14) working days.

You are hereby required to furnish the Performance Guarantee/Security in the form and the amount stipulated in the Special Conditions of the Contract within a period of fourteen (14) days after the receipt of Letter of Acceptance.

Authorized Signature:

Name and Title of Signatory:

Name of Agency: Attachment:

Contract

Copy: Appointing Authority and Firm

# Appendix-B

## Form of Bid-Securing Declaration

*[The Bidder shall fill in this Form in accordance with the instructions indicated.]*

Date: *[date (as day, month and year)]*

No.: *[number of bidding process]*

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

To: *[complete name of Procuring agency/Employer]*

We, the undersigned, declare that:

We understand that, according to your conditions, Bids must be supported by a Bid-Securing Declaration.

We accept that we will be blacklisted and henceforth cross debarred for participating in respective category of public procurement proceedings for a period of (not more than) six months, if fail to abide with a bid securing declaration, however without indulging in corrupt and fraudulent practices, if we are in breach of our obligation(s) under the Bid conditions, because we:

- (a) have withdrawn our Bid during the period of Bid validity specified in the Letter of Bid; or
- (b) having been notified of the acceptance of our Bid by the Procuring agency/Employer during the period of Bid validity, (i) fail or refuse to sign the Contract; or (ii) fail or refuse to furnish the Performance Security (or guarantee), if required, in accordance with the ITB.

We understand this Bid Securing Declaration shall expire if we are not the successful Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight days after the expiration of our Bid.

Name of the Bidder\* \_\_\_\_\_

Name of the person duly authorized to sign the Bid on behalf of the Bidder\*\* \_\_\_\_\_

Title of the person signing the Bid \_\_\_\_\_

Signature of the person named above \_\_\_\_\_

Date signed \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

\*: In the case of the Bid submitted by joint venture specify the name of the Joint Venture as Bidder

\*\* : Person signing the Bid shall have the power of attorney given by the Bidder attached to the Bid

*[Note: In case of a Joint Venture, the Bid-Securing Declaration must be in the name of all members to the Joint Venture that submits the Bid.]*

# Appendix-C

## Formula for Price Adjustment

*[Note to Procuring agency/Employer: It is recommended that in the case of very large and/or complex works contracts, it may be necessary to specify several families of price adjustment formulae corresponding to the different works involved. When finalizing the contract document, ensure that the finalized Schedule of Cost Indexation is attached to the Contract Agreement.]*

- a) Price Adjustment/ escalation shall not be applicable on Civil, Mechanical and Electrical projects /contracts having contract life less than 365 days from the date of the signing of the contract.
- b) Procuring Agency/Employer is advised not to change any provisions hereof unless otherwise stated by the Authority.
- c) No method, other than given in this formula will be applicable to compute the price adjustment.
- d) This document will be applicable only for Price Adjustment in local currency (Pak. Rs.). Price Adjustment in foreign currency is not allowed.
- e) Price Adjustment formula and corresponding references to be inferred for price adjustment shall be agreed and firmed up before signing of the contract. Procuring agency and contractor shall firm up the weightages and co-efficient for respective items before signing of the contract and there shall be no change permissible in the weightages after signing of the contract.
- f) For imported plant/ equipment and materials quoted in local currency (Pak. Rs.), foreign currency, exchange rates shall be fixed at the respective interbank currency exchange rates, 28 days prior to the tender opening date. The change in foreign currency exchange rate will be applicable to the foreign currency component stated in the Letter of Credit established by the Contractor or his Vendor.
- g) This procedure is to assist the Procuring agency/Employer and bidder for the preparation of provisions for price adjustment in their bidding / contract documents. All the coefficients of the price adjustment formula shall be specified in the bidding document at the time of advertisement.

*[The formulae for price adjustment shall be of the following general type:]*

$$P_n = A + b \frac{L_n}{L_o} + c \frac{M_n}{M_o} + d \frac{E_n}{E_o} + \dots$$

where,

“**P<sub>n</sub>**” is the Price Adjustment factor for the work carried out in the period “n”.

“**A**” is a constant or the Non-Adjustable Portion of the Price Adjustment Factor to be specified in Appendix-C to Bid, representing the Non-Adjustable Portion of the Contract Price.

“**b, c, d** .....” are Coefficients or weightages of the order of 0.xx (i.e., fractions rounded off to two decimals) for each specified element of adjustment in the Contract. The sum of **A, b, c, d**, etc., shall be one.

“**L<sub>n</sub>**”, “**E<sub>n</sub>**”, “**M<sub>n</sub>**”, ... are the current cost indices or reference prices for period “n”, expressed in the relevant currency of payment, each of which is applicable to the relevant tabulated cost element on the date 28 days prior to the last day of the period (to which the particular Payment Certificate relates); and

“**L<sub>o</sub>**”, “**E<sub>o</sub>**”, “**M<sub>o</sub>**”, ... are the base cost indices or reference prices, expressed in the relevant currency of payment, each of which is applicable to the relevant tabulated cost element on the Base Date.

1. Construction schedule should be provided by the contractor as required in the Contract. Price Adjustment shall be applicable as payable in full for the original scheduled completion period.
2. In the event the completion of contract exceeds the original scheduled period:
  - 2.1 In case of default on the part of the contractor causing delay in original scheduled completion, the rate of Price Adjustment will be frozen at the original scheduled date of completion; however Price Adjustment will be applicable till actual completion. While computing Price Adjustment beyond the scheduled completion period, in the event the rate is reduced, then that reduced rate will be applied.
3. The Price Adjustment will be payable in full for the extended period if the contractor has been granted an extension of time for no fault on the part of the contractor, duly approved by the Employer.
4. Unless specifically stated otherwise in the contract, the basis for compensation will be only those elements, which are specifically listed as specified items in the tender documents. This list will specify the elements for Civil, Electrical, Mechanical, Sanitary, HVAC, etc., separately.
5. Formula for Price Adjustment provided herein will be applicable for all the contracts such as Civil, Electrical, Mechanical, etc.
6. There shall be no Price Adjustment for the elements which the Employer has either supplied free of cost or at fixed prices as well as for those elements for which an umbrella *ex gratia* or escalation cover is provided by the Government through an Executive Order or Statutory Regulatory Order (SRO).

#### **Weightages of Specified Items**

Each of the cost elements, having cost impact of five (05) percent or higher can be selected for adjustment.

In determining the weightages, the following procedure shall be adopted:

- a) Base Date Price alone of an element based on market rate shall be considered excluding cost of construction/ installation, overheads and profit.
- b) Engineer's Estimate shall be prepared for complete project.
- c) Appropriate Rate Analysis of the Engineer's Estimate shall be made to determine costs of the basic elements.
- d) For such cost elements having various types of a particular element, individual cost of such family of the element used in the project to be determined and added to work out the element cost. (Grade-40 and Grade-60 steel shall be treated under same category).
- e) Each cost element determined as above, shall be divided by the total amount of Engineer's Estimate to determine various weightages.

### **Weightage of Fixed Portion**

Weightage of fixed portion (Non-adjustable portion of the estimated cost of the contract), shall be determined as under:

- a) First the weightages of all the cost elements having value of five (5) percent or more to be added up to see whether the total is 75 percent or less. In that case the total is to be subtracted from one (01) to determine the weightage of the fixed portion,
- b) In case total weightage of the cost elements including HSD and labour exceeds 75 percent, the element(s) having lowest weightage(s) other than HSD and labour, shall be excluded in considering the adjustable costs elements.
- c) Fixed portion shall be 25 percent and in case the fixed portion exceeds 25 percent it shall be supported by calculations attached with the bidding documents.
- d) Sum of fixed portion and weightages b, c, d., etc., of the adjustable portion shall always be one (01).

### **Base Date Price**

The base date price (or base date index) of any element shall be the price of the element for the month on the day falling 28 days prior to the last day for submission of bids.

### **Current Date Price**

The current date price (or current date index) of any element shall be the price of the element for the month falling on the day 28 days prior to the last day of the period to which the particular Payment Certificate relates.

### **Sources of Prices**

The prices of elements subject to Price Adjustment shall be to the extent possible as given in the Statistical Bulletins published by Federal Bureau of Statistics (FBS), Statistical Division Government of Pakistan. Statutory notifications and official price from public sector organizations, where available, may be used at the option of the Employer. The source for prices of High Speed Diesel (HSD) shall be either Statistical Bulletins or Pakistan State Oil (PSO) or Oil and Gas Regulatory Authority (OGRA). However, for a particular adjustable element, the same source should be used throughout the currency of contract as also stipulated in the tender documents before issuing the tender documents.

The Base Date Prices and Current Date Prices of the specified elements shall be obtained from the sources specified in the contract.

### **Method for payment of bills**

The billed amount of the Works for each calendar month will be obtained from the checked bills submitted by the Contractor. In case the billed amount is for more than one month, the amount of the bill shall be segregated for actual workdone in each month.

### **Coefficient or Weightages**

- a) The coefficient for each specified element shall be calculated and given in the bidding/tender documents. The coefficient for each specified adjustable element shall be determined by the user proportionate to its ratio in the total amount of the Engineer's Estimate, in accordance with the prescribed procedure. The sum of these coefficients shall form the adjustable portion of the Contract, which shall not exceed 0.75.

- b) Coefficients for each adjustable item shall be agreed by both parties and shall be fixed and locked at the time of the signing of the contract and shall remain constant during the currency of the contract.

**Price Adjustment for Lump Sum Contract**

- a) Formula of Price Adjustment shall be used in determining Price Adjustment for contracts having detailed breakdown of cost. However, when a contract is assigned on lump sum basis without detailed breakdown of quantities and cost, Price Adjustment for the Specified Elements in the contract will be computed as follows:

$$\text{Increase/ Decrease in Cost (Price Adjustment Factor)} = \frac{\text{Current Date Price} - \text{Base Date Price}}{\text{Date Price}}$$

- b) If the resulting Price Adjustment Factor is positive (+ve), the price should be added to the contractor's payable amount. If the result is negative (-ve), the price should be subtracted from the payable amount.
- c) The executed quantities of the elements subject to Price Adjustment can be obtained from the actual measurement or from certified invoice of the contractor or any other mode agreed between the parties which shall be stipulated in the contract.

## **Technical Requirement**

All the business requirements can be assessed from the Business Requirement Document, as described in details in Volume-II. Moreover, the internal procedures (Business Process Document) of the Procuring Agency will be shared with the Contractor.

## A. Implementation Schedule

Sr. No.	Milestones	Time Period
1.		
2.		
3.		
4.		

## Form 1 Letter of Bid

INSTRUCTIONS TO BIDDERS:(delete this box once you have completed the document)

Place this Letter of Bid in the first envelope “TECHNICAL PROPOSAL”.

The Bidder must prepare the Letter of Bid on stationery with its letter head clearly showing the Bidder’s complete name and business address.

Note:All italicized text in black font is to help Bidders in preparing this form and Bidders shall delete it from the final document.

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

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

**Request for Bid No.:**[*insert identification*]

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

[*insert complete name of Procuring Agency*]

We, the undersigned Bidder, hereby submit our Bid, in two parts, namely:

- (a) The Technical Proposal, and
- (b) The Financial Proposal.

In submitting our Bid, we make the following declarations:

- (a) **No reservations:** We have examined and have no reservations to the bidding document, including addenda issued in accordance with Instructions to Bidders (ITB 9);
- (b) **Eligibility:** We meet the eligibility requirements and have no conflict of interest in accordance with ITB 3;
- (c) **Bid/Proposal-Securing Declaration:** We have not been suspended nor declared ineligible by the Procuring Agency based on execution of a Bid Securing Declaration or Proposal Securing Declaration in the Procuring Agency’s country in accordance with ITB 4;
- (d) **Conformity:** We offer to supply in conformity with the bidding document and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods: [*insert a brief description of the Goods and Related Services*];
- (e) **Total Price:** The total price of our Bid, excluding any discounts offered in item
- (f) **Discounts:** The discounts offered and the methodology for their application are:
  - (i) The discounts offered are: [*Specify in detail each discount offered*]
  - (ii) The exact method of calculations to determine the net price after application of discounts is shown below: [*Specify in detail the method that shall be used to apply the discounts*];
- (g) **Bid Validity Period:** Our Bid shall be valid for the period specified in **BDS 17.1** (as amended, if applicable) from the date fixed for the Bid submission deadline specified in **BDS 23.1** (as amended, if applicable), and it shall remain binding upon us, and may be accepted at any time before the expiration of that period;
- (h) **Performance Security:** If our Bid is accepted, we commit to obtain a performance security in accordance with the bidding document;

- (i) **One Bid per Bidder:** We are not submitting any other Bid(s) as an individual Bidder, and we are not participating in any other bid(s) as a Joint Venture member or as a subcontractor, and meet the requirements, other than Alternative Bids submitted in accordance with **ITB 19**;
- (j) **Suspension and Debarment:** We, along with any of our sub-contractors, suppliers, consultants, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to, a temporary suspension or a debarment imposed by the Procuring Agency. Further, we are not ineligible under Pakistan laws;
- (k) **State-owned enterprise or institution:** [*select the appropriate option and delete the other*] [*We are not a state-owned enterprise or institution*] / [*We are a state-owned enterprise or institution but meet the requirements of*];
- (l) **Binding Contract:** We understand that this Bid, together with your written acceptance thereof included in your Letter of Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed;
- (m) **Not Bound to Accept:** We understand that you are not bound to accept the Most Advantageous Bid or any other Bid that you may receive; and
- (n) **Fraud and Corruption:** We hereby certify that we have taken steps to ensure that no person acting for us, or on our behalf, engages in any type of Fraud and Corruption. We also declare that the Government of Pakistan or Provincial Governments have not declared us ineligible on charges of engaging in corrupt, fraudulent, collusive, or coercive practices.

**Name of the Bidder:** *\*[insert complete name of Bidder]*

**Name of the person duly authorized to sign the Bid on behalf of the Bidder:**

**\*\*** *[insert complete name of person duly authorized to sign the Bid]*

**Title of the person signing the Bid:** *[insert complete title of the person signing the Bid]*

**Signature of the person named above:** *[insert signature of person whose name and capacity are shown above]*

**Date signed** *[insert date of signing]* **day of** *[insert month]* , *[insert year]*

\*: In the case of the Bid submitted by a Joint Venture specify the name of the Joint Venture as Bidder.

\*\* : Person signing the Bid shall have the power of attorney given by the Bidder. The power of attorney shall be attached with the Bid Schedules.

## Bidder Information Form

*[The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]*

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

No.: *[insert number of bidding 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. In case of JV, legal name of each member: <i>[insert legal name of each member in JV]</i>
3. Bidder's actual or intended country of registration: <i>[insert actual or intended country of registration]</i>
4. Bidder's year of registration: <i>[insert Bidder's year of registration]</i>
5. Bidder's Address in country of registration: <i>[insert Bidder's legal address in country of registration]</i>
<p>6. Bidder's Authorized Representative Information</p> <p style="margin-left: 20px;">Name: <i>[insert Authorized Representative's name]</i></p> <p style="margin-left: 20px;">Address: <i>[insert Authorized Representative's Address]</i></p> <p style="margin-left: 20px;">Telephone / Fax numbers: <i>[insert Authorized Representative's telephone / fax numbers]</i></p> <p style="margin-left: 20px;">Email Address: <i>[insert Authorized Representative's email address]</i></p>
<p>7. Attached are copies of original documents of <i>[check the box(es) of the attached original documents]</i></p> <p><input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and /or documents of registration of the legal entity named above.</p> <p><input type="checkbox"/> In case of JV, letter of intent to form JV or JV agreement, in accordance with ITB 3.4.</p> <p><input type="checkbox"/> Establishing that the Bidder is not under the supervision of the Procuring Agency</p> <p>8. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.</p>

## Curriculum Vitae (CV) For Proposed Professional Staff

1. Proposed Position [Title of the position]: \_\_\_\_\_
2. Name of Firm [Insert name of firm proposing the staff]: \_\_\_\_\_
3. Name of Staff [Insert full name]: \_\_\_\_\_
4. Date of Birth: \_\_\_\_\_ Nationality: \_\_\_\_\_
5. CNIC No. (if Pakistani): \_\_\_\_\_ or Passport No: \_\_\_\_\_

6. Education:

Degree	Major/Minor	Institution	Completion Date (MM/YYYY)

7. Membership of Professional Associations: \_\_\_\_\_
8. Other Training [Indicate significant training since degrees under 6 - Education were obtained]: \_\_\_\_\_
9. Languages [For each language indicate proficiency: good, fair, or poor in speaking, reading, and writing]: \_\_\_\_\_
10. Employment Record (within Pakistan) [Starting with present position, list in reverse order every employment held by staff members in graduation, giving for each employment on the following format:

Employer	Position	From (MM/YYYY)	To (MM/ YYYY)

11. Employment Record (International) [Starting with present position, list in reverse order every employment held by staff member since graduation, giving for each employment on the following format:

Employer	Country	Position	From (MM/ YYYY)	To (MM/ YYYY)

**12. Detailed Tasks Assigned**

[List all tasks to be performed under this assignment]

**13. Certification:**

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any will full mis-statement described herein may lead to my disqualification or dismissal, if engaged.

[Signature of staff member or authorized representative of the staff]\_\_\_\_\_

Full name of authorized representative (attach authority letter):\_\_\_\_\_

Date: (Day/Month/ Year) \_\_\_\_\_

## Bidder's JV Members Information Form

*[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.
8. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

## Form of Qualification Information

<b>1. Individual Bidders or Individual Members of Joint Ventures</b>	1.1 Constitution or legal status of Bidder: <i>[attach copy]</i>  Place of registration: <i>[insert]</i>  Principal place of business: <i>[insert]</i>  Power of attorney of signatory of Bid: <i>[attach]</i>
--	--

### 13.2. Proposed sub-contracts and firms involved. Refer to GCC 18.

Sections of the Services	Value of Sub-contract	Sub-contractor (name and address)	Experience in providing similar Services
(a)			
(b)			

Financial reports for the last three (03) years: balance sheets, profit and loss statements, auditors' reports, etc. List below and attach copies.

13.3. Evidence of access to financial resources to meet the qualification requirements: cash in hand, lines of credit, etc . List below and attach copies of support documents. We certify/confirm that we comply with eligibility requirements as per ITB 3 of the bidding documents.

13.4. Name, address, and telephone, telex, and facsimile numbers of banks that may provide references if contacted by the Procuring Agency.

13.5. Information regarding any litigation, current or with in the last *(insert period)* years, in which the Bidder is or has been involved.

Other party (ies)	Cause of dispute	Details of litigation award	Amount involved
(a)			
(b)			

	<ol style="list-style-type: none"> <li>1. Information regarding Occupation Health and Safety Policy and Safety Records of the Bidder.</li> <li>2. Statement of compliance with the requirements of ITB3.4.</li> <li>3. Proposed Program (service work method and schedule). Descriptions, drawings, and charts, as necessary, to comply with the requirements of the bidding documents.</li> </ol>
<b>2. Joint Ventures</b>	<ol style="list-style-type: none"> <li>1. The information listed in 1.6-1.7 above shall be provided for each member of the joint venture.</li> <li>2. The information in 1.8 above shall be provided for the joint venture.</li> <li>3. Attach the power of attorney of the signatory (ies) of the Bid authorizing signature of the Bid on behalf of the joint venture.</li> <li>4. Attach the Contract among all members of the joint venture (and which is legally binding on all members), which shows that <ol style="list-style-type: none"> <li>(a) all members shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms;</li> <li>(b) one of the members will be nominated as being in-charge, authorized to incur liabilities, and receive instructions for and on behalf of any and all members of the joint venture; and</li> <li>(c) the execution of the entire Contract, including payment, shall be done exclusively with the member in charge.</li> </ol> </li> </ol>
<b>3. Additional Requirements</b>	3.1 Bidders should provide any additional information required in the Bid Data Sheet and to fulfill the requirements of ITB 12.1, if applicable.

We, the undersigned declare that

- (a) The information contained in and attached to this form is true and accurate as of the date of bid submission
- (b) The originally submitted pre-qualification information remains essentially correct as of date of submission

Authorized Signature: \_\_\_\_\_

Name and Title of Signatory: \_\_\_\_\_

Name of Bidder: \_\_\_\_\_

Address: \_\_\_\_\_

**Form FIN**  
**Financial Situation and Performance**

*[The following table shall be filled in for the Bidder and for each member of a Joint Venture]*

Bidder's Name: *[insert full name]*  
Date: *[insert day, month, year]*  
Joint Venture Member Name: *[insert fullname]*  
RFB No. And title: *[insert RFB number and title]*  
Page *[insertpagenumber]* of *[inserttotalnumber]* pages

**1. Financial documents**

The Bidder and its parties shall provide copies of financial statements for here (03) years. The financial statements shall:

- (a) Reflect the financial situation of the Bidder or in case of JV member, and not an affiliated entity (such as parent company or group member).
  - (b) Be independently audited or certified in accordance with local legislation.
  - (c) Be complete, including balance sheet, income statement, cash flow statement, all notes to the financial statements, Auditors notes, Auditors report, UDIN number, etc.,
  - (d) Be signed and stamped by auditor and duly signed by company director, as applicable.
  - (e) Correspond to accounting periods already completed and audited.
- Attached are copies of audited financial statements for the three (03) years required above; and complying with the requirements.

**(a) Financial Data**

Bidder's Name: *[insert full lname]*

Date: *[insert day, month ,year]* Joint Venture Member Name: *[insert full name]* RFB No. And title:  
*[insert RFB number and title]*

Page *[insert page number]* of *[insert total number]* pages

Financial information	Historic information for previous 3 ( <i>three</i> ) years, in Pak Rupees millions (Equivalent at the rate of exchange at the end of each year)		
	Year1(2024/25)	Year2(2023/24)	Year3(2022/23)
<b>Statement of Financial Position (Information from Balance sheet)</b>			
Total Assets (TA)			
Total Liabilities (TL)			
Total Equity / Net Worth (NW)			
Current Assets (CA)			
Current Liabilities (CL)			
Working Capital (CA-CL)			
<b>Information from Income Statement</b>			
Total Revenue (TR)			
Profits Before Taxes			
<b>Information from Cash flow Statement</b>			
Cash Flow from Operating Activities			

The single currency for the conversion of all prices expressed in various currencies in to a single one is: **PKR**  
The official source of the selling (exchange) rate is: State Bank of Pakistan

(a) **Average Annual Turnover**

*[The following table shall be filled in for the Bidder and for each member of a Joint Venture]*

<b>Annual Turnover Data Equivalent in Pak Rupees, Millions</b>									
<b>Partner</b>	<b>Year 1 (2024/25)</b>			<b>Year 2 (2023/24)</b>			<b>Year 3 (2022/23)</b>		
	<b>Currency (Indicate currency)</b>	<b>a. Exchange Rate</b>	<b>PKR Equivalent</b>	<b>Currency (Indicate currency)</b>	<b>Exchange Rate</b>	<b>PKR Equivalent</b>	<b>Currency (Indicate currency)</b>	<b>Exchange Rate</b>	<b>PKR Equivalent</b>
1. Lead Partner or Single Entity									
2. Partner									
3. Partner									
<b>Total (millions)</b>									
<sup>b</sup> Average Annual Turnover (PKR millions)									

<sup>a</sup> PKR Equivalent at the rate of exchange at the end of each year

<sup>b</sup> Average Annual Turnover (PKR million) = Sum of Total PKR equivalent for all years divided by 3

## Price Schedule Forms

*[The Bidder shall fill in these Price Schedule Forms in accordance with the instructions indicated. In information systems procurement, the Contract Price (and payment schedule) should be linked as much as possible to achievement of operational capabilities, not just to the physical delivery of technology]*

### Summary of Cost

Item	Cost in Figures	Cost in Words (Pak Rupees)
Module wise cost		

### Breakdown of Summary Cost by Activity

Sr. No.	Activities (Phase)	Cost (Pak Rupees)
1.		
2.		
3.		
4.		
<b>Grand Total</b>		

### Break Down of Remuneration

Sr. No.	Name	Position	Staff Month Rate	Total
<b>Grand Total</b>				

### Break Down of Reimbursable Expenses

Sr. No.	Description	Unit	Unit Cost
<b>Grand Total</b>			

Note: These Prices must include all incidental costs associated with the provision of the service, such as travel, subsistence, office support, communications, printing of materials, etc., and all taxes, levies, duties and fees imposed.

The bidder must separately quote the licensing cost for software for the proposed solution (such as Database Management System, Application Server, and any third-party tools etc.). However, this amount will not be taken into consideration for financial evaluation.

The bidder must quote the maintenance cost of the software for one (01) year after the successful deployment and issuance of Taking Over Certificate.

**Manufacturer's Authorization**

**(Not Used)**

### General Information Form

All individual firms and each partner of a Joint Venture that are bidding must complete the information in this form. Nationality information should be provided for all owners or Bidders that are partnerships or individually owned firms.

Where the Bidder proposes to use named Subcontractors for highly specialized components of the Information System, the following information should also be supplied for the Subcontractor(s).

<b>1.</b>	<b>Name of firm</b>	
<b>2.</b>	<b>Head office address</b>	
<b>3.</b>	<b>Telephone</b>	<b>Contact</b>
<b>4.</b>	<b>Fax</b>	<b>Telex</b>
<b>5.</b>	<b>Place of incorporation / registration</b>	<b>Year of incorporation / registration</b>

Nationality of beneficial owners along with shares percentage			
	Name	Nationality	Share Percentage
<b>1.</b>			
<b>2.</b>			
<b>3.</b>			
<b>4.</b>			
<b>5.</b>			
To be completed by all owners of partnerships or individually owned firms.			

## Details of Contracts of Similar Nature and Complexity

### Name of Bidder or partner of a Joint Venture

**Use a separate sheet for each contract.**

1.	Number of contracts	
	Name of contract	
	Country	
2.	Name of Procuring Agency	
3.	Procuring Agency address	
4.	Nature of Information Systems and special features relevant to the contract for which the Bidding Documents are issued (Narrative description of Project):	
5.	Contract role (check one) • Independent Bidder • Lead JV Partner                      • Sub-contractor      • Partner in a Joint Venture	
6.	Amount of the total contract / subcontract / partner share (in specified currencies at completion, or at date of award for current contracts) (Approx. value of the services provided by your firm under the contract (in Pak rupees))  Currency                                      Currency                                      Currency	
7.	Equivalent amount PKR Total contract: ____;                      Subcontract: _____;                      Partner share: _____;	
8.	Date of award / completion	
9.	Contract was completed _____ months ahead / behind original schedule (if behind, provide explanation).	
10.	Contract was completed PKR _____ equivalent under / over original Contract amount (if over, provide explanation).	
11.	Special contractual / technical requirements. Description of actual services provided by your staff within the assignment	
12.	Indicate the approximate percent of total contract value (and PKR amount) of Information System undertaken by subcontract, if any, and the nature of such Information System.	

**SECTION VIII : GENERAL CONDITIONS OF THE  
CONTRACT**

## General Conditions of The Contract (GCC)

### **Red Book:**

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The Conditions of Contract are the “General Conditions” which form part of the “Conditions of Contract for Construction for Building and Engineering Works Designed by the Employer (“Red book”) Second edition 2017” published by the Federation Internationalizes Ingenious – Conseils (FIDIC) and the following “Particular Conditions” which shall complement the General Conditions of the Contract.

An original copy of the above FIDIC publication i.e. “*Conditions of Contract for Building and Engineering Works Designed by the Employer*” must be obtained from FIDIC.

### **International Federation of Consulting Engineers (FIDIC)**

FIDIC Bookshop – Box- 311 – CH – 1215 Geneva 15 Switzerland

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Telephone: +41 22 799 49 01

E-mail: [fidic@fidic.org](mailto:fidic@fidic.org)

[www.fidic.org](http://www.fidic.org)

FIDIC Code: ISBN13: 978-2-88432-084-9

**SECTION IX: SPECIAL CONDITIONS OF THE  
CONTRACT (SCC)**

## Special Conditions of the Contract (SCC)

The Special Conditions of Contract (SCC) complement the General Conditions of Contract (GCC) to specify data and contractual requirements of the Procuring agency/Employer/ Employer, the engineer, the sector, the overall project, and the works. In the event of a conflict, the provisions herein shall prevail over those in the GCC.

### Part A – Contract Data

Contract data of the SCC, includes data to complement the GCC in a manner similar to the way in which the Bid Data Sheet complements the Instructions to Bidders.

SCC Clause Number	GCC Clause Number	Amendments of, and Supplements to, Clauses in the GCC
<b>General Provision (GCC 1)</b>		
1.	1.3	<b>For notices</b> Procuring agency/Employer/ Engineer’s Authorized representatives name and address:  Contractors Authorized representatives name and address:
2.	1.4	<b>Governing Law;</b> The Applicable Law shall be: Laws of the .....
.	1.4	<b>Communication Language:</b> The Communication Language shall be: .....
4.	1.5	<b>Documents forming the contract listed:</b> 1. 2. 3. 4.
<b>The Employer/ Procuring agency (GCC Clause 2)</b>		
5.	2.1	Time for access to the Site: days after Commencement Date
<b>The Engineer (GCC Clause 3)</b>		
6.	3.2	Engineer’s Duties and Authority: Variations resulting in an increase of the Accepted Contract Amount in excess of ____% shall require approval of the Procuring agency/Employer.
<b>The Contractor (GCC Clause 4)</b>		
7.	4.2	Performance guarantee/ security will be in the form of a ____ [ <i>insert acceptable form</i> ] in the amount of [ <i>insert % figures</i> ] as a percentage of the Contract Price, not exceeding the 10 % of the contract price.
8.	4.7.2(a)	<b>Clause 4.7 Setting out</b> Period for notification of errors in the items of reference “[ <i>state number of days, normally not less than 28 days</i> ]”

6.	4.22	<b>Contractor's Operations on site</b> Site <i>[Describe any other places as forming part of the Site]</i>
<b>Sub-Contracting (GCC Clause 5)</b>		
7.	5.1(a)	Maximum allowable accumulated value of work subcontracted (as a percentage of the Accepted Contract Amount)
8.	5.1 (b)	Works for which sub-contracting is not permitted. <i>[Insert works for which sub-contracting is not permitted ]</i>
<b>Staff and Labour (GCC Clause 6)</b>		
9.	6.5	Normal working hours <i>[specify]</i>
<b>Plant, Material and Workmanship (GCC Clause 7)</b>		
10.	7.2	Samples <i>[please specify if required]</i>
<b>Commencement, Delays and Suspension (GCC Clause 8)</b>		
11.	8.3	Number of additional paper copies of program <i>[specify]</i>
12.	8.8	Delay damages shall be payable for each day of delay shall be <i>[specify]</i> % of the Contract Price per day, in the currency and proportions in which the Contract Price is payable. Maximum amount of delay damages is <i>[specify]</i> % of the Contract Price <i>[The maximum amount of delay damages should not exceed 10% of the contract price]</i>
<b>Measurement and Valuation (GCC Clause 12)</b>		
13.	12.2	Method of measurement shall be <i>[insert method]</i>
14.	12.3	Percentage profit <i>[specify]</i>
<b>Variations and Adjustments (GCC Clause 13)</b>		
15.	13.4 (b)(ii)	Percentage rate to be applied to Provisional Sums for overhead charges and profit is _____ <i>[insert %]</i>
16.	13.7	Adjustments for Changes in Cost: The Contract Price . . . . <i>[insert either "shall be fixed" or "shall be adjustable"]</i> . . . . . during Contract Execution. <i>[The Procuring agency shall ensure consistency with Bid Data Sheet]</i>
<b>Contract Price and Payment (GCC Clause 14)</b>		
17.	14.2	Total advance payment shall be _____% Percentage of the Accepted Contract Amount payable in the currency and proportion of the contract. <i>[Insert number and timing of installments if applicable]</i>
18.	14.2.3	Repayment of Advance payment: <i>[insert percentage if applicabel]</i>
19.	14.3(iii)	Percentage of retention: _____ % <i>[Insert percentage of retention, normally 5% and not exceeding 10%]</i> Limit of Retention Money _____ % <i>[Insert percentage of retention, normally 5% and not exceeding 10%]</i>

6.	14.5(b)(i)	Plant and Materials: If Sub-Clause 14.5 applies: Plant and Materials for payment when shipped <i>[list]</i> .
7.	14.5(c)(i)	Plant and Materials: Plant and Materials for payment when delivered to the Site <i>[list]</i> .
8.	14.6.2	Withholding (amounts in) an IPC  % of the Accepted Contract Amount.
9.	14.7(a)	Period of payment of Advance Payment to the Contractor days <i>[insert number of days, normally 28 days]</i>
10.	14.7b(i)	Period for the Procuring agency to make interim payments to the Contractor under Sub-Clause 14.6 (interim Payment) days <i>[insert number of days, normally 30 days]</i>
11.	14.7b(ii)	Period for the Procuring agency to make interim payments to the Contractor under Sub-Clause 14.13 (Final Payment) days <i>[insert number of days, normally 60 days]</i>
12.	14.7(c)	Period for the Procuring agency to make final payment to the Contractor days <i>[insert number of days, normally 56 days]</i>
13.	14.8	financing charges for delayed payment (percentage points above the average bank short-term lending rate as referred to under sub-paragraph (a)) %
14.	14.11.1(b)	Number of additional paper copies of draft Final Statement
15.	14.15	<b>Currencies of Payment</b> The Contract Price shall be paid in the currency or currencies named in the Contract Data. If more than one currency is so named, payments shall be made as follows: (a) if the Accepted Contract Amount was expressed in Local Currency only or in Foreign Currency only.
16.	14.15 (a)(i)	The proportions or amounts of the Local and Foreign Currencies, and the fixed rates of exchange to be used for calculating the payments, shall be as stated in the Contract Data, except as otherwise agreed by both parties.
17.	14.15 (c)	Payment of Delay Damages shall be made in the currencies and proportions specified in the Contract Data.
18.	14.15 (f)	If no rates of exchange are stated in the Contract Data, they shall be those prevailing on the Base Date and published by the central bank of the Country.
19.	17.2 (d)	<b>Liability for Care of the Works</b> Any operation of the forces of nature (other than those allocated to the Contractor in the Contract Data) which is Unforeseeable or against which an experienced contractor could not reasonably have been expected to have taken adequate preventative precautions.

<b>Insurance (GCC Clause 19)</b>		
<b>9.</b>	<b>19.1</b>	Permitted deductible limits insurance required for the Works: _____ insurance required for Goods: _____ insurance required for liability for breach of professional duty: _____ insurance required against liability for fitness for purpose (if any is required): _____ insurance required for injury to persons and damage to property: _____ insurance required for injury to employees: ____ other insurances required by Laws and by local practice:
<b>10.</b>	<b>19.2.1(b)</b>	Additional amount to be insured (as a percentage of the replacement value, if less or more than 15%) _____ %
<b>11.</b>	<b>19.2.1(iv)</b>	List of Exceptional Risks which shall not be excluded from the insurance cover for the Works
<b>12.</b>	<b>19.2.2</b>	Extent of insurance required for Goods Amount of insurance required for Goods
<b>13.</b>	<b>19.2.3(a)</b>	amount of insurance required for liability for breach of professional duty
<b>14.</b>	<b>19.2.3(b)</b>	Insurance required against liability for fitness for purpose Yes/No [ <i>delete as appropriate</i> ]
<b>15.</b>	<b>19.2.3</b>	Period of insurance required for liability for breach of professional duty
<b>16.</b>	<b>19.2.4</b>	Amount of insurance required for injury to persons and damage to property
<b>17.</b>	<b>19.2.6</b>	<b>Insurance</b> <b><u>Other insurances required by Laws and by local practice</u></b> The contractor shall provide all other insurances required by the Laws of the countries where (any part of) the Works are being carried out, at the Contractor's own cost. Other insurances required by local practice (if any) shall be detailed in the Contract Data and the Contractor shall provide such insurances in compliance with the details given, at the Contractor's own cost.
<b>Dispute Avoidance/ Adjudication Board (GCC Clause 21)</b>		
<b>18.</b>	<b>21.1</b>	Time for appointment of DAAB [ <i>specify</i> ]
<b>19.</b>	<b>21.1</b>	The DAAB shall comprise [ <i>specify</i> ] members
<b>20.</b>	<b>21.1</b>	List of proposed members of DAAB - Proposed by Employer/ Procuring agency 1. .... 2. .... 3. .... - Proposed by Contractor 1. .... 2. .... 3. ....
<b>21.</b>	<b>21.2</b>	Appointing entity (official) for DAAB members

## **Part-B Special Provisions**

The Procuring agency shall be required to draft the special provisions (particular conditions Part-B) by referring the concerned clauses as stipulated in the General Conditions of the Contract. These provisions should be drafted by keeping following guidelines in consideration:

- i. Particular conditions must be drafted clearly and without any ambiguity;
- ii. Party's duties, rights, obligations, roles and responsibilities shall be clearly described in line with General Conditions of the Contract, requirements as specified in the bidding document;
- iii. While drafting special provisions realistic timelines must be provided for completion of the project / assignment;
- iv. All disputes must be settled either through arbitration act 1940 or through International Chamber of Commerce.

***Note:* Special Provisions shall always over rule and supersede the respective provisions of General Conditions of the Contract. In order to conveniently trace the respective clause, reference of the concerned GCC clause must be provided.**

**Table: Summary of Sections (if any)**

<b>Description of parts of the Works that shall be designated a Section for the purposes of the Contract (Sub-Clause 1.1.73)</b>	<b>Value: Percentage<sup>6</sup> of Accepted Contract Amount (Sub-Clause 14.9)</b>	<b>Time for Completion (Sub-Clause 1.1.84)</b>	<b>Delay Damages (Sub-Clause 8.8)</b>

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<sup>6</sup> These percentages shall also be applied to each half of the Retention Money under Sub-Clause 14.9

## **SECTION X: CONTRACT FORMS**

# NOTIFICATION OF AWARD

(On Procuring Agency letter head)

Letter of Acceptance

[Date]. . . . .

To: . . . . .[Name and address of the contractor]

Subject: . . . . .[Notification of Award Contract No.]

This is to notify you that your Bid dated . . . . .[date]. . . . . for execution of the . . . . .[name of the contract and identification number, as given in the Bid Data Sheet] . . . . . for the Accepted Contract Amount of the equivalent of . . . . . [amount in words and figures and name of currency]. . . . ., as corrected and modified in accordance with the Instructions to Bidders, is hereby accepted by our Agency.

You are requested to furnish the Performance Security within 28 days in accordance with the Conditions of Contract, using for that purpose the Performance Security Form included in Section 9 (Contract Forms) of the Bidding Document.

Authorized Signature: .....

Name and Title of Signatory: .....

Name of Agency: .....

Attachment: Contract Agreement

# FORM OF CONTRACT

THIS AGREEMENT made the \_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_ between *[name and address of Procuring agency/Employer]* of Pakistan (hereinafter called “the Procuring agency/Employer”) of the one part and *[name of Contractor]* of *[city and country of Contractor]* (hereinafter called “the”) of Contractor other part:

WHEREAS the Procuring agency desired that the works *[brief description of works]* should be executed by the contractor, and has accepted a Bid by the contractor for the execution and completion of these works and remedying of any defects therein, in the sum of *[contract price in words and figures]* (hereinafter called “the Contract Price”).

## NOW THIS CONTRACT WITNESSETH AS FOLLOWS:

1. In this Contract 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 Contract, In the event of any ambiguity or conflict between the Contract Documents listed below, the order of precedence shall be the order in which the Contract Documents are listed below:-

- (a) This form of Contract;
- (b) Letter of Acceptance;
- (c) the Form of Bid and the Price Schedule submitted by the Bidder;
- (d) the Works Requirements;
- (e) the Technical Specifications;
- (f) the Drawings;
- (g) the General Conditions of the Contract
- (h) the Special Conditions of Contract,
- (i) the completed schedule including Bill of Quantities; and
- (j) *[add here: any other documents]*

3. In consideration of the payments to be made by the Procuring agency to the contractor as mentioned in this contract, the contractor hereby covenants with Procuring agency to execute the works to remedy defects therein in conformity in all respects with the provisions of the Contract.

4. The Procuring agency hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects there in, 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 Contract to be executed in accordance with their respective laws the day and year first above written.

<p>Signed, sealed, delivered by  _____ the  _____  (for the Procuring agency)</p>	<p>Signed, sealed, delivered by  _____ the  _____  (for the Contractor)</p>
<p>Witness to the signatures  of the Procuring agency  .....</p>	<p>Witness to the signatures  of the Contractor  .....</p>

## PERFORMANCE GUARANTEE FORM

To: *[name of Procuring agency]*

WHEREAS *[name of Contractor]* (hereinafter called “the contractor”) has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated *[insert date]* for the execution of *[insert name of the works and its brief description]* (hereinafter called “the Contract”).

AND WHEREAS it has been stipulated by you in the said Contract that the contractor shall furnish you with a Bank Guarantee by a reputable 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 Guarantors 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 within the limits of *[amount of guarantee]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the: *[insert date]*

Signature and seal of the Guarantors

---

*[name of bank or financial institution]*

---

*[address]*

---

*[date]*

# ADVANCE PAYMENT SECURITY

## DEMAND GUARANTEE

Beneficiary: \_\_\_\_\_

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

ADVANCE PAYMENT GUARANTEE No.: \_\_\_\_\_

Guarantor: \_\_\_\_\_

We have been informed that [Inset name of the Contractor] (hereinafter called "the Contractor") has entered into Contract No. \_\_\_\_\_ dated \_\_\_\_\_ with the [insert name of the Procuring agency/Employer] (hereinafter called "the Procuring agency") for the execution of \_\_\_\_\_ (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum \_\_\_\_\_ (\_\_\_\_\_) is to be made against an advance payment guarantee.

At the request of the Contractor, we as Guarantor, hereby irrevocably undertake to pay the Procuring agency any sum or sums not exceeding in total an amount of \_\_\_\_\_ upon receipt by us of the Procuring agency/Employer's complying demand supported by the Procuring agency/Employer's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating either that the Applicant:

(a) has used the advance payment for purposes other than the costs of mobilization in respect of the Works; or

(b) has failed to repay the advance payment in accordance with the Contract conditions, specifying the amount which the Contractor has failed to repay.

A demand under this guarantee may be presented as from the presentation to the Guarantor of a certificate from the Procuring agency/Employer's bank stating that the advance payment referred to above has been credited to the Contractor on its account number \_\_\_\_\_ at \_\_\_\_\_.

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Contractor as specified in copies of interim statements or payment certificates which shall be presented to us.

The Guarantee shall remain valid up to the aforesaid date and shall be null and void after the aforesaid date or earlier if the advance made to the Contractor is fully adjusted against payments from Interim Payment Certificates of the Contractor provided that the Guarantor agrees that the aforesaid period of validity shall be deemed to be extended if on the above mentioned date the advance payment is not fully adjusted.

\_\_\_\_\_  
*[signature(s)]*

*Note: All italicized text is for use in preparing this form and shall be deleted from the final product.*

# RETENTION MONEY SECURITY DEMAND GUARANTEE

\_\_\_\_\_ *[Guarantor letterhead or SWIFT identifier code]*

**Beneficiary:** \_\_\_\_\_ *[Insert name and Address of Procuring agency]*

**Date:** \_\_\_\_\_ *[Insert date of issue]*

**RETENTION MONEY GUARANTEE No.:** \_\_\_\_\_ *[Insert guarantee reference number]*

**Guarantor:** *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that \_\_\_\_\_ *[insert name of Contractor, which in the case of a joint venture shall be the name of the joint venture]* (hereinafter called "the Contractor") has entered into Contract No. \_\_\_\_\_ *[insert reference number of the contract]* dated \_\_\_\_\_ with the Procuring agency/Employer, for the execution of \_\_\_\_\_ *[insert name of contract and brief description of Works]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, the Procuring agency retains moneys up to the limit set forth in the Contract ("the Retention Money"), and that when the Taking-Over Certificate has been issued under the Contract and the first half of the Retention Money has been certified for payment, payment of *[insert the second half of the Retention Money or if the amount guaranteed under the Performance Guarantee when the Taking-Over Certificate is issued is less than half of the Retention Money, the difference between half of the Retention Money and the amount guaranteed under the Performance Security and, if required, the ES Performance Security]* is to be made against a Retention Money guarantee.

At the request of the Applicant, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of \_\_\_\_\_ *[insert amount in figures]* (\_\_\_\_\_) *[amount in words]* upon receipt by us of the Procuring agency/Employer's complying demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating that the Applicant is in breach of its obligation(s) under the Contract, without your needing to prove or show grounds for your demand or the sum specified therein.

A demand under this guarantee may be presented as from the presentation to the Guarantor of a certificate from the Procuring agency/Employer's bank stating that the second half of the Retention Money as referred to above has been credited to the contractor on its account number \_\_\_\_\_ at \_\_\_\_\_ *[insert name and address of Contractor's bank]*.

This guarantee shall expire no later than the .... day of ....., 2..., and any demand for payment under it must be received by us at the office indicated above on or before that date.

\_\_\_\_\_  
*[signature(s)]*

**Note:** *All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.*

# INTEGRITY PACT

## DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACTS WORTH RS.10.00 MILLION OR MORE

Contract Number: \_\_\_\_\_  
Contract Value: \_\_\_\_\_  
Contract Title: \_\_\_\_\_

Dated: \_\_\_\_\_

[Name of Contractor] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoP) through any corrupt business practice.

Without limiting the generality of the foregoing [Name of Contractor] represents and warrants that it has fully declared the brokerage, commission, fee etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultations fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[Name of Contractor] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representative or warranty.

[Name of Contractor] accepts full responsibility and strict liability for making and false declaration, not making full disclosure, misrepresenting fact or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [Name of Contractor] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by [Name of Contractor] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

\_\_\_\_\_  
[Procuring agency]

\_\_\_\_\_  
[Contractor]

**PAKISTAN COUNCIL OF SCIENTIFIC & INDUSTRIAL  
RESEARCH LABORATORIES COMPLEX, KARACHI**



**BILL OF QUANTITY**

**E.M.R.C. FURNACE BLOCKS AT PCSIR  
LABORATORIES COMPLEX, KARACHI**

# BILL OF QUANTITY

## E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI

### SUMMARY

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Sr. No.	Description	Amount (Rs.)
A)	CIVIL WORK SCHEDULE ITEMS	
B)	CIVIL WORK NON-SCHEDULE ITEMS	
C)	ELECTRICAL SCHEDULE ITEMS	
D)	ELECTRICAL NON-SCHEDULE ITEMS	
E)	PLUMBING WORK SCHEDULE ITEMS	
	<b>TOTAL RS.</b>	
F)	<b>S.R.B. 5%</b>	
	<b>GRAND TOTAL RS.</b>	
	<b>RS. IN MILLION =</b>	

**E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI**

**Engineering Estimate as Per PAK. PWD Schedule of Rates 2022**

	<b>S.#.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
<b>PWD</b>		<b>CIVIL WORK SCHEDULE ITEMS</b>				
	<b>A)</b>	<b>CIVIL WORK SCHEDULE ITEMS</b>				
34-1	<b>1</b>	<b>Site Clearance</b>				
		Clearing jungle (ordinary) by cutting, removing all shrubs, trees, upto 6 inches (152 mm) girth, etc. and taking out their entire roots and filling the hollows with earth complete with dressing, consolidating and watering the filling including stacking the serviceable materials and disposal of useless material as directed, lead to 10 chains (305 Rm), cost of earth included	1564.00	100 Sft	25.23	394.60
34-02	<b>2</b>	<b>Jungle Cutting</b>				
		Clearing jungle (dense) by cutting, removing all shrubs, trees, upto 6 inches (152 mm) girth, etc. and taking out their entire roots and filling the hollows with earth complete with dressing, consolidating and watering the filling including stacking the serviceable materials and disposal of useless materials as directed, lead upto 10 chains (305 Rm), cost of earth included.	1564.00	100 Sft	249.18	3,897.18
103-1	<b>3</b>	<b>Excavation</b>				
		Excavation for foundation trenches and drains in all kinds of soil (except gravelly and murum soil, wet silt, clay or mud conglomeration of gravel and boulders, soft, sandy or disintegrated sandy and hard rock) and back filling the excavated material in foundation, plinth or under floor including breaking clods, watering, consolidation by ramming in layers not exceeding 9 inches (229 mm) in depth to full compaction, dressing and disposal of surplus excavated stuff as directed, lead upto one chain (30.5 R.m) and lift upto 5 feet (1.52 m).	1476.00	100 Cft	1624.63	23979.54
52-13	<b>4</b>	<b>1:4:8 Lean</b>				
		Providing and laying 1:4:8 (1 cement 4 sand and 8 coarse aggregate) cement concrete using graded stone ballast 2 inches (51 mm) and down gauge in foundation including levelling, compacting and curing etc. complete.	203.89	100-Cft	21744.25	44,334.79

**E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI**

**Engineering Estimate as Per PAK. PWD Schedule of Rates 2022**

	<b>S.#.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
	<b>5</b>	<b>R.C.C. Column Footing</b>				
173-01 + 134+137		Providing and laying reinforced cement concrete using screened graded bajri 3/4 inch (19 mm) and down gauge having a minimum works cube crushing strength of 3750 lbs. per sq. inch 23.24 N/mm <sup>2</sup> at 28 days with a mix not leaner than 1:1-1/2:3 in column footing of required shape including form work and its removal, compacting and curing etc. complete but excluding the cost of reinforcement, in foundation basement and plinth.	216.00	100 Cft	41826.91	90,346.13
	<b>6</b>	<b>Col. Upto Plinth</b>				
173-4 + 134+137		Providing and laying reinforced cement concrete using screened graded bajri 3/4 inch (19 mm) and down gauge having a minimum works cube crushing strength of 3750 lbs. per sq. inch (23.24 N/mm <sup>2</sup> ) at 28 days with a mix not leaner than 1:1-1/2:3 in columns of square or rectangular shape of regular section including form work and its removal, compacting and curing etc. but excluding the cost of reinforcement, in foundation basement and plinth.	63.00	100 Cft	45648.79	28,758.74
	<b>7</b>	<b>Column (G.F.)</b>				
176-24+ 134+137		Providing and laying reinforced cement concrete using screened graded bajri 3/4 inch (19 mm) and down gauge having a minimum works cube crushing strength of 3750 lbs. per sq. inch (23.24 N/mm <sup>2</sup> ) at 28 days with a mix not leaner than 1:1-1/2:3 in columns of square or rectangular shape of regular section including form work and its removal, compacting and curing etc. but excluding the cost of reinforcement, in the ground floor.	144.00	100 Cft	56426.81	81,254.61
106-05	<b>8</b>	<b>1:2:4 Situ C.C.</b>				
		Providing and laying in situ 1:2:4 (1 cement 2 sand and 4 coarse aggregate) cement concrete using screened graded bajri 3/4 inch (19 mm) and down gauge in foundation, basement and plinth including form work, compacting, curing and removal of form work etc. complete, foundation and basement up to 5 feet depth (1.52 m) and plinth up to 4 feet (1.2 m) height from ground level .	225.45	100 Cft	38612.20	87,049.66

**E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI**

**Engineering Estimate as Per PAK. PWD Schedule of Rates 2022**

	<b>S.#.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
	<b>9</b>	<b>Plinth Beam</b>				
174-8 + 136		Providing and laying reinforced cement concrete using screened graded bajri 3/4 inch (19 mm) and down gauge having a minimum works cube crushing strength of 3000 lbs. per sq. inch (20.69 N/mm <sup>2</sup> ) at 28 days with a mix not leaner than 1:2:4 in plinth beams of required shape and design including form work and its removal, compacting and curing etc. but excluding the cost of reinforcement, tn foundation basement and plinth.	187.09	100 Cft	40364.92	75,520.14
80-03	<b>10</b>	<b>2" thick D.P.C.</b>				
		Providing and laying 2 inches (51 mm) thick damp proof course with cement concrete 1:2:4 cast in situ using graded screened bajri of 3/4 inch (19 mm) and down gauge mixed with any approved water proofing agent including compacting, curing form work and its removal etc. complete, but excluding the cost of water proofing agent.	506.25	100 Sft	5555.26	28,123.67
81-12	<b>11</b>	<b>Bitumen Coating</b>				
		Providing a coat of bitumen emulsion at 10 Lbs. per % sft. (0.49 Kg/sm) on walls and floor in ground floor.	1658.41	100 Sft	1010.75	16,762.42
48-8	<b>12</b>	<b>Earth Filling</b>				
		Supplying earth from approved outside sources within a radius of 5 miles (8 km) including digging, loading and unloading and filling in foundation trenches, plinth or under floor, etc. including breaking clods, dressing, watering and consolidation by ramming in layers not exceeding 9 inches (229 mm) in depth to full compaction complete within a ;lead of one chain (30.5 R.m) and lift of 5 feet (1.52 m).	1847.95	100 Cft	3254.05	60,133.28
52-12	<b>13</b>	<b>1:4:8 Under Floor</b>				
		Providing and laying 1:4:8 (1 cement 4 sand and 8 coarse aggregate) cement concrete using graded stone ballast 1 inches (25 mm) and down gauge in foundation including levelling, compacting and curing etc. complete.	583.85	100 Cft	22137.65	129,250.23
52-14	<b>14</b>	<b>1:4:8 Under Floor</b>				
		Providing and laying 1:4:8 (1 cement 4 sand and 8 coarse aggregate) cement concrete using graded gavel (bajri) 1 inch (25 mm) and down gauge in foundation including levelling, compacting and curing etc. complete	191.81	100 Cft	23504.59	45,083.68

**E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI**

**Engineering Estimate as Per PAK. PWD Schedule of Rates 2022**

	<b>S.#.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
232-06	<b>15</b>	<b>2" thick C.C. Floor</b>				
		Providing and laying floors of 2 inches (51 mm) thick 1:2:4 cement concrete using graded screened bajri 3/4 inch (19 mm) and down gauge in ground floor laid in with or without panels including form work, consolidation, finishing, and curing etc. complete	312.00	100 Sft	6879.77	21,464.88
596-1	<b>16</b>	<b>R.C.C. Plat Form</b>				
		Providing platforms 4 feet x 4 feet (1.22 m x 1.22 m) inside in 1-1/2 inches thick fine cement concrete over 4 inches (100 mm) thick cement concrete 1:2:4, kerb in cement concrete 1:2:4 and 1/2 inch (13 mm) thick cement plaster 1:3 cement mortar all over and to walls upto a height of 2 feet-6 inches (765 mm) if near a wall.	4.00	Each	5,784.00	23,136.00
	<b>17</b>	<b>Slab upto 6"</b>				
182-57 +189-93 + 195-136		Providing and laying reinforced cement concrete using screened graded bajri 3/4 inch (19 mm) and down gauge having a minimum works cube crushing strength of 3000 lbs. per sq. inch (20.69 N/mm <sup>2</sup> ) at 28 days with a mix not leaner than 1:2:4 in ordinary slab more than 6 inches (152 mm) thick including form work and its removal compacting and curing etc. complete but excluding the cost of reinforcement, in basement plinth and ground floor.	981.00	100 Cft	45926.88	450,542.69
	<b>18</b>	<b>Roof Beam</b>				
179-38+ 195-136		Providing and laying reinforced cement concrete using screened graded bajri 3/4 inch (19 mm) and down gauge having a minimum works cube crushing strength of 3000 lbs. per sq. inch (20.69 N/mm <sup>2</sup> ) at 28 days with a mix not leaner than 1:2:4 in straight beams, lintels cantilever beams of required shape or section including form work and its removal, compacting and curing etc. complete but excluding the cost of reinforcement, in basement and ground floor.	74.37	100 Cft	47322.54	35,194.01

**E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI**

**Engineering Estimate as Per PAK. PWD Schedule of Rates 2022**

	<b>S.#.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
108-4	<b>19</b>	<b>Block Masonry</b>				
		Providing and laying 1:2:4 cement concrete solid block masonry more than 6 inches (152 mm) thick using graded screened bajri 3/4 inch (19 mm) and down gauge set in lime cement mortar 1:1:6 in foundation, basement and plinth including scaffolding, raking out joints and curing etc. complete; foundation and basement masonry upto 5 feet (1.52 Ru.m) depth and plinth upto 4 feet (1.2 Ru.m.) height from ground level.	997.00	100 Cft	32395.58	322,983.93
	<b>20</b>	<b>1/2" thck Plaster (Internal)</b>				
376-4		1/2" (13 mm) thick cement plaster 1:4 on walls and columns etc. in basement, plinth, mezzanine and ground floor including making edges, corners, and curing etc., complete.	2368.00	100 Sft	4381.84	103,761.97
122-10	<b>21</b>	<b>3/4" thick External Plaster</b>				
		3/4" (19 mm) thick cement plaster 1:6 on walls and columns etc. in basement, plinth, mezzanine and ground floor including making edges, corners, and curing etc., complete.	1878.00	100 Sft	4815.28	90,430.96
376-02	<b>22</b>	<b>1/4" (6.4 mm) thick cement plaster</b> 1:4 on soffits of ceiling, cantilever slabs, sides and soffits of beams etc., in basement, mezzanine and ground floor including making edges, corners and curing etc., complete.	864.00	100 Sft	3852.59	33,286.38

**E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI**

**Engineering Estimate as Per PAK. PWD Schedule of Rates 2022**

	<b>S.#.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
289-44	<b>23</b>	<b>G.I. Door Frame</b>				
		Providing and fixing M.S. moulded steel door frames of 5.73" x 2-1/2" (146 mm x 63 mm) manufactured from mild steel sheet of 18 gauge (1.41 mm) conforming to B.S.S. 1245 having a double rebate size 1-1/2" x 1/2" (38 mm x 12 mm) provision of 3 Nos. M.S. plate, section 1-1/2" x 1/4" (38 mm x 6 mm) (2 Nos. 6 inch long welded with frame at not less than 10 points and 1 Nos. 12 inch long welded with frame at not less than 20 points), with holes and threads for fixing steel hinges, fitted with one locking box of same sheet (point welded inside the frame), 6 Nos. 6 inches long flat iron fixing lugs of 1-1/4" x 3/16" section, treated with special red oxide primer coat all around including cutting holes and filling the cavity with cement concrete 1:2:4 etc. in any floor at any height complete as directed by the Engineer-in-Charge.	51.60	Rft	469.80	24,241.68
314-33	<b>24</b>	<b>FLUSH DOOR SHUTTER</b>				
		Providing and fixing 2 inches (51 mm) thick best quality imported teak wood shutters fully glazed with 1/4 inch (6.4 mm) thick plate glass of approved quality and approved brass hinges tower bolts, teak wood beading and putty packing to glasses as equired .	66.50	Sft	2784.04	185,138.66
356-52	<b>25</b>	<b>Room Door Lock</b>				
		Providing and fixing with C.P. brass screws main door handle type yale lock (Italy make) of approved design, cutting wood etc., to required size, with two operating keys, as per direction of the engineer-in-Charge.	2.00	Each	15899.38	31,798.76
357-62	<b>26</b>	<b>Bath Door Lock</b>				
		Providing and fixing with brass screws carona bath latch lock of approved design and colour (No. 25011), (Japan make), cutting wood to required shape and size with two operating keys as per direction of the Engineer-in-Charge.	1.00	Each	4024.38	4,024.38

**E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI**

**Engineering Estimate as Per PAK. PWD Schedule of Rates 2022**

	<b>S.#.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
285-13	<b>27</b>	<b>Steel Gate</b>				
		Providing and fixing M.S. Sheet shutters with angle iron frame and diagonal braces, gunmetal roller and pulleys, angle iron top guides fixed to T-iron brackets painted with two coats of red oxide paint and Tiron bottom track fixed in C.C. 1:2:4 with rag bolts including locking arrangement and handles etc. complete as per instruction of the Engineer-in-Charge.	532.00	Kg	343.54	182,763.28
	<b>28</b>	<b>Distemper</b>				
389-151		Distemping with vinyl distemper (ICI) Dulux Paintex of approved make and shade in two coats over and including the cost of wall putti, sand papering, dusting, and filling the holes, cracks and inequalities, if any, at any height in any floor.	981.00	100 Sft	3401.25	33366.26
390-172	<b>29</b>	<b>Weather Shield</b>				
		Painting three coats with weather shield paint deluxe (ICI) make of approved shade on plaster surface (External) and including the cost of cleaning the surface, sand papering etc. complete at any height in any floor.	1878.00	100 Sft	4408.75	82,796.33
122-162	<b>30</b>	<b>Plastic Emulsion Paint</b>				
		Painting with (ICI) Dulux Plastic Emulsion Paint VIP of approved shade two coats over and including the cost of wall putti / priming coat complete over plastered surface at any height in any floor.	2106.00	100 Sft	6737.38	141,889.22
391-175	<b>31</b>	<b>Oil Paint on Wood work</b>				
		Painting on wood work with Synthetic enamel paint of approved make and shade by spray machine two coats over and including the cost of one priming coat complete at any height in any floor.	154.00	100 Sft	6852.95	10,553.54
391- 174	<b>32</b>	<b>Oil Paint on Iron work</b>				
		Painting on iron work with Synthetic enamel paint of approved make and shade by spray machine two coats over and including the cost of one priming coat complete at any height in any floor.	700.00	100 Sft	8046.88	56,328.16

**E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI**

**Engineering Estimate as Per PAK. PWD Schedule of Rates 2022**

	<b>S.#.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
256-183	<b>33</b>	<b>Porcelain Tile</b>				
		Providing and laying light colour, glazed/non skid vitrified Porcelain tiles (Polished) exceeding 1600 Sqcm and upto 3600 Sqcm each, (Pak made) on walls and floors, in any floor, laid with dry bond (stile bond) over existing floor including jointing to tiles with joint filler of approved quality as per direction of the Engineer incharge.	176.02	100 Sft	38397.09	67,585.02
242-82	<b>34</b>	<b>Glazed Tile</b>				
		Providing and laying floor of 6mm (approx: 1/4") thick coloured glazed tiles 12" x 12" (304mm x 304mm) of master make (Pakistani) first grade in ground floor laid over 1" (25mm) thick cement mortar 1:2 (1 cement and 2 sand) including jointing and washing the tiles with white cement slurry a matching colour (by using pigment in white cement) and curing etc. complete.	156.00	100 Sft	30212.40	47,131.34
300-94	<b>35</b>	<b>Aluminum Windows</b>				
		Providing and fixing fully glazed Bronz anodized or powder coated aluminium Sliding windows as per British standard manufactured by Lucky, Prime, Chawla, Krudson and Pakistan Cables. (fixing through their approved fabricators) prime model box section 101mm x 30mm and 1.6mm thick including the cost of aluminium netting ,fittings, with all accessories cutting hole etc. and making good damages to walls etc. complete as required in any floor as per direction of engineer-in-charge, but excluding the cost of glass pans.	126.00	Sft	1204.69	151,790.94
307-121	<b>36</b>	<b>5 mm thick tinted Glass</b>				
		Providing and fixing Tinted glass panes 5mm thick to M.S. Box pipe / Aluminium door, windows and ventilators including the cost of labour but excluding the cost of M.S. square pipe beading, rubber packing and screw in any floor at any height.	126.00	Sft	371.82	46,849.32
287-32	<b>37</b>	<b>Iron Grill</b>				
		Providing and fixing window iron grills with required section of angle iron and M.S square bar as per approved design including welding all sides of the section at the junction, and fixing with sunk iron screws, painting two coats of red oxide paint etc. complete as required in any floor in masonry or concrete work.	183.75	Kg	290.89	53,451.04

**E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI**

**Engineering Estimate as Per PAK. PWD Schedule of Rates 2022**

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557-9	<b>38</b>	<b>Bath Room Accessories</b>				
		Providing and fixing bath room accessories of set of 6 pieces consist of one shelf, one towel rod with bracket, one towel ring, one soap dish, one tooth Brush holder with glass, one tissue paper holder one double hook etc complete of approved quality as per direction of Engineer in-charge.	1.00	Each	11812.50	11,812.50
	<b>39</b>	<b>Roof Screding C.C. Floor</b>				
234-30 + 242-79		Providing and laying floor of 3 inches (76 mm) thick 1:2:4 reinforced cement concrete using graded screened bajri 3/4" (19 mm) and down gauge in ground floor including form work, consolidation, finishing and curing etc. complete but excluding the cost of reinforcement.	981.00	100 Sft	11685.46	114,634.36
	<b>40</b>	<b>Marble Floor for Water Proofing</b>				
234-33 + 242-80		Providing and laying floor of 3/4 inch (19 mm) thick marble tiles upto 36 Sq. inch (232 sq.cm) size fine dressed on the surface without windings in ground floor and laid over 1 inch (25 mm) thick lime mortar 1:2 (one lime, two sand) setting the tiles with grey cement slurry over lime mortar, jointing & washing the tiles with white cement slurry including curing, rubbing and polishing etc. complete, including the cost of mortar.	981.00	100 Cft	26959.75	264,475.15
415-65	<b>41</b>	<b>Rain Water Spout</b>				
		Providing and fixing 4" (100 mm) dia polyvinyle chloride rain water (PVC) down pipe with mild steel clamps, bolts and nuts fixed in cement concrete 1;2:4 etc. complete.	112.00	Rft	718.67	80,491.04
218-01	<b>42</b>	<b>Providing and fixing 18 B.W.G. corrugated galvanized iron sheets with galvanized iron hooks, bolts, nuts, limpets and bitumen washers etc. without valleys and ridges (excluding the cost of frame work) in ground floor.</b>	345.00	100Sft	53259.39	183,744.90

**E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI**

**Engineering Estimate as Per PAK. PWD Schedule of Rates 2022**

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197-166	<b>43</b>	<b>Steel</b>				
		Providing and laying hard grade ribbed deformed (minimum yield point 60,000 psi) reinforcement bars with & including the cost of straightening, cutting, bending, binding, wastage, and such overlaps as are not shown in the drawings, placing in position on cement concrete 1:2:4 precast or m.s. chairs, tying with binding wire, cost of chairs and wires etc. in all kinds of RCC work in foundation, basement, plinth and ground floor of building including septic tanks and under ground tanks and in projections for future extension.	3915.80	Kg.	282.45	1,106,018.52
49-13	<b>44</b>	<b>Garra</b> Supplying stacking spreading soil aggregate (Ghara/ Pit Pan Gravel) and sand (a mixture of natured and crushed stone) as approved by Engineer In-charge i/c watering consolidation, compaction to required density with power roller i/c all lead and lift (actual Compacted depth shall be considered for payment.	864.00	100 Cft	5,736.25	49,561.20
		<b>Total Civil Schedule Items</b>			<b>Rs.</b>	<b>4,726,135.08</b>
		Above / below _____ %			Rs.	
		<b>G. Total Civil Schedule Items</b>			<b>Rs.</b>	

**E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI**

**Engineering Estimate as Per PAK. PWD Schedule of Rates 2022**

	<b>S.#.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
		<b>Non Schedule Items (Civil)</b>				
<b>N.S.</b>	<b>1</b>	<b>Roof Mounted Overhead Travelling Crane</b> Providing, fabrication, supply, erection, testing and commissioning of Roof Mounted Overhead Travelling Crane (EOT) of upto ~ 1.0 ~ 1.5 Ton Safe Working Load, Span 8.00 meter and Lift 3.5 ~ 4.00 meter, complete in all respects as per Engineer's direction, including Fabricated structural steel girders, end carriages with machining and alignment, 1.0 ~ 1.5 Ton electric wire-rope hoist with motorized trolley, geared motor, limit switches, brakes and overload protection, Rails, fasteners, end stops, rail clamps, welding and grouting, Electrical control panel with MCCB, contactors, pendant push-button control and wiring, Surface preparation and painting with one coat red oxide primer and two coats enamel paint, Complete erection, alignment, load testing and commissioning with test certificates.	1.00	Each		
		<b>Total Non Scheduel (Civil)</b>			<b>Total Rs.</b>	

**E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI**

**Engineering Estimate as Per PAK. PWD Schedule of Rates 2022**

	<b>S.#.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
		<b>Electrical</b>				
2-3-01	<b>1</b>	<b>Wiring (3/.029)</b> Wiring for <b>light or fan point</b> with (3/.029") PVC insulated wire in 20 mm <sup>2</sup> , (3/4") dia uPVC conduit recessed in the wall, column, roof , including 1mm <sup>2</sup> single core PVC insulated wire as ECC as required.	34.00	Nos	2836	96,424.00
2-3-04	<b>2</b>	Wiring for <b>plug point</b> with (3/.029") PVC insulated wire in 20 mm (3/4")dia uPVC conduit recessed in the wall, column, roof , including 1mm <sup>2</sup> , single core PVC insulated wire as ECC as required.	5.00	Nos	1545	7,725.00
2-11-04	<b>3</b>	<b>Wiring 1.5 mm</b> Wiring for plug point with 1.5 mm <sup>2</sup> single core, PVC insulated wire copper conductor wire in 20 mm (3/4")dia uPVC conduit recessed in the wall or column, roof etc. including 1mm <sup>2</sup> single core PVC insulated wire as ECC as required.	8.00	Nos	1740	13,920.00
2-64-01	<b>4</b>	<b>SP Piano switch</b> Providing & fixing flush type, 6 Amps, SP Piano switch fixed on Plastic or Fiber top covered sheet on (14 SWG) metal board with earth terminal recessed in wall and column including, connection as required.	48.00	Points	340.00	16,320.00
2-64-03	<b>5</b>	<b>2-pin Piano switch</b> Providing & fixing flush type, 6 Amps, 2-pin Piano switch fixed on Plastic or Fiber top covered sheet on (14 SWG) metal board with earth terminal recessed in wall and column including, connection as required.	4.00	Nos	340	1,360.00
2-64-05	<b>6</b>	<b>Piano fan dimmer</b> Providing & fixing flush type, 6 Amps, Piano fan dimmer fixed on Plastic or Fiber top covered sheet on (14 SWG) metal board with earth terminal recessed in wall and column including, connection as required.	4.00	Nos	449	1,796.00
2-64-09	<b>7</b>	<b>3-Pin socket</b> Providing & fixing flush type, 6/10 Amps 3-Pin socket and double switches combine unit (Universal) fixed on Plastic or Fiber top covered sheet on (14 SWG) metal board with earth terminal recessed in wall and column including, connection as required.	4.00	Nos	872	3,488.00

**E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI**

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	<b>S.#.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
2-64-12	<b>8</b>	<b><u>3-Pin switch and socket</u></b> Providing & fixing flush type, 15 Amps, Porcelain base , 3-Pin switch and socket combine unit (Power Plug) fixed on plastic or Fiber top covered sheet on (14 SWG) metal board with earth terminal recessed in wall and column including, connection as required.	4.00	Nos	1144	4,576.00
2-65-1	<b>9</b>	<b><u>Gang Switch</u></b> Providing & fixing flush type, 6 Amps, SP Piano switch fixed on Plastic or Fiber top covered sheet on (14 SWG) metal board with earth terminal recessed in wall and column including, connection as required.	6.00	Each	340.00	2,040.00
2-77-9	<b>10</b>	<b><u>LED Lights</u></b> Providing, Installation, Testing & Commissioning of water proof LED Batten Lights including driver, having warm / Neutral White / cool white colour 90 -100 lm/watts efficiency, 0.9 or above power factor, 20000-25000 hours life cycle, including connection, complete in all respect as approved by the Engineer Incharge.				
e.		18-20 Waats	16.00	Nos.	3925.00	62,800.00
2-77-10	<b>11</b>	<b><u>LED Lights</u></b> Providing, Installation, Testing & Commissioning of water proof LED Batten Lights including driver, having warm / Neutral White / cool white colour 100 -110 lm/watts efficiency, 0.9 or above power factor, 40000-50000 hours life cycle, including connection, complete in all respect as approved by the Engineer Incharge.				
b.		30-36 Watts	2.00	Nos.	23065.00	46,130.00
2-80-03	<b>12</b>	<b><u>(56") Sweep Ceiling Fan</u></b> Providing & installing 140 Cm (56") sweep ceiling fan with blades, canopy, standard length of down rod including connection with 14.0076" flexible wire complete as required. (without regulator) Pak, Royal, GFC, Younas, Millat.	4.00	Each	9349	37,396.00

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3-02-01	<b>13</b>	<b>4 Core Cable</b> Providing & laying 4 core, PVC insulated & PVC sheathed, 600/1000 volts grade with stranded copper conductor, armoured underground, L.T cable buried in the ground dully covered with sand and warning cable tiles as per Pak. P.W.D specification as required.				
a.		10 mm	100.00	Rft	1122.00	112,200.00
i.		150 mm	130.00	Rft	8140.00	1,058,200.00
j.		185 mm	200.00	Rft	10013	2,002,600.00
3-08-02	<b>14</b>	<b>Earthing Set</b> Providing and fixing Earthing set with 2'x2'x1/4" copper plate buried in the ground at a depth of 12 feet or less if water comes out from the ground level (with salt and charcoal, or Earthing chemical Powder) etc making the pit 12 feet deep by excavation of all type of soil (except soft or hard rock) i/c fixing of 8 SWG copper wire in 1/2 " G.I conduit complete in all respect as required.	2.00	Job	65762	131,524.00
6-01-04	<b>15</b>	<b>Split Type A.C.</b> Providing, installation, testing and commissioning of of split type Wall Mounted Air Conditioner (Cool Only) in specified place the job include connection of copper piping of out door unit fit on roof or angle iron frame making their connection of the unit with suitable size of wire also piping for condensed water etc as required approve make. (Local Make) (6-01-04)				
	b.	Split Type A.C. 1.5 Ton (18000 BTU)	1.00	Job	141710.00	141,710.00
02-73-02	<b>16</b>	Providing & fixing Cubical typ metal vermin protected LT Panel board as per drawing, with locking arrangement duly powder coated paint i/c. all fatening devices and electrical wire / leads for internal connection complete as required	12.00	Sft	10756	129072.00
02-71-19	<b>17</b>	Providing & fixing 160 to 250 Amps (Adjustable - High Breacking Capacity) 4 Pole circuit breaker fixed on existing board, i/c Inter-connection as required.	2.00	Each	82271	164542.00

**E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI**

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02-71-07	<b>18</b>	Providing & fixing 250 to 400 Amps (High Bracking Capacity) T.P. Circuit bracker fixed on exiting board, i/c. inter-connection as required.	1.00	Each	42489	42489.00
02-71-04	<b>19</b>	Providing & fixing 10 to 60 Amps (High Bracking Capacity) T.P. MCCB fixed on existing board, i/c. inter-connection as required.	4.00	Each	10338	41352.00
02-71-01	<b>20</b>	Providing & fixing 06 to 32 Amps S.P. MCCB fixed on existing board, i/c. inter-connection as required.	2.00	Each	870	1740.00
02-74-01	<b>21</b>	Providing & fixing 10 to 60 Amps, 4 pole, 3 Phase bus bar strip fitted in given D.B. complete with bus bar insulator, screws, bolts etc as required.	1.00	Each	10529	10529.00
02-74-02	<b>22</b>	Providing & fixing 70 to 150 Amps, 4 poles, 3 Phase bus bar strip fitted in given D.B. complete with bus bar insulator, screws, bolts etc as required.	1.00	Each	12973	12973.00
02-74-04	<b>23</b>	Providing & fixing 160 to 200 Amps 4 Pole three phase bus bar strip fitted in given Distribution board complete with bus bar insulator, screws, bolts, etc ar required.	1.00	Each	15887	15887.00
03-07-02	<b>24</b>	Making straight through joint of 3 or 4 core armoured, copper conductor L.T. cable, complete with heat shrink tubes, ferules, G.I. flexablr earth net, joint box and compound solution including excavation & back filling as required.				
	<b>j.</b>	185 mm	2.00	Job	30651	61302.00
		<b>Accessories / Conduits / Trays / Installation</b>				
02-75-01	<b>25</b>	Providing & fixing pilot lamp set fitted on existing board i/c. connection as required.	1.00	Set	872	872.00
02-76-01	<b>26</b>	Providing & fixing single phase 10 to 40 Amps, 220/230 volts energy meter fitted on existing board i/c connection as required. (Syed Brother. PEL)	1.00	Each	8931	8931.00
02-76-02	<b>27</b>	Providing & fixing 3 Phase 15 to 90 Amps, 400/440 volts energy meter fitted on existing bard i/c connection as required. (Syed Brothers, PEL)	1.00	Each	19860	19860.00

**E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI**

**Engineering Estimate as Per PAK. PWD Schedule of Rates 2022**

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02-76-03	<b>28</b>	Providing & fixing sheet fabricasted board with angle iron frame fitted on surface suitable to accommodate main switched, busbar, etc as required.	12.00	SFT	3746	44952.00
		<b>Total Electrical Works (Schedule)</b>			<b>Total Rs.</b>	<b>4,294,710.00</b>
		Above / below _____%			Rs.	
		<b>G. Total Electrical Works (Schedule)</b>			<b>Total Rs.</b>	

**E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI**

**Engineering Estimate as Per PAK. PWD Schedule of Rates 2022**

	<b>S.#.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
		<b>NON SCHEDULE ITEMS</b>				
<b>NS</b>	<b>1</b>	Providing and Fixing 5 pin <b>industrial socket.</b> (shinider, clipsal or equal).				
	<b>a.</b>	S+P 5 PIN 65 Amp	2.00	Each		
<b>NS</b>	<b>2</b>	<b>Industrial Axial-type Exhaust Fan</b> Providing, supplying, and installing industrial axial-type exhaust fan, wall-mounted, size 35" sweep, with aluminum/galvanized steel blades, protective grill, and automatic louver-type shutter. Housing made of corrosion-resistant galvanized steel sheet. Motor: 220V, 50Hz, single/three phase (as required), with high-efficiency performance suitable for continuous operation. Includes all necessary wiring, mounting frame, vibration pads, and testing/commissioning, complete in all respects as per engineer's approval.	2.00	Each		
		<b>Total Electrical Works (Non Schedule)</b>			<b>Total Rs.</b>	
		<b>PLUMBING WORKS (Schedule Items)</b>				
553-3	<b>1</b>	<b>W.C.</b> Providing and fixing squatting type W.C. Pan in white vitreous china with integral treads (Pakistani) orissa pattern and C.I. trap 100mm dia. Complete with and including the best quality low level plastic flushing cistern of standard size with internal fittings complete, P.V.C. flushing pipe suitable for this type with fittings and making requisite number of holes in walls, plinth & floor for pipe connections and making good in cement concrete 1:2:4.	1.00	Nos.	13602.50	13,602.50
554-09	<b>2</b>	<b>Wash Basin</b> Providing and fixing 22 inches x 16 inches (560 x 406 mm) lavatory basin in white glazed earthenware (Pakistani) complete with and including the cost of Brass oxidized bolts kit built into walls 1/2 inches (15 mm) dia. Chrome plated mixer, 1-1/4 inches (32 mm) rubber plug and chrome plated brass chain 1-1/4 inches (32 mm) dia brass waste of approved pattern 1-1/4 inches (32 mm) dia chromium plated battal trap with unions and making requisite, number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4.	1.00	Nos.	12262.50	12,262.50

**E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI**

**Engineering Estimate as Per PAK. PWD Schedule of Rates 2022**

	<b>S.#.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
554-10	<b>3</b>	<b>Pedestal</b> Extra over item No. 8 and 9 for providing and fixing best available (Pakistani make) white glazed earthenware pedestal.	1.00	Nos.	2918.75	2,918.75
555-16	<b>4</b>	<b>Floor Trap</b> Providing and fixing C.I. trap with 4 inches (100 mm) dia inlet and 4 inches (100 mm) dia outlet of the approved self cleansing design with C.I. grating with or without a vent arm including cost of making requisite number of holes in wall, plinth and floor for pipe connection and making good in cement concrete 1:2:4.	2.00	Nos.	2239.25	4,478.50
588-3	<b>5</b>	<b>C.I. Gully Trap</b> Providing and fixing 6" x 6" (150 mm x 150 mm) with 4 inches (100 mm) outlet cement concrete C.I. gully trap wt: 42 lbs. (19 kg.) complete with 4 inches thick (100 mm) 1:2:4 cement concrete for bed and kerb, 1/2 inch (13mm) thick cement plaster (1:3) to the kerb, C.I. grating 6 inches x 6 inches (150 mm x 150 mm) and C.I. cover and frame 12 inches x 12 inches (305mm x 305 mm) (inside) etc., complete...	1.00	Each	4139.00	4,139.00
555-17	<b>6</b>	<b>Stop Cock</b> Providing 1/2 inch (15 mm) dia plastic connection complete with a 1/2 inch (15 mm) dia brass stop cock two brass nuts and lining jointed to plastic pipe.	2.00	Nos.	824.50	1,649.00
558-13	<b>7</b>	<b>Muslim Bib Cock</b> Providing & fixing chromium plated Muslim bib-cock with Muslim Shower of approved quality.	1.00	Nos.	3381.75	3,381.75
570-2	<b>8</b>	<b>Bib Cock</b> Providing and fixing 1/2 inches dia. (15 mm) CP Bib cocks.	2.00	Nos.	1130.40	2,260.80
557-5	<b>9</b>	<b>Mirror for Common Bath</b> Providing and fixing 24 inches x 18 inches (610 mm x 457 mm) looking mirror of Imported glass 5 mm thick fixing with CP clamps and screws.	1.00	Each	2173.98	2,173.98

**E.M.R.C. FURNACE BLOCKS AT PCSIR LABORATORIES COMPLEX, KARACHI**

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567-21		<b>PVC Pipe</b> Providing and fixing un platisized polyvinyl chloride pipe (P.V.C) "D" class and specials etc. including cutting and fitting complete with and including the cost of cutting trench upto 1-1/2 feet deep refilling, watering, ramming, and disposal of surplus earth within one chain and after cleaning the pipe and cartage within 10 miles (16.09 km.) (working pressure 12 kg/cm <sup>2</sup> ) 1-1/4 inches (32 mm) dia.				
567-24	<b>10</b>	Do Do. 3 inches (80 mm) dia pipe.	40.00	Rft	503.47	20,138.80
567-25	<b>11</b>	Do Do. 4 inches (100 mm) dia pipe.	100.00	Rft	600.01	60,001.00
		<b>PPRC Pipe</b>				
567-29	<b>12</b>	Providing and fixing PPRC pipe PN-20 with specials, and clamps etc, including cutting and fitting complete with and in-cluding the cost of breaking through walls and roof and making good etc; after cleaning the pipe and cartage within 10 miles 20mm dia.	100.00	Rft	153.45	15,345.00
567-30	<b>13</b>	Providing and fixing PPRC pipe PN-20 with specials, and clamps etc, including cutting and fitting complete with and in-cluding the cost of breaking through walls and roof and making good etc; after cleaning the pipe and cartage within 10 miles 25mm dia.	200.00	Rft	215.32	43,064.00
		<b>PPRC Valve</b> Providing and fixing 1/2 inch (15 mm) dia ball valve (with PVC Ball) made to B.S.S. 1212.				
570-21	<b>14</b>	Do. Do. 1-1/2 inches (40 mm) dia Do.	1.00	Nos.	871.60	871.60
570-22	<b>15</b>	Do. Do. 2 inches (50 mm) dia Do..	1.00	Nos.	1084.10	1,084.10
	<b>16</b>	<b>G.I Pipe for Gas</b> Providing & fixing low pressure Gas G.I. pipe (medium) with special such as bend, tee, union and socket etc. are required.				
4-1-01	<b>a.</b>	13 mm (1/2") dia	50.00	Rft	203.00	10,150.00
	<b>b.</b>	20 mm (3/4") dia	150.00	Rft	251.00	37,650.00
4-1-02	<b>17</b>	<b>Gas Cock</b> Providing and fixing Beass Gas Cock as required.				
	<b>b.</b>	15 mm (1/2") dia	2.00	Each	806.00	1,612.00
	<b>c.</b>	20 mm (3/4") dia	2.00	Each	1143.00	2,286.00

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590-01	<b>18</b>	<b><u>Manhole "A" Type</u></b> Providing manhole type 'A' size 2 feet x 1-1/2 feet or (610 mm x 457 mm) (inside dimensions) x 2 feet (610 mm) deep as per approved design and specifications complete for 4 inches to 12 inches (100 to 305 mm) dia pipes up to 3 feet-11 inches (1.19 m) depth with cast iron cover and frame 16 inches (406 mm) dia, inside (weight=1 Cwt.1 Qtr.) or 63.5 kg. fixed in 4 inches (100 mm) thick RCC 1:2:4 slab, 8 inches (203 mm) thick c.c. 1:3:6 block masonry walls set in 1:3 c.m; 6 inches (150 mm) thick 1:3:6 c.c. in foundation 1:2:4 c.c. in benching, 1/2 inches (13 mm) thick cement plaster in 1:3 C.M. to all inside wall surface, channels and benching etc. and to top including making requisite umber of main and branch channels but excluding the cost of excavation back filling and disposal of xcavated stuff, manhole cover and frame. (Page No. 590,Item No. 01)	2.00	Nos.	10617.49	21,234.98
590-02	<b>19</b>	Add for extra depth beyond 2 feet and up to 3 feet-11 inches (610 mm and up to 1194 mm) for 'A' type manholes (for depth lesser than 2 feet or 610 mm deduct at the same rate	12.00	Inch	200.00	2,400.00
588-1+2	<b>20</b>	<b><u>Sub Main Hole</u></b> Providing and fixing 6" x 4" (150 mm x 100 mm) cement concrete gully trap with 4 inches (100 mm) outlet, complete with 4 inches (100 mm) thick 1:2:4 cement concrete for bed and kerb, 1/2 inch ("13 mm) thick cement plaster 1:3 to the kerb, C.I. grating 6 inches x 6 inches (150 mm x 150 mm) and C.I. cover and frame 12" x 12" (305 mm x 305 mm) (inside) etc., complete.	2.00	Nos.	4188.65	8,377.30
4/2/2001	<b>21</b>	Providing, laying and commissioning high pressure <b>MS Pipe</b> , including Cleaning applying primer, coating with BBES (bitumen, binding, enamel surface) compound and wraping with fiber glass, complete as laid in trenches (excluding excavatio)				
	<b>c</b>	50 mm (2") dia	124.00	P/Meter	1020.00	126,480.00
	<b>d</b>	100 mm (4" dia)	33.00	P/Meter	2233.00	73,689.00
		<b>Total Plumbing Works (Schedule)</b>			<b>Total Rs.</b>	<b>471,250.56</b>
		Above / below _____ %			Rs.	
		<b>G. Total Plumbing Works (Schedule)</b>			<b>Total Rs.</b>	