

NATIONAL COMPETITIVE BIDDING

TNCB-20/CIVIL/W.TOWERS/JPCL/2025

PROCUREMENT OF CIVIL WORKS

“NEW CONSTRUCTION OF 08 Nos. WATCH TOWERS, 03 Nos. S. CHECK POSTS, M&R OF 14 Nos. W. TOWERS & 02 Nos. WASHROOMS IN RESIDENTIAL COLONY AND POWERHOUSE TPS, JAMSHORO

(Single Stage - One Envelope Procedure)

(National Competitive Bidding)



JAMSHORO POWER COMPANY LIMITED

SEPTEMBER 2025

Standard Bidding Documents

For

Procurement of Works

“New construction of 08 Nos. Watch Towers 03 Nos. S. Check Posts, M&R of 14 Nos. W. Towers & 02 Nos. Washrooms in Residential Colony and Powerhouse TPS, Jamshoro as per Schedule of Requirement, Section-V of the Tender Document”

PART-A – BIDDING PROCEDURE & REQUIREMENTS

Section I - Invitation for Bids

Section II- Instructions to Bidders (ITB)

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

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, and Works Requirement

This section contains information regarding evaluation and qualification criteria and Works Requirements, Technical Specifications, Drawings, Supplementary Information and Bill of Quantities.

Section VI – Standard Bidding Forms

This Section includes the standard forms for 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 VII - General Conditions of Contract (GCC)

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

Section VIII - Special Conditions of Contract (SCC)

This Section consists of Contract Data and Specific Provisions which contains clauses specific to this contract.

Section IX - Contract Forms

This Section contains forms which, once completed, will become part of the Contract including Letter of Acceptance, Contract Agreement, Integrity Pact and other relevant forms. The forms for **Performance Security/ Guarantee and Beneficial Owners Information** will be provided by the successful bidder to whom Letter of Acceptance is issued, before the award of contract.

PART-A
BIDDING PROCEDURE & REQUIREMENTS

SECTION I: INVITATION FOR BIDS

Jamshoro Power Company Limited (JPCL), Jamshoro, Sindh-Pakistan



Bid No. TNCB-20/CIVIL/W.TOWERS/JPCL/2025

For

“New construction of 08 Nos. Watch Towers 03 Nos. Security Check Posts, M&R of 14 Nos. W. Towers & 02 Nos. Washrooms in Residential Colony and Powerhouse TPS, Jamshoro as per Schedule of Requirement, Section-V of the Tender Document”

Invitation to Bidders

Date: 24-09-2025

1. This Invitation to Bidders follows the Procurement Advertisement (PA) for the subject Procurement which appeared on PPRA-EPADS and JPCL websites on 24-09-2025 and published in “Daily Express Tribune” and “Roznama 92 News” newspapers on 24-09-2025 for wide circulation and healthy competition.
2. The JPCL has reserved Funds for the procurement planned for FY 2025-26. and intends to apply part of the proceeds of this Fund to cover eligible payments under the contract for the “New construction of 08 Nos. Watch Towers, 03 Nos. Security Check Posts, M&R of 14 Nos. W. Towers & 02 Nos. Washrooms in Residential Colony and Powerhouse TPS, Jamshoro as per Schedule of Requirement, Section-V of the Tender Document”
3. JPCL now invites bids from the prospective and eligible Contractors/Firms duly registered on EPADS and licensed by the Pakistan Engineering Council (PEC) in the appropriate category for value of works and are Active Taxpayers, holding specific experience or capabilities in construction and satisfying key qualifications and eligibility requirements for the following work:

| Description of work | Location | Estimated Cost of Work without Taxes (PKR) | 5% Bid Security (PKR.) | Period of Completion (In Days) |
|--|---------------------------------|--|------------------------|--------------------------------|
| “New construction of 08 Nos. Watch Towers 03 Nos. Security Check Posts, M&R of 14 Nos. W. Towers & 02 Nos. Washrooms in Residential Colony and Powerhouse TPS, Jamshoro as per Schedule of Requirement, Section-V of the Tender Document” | Coal Fired Power Plant Jamshoro | 9,158,950 | 457,948 | 120 |

4. The Bidders who have history of non-conformance and have not completed substantially their works at JPCL within stipulated period without judicious grounds, will not be eligible to participate in this Bid.

5. The bidding shall be conducted in line with the “**Single stage-one envelope**” procedure by adopting “least cost based selection (LCBS)” technique for the subject procurement, in line with Rule 36 (a) of the Public Procurement Rules, 2004 and any Regulations, and Instructions issued by the Authority (from time to time) and is open to all eligible bidders registered on **EPADS**.
6. E-Tender documents, containing detailed terms & conditions, specifications and requirements etc. are available online and can be downloaded from JPCL Website www.jpcl.com.pk and PPRA-E-Pak Acquisition & Disposal System (**EPADS**) at www.eprocure.gov.pk from **Friday, 26 September, 2025**. Bidders are requested to keep visiting EPADS and JPCL’s official website to seek the updated information/Addendum/Corrigendum, if any. Bidders can seek any clarification through EPADS, three days prior to submission deadline of the bids.
7. All Bids must be accompanied by a Bid Security amounting to 5% of the estimated value of work in PKR **457,948**, in the shape of CDR / Pay Order /Bank Guarantee on the prescribed format in favour of “CEO JPCL Jamshoro” and **upload the scanned copy on EPADS** along with the bid and **original bid security** along with bidding document must be delivered by hand or through courier to reach “On or before 11:30 Hours” on Thursday, 16 October 2025 at Director Procurement, 2nd Floor, Main Admin Building CFPP Jamshoro, before the online submission deadline of bids without which the respective bids will not be accepted and opened.
8. The e-bids, prepared in accordance with the instructions in the e-Bidding Documents, must be submitted through EPADS on or before 1130Hours on Thursday, 16 October 2025. E-bids will be opened on the same day at JPCL Conference Hall, 1st Floor, Main Admin Building, Jamshoro at 1200Hrs. Manual submission of Bids shall not be entertained except Bid Security. (One hard copy of bid may also be submitted with Procuring Agency for ease of evaluation. In case of any discrepancy, the bid uploaded on EPADS shall prevail).
9. In terms of Rules 48 of Public Procurement Rules, 2004 Grievance Redressal Committee (GRC) has been notified for the subject procurement and notification copy is available on the procuring agency’s website (www.jpcl.com.pk) and on Authority’s website at (www.ppra.org.pk).
10. Pre-Bid Meeting/Site Visit will be held on Wednesday, 08 October 2025 at 1130Hrs. at JPCL Conference Room 1st Floor, Main Admin Building, TPS Jamshoro and can be joined through Zoom, the link of which shall be shared through JPCL website.
11. *The Procuring Agency reserves the right to reject any or all bids subject to relevant provisions of PPRA Rules, 2004 and may cancel the bidding process at any time prior to the acceptance of a bid or proposal under Rule-33(1) of said Rules, without incurring any liability to the bidder(s) or any obligation to inform the bidder(s) of the grounds for JPCL’s action.*

Chief Engineer/Project Director,
Jamshoro Coal Fired Power Project,
Mohra Jabal, Dadu Road, Jamshoro
Phone: 022 9213744, 022 9213742
Email: pdpiu@jpcl.com.pk

Table of Contents

| | |
|---|----|
| A. INTRODUCTION | 9 |
| 1. Scope of Bid..... | 9 |
| 2. Source of Funds | 9 |
| 3. Eligible Bidders | 9 |
| 4. Eligible Material and Equipment | 11 |
| 5. One Bid per Bidder | 11 |
| 6. Cost of Bidding | 11 |
| B. BIDDING DOCUMENTS | 11 |
| 7. Contents of Bidding Documents..... | 11 |
| 8. Clarification of Bidding Document, Pre-bid Meeting | 12 |
| 9. Amendment of Bidding Documents | 13 |
| C. PREPARATION OF BIDS | 14 |
| 10. Language of Bid..... | 14 |
| 11. Documents Establishing Eligibility of Material, Equipment and Works, their Conformity to Bidding Documents | 14 |
| 12. Documents Establishing Eligibility and Qualification of the Bidder..... | 15 |
| 13. Letter of Bid and Schedules | 15 |
| 14. Letter of Bid | 16 |
| 15. Bid Prices..... | 16 |
| 16. Currencies of Bid and Payment | 17 |
| 17. Documents Comprising the Technical Proposal | 17 |
| 18. Bid Validity Period | 17 |
| 19. Bid Security or Bid Securing Declaration..... | 18 |
| 20. Alternative Bids by Bidders | 19 |
| 21. Withdrawal of Bids | 19 |
| 22. Format and Signing of Bid | 19 |
| D. SUBMISSION OF BIDS | 20 |
| 23. Sealing and Marking of Bids | 20 |
| 24. Deadline for Submission of Bids | 20 |
| 25. Late Bids | 20 |
| 26. Substitution and Modification of bids | 20 |
| E. OPENING AND EVALUATION OF BIDS | 21 |
| 27. Opening of Bids | 21 |
| 28. Confidentiality | 22 |
| 29. Clarification of Bids | 22 |
| 30. Preliminary Examination of Bids | 23 |
| 31. Examination of Terms and Conditions; Technical Evaluation | 25 |
| 32. Correction of Arithmetic Errors..... | 25 |
| 33. Conversion to Single Currency..... | 26 |

| | |
|---|-------------------------------------|
| 34. Evaluation of Bids..... | 26 |
| 35. Domestic Preference | 28 |
| 36. Determination of Most Advantageous Bid | 28 |
| 37. Qualification of Bidder..... | 28 |
| 38. Sub-Contractors | 28 |
| 39. Abnormally Low Financial Bid..... | 29 |
| F. AWARD OF CONTRACT..... | 30 |
| 40. Criteria of Award | 30 |
| 41. Negotiations | 30 |
| 42. Procuring agency/Employer's Right to reject All Bids | 31 |
| 43. Variations..... | 32 |
| 44. Instructions for variations..... | 32 |
| 45. Valuation of Variations | 32 |
| 46. Notification of Award | 33 |
| 47. Signing of Contract | 33 |
| 48. Performance Security (or Guarantee) | 33 |
| 49. Advance Payment | 34 |
| 50. General Performance of the Bidders..... | 34 |
| 51. Corrupt & Fraudulent Practices | 34 |
| F. GRIEVANCE REDRESSAL & COMPLAINT REVIEW MECHANISM .. | 34 |
| 52. Constitution of Grievance Redressal | 34 |
| 53. GRC Procedure | 34 |
| G. MECHANISM OF BLACKLISTING | 36 |
| 54. Mechanism of Blacklisting..... | 36 |
| SECTION III: BID DATA SHEET Bid Data Sheet (BDS) | 38 |
| Section IV. Eligible Countries | 45 |
| SECTION V: WORKS REQUIREMENT, TECHNICAL SPECIFICATIONS, DRAWINGS, SUPPLEMENTARY INFORMATION AND BILL OF QUANTITIES | 50 |
| Scope of Works | 53 |
| Technical Specifications | 54 |
| Drawings | Error! Bookmark not defined. |
| (Insert reference to the drawing of the Construction works to be carried out under this contract) | Error! |
| Bookmark not defined. | |
| Supplementary Information | 94 |
| Technical Proposal | 62 |
| SECTION VI: STANDARD BIDDING FORMS | 101 |
| Notification of Award | 153 |
| Performance Guarantee Form | 156 |
| Integrity Pact | 157 |

SECTION II: INSTRUCTION TO BIDDERS (ITBs)

A. INTRODUCTION

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| 1. Scope of Bid | 1.1 | The Procuring agency/Employer (PA), as indicated in the Bid Data Sheet (BDS) invites Bids for the execution of Works as specified in the BDS and Section V- Works Requirements . The name, identification, and number of lots (contracts) of this National Competitive Bidding process are specified in the BDS. |
| 2. Source of Funds | 2.1 | Source of funds as referred in Bid Data Sheet. JPCL Own Resources |
| 3. Eligible Bidders | 3.1 | A bidder may be natural person, company or firm or public or semi-public agency of Pakistan or any foreign country. <i>registered with PPRA-EPADS, Income Tax and Sales Tax Departments, who are on Active Taxpayer List of FBR</i> and licensed by the Pakistan Engineering Council (PEC) in the appropriate category for Value of Works |
| | 3.2 | Deleted/Not Applicable/Not Used |
| | 3.3 | Deleted/Not Applicable/Not Used |
| | 3.4 | Deleted/Not Applicable/Not Used |
| | 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 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 | 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: <ul style="list-style-type: none"> 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 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 c) The works to be executed are resulting from or directly related to consulting services for the preparation or implementation of the |

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| | | <p>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;</p> <p>d) have controlling shareholders in common; or</p> <p>e) receive or have received any direct or indirect subsidy from any of them; or</p> <p>f) have the same legal representative for purposes of this Bid; or</p> <p>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</p> <p>h) Submit more than one bid in this bidding process.</p> |
| | 3.8 | <p>A Bidder may be ineligible if –</p> <p>(a) he is declared bankrupt or, in the case of company or firm, insolvent;</p> <p>(b) payments in favor of the bidder are 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;</p> <p>(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;</p> <p>(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;</p> <p>(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.</p> <p>(f) The bidder is blacklisted or debarred by a foreign country, international organization, or other foreign institutions for the period defined by them.</p> |
| | 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> |

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| | 3.11 | 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. |
| 4. Eligible Material and Equipment | 4.1 | 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”. |
| | 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 in the country-of-origin declarations included in the Form of Bid. |
| 5. One Bid per Bidder | 5.1 | A bidder shall upload on EPADS only one bid, in the same bidding process. |
| | 5.2 | Deleted/Not Applicable/Not Used |
| 6. Cost of Bidding | 6.1 | The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Procuring agency/Employer shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process. |

B. BIDDING DOCUMENTS

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| 7. Contents of Bidding Documents | 7.1 | <p>The scope of Works, bidding procedures, and terms and conditions of the contract are prescribed in the bidding documents. In addition to the Invitation for Bids, the bidding documents which should be read in conjunction with any addenda issued in accordance with ITB 9.2 include:</p> <p>Section I -Invitation for Bids Section II Instructions to Bidders (ITBs) Section III Bid Data Sheet (BDS) Section IV Eligible Countries Section-V Eligibility & Qualification Criteria, Works Requirements- Technical Specifications & Schedule of Requirements Section VI Standard Bidding Forms Section VII General Conditions of Contract (GCC) Section VIII Special Conditions of Contract (SCC) Section IX Contract Forms</p> |
| | 7.2 | The number of copies to be completed and submitted with the Bid is specified in the BDS . |

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| | 7.3 | The Procuring agency/Employer is not responsible for the completeness of the bidding documents and their addenda, if they were not obtained directly from the EPADS / the signed pdf version downloaded from the website of the Procuring agency or the Authority's website as the case may be. However, Procuring Agency/Employer shall place both the pdf and editable version of the same on its website and Authority's website. |
| | 7.4 | 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. |
| 8. Clarification of Bidding Document, Pre-bid Meeting | 8.1 | A prospective bidder requiring any clarification of the bidding document may notify and seek clarification from the Procuring agency/Employer through EPADS as indicated the BDS . |
| | 8.2 | The Procuring agency/Employer will within three (3) working days after receiving the request for clarification, respond in writing in EPADS provided that such request is received not later than three (03) days prior to the deadline for the submission of Bids as prescribed in ITB 24.1 . However, this clause shall not apply in case of alternate methods of procurement. |
| | 8.3 | Copies of the Procuring agency/Employer's response will be forwarded to all identified prospective bidders through an identified source of communication, including a description of the inquiry, but without specifying its source. In case of downloading the bidding documents from the website of Procuring agency/Employer, the response of all such queries will also be available on the EPADS platform /website. |
| | 8.4 | Should the Procuring agency/Employer deem it necessary to amend the bidding documents as a result of clarification, it shall do so following the procedure as prescribed under ITB 09 . |
| | 8.5 | If indicated in the BDS , the bidder's designated representative is invited at the bidder's cost to attend a pre-bid meeting at the place, date and time mentioned in the BDS . During this pre-bid meeting, prospective bidders may request clarification of the schedule of requirement, the evaluation criteria or any other aspects of the bidding documents. |
| | 8.6 | 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 through EPADS. Any modification to the bidding documents that may become necessary as |

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| | | a result of the pre-bid meeting shall be made by the Procuring agency/Employer 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. |
| | 8.7 | 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. |
| | 8.8 | 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. |
| 9. Amendment of Bidding Documents | 9.1 | Before the deadline for submission of bids, the Procuring agency/Employer 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 ITB 7.1 and shall be communicated in a timely manner and on equal opportunity basis. Where notification of such change, addition, modification or deletion becomes essential, such notification shall be made in a manner similar to the original advertisement. <i>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.</i> |
| | 9.3 | To give prospective bidders reasonable time in which to take an addendum/corrigendum into account in preparing their bids, the Procuring agency/Employer may, at its discretion, extend the deadline for the submission of bids: <i>Provided that the Procuring agency/Employer shall extend the deadline for submission of bid, if such an addendum is issued within last three (03) days of the bid submission deadline.</i> |

C. PREPARATION OF BIDS

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| 10. Language of Bid | 10.1 | 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/Employer shall be written in the English language unless specified in the BDS . 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 BDS , in which case, for purposes of interpretation of the bidder, the translation shall govern. |
| 11. Documents Establishing Eligibility of Material, Equipment and Works, their Conformity to Bidding Documents | 11.1 | <p>The bid prepared by the bidder shall constitute the following components: -</p> <ul style="list-style-type: none"> a) Documentary evidence established in accordance with ITB 11 that the material, equipment and services to be provided by the Bidder are eligible material, equipment and services, and conform to the Bidding Documents; b) Documentary evidence established in accordance with ITB 12 that the bidder has been authorized to carry out the Construction works; c) Documentary evidence established in accordance with ITB 12 that the bidder is eligible and/or qualified for the subject bidding process; d) Form of Bid and Bid Prices completed in accordance with ITB 14 and 15; e) Completed schedules as required, including priced Bill of Quantities in accordance with ITB 13 & 15. f) Technical Proposal completed in all aspects in accordance with ITB-17. g) Bid security or Bid Securing Declaration furnished in accordance with ITB 19; h) Alternative bids, if permissible, in accordance with ITB 20; i) Duly Notarized Power of Attorney authorizing the signatory of the Bidder to submit the bid; and j) Any other document required in the BDS. |
| | 11.2 | 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. (Deleted/Not Applicable/Not Used) |

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| | 11.3 | The bidder shall furnish, as part of its bid, all those documents establishing 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. |
| | 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> <ul style="list-style-type: none"> a) a detailed description of the work methodology, approach, schedule and resources to be mobilized at site; 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; c) any other procurement specific documentation requirement as stated in the BDS. |
| | 11.5 | 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. |
| 12. Documents Establishing Eligibility and Qualification of the Bidder | 12.1 | 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. |
| | 12.2 | The documentary evidence of the bidder's eligibility to bid shall establish to the satisfaction of the Procuring agency/Employer 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". |
| | 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/Employer that:</p> <ul style="list-style-type: none"> 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 BDS. 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. c) That the bidder meets the qualification criteria listed in Section-V, Evaluation and Qualification Criteria and BDS. |
| 13. Letter of Bid and Schedules | 13.1 | The Letter of Bid (Technical or Financial as the case may be) and Schedules, including the Bill of Quantities, shall be prepared using the |

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| | | 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 ITB 22 . All blank spaces shall be filled with the information requested. |
| 14. Letter of Bid | 14.1 | The bidder shall fill in 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. |
| 15. Bid Prices | 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. |
| | 15.2 | 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. |
| | 15.3 | <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"> a) where there is only one (substantially) responsive bidder, or b) where there is provision for alternate proposals and the respective items are not listed in the other bids, <p>The Procuring agency/Employer may fix the price of missing items in accordance with market survey, and the same shall be considered as final price.</p> |
| | 15.4 | The Bid price to be quoted in the Form of Bid in accordance with ITB 15.1 shall be the total price of the bid. |
| | 15.5 | Unless otherwise specified in the BDS 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. |
| | 15.6 | If so, specified in ITB 1.1 , bids may be invited for individual lots (contracts) or for any combination of lots (packages). |
| | 15.7 | 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 ITB 30 , unless otherwise price adjustment is permissible under Conditions of the Contract. |

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| | 15.8 | 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. |
| 16. Currencies of Bid and Payment | 16.1 | The currency(ies) of the bid and the currency(ies) of payments shall be as specified in the BDS . |
| | 16.2 | 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. |
| | 16.3 | Bidders shall indicate details of their expected foreign currency requirements in the Bid, if prescribed in the BDS. |
| | 16.4 | Bidders may be required by the Procuring agency/Employer to clarify their foreign currency requirements, if prescribed in the BDS and to substantiate that the amounts included in Lump Sum and in the SCC are reasonable and responsive to ITB 16.1 . |
| 17. Documents Comprising the Technical Proposal | 17.1 | The bidder shall furnish a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in Section VI – Standard Bid Forms , in sufficient detail to demonstrate the adequacy of the bidder's proposal to meet the work requirements and the completion time. |
| 18. Bid Validity Period | 18.1 | Bids shall remain valid for the period specified in the BDS after the bid submission deadline prescribed by the Procuring agency/Employer. A bid valid for a shorter period shall be rejected by the Procuring agency/Employer 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. |
| | 18.2 | Under exceptional circumstances, prior to the expiration of the initial bid validity period, the Procuring agency/Employer 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 ITB 19 shall also be extended 28 days beyond the deadline of extended bid validity period. A bidder may refuse the request for the extension of his bid without forfeiting his bid security or causing to be executed his 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 |

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| | | Security or Bid Securing Declaration for the period of the extension, and in compliance with ITB 19 in all respects. |
| 19. Bid Security or Bid Securing Declaration | 19.1 | <p>Pursuant to ITB 11.1 unless otherwise specified in the BDS, 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/Employer and in the amount and currency specified in the BDS or Bid Securing Declaration as specified in the BDS in the format provided in Section VI (Standard Bidding Forms).</p> <p>In case Procuring agency/Employer is inviting bids in lots / packages, the bidder shall be required to submit his bid security against the respective lot/ package for which he is submitting his bid, which shall not exceed five percent of the estimated value of that particular lot/ package.</p> |
| | 19.2 | The Bid Security or Bid Securing Declaration is required to protect the Procuring agency/Employer 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 ITB 19.9 . |
| | 19.3 | <p>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 BDS which shall be in any of the following:</p> <ul style="list-style-type: none"> 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/Employer 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; b) A cashier's or certified cheque; or c) Another security as indicated in the BDS. |
| | 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 Section VI (Standard Bidding Forms) or another form approved by the Procuring agency/Employer prior to the bid submission. |
| | 19.5 | The Bid Security shall be payable promptly upon written demand by the Procuring agency/Employer in case any of the conditions listed in ITB 19.9 are invoked. |
| | 19.6 | The scan copy of Bid Security of any bid if not uploaded on EPADS and original Bid Security or Bid Securing Declaration not submitted to PA in due time of submission in accordance with ITB 19.1 or 19.3 shall be rejected by the Procuring agency/Employer and shall be declared as non-responsive bid, pursuant to ITB 30 . |
| | 19.7 | Unsuccessful bidders' Bid Security will be discharged or returned as promptly as possible, however in no case later than thirty (30) days |

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| | | <p>after the expiration of the period of Bid Validity prescribed by the Procuring agency/Employer pursuant to ITB 18. The Procuring agency/Employer 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"> (a) The expiry of the Bid Security; (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; (c) The rejection by the Procuring agency/Employer of all Bids; (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. |
| | 19.8 | The successful bidder's Bid Security will be discharged upon the bidder signing the contract pursuant to ITB 47 , or furnishing the performance security (or guarantee), pursuant to ITB 48 . |
| | 19.9 | <p>The Bid Security may be forfeited or the Bid Securing Declaration executed:</p> <ul style="list-style-type: none"> a) if a Bidder: <ul style="list-style-type: none"> 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 ITB 18.2; or ii) Does not accept the correction of errors pursuant to ITB 32; or b) In the case of a successful bidder, if the bidder fails: <ul style="list-style-type: none"> i) to sign the contract in accordance with ITB 47; or ii) to furnish performance security (or guarantee) in accordance with ITB 48. |
| | 19.10 | In case of Bid Security issued by the foreign bank is allowed by the Procuring agency/Employer, the same should be counter guaranteed by a corresponding bank in Pakistan. Furthermore, in case of joint venture, it should be in the name of Joint venture to ensure joint responsibility. |
| 20. Alternative Bids by Bidders | 20.1 | Deleted/Not Applicable/Not Used |
| | 20.2 | Deleted/Not Applicable |
| | 20.3 | Deleted/Not Applicable |
| 21. Withdrawal of Bids | 21.1 | Before bid submission deadline, any bidder may withdraw, substitute, or modify its bid after it has been submitted through EPADS. |
| | 21.2 | Deleted/Not Applicable |
| 22. Format and Signing of Bid | 22.1 | The Bidder shall prepare an original bid as indicated in the BDS , clearly marking " ORIGINAL " and upload on EPADS and submit hardcopy to PA. In the event of any discrepancy between them, the original on EPADS shall prevail: |

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| | 22.2 | The original 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 BDS and shall be attached to the bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid. |
| | 22.3 | Any interlineations, erasures, or overwriting shall be valid only if they are signed by the person(s) authorized for signing the Bid. |

D. SUBMISSION OF BIDS

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| 23. Sealing and Marking of Bids | 23.1 | In case of Single Stage One Envelope Procedure, the bidder shall upload the original bid on EPADS. |
| | 23.2 | Deleted/Not Applicable/Not Used |
| | 23.3 | Deleted/Not Applicable/Not Used |
| | 23.4 | Deleted/Not Applicable/Not Used |
| | 23.5 | Deleted/Not Applicable/Not Used |
| 24. Deadline for Submission of Bids | 24.1 | Bids shall be uploaded on EPADS no later than the date and time specified in the BDS . |
| | 24.2 | The Procuring agency/Employer may, under exceptional circumstances and at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents in accordance with ITB 9 , in which case all rights and obligations of the Procuring agency/Employer and bidders previously subject to the deadline will thereafter be subject to the new deadline. |
| 25. Late Bids | 25.1 | The Procuring agency/Employer shall not consider for evaluation of any bid, the original Bid Security of which arrives after the deadline for submission of bids, in accordance with ITB 24 |
| | 25.2 | Any Bid Security received by the Procuring agency/Employer after the deadline for submission of bids shall be declared late, recorded, rejected and returned to the bidder. |
| 26. Substitution and Modification of bids | 26.1 | A bidder may substitute or modify his bid after it has been submitted, through EPADS |
| | 26.2 | Revised bid may be uploaded after the substitution or modification made in the original bid in accordance with the provisions referred in ITB 22 . |

E. OPENING AND EVALUATION OF BIDS

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| 27. Opening of Bids | 27.1 | The Procuring agency/Employer will open all bids, in public, in the presence of bidders' or their representatives who choose to attend, and other parties with a legitimate interest in the bid proceedings at the place, on the date and at the time, specified in the BDS . The bidders' representatives present shall sign a attendance sheet as proof of their attendance. |
| | 27.2 | Deleted/Not used |
| | 27.3 | Deleted/Not used |
| | 27.4 | Deleted/Not used |
| | 27.5 | Deleted/Not Applicable/Not Used |
| | 27.6 | Deleted/Not Applicable/Not Used |
| | 27.7 | Deleted/Not Applicable/Not Used |
| | 27.8 | Deleted/Not Applicable/Not Used |
| | 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/Employer 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 ITB 25 . |
| | 27.11 | The Procuring agency/Employer 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 | Deleted/Not Applicable/Not Used |

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| 28. Confidentiality | 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/Employer processing of bids or award decisions may result in the rejection of its bid. |
| | 28.3 | Notwithstanding ITB 28.2 from the time of bid opening to the time of contract award, if any bidder wishes to contact the Procuring agency/Employer 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. |
| 29. Clarification of Bids | 29.1 | To assist in the examination, evaluation and comparison of bids, the Procuring agency/Employer may, ask any bidder for a clarification of its bid including breakdown of prices invariably in writing through EPADS. Any clarification submitted by a bidder that is not in response to a request by the Procuring agency/Employer 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/Employer during the evaluation of bids which shall be sought in accordance with ITB 32 . |
| | 29.3 | 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: <ul style="list-style-type: none"> a) evaluation & qualification criteria; b) required scope of work; c) contract price; d) all securities requirements; e) tax requirements; f) terms and conditions of bidding documents. g) change in the ranking of the bidder |
| | 29.4 | From the time of bid opening to the time of Contract award if any bidder wishes to contact the Procuring agency/Employer 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. |

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| 30. Preliminary Examination of Bids | 30.1 | <p>Prior to the detailed evaluation of bids, the Procuring agency/Employer will determine whether each bid:</p> <ul style="list-style-type: none"> a) meets the eligibility criteria defined in ITB 3 and ITB 4; b) has been prepared as per the format and contents defined by the Procuring agency/Employer in the bidding documents; c) has been properly signed; d) is accompanied by the required securities; and e) is substantially responsive to the requirements of the bidding documents. <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"> a) affects in any substantial way the scope, quality, or performance of the Works. 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 c) if rectified, it would affect unfairly the competitive position of other bidders presenting substantially responsive bids. |
| | 30.3 | <p>The Procuring agency/Employer will confirm that the documents and information specified under ITB 11, 12 and 13 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/Employer 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>Explanation: <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</i></p> |

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| | | <p><i>the work. The Procuring agency/Employer 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"> <i>(a) Submit the number of copies of signed bids required by the invitation;</i> <i>(b) Furnish required information concerning the number of its employees;</i> <i>(c) 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> |
| | 30.5 | <p>Provided that a Technical Bid is substantially responsive, the Procuring agency/Employer 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 | <p>Provided that a Technical Bid is substantially responsive, the Procuring agency/Employer 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.</p> |
| | 30.7 | <p>If a bid is not substantially responsive, it will be rejected by the Procuring agency/Employer and may not subsequently be evaluated for complete technical responsiveness.</p> |

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| 31. Examination of Terms and Conditions; Technical Evaluation | 31.1 | <p>The Procuring agency/Employer shall examine the bid to confirm that all terms and conditions specified in the GCC and the SCC have been accepted by the bidder without any material deviation or reservation. For this purpose:</p> <p>“Deviation” means departure from the requirements specified in the Bidding Document.</p> <p>“Reservation” means setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Document.</p> |
| | 31.2 | <p>The Procuring agency/Employer shall evaluate the technical aspects of the bid submitted in accordance with ITB 31, to confirm that all requirements specified in Section V – Works Requirement, Technical Specifications of the Bidding Documents have been met without material deviation or reservation.</p> |
| | 31.3 | <p>If after the examination of the terms and conditions and the technical evaluation, the Procuring agency/Employer determines that the bid is not substantially responsive in accordance with ITB 30, it shall reject the bid.</p> |
| 32. Correction of Arithmetic Errors | 32.1 | <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"> 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/Employer there is an obvious misplacement of the decimal point in the unit price, in which the total price as quoted shall govern and the unit price shall be corrected; b) if there is an error in a total corresponding to the addition or subtraction of sub-totals, the sub-totals shall prevail, and the total shall be corrected; and c) where there is a discrepancy between the amounts in figures and in words, the amount in words will govern. d) Where there is discrepancy between grand total of price schedule and amount mentioned on the Form of Bid, the amount referred in Price Schedule shall be treated as correct subject to elimination of other errors. |
| | 32.2 | <p>The amount stated in the Bid will be rectified by the Procuring agency/Employer 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</p> |

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| | | 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 ITB 19.9 . |
| 33. Conversion to Single Currency | 33.1 | 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. |
| | 33.2 | To facilitate evaluation and comparison, the Procuring agency/Employer 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 BDS . |
| 34. Evaluation of Bids | 34.1 | The Procuring agency/Employer shall evaluate and compare only the bids determined to be substantially responsive, pursuant to ITB 30 . |
| | 34.2 | In evaluating the Technical Proposal of each Bid, the Procuring agency/Employer shall use the criteria and methodologies listed in the BDS 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"> 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. b) price adjustment for correction of arithmetic errors in accordance with ITB 32.1; |

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| | | c) converting the amount resulting from applying (a) and (b) above, if relevant, to a single currency in accordance with ITB 33 ; |
| | 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 BDS . |
| | 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>Explanation: <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> |

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| 35. Domestic Preference | 35.1 | If the BDS so specifies, the Procuring agency/Employer 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. |
| 36. Determination of Most Advantageous Bid | 36.1 | The Procuring agency/Employer shall compare the evaluated bids in accordance with the predefined bidding procedure, of all substantially responsive bids to determine the Most Advantageous bidder. |
| 37. Qualification of Bidder | 37.1 | <p>The Procuring agency/Employer 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><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 ITB 12 . |
| | 37.3 | Prior to contract award, the Procuring agency/Employer will verify that the successful bidder (including each member of a JV) is not blacklisted/debarred. The Procuring agency/Employer will conduct the same verification for each sub-contractor proposed by the successful bidder. |
| 38. Sub-Contractors | 38.1 | Deleted/Not Applicable/Not Used |
| | 38.2 | Deleted/Not Applicable/Not Used |

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| 39. Abnormally Low Financial Bid | 39.1 | <p>Where the bid price is considered to be abnormally low, the Procuring agency/Employer 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"> a) The Procuring agency/Employer may reject a bid if the Procuring agency/Employer 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; b) Before rejecting an abnormally low bid the Procuring agency/Employer 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; c) The decision of the Procuring agency/Employer to reject a bid and reasons for the decision shall be recorded in the procurement proceedings and promptly communicated to the bidder concerned; d) The Procuring agency/Employer shall not incur any liability solely by rejecting abnormally bid; and 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. <p>Guidance for Procuring agency/Employer: 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"> (i) Comparing the bid price with the cost estimate; (ii) Comparing the bid price with the bids offered by other bidders submitting substantially responsive bids; and (iii) Comparing the bid price with prices paid in similar contracts in the recent past either government- or development partner-funded. |
| | 39.2 | <p>The Procuring agency/Employer 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 ITB 12</p> |
| | 39.3 | <p>The determination will take into account the bidder's financial and technical capabilities. It will be based upon an examination of the documentary evidence of the bidder's qualifications submitted by the bidder, pursuant to ITB 12, as well as such other information as the</p> |

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| | | Procuring agency/Employer 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/Employer 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>Explanation:</i> <i>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 awarding the contract to the bidder. A negative determination will result in rejection of the bidder's bid, in which event the Procuring agency/Employer will proceed to the next ranked bidder to make a similar determination of that bidder's capabilities to perform satisfactorily. |

F. AWARD OF CONTRACT

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| 40. Criteria of Award | 40.1 | <p>Subject to ITB 36 and 37, the Procuring agency/Employer 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"> a) eligible in accordance with the provisions of ITB 3; b) is determined to be qualified to perform the Contract satisfactorily; and c) Successful negotiations have been concluded, if any. |
| 41. Negotiations | 41.1 | <p>The Committee of the Procuring agency/Employer may negotiate with the Most Advantageous Bidder relating to the following areas:</p> <ul style="list-style-type: none"> (a) a minor alteration to the technical (drawings, design technical specifications) details of the statement of works; (b) Methodology, work plan, staffing with a view to streamline the work; (c) a minor amendment to the special conditions of Contract; (d) finalizing payment arrangements; (e) clarifying details that were not apparent or could not be finalized at the time of Bidding; |
| | 41.2 | Where negotiation fails to result into an agreement, the Procuring agency/Employer may invite the next ranked bidder for negotiations. Where negotiations are commenced with the next ranked bidder, the Procuring agency/Employer shall not reopen earlier negotiations. |

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| 42. Procuring agency/Employer's Right to reject All Bids | 42.1 | Notwithstanding ITB 37 , the Procuring agency/Employer reserves the right to reject all the bids, and to annul the bidding process at any time prior to acceptance of bid, without thereby incurring any liability to the affected bidder(s). However, the Authority (i.e. PPRA) may call from the Procuring agency/Employer the justification of those grounds. |
| | 42.2 | Notice of the rejection of all bids shall be given promptly to all bidders that have submitted bids. |
| | 42.3 | The Procuring agency/Employer shall upon request communicate to any bidder the grounds for its rejection of its bids but is not required to justify those grounds. |

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| 43. Variations | 43.1 | <p>The Engineer shall make any variation in the quantity of the Works or any part thereof 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"> a) increase or decrease the quantity of any work included in the Contract, b) omit any such work (but not if the omitted work is to be carried out by the Employer or by another contractor), c) change the character or quality or kind of any such work, d) change the levels, lines, position and dimensions of any part of the Works, e) execute additional work of any kind necessary for the completion of the Works, or f) change any specified sequence or timing of construction of any part of the Works. <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 ITB 15. 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> |
| 44. Instructions for variations | 44.1 | <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> |
| 45. Valuation of Variations | 45.1 | <p>All variations and any additions to the Contract Price which are required to be determined in accordance with ITB 15 (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/Employer 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 ITB 15.</p> |

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| 46. Notification of Award | 46.1 | Prior to the award of contract, the Procuring agency/Employer 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/Employer 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/Employer shall not award any procurement contract for 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/Employer 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 ITB 48 and signing of the contract in accordance with ITB 47 . |
| | 46.4 | Upon the successful bidder's furnishing of the performance security (or guarantee) pursuant to ITB 48 , the Procuring agency/Employer 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 ITB 19 . |
| 47. Signing of Contract | 47.1 | Promptly after notification of award, Procuring Agency/ Employer shall send the successful bidder the draft agreement, incorporating all terms and conditions as agreed by the parties to the contract. |
| | 47.2 | Immediately after the Redressal of grievance by the GRC, and after fulfillment of all conditions' precedent of the Contract Form, the successful bidder and the Procuring Agency/ Employer shall sign the contract. |
| | 47.3 | Where no formal signing of a contract is required, work order issued to the bidder shall be construed to be the contract. |
| 48. Performance Security (or Guarantee) | 48.1 | After the receipt of the Letter of Acceptance, the successful bidder, within the specified time, shall deliver to the Procuring agency/Employer a Performance Guarantee in the amount and in the form stipulated in the BDS and SCC , denominated in the type and proportions of currencies in the Letter of Acceptance and in accordance with the Conditions of Contract. |
| | 48.2 | If the Performance Guarantee is provided by the successful bidder and it shall be in the form specified in the BDS which shall be in any of the following: (a) certified cheque, cashier's or manager's cheque, or bank draft; |

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| | | <p>(b) irrevocable letter of credit issued by a scheduled bank of Pakistan 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 of Pakistan;</p> <p>(c) bank guarantee confirmed by a reputable local bank or, in the case of a successful foreign bidder, bonded by a foreign bank; or</p> <p>(d) surety bond callable upon demand issued by any reputable surety or insurance company.</p> <p>Any Performance Guarantee submitted shall be enforceable in Pakistan.</p> |
| | 48.3 | Failure of the Most Advantageous Bidder to comply with the requirement of ITB 47 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security or declare blacklisted (in case bid securing declaration is submitted) in which event the Procuring agency/Employer may make the award to the next most advantageous bidder or reinitiate the procurement process afresh (as a case may be). |
| 49. Advance Payment | 49.1 | Deleted/Not Applicable/Not Used |
| | 49.2 | Deleted/Not Applicable/Not Used |
| 50. General Performance of the Bidders | 50.1 | The Procuring agency/Employer reserves the right to obtain information regarding performance of the bidders on their previously awarded contracts / works. The Procuring agency/Employer may seek information / report from the previous employer for consideration. However, the Procuring agency/Employer shall incorporate such parameters in the evaluation criteria and accordingly decide the fate of the bid submitted. |
| 51. Corrupt & Fraudulent Practices | 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. |

F. GRIEVANCE REDRESSAL & COMPLAINT REVIEW MECHANISM

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| 52. Constitution of Grievance Redressal | 52.1 | Procuring agency/Employer 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. |
| 53. GRC Procedure | 53.1 | 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. |
| | 53.2 | Any bidder feeling aggrieved by any act of the Procuring agency/Employer after the submission of his bid may lodge a written |

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| | | 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. |
| | 53.3 | In case, the complaint is filed against the technical evaluation report, the GRC shall suspend the procurement proceedings. |
| | 53.4 | 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. |
| | 53.5 | The GRC, in both the cases shall investigate and decide upon the complaint within ten days of its receipt. |
| | 53.6 | Any bidder or the Procuring agency/Employer 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. |
| | 53.7 | 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. |
| | 53.8 | The committee shall call the record from the concerned Procuring agency/Employer or the GRC as the case may be, and the same shall be provided within prescribed time. |
| | 53.9 | 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. |
| | 53.10 | 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. |

G. MECHANISM OF BLACKLISTING

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| 54. Mechanism of Blacklisting | 54.1 | <p>The Procuring agency/Employer 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:</p> <p>Involved in corrupt and fraudulent practices as defined in Rule-2 of Public Procurement Rules;</p> <ul style="list-style-type: none"> i) Fails to perform his contractual obligations; and ii) Fails to abide by the id securing declaration; |
| | 54.2 | <p>The show cause notice shall contain: (a) precise allegation, against the bidder or contractor; (b) the maximum period for which the Procuring agency/Employer 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/Employer to make a request to the Authority for debarring the bidder or contractor from participating in public procurements of all the procuring agencies.</p> |
| | 54.3 | <p>The Procuring agency/Employer shall give minimum of seven days to the bidder or contractor for submission of written reply of the show cause notice.</p> |
| | 54.4 | <p>In case, the bidder or contractor fails to submit written reply within the requisite time, the Procuring agency/Employer may issue notice for personal hearing to the bidder or contractor/ authorize representative of the bidder or contractor and the Procuring agency/Employer shall decide the matter on the basis of available record and personal hearing, if availed.</p> |
| | 54.5 | <p>In case the bidder or contractor submits written reply of the show cause notice, the Procuring agency/Employer may decide to file the matter or direct issuance of a notice to the bidder or contractor for personal hearing.</p> |
| | 54.6 | <p>The Procuring agency/Employer shall give minimum of seven days to the bidder or contractor for appearance before the designated officer of the Procuring agency/Employer 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> |

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| | 54.7 | The Procuring agency/Employer 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. |
| | 54.8 | The Procuring agency/Employer 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. |
| | 54.9 | Such blacklisting or barring action shall be communicated by the Procuring agency/Employer 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. |
| | 54.10 | 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. |
| | 54.11 | 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. |
| | 54.12 | 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 |
|--------------------------|-------------------|--|
| A. Introduction | | |
| 1. | 1.1 | <p>Name of Procuring Agency/Employer: <i>Jamshoro Power Company Limited (JPCL), a company incorporated and existing under the laws of the Islamic Republic of Pakistan, having its principal place of business at Mohra Jabal, Dadu Road, Jamshoro, Pakistan</i></p> <p>The subject of procurement is: “New construction of 08 Nos. Watch Towers03 Nos. Security Check Posts, M&R of 14 Nos. W. Towers & 02 Nos. Washrooms in Residential Colony and Powerhouse TPS, Jamshoro as per Schedule of Requirement, Section-V of the Tender Document”</p> <p>Period for completion of the works: <i>Within 120 days from the date of commencement which shall be mentioned in notice to commence “NTC”</i></p> <p>Commencement date execution of the works: <i>Within seven (7) days of issuance of “Work Order”</i></p> <p>Type of Procurement: <i>National competitive bidding Single Stage One Envelope (SSOE) procedure by using “Least Cost Based Selection (LCBS)” Technique.</i></p> |
| 2. | 2.1 | <p>Financial year for the operations of the Procuring agency/Employer: <i>Financial year 2025-26</i></p> <p>Name of Project “New construction of 08 Nos. Watch Towers03 Nos. Security Check Posts, M&R of 14 Nos. W. Towers & 02 Nos. Washrooms in Residential Colony and Powerhouse TPS, Jamshoro as per Schedule of Requirement, Section-V of the Tender Document”</p> <p>Name of financing institution: <i>JPCL own funds</i></p> <p>Name and identification number of the Contract:</p> |

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| | | TNCB-20/CIVIL/W.TOWER/JPCL/2025 |
| 3. | 3.1 | <p>This Clause ITB.3 is substituted with the following:</p> <p><i>Bidding is open to all firms and contractors meeting requirements and satisfying all relevant licensing and/or registration with the appropriate statutory bodies in Pakistan as prescribed in IB.3 and listed below;</i></p> <p>(a) The Bidder must be financially and technically sound - capable to perform the contract:</p> <p>(b) <i>Duly Licensed and renewed by PEC for FY 2025-26 in the appropriate category for value of the Works in the financial category of C-6 & above and Technical Category of CE-10.</i></p> <p>(c) Registered and be on active taxpayer list of the (FBR) <i>and registration with Sindh Revenue Board (SRB)</i></p> <p>(d) Registered with (S&EC) or Registrar of Firms / Submission of Affidavit for Sole Proprietorship on Judicial e-Stamp Paper of Rs.200/-</p> <p>(e) An affidavit to the effect that the Bidder is not blacklisted or debarred.</p> |
| 4. | 3.1 | Maximum number of members in the joint venture, consortium shall be: <i>Not Allowed/Permitted</i> |

B. Bidding Documents

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| 5. | 7.2 | <p>The number of copies to be completed and returned</p> <p>Uploading on EPADS and Original <i>copy must be submitted to PA. In case of any discrepancy, EPADS shall prevail.</i></p> |
| 6. | 8.1 | <p>The address for clarification of Bidding Documents is</p> <p>EPADS</p> |
| | 8.5 | <p>Pre-bid meeting/Site visit will be held:</p> <p><i>Pre -bid meeting will take place at 1130 Hrs. on Wednesday, 08 October 2025 at JPCL Conference Room, 1st Floor, Main Admin Building, Mohra Jabal, Sehwan-Dadu Road, Indus Highway, TPS Jamshoro and can be joined through Zoom, the link of which shall be shared through JPCL website.</i></p> |

C. Preparation of Bids

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| 7. | 10.1 | The Language of all correspondences and documents related to the Bid is: English <i>language</i> |
| 8. | 11.1 (i) | <p>In addition to the documents stated in ITB 11, the following documents must be included with the Bid</p> <ul style="list-style-type: none"> • Covering Letter • Scanned copy of Original Bid Security uploaded on EPADS and Original submitted with PA within submission deadlines. |

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| | | <ul style="list-style-type: none"> • One sealed hard copy of Bidding Document for ease of evaluation and reference & record • Power of Attorney, if any • Documents establishing bidder's Eligibility and Qualification information. • Documents establishing conformity of work to the bidding documents |
| 9. | 11.5 | <p>Other procurement specific documentation requirements are:</p> <ul style="list-style-type: none"> • Work Plan & Schedule (Detailed construction timelines and methodology) • Material Test Reports (<i>Quality assurance for Bricks, Cement, Sand (Fine aggregate) etc.</i>) • Safety Plan (worker safety measures etc.) |
| 10. | 15.5 | <p>The bid price shall be adjusted in accordance with Appendix A – Formula for Price Adjustment.</p> <p>Not Applicable</p> |
| 11. | 15.6 | <p>Name of the works <i>"New construction of 08 Nos. Watch Towers in Residential Colony and Powerhouse TPS, Jamshoro as per Schedule of Requirement, Section-V of this Tender Document"</i></p> <p>The identification No. The No. and identification of lots (contracts) comprising this open competitive bid TNCB-20/CIVIL/W.TOWER/JPCL/2025_____</p> |
| 12. | 16.1 | The currency of the Bid shall be Pakistani Rupee |
| 13. | 18.1 | The Bid Validity period shall be 80 days. |
| 14. | 19.1 | <p>The amount of Bid Security shall be</p> <p>The amount of Bid Security shall be 5% of estimated cost. The bid security shall remain valid twenty-eight (28) days after the bid validity period and the scanned copy uploaded on EPADS and original submitted with JPCL before bid submission deadlines.</p> <p>The currency of the Bid Security shall be: Pakistani Rupee</p> |
| 15. | 19.3 | <p>The Bid Security shall be in the form of: <i>CDR (Call Deposit Receipt), or Bank Guarantee enforceable in Pakistan</i></p> |
| 16. | 19.3 (c) | Other forms of security are: Not Applicable |
| 17. | 20.1 | Alternative Bids to the requirements of the Bidding Documents will not be permitted. |
| 18. | 20.2 | If alternative scheduled for execution of work is explicitly invited (please insert the method for evaluation of different schedules for execution of works) |

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| | | Not Applicable |
| 19. | 22.1 | The number of copies of the Bid to be completed and returned Bid must be uploaded on EPADS and <i>Original submitted with PA.</i> <i>In case of any discrepancy, EPADS shall prevail</i> |
| 20. | 22.2 | The written confirmation of authorization to sign on behalf of the Bidder shall consist of: <i>Duly notarized Power of Attorney authorizing the signatory of the Bidder to submit the Bid with CNIC No., Cell. No. Address and the identification deemed necessary by the Procuring Agency</i> |

D. Submission of Bids

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| 21. | 23.2 (a) | Bid shall be submitted Uploaded on EPADS and copy submitted with PA with Statement “DO NOT OPEN BEFORE DEADLINE” To: <i>Office of Chief Engineer/Project Director PIU, 660MW, Jamshoro Coal Fired Power Project, Mohra Jabal, Dadu Road, Indus Highway, Jamshoro, Sindh-Pakistan</i> |
| 22. | 23.2 (b) | Title of the subject Procurement or Project name: “New construction of 08 Nos. Watch Towers 03 Nos. Security Check Posts, M&R of 14 Nos. W. Towers & 02 Nos. Washrooms in Residential Colony and Powerhouse TPS, Jamshoro as per Schedule of Requirement, Section-V of the Tender Document” ITB title and No: TNCB-20/CIVIL/W.TOWER/JPCL/2025 |
| 23. | 24.1 | The deadline for Bid submission is a) Day: Thursday b) Date: 16-10-2025 c) Time: 1130Hrs. |

E. Opening and Evaluation of Bids

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| 24. | 27.1 | The Bid opening shall take place at: Bids will be opened at JPCL Conference Room, 1 st Floor, Main Admin Building, Mohra Jabal, Dadu Road, Indus Highway TPS Jamshoro. <i>Day: Thursday Date: 16-10-2025 Time: 1200Hrs.</i> |
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| | | <i>In case of any gazetted holiday, unforeseen reasons, unrest or force majeure, or gazetted holiday which may cause delay on the bid opening date, the bids shall be opened on the next working day at the same place and time.</i> |
| 25. | 33.2 | <p>The currency that shall be used for Bid evaluation and comparison purposes to convert all Bid prices expressed in various currencies is: <i>Pakistani Rupees</i></p> <p>The source of exchange rate shall be: NBP/SBP</p> <p>The date of exchange rate shall be:</p> <p><i>The date of Financial Bid Opening</i></p> |
| 26. | 33.3 | The bids shall be quoted in <i>Pakistani Rupee abbreviated as PKR. Its symbol is Rs.</i> |
| 27. | 34 | <p>Evaluation Techniques</p> <p>Least Cost Based Selection (LCBS)</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 (50%)), shall be evaluated for Technical Proposal and having lowest evaluated cost (or financial proposal) shall be considered highest ranked bid (The most Advantageous Bid)</p> |
| 28. | 34 | <p>Specific criteria in case evaluating the bids submitted by JVs and consortium to be used in the evaluation and their evaluation method or reference to the Technical Specifications.</p> <p>Not Applicable</p> |
| 29. | 34 | In case of 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 " combined lot as a package " and bids will be evaluated on a package basis and partial bids for individual items will not be entertained as detailed in Section-V, "Evaluation". |
| 30. | 35 | Domestic preference Not Applicable. |
| 31. | 38.2 | <p>Sub-contracting (please insert percentage) of the total value of the contract.</p> <p>Maximum percentage that can be subcontracted, ranges from 20% to 30%. Only non-critical or specialized tasks can be subcontracted to specific experienced sub-contractors for specialized works with prior approval of the client with condition that the main contractor retains the full responsibility of the quality and timeline.</p> <p>(Deleted/Not Applicable/Not Used)</p> |
| F. Award of Contract | | |
| 32. | 48 | The Performance Security (or guarantee) shall be an <i>amount up to 10 percent of the Contract Price</i> |
| 33. | 48 | The Performance Security (or guarantee) shall be in the form of: <i>CDR /Bank Guarantee</i> enforceable in Pakistan for entire contract |

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| | | period up to Defects Notice Period “DNP”/Defects Liability Period “DLP” |
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G. Review of Procurement Decisions

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| 34. | 53.6 | The Address of PPRA to submit a copy of appeal: Grievance Redressal Appellate Committee, Public Procurement Regulatory Authority 1 st Floor, G-5/2, Islamabad, Pakistan Tel: +92-51-9202254 |
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Section IV. 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**
- **WORKS REQUIREMENT, TECHNICAL SPECIFICATIONS, DRAWINGS, SUPPLEMENTARY INFORMATION AND BILL OF QUANTITIES**

Evaluation and Qualification Criteria

[The Procuring agency/Employer shall evaluate the bids in accordance with predefined evaluation and qualification criteria mentioned in this document. No other factors, methods or criteria shall be used. The Bidder shall provide all the information requested in the forms included in the Bidding Forms.]

EVALUATION:

In addition to the criteria listed in **ITB 34.3** the following criteria shall be applied for the evaluation of bids:

Assessment of adequacy of Technical Proposal with Requirements

Evaluation of the Bidder's Technical Proposal will include an assessment of the Bidder's technical capacity to mobilize key equipment and personnel for the contract consistent with its proposal regarding work methods, scheduling, and material sourcing in sufficient detail and fully in accordance with the requirements stipulated in Section-V "Works Requirements".

Award Criteria for Package:

Bidders are required to submit a proposal for the entire package. The evaluation of bids will be conducted for all lots as a whole package. The package will be treated as a single entity during the evaluation process. The contract will be awarded to the Bidder offering the most advantageous bid to the Procuring agency/Employer for whole package, subject to the selected Bidder meeting the required eligibility & qualification criteria. The evaluation of such combined lots typically follows a well-defined process to ensure transparency, fairness, and compliance with PPRA regulations. Below is an evaluation criterion for the whole package, state explicitly that bids will be evaluated on a whole package basis and partial bids for individual items will not be entertained.

Evaluation Process

(a) Technical Evaluation

Evaluate the technical compliance of bids against the criteria mentioned in the bidding document. This may include: Conformance to specifications for all items in the package. The evaluation will also include an assessment of the Bidder's capacity to meet the following aggregated requirements as presented in the bid: "Eligibility and Qualification Criteria"

The bids that fail to meet technical criteria for any item in the combined package will render to be disqualified.

(b) Financial Evaluation

Evaluate only technically qualified bids.

Calculate the total package cost by summing up the prices of all items in the lot. The evaluation focuses on the combined total cost rather than individual item costs. Apply any discounts or adjustments offered by bidders for the combined lot. The package is evaluated as a whole, and one bidder is awarded the entire package.

Lowest Evaluated Bidder Selection

The contract award will be to the bidder, offering the lowest evaluated cost for the entire package, provided the bid meets all other requirements of eligibility, technical responsiveness and qualifications.

ELIGIBILITY OF BIDDERS

The Procuring Agency shall utilize this criterion for Eligibility of the bidders.

[Bidder must be responsive in all categories described in the eligibility criteria. Noncompliance of any of the requirements mentioned in eligibility criteria will make the bid non-responsive.]

| Sr. No | Parameters | Conformance Requirements for Verification |
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| 1. | Nationality: <i>Pakistan national or from eligible country national having Registration/ Incorporation/ Business Certificate and number of business years in Pakistan with Complete Company profile.</i> | Forms T-2, with attachments of relevant Certificate of incorporation / registration |
| 2. | Conflict of Interest: <i>The Procuring Agency considers a conflict of interest to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations. The Procuring Agency will take appropriate actions to manage such conflicts of interest, which may include rejecting a proposal for award if it determines that a conflict of interest has flawed the integrity of any procurement process. At the time of bidding, a Bidder may be in a conflict of interest with one or more parties in the bidding process if a Bidder participates in more than one bid in the bidding process, this will make the Bidder as non-responsive</i> | Forms T-1, Letter of Bid |
| 3. | Blacklisting: <i>Affidavit to the effect that not blacklisted and rendered ineligible for corrupt and Fraudulent practices by any Government (Federal, Provincial or Local) or a public sector organization/Division/ Ministry.</i> | Form T-15 Declaration on notarized paper that the firm/ contractor is not blacklisted in any dept. / organization |
| 4. | Eligibility throughout the Contract Period. <i>The Bidder shall provide evidence of their continued eligibility and satisfaction to the Procuring Agency, as the Procuring Agency shall reasonably request. Also, an undertaking in accordance with Form –T-15 of these Bidding Documents</i> | Form T-15 Declaration on letterhead by the firm/contractor |
| 5. | Bidder be a Taxpayer Possessing NTN Certificate/SRB Certificate, On Active Taxpayers List of FBR. | Attach Certificates / relevant documents |
| 6. | Only One Bid Submission by any Bidder: <i>A bidder shall submit only one bid in this bidding process, A bidder who submits or participates in more than one bid will cause all the Bids in which the bidder has participated to be ineligible.</i> | Form T-1 Letter of Bid |
| 7. | Non-conformance & Eligibility: <i>Any Bidder who is working with JPCL and has not completed the awarded work within specified period and the reasons of delay/non-completion are attributable to contractor(s), will not be eligible to participate in this tender.</i> | JPCL record of Tenders and award of work orders will be referred to verify. |
| 8. | Pending Litigation: <i>All pending litigation shall be treated as resolved against the Bidder and so shall in total not represent more than fifty (50) percent of the Bidder's net worth.</i> | Forms T-5 |

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| 9. | Un-conditional Bid <i>The Successful Bidder shall comply with all the terms and conditions of the bidding documents. The Bidder who submits the Conditional Bid will be declared as non-responsive.</i> | Forms T-1 Letter of Bid |
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QUALIFICATION REQUIREMENT

Credit Marks shall be awarded, based on the following qualifications: minimum requirements of 40% score in each category are mandatory. Cumulatively, securing 50% marks is must for qualifying for Technical Evaluation. The bidders are required to attach evidence against each statement where necessary.

| Sr. No. | Description Qualification Criteria | Submission Requirements for Verification | Max. Points/ Marks | Evaluators' Assessment |
|---------|---|--|--------------------|------------------------|
| 1.0 | General and Specific Experience | | | |
| 1.1 | <p>Projects of similar nature and complexity have been completed over the last 10 years (Mention any three, each carries 5 marks)</p> <p>Or</p> <p>Participation as Prime contractor, management contractor, or subcontractor, in at least two (2) contracts within the last three (3) years, each with a value of at least PKR 10Million that have been successfully or substantially completed and that are similar to the proposed works.</p> <p><i>The similarity herein means and requires Watch Towers/Boundary walls and/or Building works.</i></p> | Form T-11 | 15 | |
| 1.2 | <p>Projects of similar nature and complexity in hand (Currently)</p> <p><i>The similarity herein means and requires Watch Towers/Boundary walls and/or Building works.</i></p> | Attach evidence with Form T-12 | 10 | |
| 1.3 | <p>Experience of Works related to civil projects over last ten years (Mention any five each carries one (1) mark) or</p> <p>Experience under construction contracts in the role of contractor, subcontractor, or management contractor for, at least five in the last five years prior to the applications submission deadline.</p> | Form T-11 | 5 | |

| | | | | |
|-----------|---|--|-----|--|
| 1.4 | History of Non-performance of a contract did not occur because of contractor default since last three years. | Form T-5 | 5 | |
| Sub-total | | | 35 | |
| 2.0 | Personnel Capabilities | | | |
| 2.1 | Graduate Civil Engineer(s) Registered with PEC and employed with the Firm. Total Experience of Engineer(s) in number of years | Form T-3 Form T-4 | | |
| 2.1.1 | 5 plus Years Experience | Attach CVs. & Enroll | 9 | |
| 2.1.2 | 3 - <5 Years Experience | | 6 | |
| 2.1.3 | 2 Years Experience | | 3 | |
| 2.1.4 | Less than 2 Years Experience | | Nil | |
| 2.2 | Number of Diploma Civil Engineer(s) in Employment of the Firm. Total Experience of Engineers in number of Years | Form T-3 Form T-42 | | |
| 2.2.1 | 5 plus Years Experience | Attach CVs. & Enroll | 6 | |
| 2.2.2 | 3 - <5 Years Experience | | 4 | |
| 2.2.3 | 2 Years Experience | | 2 | |
| 2.2.4 | Less than 2 Years Experience | | Nil | |
| Sub-total | | | 15 | |
| 3.0 | Machinery/Equipment Capabilities | | | |
| 3.1 | Surveying & Measurement Tools | | | |
| 3.1.1 | Total Station | Form of Equipment detail (given in Annexure of Form T-1 of Technical Proposal) | 3 | |
| 3.1.2 | Laser Level/Plumb Bob | | | |
| 3.1.3 | Measuring Tape | | | |
| 3.2 | Material Handling Equipment | | | |
| 3.2.1 | Concrete Mixer Machine | | 6 | |
| 3.2.2 | Mortar Mixer Machine | | | |
| 3.2.3 | Wheelbarrows/Trolleys | | | |
| 3.3 | Cutting and Shaping Tool | | | |
| 3.3.1 | Masonry Saw | | 3 | |
| 3.3.2 | Angle Grinder | | | |
| 3.3.3 | Chisels/Hammers | | | |
| 3.4 | Compaction and Finishing Equipment | | | |
| 3.4.1 | Plate Compactor/Vibrator | | 8 | |
| 3.4.2 | Excavator for digging, trenching, and removing earth or debris. | | | |
| 3.4.3 | Tipper Truck (Dumper)/Tractor Trolley to transport materials like soil, gravel or debris to and from the construction site | | | |
| 3.4.4 | Water Tanker/Bowser to Spray water for soil compaction, dust control, or curing brick and concrete. | | | |

| | | Sub-total | 20 | |
|-------|---|---|-----------|--|
| 4.0 | Financial Position | Form T-6: Financial Resources | | |
| 4.1 | Available Bank Credit Line or Bank/ cash balance as per Audited Financial Statement/paid up FBR returns/ Bank Statements | | | |
| 4.1.1 | 15.0Million and above | | 5 | |
| 4.1.2 | 10.0 to <15.0Million | | 3 | |
| 4.1.3 | 5.0 to <10.0Million | | 2 | |
| 4.1.4 | Less than 5.0Million | | Nil | |
| 4.2 | Working Capital; Total Current Asset (-) Total Current Liabilities Bidder has adequate sources of finance to meet the cash flow requirements for works currently in progress and for future contract commitments. Audited balance sheets and income statements, to demonstrate the current soundness of Bidder's financial position. . | Form T-6 with attachments of audited balance sheets/ other financial statements for the last three (3) years to demonstrate the current financial soundness | | |
| 4.2.1 | 15.0Million and above | | 10 | |
| 4.2.2 | 10.0 to <15.0Million | | 6 | |
| 4.2.3 | 5.0 to <10.0Million | | 4 | |
| 4.2.4 | Less than 5.0Million | | Nil | |
| 4.3 | Average Annual Construction Turnover Calculated as total certified payments received for construction contracts in progress or completed, within the best three years out of the last ten fiscal years | Form T-6 & T-7 | | |
| 4.3.1 | 20.0Million and above | | 15 | |
| 4.3.2 | 10 to <20Million | | 9 | |
| 4.3.3 | 5.0Million to <10.0Million | | 6 | |
| 4.3.4 | Less than 5.0Million | | Nil | |
| | | Sub-total | 30 | |

In order to substantiate the above qualification, the bidders must submit requisite information /certificates from clients (end-user certificates) for all number of projects specified above. A failure or omission of submitting the certificates at the first instance, shall be considered a minor, non-material omission and shall be subject to clarification. The bidder must submit the necessary documents within the stipulated time.

LEGAL REQUIREMENTS

| | | |
|--|-----------|--|
| Legal Requirements | | |
| On Active Taxpayers List of FBR and SRB | Mandatory | |
| Sindh Sales Tax Registration Certificate of SRB | Mandatory | |
| NTN Registration Certificate | Mandatory | |
| Firm is not Blacklisted | Mandatory | |
| Bid Validity as per BDS i.e. 80 days | Mandatory | |
| Bid security CDR (Original), Pay Order/unconditional Bank Guarantee enforceable in Pakistan to be placed in Technical Proposal. | Mandatory | |
| NOTE: Any firm which is not able to furnish mandatory document will be considered disqualified | | |
| Total Technical Marks | 100 | |
| Overall Qualification Marks | 50 | |

Scope of Works

The Procuring Agency as defined in the Bidding Data (**“Jamshoro Power Company Limited Jamshoro”**) wishes to receive Bids for the Works summarized in the Bidding Data

“New construction of 08 Nos. Watch Towers 03 Nos. Security Check Posts, M&R of 14 Nos. W. Towers & 02 Nos. Washrooms in Residential Colony and Powerhouse TPS, Jamshoro as per Schedule of Requirement, Section-V of the Tender Document”

The bidder shall closely study specifications in detail and scope of work which govern the rates for which he is quoting. The Bidders shall offer the whole Works based on the Bill of Quantities. Based on priced bill of quantities submitted by the Bidder, the Employer will award the whole of the work to the lowest substantial responsive bidder. Any Bid covering partial scope of work will be rejected as non-responsive.

All duties, taxes (15% SST -SRB) & Stamp duty @0.35% of estimation, shall be payable by the bidder/Contractor under the Contract.

All investments, operating expenses, incidentals, insurance, overheads, carriages, tools and plants etc. as may be required upon execution and completion of works, shall also be included in the rates, prices and total Bid price submitted by the bidder.

However, such duties, taxes, levies etc. which are notified after the last date of submission of Bid and/or any increase over the rate existing on the last date of submission of Bid, shall be reimbursed by the company on production of documentary evidence in support of payment actually made to the concerned authorities.

Similarly, if there is any decrease in such duties, taxes and levies the same shall become recoverable from the contractor. The details of such duties, taxes and other levies along with rates shall be declared by the bidder.

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 work to be carried out. 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 work 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 work, 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.

WORK REQUIREMENT/BILL OF WORKS

| | |
|--------------|--|
| Name of Work | NEW CONSTRUCTION OF 08 NO's WATCH TOWER IN RESIDENTIAL COLONY AND POWER HOUSE TPS, JAMSHORO |
|--------------|--|

Details of Work/Bill of Work (BoW):

| ABSTRACT OF COST | | | | | |
|---|--|-------------|------------|---------------|----------------|
| Part-A (Construction of 08 No's Watch Tower) | | | | | |
| S# | NAME OF ITEM | UNIT | QTY | RATE | AMOUNT |
| 01. | Excavation in single or gravel formation and rock not requiring blasting undressed lead up to 50m. (Dry) (WCSR-P-2022 P-2-1/4(a)) | Cum | 86.64 | Rs. 704.95 | Rs. 61,076.87 |
| 02. | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) without shuttering. 1:4:8 (WCSR-2022 P-5-1 I-2(d)) | Cum | 93.68 | Rs. 8,665.60 | Rs. 811,793.41 |
| 03. | Bricks work in foundation and plinth in cement sand mortar. Ratio. 1:6 (WCSR-2022 P-6-1 I-1) | Cum | 20.00 | Rs. 11,076.58 | Rs. 221,531.60 |
| 04. | Bricks work other than building including striking of joints up to 3.0m height in cement sand mortar. Ratio 1:6 (WCSR-2022 P-6-1 I-4) | Cum | 44.96 | Rs. 11,539.40 | Rs. 518,811.42 |
| (b) | Add extra labour in item No. 04 for every 3.0 m additional height. (WCSR-2022 P-6-1 I-5) | Cum | 37.20 | Rs. 12,062.54 | Rs. 448,726.49 |
| 05. | Filling and compacting soil, earth and boulders behind retaining walls (including excavation of soil and lead up to 30m). (WCSR-2022 P-2-5 I-27) | Cum | 14.40 | Rs. 412.70 | Rs. 5,942.88 |
| 06. | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) without shuttering. 1:2:4 (WCSR-2022 P-5-1 I-2(b)) | Cum | 1.20 | Rs. 11,363.05 | Rs. 13,635.66 |
| 07. | Reinforced cement concrete work using coarse sand except the cost of steel reinforcement and its labour for bending and binding. This rate also includes all kinds of forms moulds, lifting shuttering, curing, rendering and finishing the exposed surface (including screening and washing of shingle). (WCSR-2022 P-5-1 P-3(i)) | Cum | 22.40 | Rs. 23,643.87 | Rs. 529,622.69 |
| 08. | Supply and fabrication of intermediate grade deformed reinforcement for R.C.C piles including cutting, bending, laying in position, welding and fastening including cost of binding wire. (a) 40,000psi (WCSR-2022 P-5-3 I-7(a)). | Kg | 3,197.12 | Rs. 311.12 | Rs. 994,687.97 |

| | | | | | |
|-----|---|-----|--------|------------------|----------------------------|
| 09. | Cement Plaster (1:4) upto 6.00 Meter Height 13mm Thick (WCSR-P-2022 /P-10-1/5 (b)) | Sqm | 955.52 | Rs, 374.06 | Rs. 357,421.81 |
| 10. | Weather shield paint three coats on new cement plaster surface. (WCSR-2022 P-10-03/24) | Sqm | 569.20 | Rs. 357.87 | Rs. 203,699.60 |
| 11. | Distempering Two coats (WCSR-2022-P-10-2/16(b)) | Sqm | 428.72 | Rs. 113.00 | Rs. 48,445.36 |
| 12. | Damp proof course with (cement, sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture. 38mm thick (WCSR-2022 P-6-4 I-25 (a)) | Sqm | 32.80 | Rs. 881.12 | Rs. 28,900.74 |
| 13. | Providing & Fixing steel ladder for overhead tank made of angle iron 50 x 50 x 6mm with 15 mm dia MS bars step 375 mm post including side supports of angle iron 50 x 50 x 6mm complete in all respects. (WCSR-2022 P-20-6 I-61) | M | 29.28 | Rs. 9,133.22 | Rs. 267,420.68 |
| 14. | Providing & Fixing steel windows glazed openable of standard Z section frame as per drawing. (WCSR-2022 P-20-3 I-33) | Sqm | 24.00 | Rs. 11,393.15 | Rs. 273,435.60 |
| 15. | Glazing with panes, Glass panes 680 to 737 gm used with deodar wood fillet and putty. (WCSR-2022 P-11-6 I-40(c)) | Sqm | 24.00 | Rs. 1,840.12 | Rs. 44,162.88 |
| 16. | Providing & Fixing steel doors without grill work on outer face of the door as per approved drawing. (WCSR-2022 P-20-3 I-29) | Sqm | 7.20 | Rs.19,286.28 | Rs. 138,861.22 |
| 17. | Panting Doors and Windows Any Type Two Coats. (WCSR-P-12-1/4(c) i+ii) | Sqm | 31.20 | Rs, 363.10 | Rs. 11,328.72 |
| | | | | Total (A) | Rs 4,979,505.60 |

| | | | | | | | | | | | | | |
|--|--|---|---|---|---|-------|---|-------|---|-------|---|-------|-----|
| NAME OF WOR K | <u>ESTIMATE FOR NEW CONSTRUCTION OF 08 NO's WATCH TOWER IN RESIDENTIAL COLONY AND POWER HOUSE TPS, JAMSHORO.</u> | | | | | | | | | | | | |
| <u>DETAIL OF QUANTITY</u> | | | | | | | | | | | | | |
| <u>Part-A (Construction of 08 No's Watch Tower)</u> | | | | | | | | | | | | | |
| S.NO: | DESCRIPTION | | | | | | | | | | | | |
| 01. | Excavation in single or gravel formation and rock not requiring blasting undressed lead upto 50m. (Dry) (WCSR-P-2022 P-2-1/4(a)) | | | | | | | | | | | | |
| | watch tower | 1 | x | 2 | x | 3.394 | x | 0.900 | x | 1.165 | = | 7.12 | Cum |
| | | 1 | x | 2 | x | 1.770 | x | 0.900 | x | 1.165 | = | 3.71 | Cum |
| | | | | | | | | | | Total | = | 10.83 | Cum |
| | | | | | | | | 10.83 | x | 8 | = | 86.64 | Cum |
| | | | | | | | | | | | | | |
| 02. | Cement concrete plain including placing, compacting, finishing and curing complete (including screeing and washing of stone aggregate) without shhuttering. 1:4:8 (WCSR-2022 P-5-1 I-2(d)) | | | | | | | | | | | | |
| | Watch tower Foundation | 1 | x | 2 | x | 3.394 | x | 0.900 | x | 1.165 | = | 7.12 | Cum |
| | | 1 | x | 2 | x | 1.770 | x | 0.900 | x | 1.165 | = | 3.71 | Cum |
| | Flooring groubd floor | 1 | x | 2 | x | 2.000 | x | 2.000 | x | 0.100 | = | 0.80 | Cum |
| | Stair | 1 | x | 1 | x | 0.900 | x | 0.900 | x | 0.100 | = | 0.08 | Cum |
| | | | | | | | | | | Total | = | 11.71 | Cum |
| | | | | | | | | 11.71 | x | 8 | = | 93.68 | Cum |
| | | | | | | | | | | | | | |
| 03. | Bricks work in foundation and plinth in cement sand mortar. Ratio. 1:6 (WCSR-2022 P-6-1 I-1) | | | | | | | | | | | | |
| | 1st Step foundation | 1 | x | 2 | x | 3.394 | x | 0.565 | x | 0.075 | = | 0.29 | Cum |
| | | 1 | x | 2 | x | 1.770 | x | 0.565 | x | 0.075 | = | 0.15 | Cum |
| | 2nd Step foundation | 1 | x | 2 | x | 3.282 | x | 0.490 | x | 0.075 | = | 0.24 | Cum |
| | | 1 | x | 2 | x | 1.770 | x | 0.490 | x | 0.075 | = | 0.13 | Cum |

| | | | | | | | | | | | | | |
|-----|---|---|---|---|---|-------------|---|-------|---|------------------|---|--------------|-----|
| | 3rd Step foundation | 1 | x | 2 | x | 3.170 | x | 0.340 | x | 0.075 | = | 0.16 | Cum |
| | | 1 | x | 2 | x | 1.770 | x | 0.340 | x | 0.075 | = | 0.09 | Cum |
| | 4th Step foundation | 1 | x | 2 | x | 2.000 | x | 0.230 | x | 0.787 | = | 0.72 | Cum |
| | | 1 | x | 2 | x | 2.000 | x | 0.230 | x | 0.787 | = | 0.72 | Cum |
| | | | | | | | | | | Total | = | 2.50 | Cum |
| | | | | | | | | 2.50 | x | 8 | = | 20.00 | Cum |
| | | | | | | | | | | | | | |
| 04. | Bricks work other than building including striking of joints upto 3.0m height in cement sand mortar. Ratio 1:6 (WCSR-2022 P-6-1 I-4) | | | | | | | | | | | | |
| (a) | Ground floor | 1 | x | 2 | x | 2.460 | x | 0.230 | x | 2.886 | = | 3.27 | Cum |
| | | 1 | x | 2 | x | 2.000 | x | 0.230 | x | 2.886 | = | 2.66 | Cum |
| | Stair steps | 1 | x | 1 | x | 0.900 | x | 0.900 | x | 0.150 | = | 0.12 | Cum |
| | | | | | | | | | | Total (A) | = | 6.05 | Cum |
| | <u>Deduction</u> | | | | | | | | | | | | |
| | Door | 1 | x | 1 | x | 0.900 | x | 0.230 | x | 2.100 | = | 0.43 | Cum |
| | | | | | | | | | | Total (B) | = | 0.43 | Cum |
| | | | | | | Total (A-B) | | | | | | | |
| | | | | | | | | 6.050 | - | 0.430 | = | 5.62 | Cum |
| | | | | | | | | 5.62 | x | 8 | = | 44.96 | Cum |
| | | | | | | | | | | | | | |
| (b) | Add extra labour in item No. 04 for every 3.0 m additional height. (WCSR-2022 P-6-1 I-5) | | | | | | | | | | | | |
| | 1st Floor | 1 | x | 2 | x | 2.460 | x | 0.230 | x | 2.515 | = | 2.85 | Cum |
| | | 1 | x | 2 | x | 2.000 | x | 0.230 | x | 2.515 | = | 2.31 | Cum |
| | | | | | | | | | | Total (A) | = | 5.16 | Cum |
| | <u>Deduction</u> | | | | | | | | | | | | |
| | window | 1 | x | 4 | x | 0.115 | x | 0.230 | x | 2.460 | = | 0.26 | Cum |
| | Lintel Beam | 1 | x | 4 | x | 0.230 | x | 0.230 | x | 1.200 | = | 0.25 | Cum |
| | | | | | | | | | | Total (B) | = | 0.51 | Cum |

| | | | | | | | | | | | | | |
|-----|--|---|---|------|---|------------------|----------|------------|---|-------|---|-------|-----|
| | | | | | | Total (A-B) = | | 5.160 | - | 0.510 | = | 4.65 | Cum |
| | | | | | | | | 4.65 | x | 8 | = | 37.20 | Cum |
| | | | | | | | | | | | | | |
| 05. | Filling and compacting soil, earth and boulders behind retaining walls (including excavation of soil and lead upto 30m). (WCSR-2022 P-2-5 I-27) | | | | | | | | | | | | |
| | Below NGL | 1 | x | 1 | x | 2.000 | x | 2.000 | x | 0.450 | = | 1.80 | Cum |
| | | | | | | | | | | Total | = | 1.80 | Cum |
| | | | | | | | | 1.80 | x | 8 | = | 14.40 | Cum |
| | | | | | | | | | | | | | |
| 06. | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) without shuttering. 1:2:4 (WCSR-2022 P-5-1 I-2(b)) | | | | | | | | | | | | |
| | Ground Floor | 1 | x | 1 | x | 2.000 | x | 2.000 | x | 0.037 | = | 0.15 | Cum |
| | | | | | | | | | | Total | = | 0.15 | Cum |
| | | | | | | | | 0.15 | x | 8 | = | 1.20 | Cum |
| | | | | | | | | | | | | | |
| 07. | Reinforced cement concrete work using coarse sand except the cost of steel reinforcement and its labour for bending and binding. This rate also includes all kinds of forms moulds, lifting shuttering, curing, rendering and finishing the exposed surface (including screening and washing of shingle). (WCSR-2022 P-5-1 P-3(i)) | | | | | | | | | | | | |
| | 1st Roof | 1 | x | 1.00 | x | 2.46 | x | 2.46 | x | 0.09 | = | 0.54 | Cum |
| | 1st roof beam | 1 | x | 4.00 | x | 2.46 | x | 0.23 | | 0.23 | = | 0.52 | Cum |
| | 2nd Roof | 1 | x | 1.00 | x | 3.66 | x | 3.66 | x | 0.09 | = | 1.21 | Cum |
| | Beam 2nd roof | 1 | x | 4.00 | x | (0.075 | + | 0.175) | x | 0.23 | = | 0.12 | Cum |
| | | | | | | | 2. 00 | | | | | | |
| | Lintel Beam Door | 1 | x | 1.00 | x | 0.15 | x | 0.23 | x | 1.20 | = | 0.04 | Cum |

| | | | | | | | | | | | | | |
|-----|---|---|---|------|---|------------------|---|------|---|------------------|---|---------------|-----|
| | Lintel Beam Door | 4 | x | 1.00 | x | 0.23 | x | 0.23 | x | 2.07 | = | 0.44 | Cum |
| | | | | | | | | | | Total (A) | = | 2.87 | Cum |
| | <u>Deduction</u> | | | | | | | | | | | | |
| | 1st Roof Opening | 1 | x | 1.00 | x | 0.90 | x | 0.90 | x | 0.09 | = | 0.07 | Cum |
| | | | | | | | | | | Total (B) | = | 0.07 | Cum |
| | | | | | | Total (A-B) = | | 2.87 | - | 0.07 | = | 2.80 | Cum |
| | | | | | | | | 2.80 | x | 8.00 | = | 22.40 | Cum |
| | | | | | | | | | | | | | |
| 08. | Supply and fabrication of intermediate grade deformed reinforcement for R.C.C piles including cutting, bending, laying in position, welding and fastening including cost of binding wire. (a) 40,000psi (WCSR-2022 P-5-3 I-7(a)). | | | | | | | | | | | | |
| | <u>1st Roof</u> | | | | | | | | | | | | |
| | Main Bar | 1 | x | 1 | x | 10 | x | | | 2.26 | = | 22.6 | RM |
| | Distribution Bar | 1 | x | 1 | x | 10 | x | | | 2.26 | = | 22.6 | RM |
| | <u>1st Roof Beam</u> | | | | | | | | | | | | |
| | Top Beam top | 4 | x | 1 | x | 3 | x | | | 2.26 | = | 27.12 | RM |
| | Top Beam bottom | 4 | x | 1 | x | 2 | x | | | 2.26 | = | 18.08 | RM |
| | Beam Ring | 4 | x | 1 | x | 15 | x | | | 2.26 | = | 135.6 | RM |
| | <u>2nd Roof</u> | | | | | | | | | | | | |
| | Main Bar | 1 | x | 1 | x | 15 | x | | | 3.46 | = | 51.9 | RM |
| | Distribution Bar | 1 | x | 1 | x | 15 | x | | | 3.46 | = | 51.9 | RM |
| | <u>Beam 2nd Roof</u> | | | | | | | | | | | | |
| | Ring | 1 | x | 4 | x | 10 | x | | | 0.43 | = | 17.2 | RM |
| | Main Bar | 1 | x | 4 | x | 5 | x | | | 2.46 | = | 49.2 | RM |
| | <u>Lintel Beam</u> | | | | | | | | | | | | |
| | Door Ring | 1 | x | 1 | x | 5 | x | | | 0.81 | = | 4.05 | RM |
| | Main Bar | 1 | x | 1 | x | 5 | x | | | 1.2 | = | 6 | RM |
| | window: Ring | 1 | x | 4 | x | 10 | x | | | 0.97 | = | 38.8 | RM |
| | Main Bar | 1 | x | 4 | x | 5 | x | | | 0.97 | = | 19.4 | RM |
| | | | | | | | | | | Total (A) | = | 464.45 | RM |
| | <u>Deduction</u> | | | | | | | | | | | | |

| | | | | | | | | | | | | | | |
|-----|---|---|---|---|---|---|---------------|---------|--------|--------|-----------|---------|--------|-----|
| | 1st Roof Opening | 2 | x | 4 | x | (| 0.900 | + | 0.900 |) | | = | 14.40 | RM |
| | | | | | | | | | | | Total (B) | = | 14.40 | RM |
| | | | | | | | Total (A-B) = | 464.450 | - | 14.400 | = | 450.05 | RM | |
| | | | | | | | | 450.05 | @ | 0.888 | = | 399.64 | Kg | |
| | | | | | | | | 399.64 | x | 8 | = | 3197.12 | Kg | |
| | | | | | | | | | | | | | | |
| 09. | Cement Plaster (1:4) upto 6.00 Meter Height 13mm Thick (WCSR-P-2022 /P-10-1/5 (b)) | | | | | | | | | | | | | |
| | Ground Floor I/S | 4 | x | 1 | x | | 2.000 | x | | | 3.000 | = | 24.00 | Sqm |
| | O/S | 4 | x | 1 | x | | 2.460 | x | | | 3.000 | = | 29.52 | Sqm |
| | 1st floor I/S | 4 | x | 1 | x | | 2.000 | x | | | 2.935 | = | 23.48 | Sqm |
| | O/S | 4 | x | 1 | x | | 2.460 | x | | | 2.935 | = | 28.88 | Sqm |
| | 2nd Floor roof O/S | 1 | x | 1 | x | | 3.660 | x | | | 3.660 | = | 13.40 | Sqm |
| | Top Corner side | 4 | x | 1 | x | | 3.660 | x | | | 0.085 | = | 1.24 | Sqm |
| | Stair Step | 1 | x | 1 | x | | 0.900 | x | | | 0.900 | = | 0.81 | Sqm |
| | | | | | | | | | | | Total (A) | = | 121.33 | Sqm |
| | <u>Deduction</u> | | | | | | | | | | | | | |
| | Door | 1 | x | 1 | x | | 0.900 | x | | | 2.100 | = | 1.89 | Sqm |
| | Window | 4 | x | 1 | x | | 0.750 | x | | | 1.770 | = | 5.31 | Sqm |
| | | | | | | | | | | | Total (B) | = | 1.89 | Sqm |
| | | | | | | | Total (A-B) = | 121.330 | - | 1.890 | = | 119.44 | Sqm | |
| | | | | | | | | | 119.44 | x | 8 | = | 955.52 | Sqm |
| | | | | | | | | | | | | | | |
| 10. | Weather shield paint three coats on new cement plaster surface. (WCSR -2022 P-10-03/24) | | | | | | | | | | | | | |
| | Ground floor Outside | 4 | x | 1 | x | | 2.460 | x | | | 3.000 | = | 29.52 | Sqm |
| | Ist floor Outside | 4 | x | 1 | x | | 2.460 | x | | | 2.935 | = | 28.88 | Sqm |
| | 2nd Floor roof Outside | 1 | x | 1 | x | | 3.660 | x | | | 3.660 | = | 13.40 | Sqm |

| | | | | | | | | | | | | | |
|-----|---|---|---|---|---|----------------------|---|------------|---|------------------|---|---------------|------------|
| | Top Corner side | 4 | x | 1 | x | 3.660 | x | | | 0.085 | = | 1.24 | Sqm |
| | | | | | | | | | | Total (A) | = | 73.04 | Sqm |
| | <u>Deduction</u> | | | | | | | | | | | | |
| | Door | 1 | x | 1 | x | 0.900 | x | | | 2.100 | = | 1.89 | Sqm |
| | Window | 4 | x | 1 | x | 0.750 | x | | | 1.770 | = | 5.31 | Sqm |
| | | | | | | | | | | Total (B) | = | 1.89 | Sqm |
| | | | | | | Total (A-B) = | | 73.04 0 | - | 1.890 | = | 71.15 | Sqm |
| | | | | | | | | 71.15 | x | 8 | = | 569.20 | Sqm |
| | | | | | | | | | | | | | |
| 11. | Destempring Two coats (WCSR-2022-P-10-2/16(b)) | | | | | | | | | | | | |
| | Ground Floor I/S | 4 | x | 1 | x | 2.000 | x | | | 3.000 | = | 24.00 | Sqm |
| | Ground Floor ceiling | 1 | x | 1 | x | 2.000 | x | | | 2.000 | = | 4.00 | Sqm |
| | 1st floor I/S | 4 | x | 1 | x | 2.000 | x | | | 2.935 | = | 23.48 | Sqm |
| | 1st Floor ceiling | 1 | x | 1 | x | 2.000 | x | | | 2.000 | = | 4.00 | Sqm |
| | | | | | | | | | | Total (A) | = | 55.48 | Sqm |
| | <u>Deduction</u> | | | | | | | | | | | | |
| | Door | 1 | x | 1 | x | 0.900 | x | | | 2.100 | = | 1.89 | Sqm |
| | Window | 4 | x | 1 | x | 0.750 | x | | | 1.770 | = | 5.31 | Sqm |
| | | | | | | | | | | Total (B) | = | 1.89 | Sqm |
| | | | | | | Total (A-B) = | | 55.48 0 | - | 1.890 | = | 53.59 | Sqm |
| | | | | | | | | 53.59 | x | 8 | = | 428.72 | Sqm |
| | | | | | | | | | | | | | |
| 12. | Damp proof course with (cement, sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture. 38mm thick (WCSR-2022 P-6-4 I-25 (a)) | | | | | | | | | | | | |
| | DPC | 2 | x | 4 | x | 2.230 | x | | | 0.230 | = | 4.10 | Sqm |
| | | | | | | | | | | Total | = | 4.10 | Sqm |

| | | | | | | | | | | | | | |
|-----|---|---|---|---|---|-------|---|------|---|-------|---|-------|-----|
| | | | | | | | | 4.10 | x | 8 | = | 32.80 | Sqm |
| | | | | | | | | | | | | | |
| 13. | Providing & Fixing steel ladder for overhead tank made of angle iron 50 x 50 x 6mm with 15 mm dia MS bars step 375 mm post including side supports of angle iron 50 x 50 x 6mm complete in all respects. (WCSR-2022 P-20-6 I-61) | | | | | | | | | | | | |
| | Ladder | 1 | x | 1 | x | | x | | | 3.660 | = | 3.66 | M |
| | | | | | | | | | | Total | = | 3.66 | M |
| | | | | | | | | 3.66 | x | 8 | = | 29.28 | M |
| | | | | | | | | | | | | | |
| 14. | Providing & Fixing steel windows glazed openable of standard Z section frame as per drawing. (WCSR-2022 P-20-3 I-33) | | | | | | | | | | | | |
| | Window | 1 | x | 4 | x | 1.770 | x | | | 0.750 | = | 3.00 | Sqm |
| | | | | | | | | | | Total | = | 3.00 | Sqm |
| | | | | | | | | 3.00 | x | 8 | = | 24.00 | Sqm |
| | | | | | | | | | | | | | |
| 15. | Glazing with panes, Glass panes 680 to 737 gm used with deodar wood fillet and putty. (WCSR-2022 P-11-6 I-40(c)) | | | | | | | | | | | | |
| | Window Glass | 1 | x | 4 | x | 1.770 | x | | | 0.750 | = | 3.00 | Sqm |
| | | | | | | | | | | Total | = | 3.00 | Sqm |
| | | | | | | | | 3.00 | x | 8 | = | 24.00 | Sqm |
| | | | | | | | | | | | | | |
| 16. | Providing & Fixing steel doors without grill work on outer face of the door as per approved drawing. (WCSR-2022 P-20-3 I-29) | | | | | | | | | | | | |
| | Door | 1 | x | 1 | x | 2.100 | x | | | 0.900 | = | 0.90 | Sqm |
| | | | | | | | | | | Total | = | 0.90 | Sqm |
| | | | | | | | | 0.90 | x | 8 | = | 7.20 | Sqm |
| | | | | | | | | | | | | | |
| 17. | Panting Doors and Windows Any Type Two Coats. (WCSR-P-12-1/4(c) i+ii) | | | | | | | | | | | | |
| | Window | 1 | x | 4 | x | 1.770 | x | | | 0.750 | = | 3.00 | Sqm |
| | Door | 1 | x | 1 | x | 2.100 | x | | | 0.900 | = | 0.90 | Sqm |

| | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|------|---|---|-------|-------|------|-----|
| | | | | | | | | | | Total | = | 3.90 | Sqm |
| | | | | | | | 3.90 | x | 8 | = | 31.20 | Sqm | |

**NAM
E
OF
WORK**

ESTIMATE FOR CONSTRUCTION OF 03 NO'S SECURITY CHECK POST AT THE ENTRANCE ROAD (ON DIFFERENT LOCATION) OF TPS, COLONY JAMSHORO.

ABSTRSCT OF COST

Part-B (Construction of 03 No's Check Post)

| No | Name of item. | Unit | Qty | Rate | Amount |
|----|---|------|-------|---------------|----------------|
| 1 | Excavation in shingle or gravel formation and rock not requiring blasting undressed lead upto 50 m. (WCSR -2022 P-2-1/4 (a)) | Cum | 29.94 | Rs.704.95 | Rs. 21,106.20 |
| 2 | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) without shuttering. Ratio:1:4:8 (WCSR -2022 P-5-1/2 (b)) | Cum | 12.75 | Rs. 8,665.60 | Rs. 110,486.40 |
| 3 | Bricks work in foundation and plinth in Cement sand mortar. Ratio: 1:5 (WCSR -2022 P-6-1/1) | Cum | 8.49 | Rs. 11,225.39 | Rs. 95,303.56 |
| 4 | Damp proof course with (cement, sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture. 38 mm thick. (WCSR -2022 P-6-4/25 (a)) | Sqm | 12.30 | Rs. 881.12 | Rs. 10,837.78 |
| 5 | Bricks work in ground floor (including striking of joints) in Cement sand mortar. Ratio; 1:5 (WCSR -2022 P-6-1/2) | Cum | 15.06 | Rs. 12,057.09 | Rs. 181,579.78 |
| 6 | Filling watering and ramming earth under floors with surplus earth from foundation (WCSR -2022 P-2-5/26) | Cum | 29.94 | Rs. 353.00 | Rs. 10,568.82 |
| 7 | Supplying and filling sand under floors or plugging in wells (WCSR -2022 P-6-4/24) | Cum | 1.20 | Rs. 1,724.19 | Rs. 2,069.03 |
| 8 | Reinforced cement concrete work using coarse sand except the cost of steel reinforcement and its labour for bending and binding. This rate also includes all kinds of forms moulds; lifting shuttering, curing, rendering and finishing the exposed surface (including screening and washing of shingle). Ratio: 1:2:4 (WCSR -2022 P-5-2/3 (a)) | Cum | 4.86 | Rs. 23,643.87 | Rs. 114,909.21 |

| | | | | | |
|----|---|-----|--------|------------------|-----------------------|
| 9 | Supplying and fabrication of Intermediate grade deformed reinforcement for R.C.C. in slabs, beams, columns and pile caps, including cutting, bending laying in position including cost of binding wire; 5.8 a. 40,000 psi (276 MPa) yield (WCSR -2022 P-5-3/6 (| Kg | 544.08 | Rs. 250.66 | Rs. 136,379.09 |
| 10 | Cement plaster (1:4) upto 1 st floor height (WCSR -2022 P-10-1/5 (b) | Sqm | 130.47 | Rs. 374.06 | Rs. 48,803.61 |
| 11 | Providing and fixing steel doors with grill work on outer face of the door as per approved design Engineer Incharge. (WCSR-2022 P-20-3/29) | Sqm | 4.47 | Rs. 19,286.28 | Rs. 86,209.67 |
| 12 | Topping of cement concrete (1:2:4) including surface finishing & dividing into panels: b) 40 mm (WCSR -2022 P-9-2/9 (b) | Sqm | 12.00 | Rs. 667.49 | Rs. 8,009.88 |
| 13 | Destempring Two coats (WCSR-2022-P-10-2/16(b)) | Sqm | 45.45 | Rs. 113.00 | Rs. 5,135.85 |
| 14 | Painting new surface. Preparing surface and Painting door and windows any type. One primer and two subsequent coats. (WCSR -2022 P-12-3/5(c i+ii)) | Sqm | 8.91 | Rs. 637.44 | Rs. 5,679.59 |
| 15 | Weather shield paint three coats on new cement plaster surface. (WCSR -2022 P-10-03/24) | Sqm | 70.32 | Rs. 357.87 | Rs. 25,165.42 |
| | | | | Total (B) | Rs. 862,243.89 |

| NAME OF WORK | <u>ESTIMATE FOR CONSTRTUCTION OF 03 NO'S SECURITY CHECK POST RESIDENTIAL COLONY TPS, JAMSHORO.</u> | | | | | | | | | | | | |
|---|--|----|---|---|---|------|---|------|---|--------------|----------|--------------|------------|
| <u>ABSTRACT OF QTY:</u> | | | | | | | | | | | | | |
| <u>Part-B (Construction of 03 No's Check Post)</u> | | | | | | | | | | | | | |
| No | Description | No | | | | L | | B | | H | | Contents | |
| 1 | Excavation in shingle or gravel formation and rock not requiring blasting undressed lead upto 50 m. (WCSR -2022 P-2-1/4 (a)) | | | | | | | | | | | | |
| | L/w | 1 | x | 2 | x | 3.15 | x | 0.92 | | 1.220 | = | 7.07 | Cum |
| | S/w | 1 | x | 2 | x | 1.32 | x | 0.92 | | 1.200 | = | 2.91 | Cum |
| | | | | | | | | | | Total | = | 9.98 | Cum |
| | | | | | | | | 9.98 | X | 3 | = | 29.94 | Cum |
| | | | | | | | | | | | | | |
| 2 | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) without shuttering. Ratio:1:4:8 (WCSR -2022 P-5-1/2 (b)) | | | | | | | | | | | | |
| | L/w | 1 | x | 2 | x | 3.15 | x | 0.92 | | 0.300 | = | 1.74 | Cum |
| | S/w | 1 | x | 2 | x | 1.32 | x | 0.92 | | 0.300 | = | 0.73 | Cum |
| | Floor | 1 | x | 1 | x | 2.00 | x | 2.00 | | 0.100 | = | 0.40 | Cum |
| | Plinth | 1 | x | 2 | x | 4.46 | x | 1.00 | | 0.100 | = | 0.89 | Cum |
| | | 1 | x | 2 | x | 2.46 | x | 1.00 | | 0.100 | = | 0.49 | Cum |
| | | | | | | | | | | Total | = | 4.25 | Cum |
| | | | | | | | | 4.25 | X | 3 | = | 12.75 | Cum |
| | | | | | | | | | | | | | |
| 3 | Bricks work in foundation and plinth in Cement sand mortar. Ratio: 1:5 (WCSR -2022 P-6-1/1) | | | | | | | | | | | | |
| | L/w 1st step | 1 | x | 2 | x | 2.81 | x | 0.58 | | 0.150 | = | 0.49 | Cum |
| | 2nd | 1 | x | 2 | x | 2.69 | x | 0.46 | | 0.150 | = | 0.37 | Cum |
| | 3 rd Step | 1 | x | 2 | x | 2.58 | x | 0.35 | | 0.150 | = | 0.27 | Cum |
| | 4 th | 1 | x | 2 | x | 2.46 | x | 0.23 | | 1.500 | = | 1.70 | Cum |
| | | | | | | | | | | Total | = | 2.83 | Cum |
| | | | | | | | | 2.83 | X | 3 | = | 8.49 | Cum |
| | | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|-------|---|-------|---|--------------------|---|--------------|------------|
| 4 | Damp proof course with (cement, sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture. 38 mm thick. (WCSR -2022 P-6-4/25 (a) | | | | | | | | | | | | |
| | | 2 | x | 2 | x | 2.46 | x | 0.23 | | | = | 2.26 | Sqm |
| | | 2 | x | 2 | x | 2.00 | x | 0.23 | | | = | 1.84 | Sqm |
| | | | | | | | | | | Total | = | 4.1 | Sqm |
| | | | | | | | | 4.10 | X | 3 | = | 12.30 | Sqm |
| 5 | Bricks work in ground floor (including striking of joints) in Cement sand mortar. Ratio; 1:5 (WCSR -2022 P-6-1/2) | | | | | | | | | | | | |
| | Above DPC | 1 | x | 2 | x | 2.46 | x | 0.23 | | 2.276 | = | 2.58 | Cum |
| | | 1 | x | 2 | | 2.00 | x | 0.23 | | 2.276 | = | 2.09 | Cum |
| | For Sitting bench | 4 | x | 3 | | 0.22 | x | 0.22 | | 2.000 | = | 1.16 | Cum |
| | | | | | | | | | | Total A | = | 5.83 | Cum |
| | <u>DEDUCTION.</u> | | | | | | | | | | | | |
| | Window | 1 | x | 3 | x | 0.91 | X | 0.23 | | 0.750 | = | 0.47 | Cum |
| | Door | 1 | x | 1 | x | 0.75 | x | 0.23 | | 1.980 | = | 0.34 | Cum |
| | | | | | | | | | | Total B | = | 0.81 | Cum |
| | | = | | | | 5.830 | - | 0.810 | | Total | = | 5.02 | Cum |
| | | | | | | | | 5.02 | X | 3 | = | 15.06 | Cum |
| 6 | Filling watering and ramming earth under floors with surplus earth from foundation (WCSR -2022 P-2-5/26) | | | | | | | | | | | | |
| | Qty 1/3 of item No 1 | | | = | | | | 29.94 | / | 3 | = | 9.98 | Cum |
| | | | | | | | | | | Total | = | 9.98 | Cum |
| | | | | | | | | 9.98 | X | 3 | = | 29.94 | Cum |
| 7 | Supplying and filling sand under floors or plugging in wells (WCSR -2022 P-6-4/24) | | | | | | | | | | | | |
| | | 1 | x | 1 | x | 2.00 | X | 2.00 | | 0.100 | = | 0.40 | Cum |
| | | | | | | | | | | Total | = | 0.40 | Cum |
| | | | | | | | | 0.40 | X | 3 | = | 1.20 | Cum |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|------|---|------|---|--------------|---|-------------|------------|
| 8 | Reinforced cement concrete work using coarse sand except the cost of steel reinforcement and its labour for bending and binding. This rate also includes all kinds of forms moulds; lifting shuttering, curing, rendering and finishing the exposed surface (including screening and washing of shingle). Ratio:1:2:4 (WCSR -2022 P-5-2/3 (a) | | | | | | | | | | | | |
| | lintel Door | 1 | x | 1 | x | 1.22 | X | 0.23 | | 0.150 | = | 0.04 | Cum |
| | Lintel Windows | 1 | x | 3 | x | 1.22 | X | 0.23 | | 0.150 | = | 0.13 | Cum |
| | Top beam | 1 | x | 4 | x | 2.46 | X | 0.23 | | 0.230 | = | 0.52 | Cum |
| | Roof | 1 | x | 1 | x | 2.46 | X | 2.46 | | 0.085 | = | 0.51 | Cum |
| | | 1 | x | 4 | x | 1.00 | X | 1.00 | | 0.085 | = | 0.34 | Cum |
| | Sitting Slab | 1 | x | 4 | x | 0.91 | X | 0.30 | | 0.076 | = | 0.08 | Cum |
| | | | | | | | | | | Total | = | 1.62 | Cum |
| | | | | | | | | 1.62 | X | 3 | = | 4.86 | Cum |

| | | | | | | | | | | | | | |
|---|--|---|---|----|---|------|---|------|--|------|---|-------|----|
| 9 | Supplying and fabrication of Intermediate grade deformed reinforcement for R.C.C. in slabs, beams, columns and pile caps, including cutting, bending laying in position including cost of binding wire; 5.8 a. 40,000 psi (276 MPa) yield (WCSR -2022 P-5-3/6 (a) | | | | | | | | | | | | |
| | 10 mm Dia D/10 | 1 | x | 5 | x | 1.22 | @ | 0.62 | | Kg/M | = | 3.78 | Kg |
| | | 1 | x | 8 | x | 0.76 | @ | 0.62 | | Kg/M | = | 3.77 | Kg |
| | Window | 3 | x | 3 | x | 2.46 | @ | 0.99 | | Kg/M | = | 21.92 | Kg |
| | 10 mm Da | 3 | x | 2 | x | 2.46 | @ | 0.62 | | Kg/M | = | 9.15 | Kg |
| | | 3 | x | 12 | x | 0.76 | @ | 0.62 | | Kg/M | = | 16.96 | Kg |
| | Top Beam 1/2" dia | 4 | x | 3 | x | 2.46 | @ | 0.99 | | Kg/M | = | 29.22 | Kg |
| | | 4 | x | 2 | x | 2.46 | @ | 0.62 | | Kg/M | = | 12.20 | Kg |
| | Beam Ring | 4 | x | 12 | x | 1.00 | @ | 0.62 | | Kg/M | = | 29.76 | Kg |
| | 1st Slab | 2 | x | 12 | x | 2.46 | @ | 0.62 | | Kg/M | = | 36.60 | Kg |
| | Sitting Slab | 4 | x | 6 | x | 0.91 | @ | 0.62 | | Kg/M | = | 13.54 | Kg |

| | | | | | | | | | | | | | |
|----|--|---|---|---|--------|------|---|--------|---|----------------|---|---------------|------------|
| | | 4 | x | 6 | x | 0.30 | @ | 0.62 | | Kg/M | = | 4.46 | Kg |
| | | | | | | | | | | Total | = | 181.36 | Kg |
| | | | | | | | | 181.36 | X | 3 | = | 544.08 | Kg |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 10 | Cement plaster (1:4) upto 1st floor height (WCSR -2022 P-10-1/5 (b) | | | | | | | | | | | | |
| | In side | 1 | x | 4 | x | 2.00 | x | | | 2.506 | = | 20.05 | Sqm |
| | Out side | 1 | x | 4 | x | 2.46 | x | | | 2.590 | = | 25.49 | Sqm |
| | | | | | | | | | | Total A | = | 45.54 | Sqm |
| | | | | | | | | | | | | | |
| | DEDUCTION. | | | | | | | | | | | | |
| | Window | 1 | x | 3 | x | 0.91 | X | | | 0.750 | = | 2.05 | Sqm |
| | Door | 1 | x | 1 | x | 0.75 | x | | | 1.980 | = | 1.49 | Sqm |
| | | | | | | | | | | Total B | = | 2.05 | Sqm |
| | | | | | | | | | | | | | |
| | | = | | | 45.540 | - | | 2.050 | | Total | = | 43.49 | Sqm |
| | | | | | | | | 43.49 | X | 3 | = | 130.47 | Sqm |
| 11 | Providing and fixing steel doors with grill work on outer face of the door as per approved design Engineer In charge. (WCSR-2022 P-20-3/29) | | | | | | | | | | | | |
| | Door | 1 | x | 1 | x | 0.75 | x | | | 1.98 | = | 1.49 | Sqm |
| | | | | | | | | | | Total | = | 1.49 | Sqm |
| | | | | | | | | 1.49 | X | 3 | = | 4.47 | Sqm |
| 12 | Topping of cement concrete (1:2:4) including surface finishing & dividing into panels: b) 40 mm (WCSR -2022 P-9-2/9 (b) | | | | | | | | | | | | |
| | Floor | 1 | x | 1 | x | 2.00 | x | 2.00 | | | = | 4.00 | Sqm |
| | | | | | | | | | | Total | = | 4.00 | Sqm |
| | | | | | | | | 4.00 | X | 3 | = | 12.00 | Sqm |

| | | | | | | | | | | | | | |
|----|--|---|---|---|--------|------|---|-------|---|--------------------|---|--------------|------------|
| 13 | Distemping Two coats (WCSR-2022-P-10-2/16(b)) | | | | | | | | | | | | |
| | in side | 1 | x | 1 | x | 2.00 | x | | | 2.590 | = | 5.18 | Sqm |
| | | 1 | x | 1 | x | 2.00 | x | | | 2.506 | = | 5.01 | Sqm |
| | Ceiling | 1 | x | 2 | x | 2.00 | x | 2.00 | | | = | 8.00 | Sqm |
| | | | | | | | | | | Total A | = | 18.19 | Sqm |
| | DEDUCTION. | | | | | | | | | | | | |
| | Windows | 1 | x | 3 | x | 1.35 | X | | | 0.750 | = | 3.04 | sqm |
| | door | 1 | x | 1 | x | 0.75 | X | | | 1.980 | = | 1.49 | sqm |
| | | | | | | | | | | Total B | = | 3.04 | Sqm |
| | | = | | | 18.190 | - | | 3.040 | | | = | 15.15 | Sqm |
| | | | | | | | | 15.15 | X | 3 | = | 45.45 | Sqm |

| | | | | | | | | | | | | | |
|----|---|---|---|---|---|------|---|------|---|--------------------|---|--------------|------------|
| 14 | Painting new surface. Preparing surface and Painting door and windows any type. One primer and two subsequent coats. (WCSR -2022 P-12-3/5(c i+ii)) | | | | | | | | | | | | |
| | Door | 1 | x | 2 | x | 0.75 | x | | | 1.980 | = | 2.97 | Sqm |
| | | | | | | | | | | Total | = | 2.97 | Sqm |
| | | | | | | | | 2.97 | X | 3 | = | 8.91 | Sqm |
| 15 | Weather shield paint three coats on new cement plaster surface. (WCSR -2022 P-10-03/24) | | | | | | | | | | | | |
| | Out side | 1 | x | 4 | x | 2.46 | x | | | 2.590 | = | 25.49 | Sqm |
| | | | | | | | | | | Total A | = | 25.49 | Sqm |
| | DEDUCTION. | | | | | | | | | | | | |
| | Window | 1 | x | 3 | x | 0.91 | X | | | 0.750 | = | 2.05 | Sqm |
| | Door | 1 | x | 1 | x | 0.75 | x | | | 1.980 | = | 1.49 | Sqm |

| | | | | | | | | | | | | |
|--|--|---|--|--------|--|---|-------|---|--------------------|---|--------------|------------|
| | | | | | | | | | Total B | = | 2.05 | Sqm |
| | | = | | 25.490 | | - | 2.050 | | Total | = | 23.44 | Sqm |
| | | | | | | | 23.44 | X | 3 | = | 70.32 | Sqm |

| NAME OF WORK | <u>ESTIMATE FOR REPAIR & MAINTENANCE WORK OF 14 WATCH TOWER AND 03 CHECK POST OF PRE-TREATMENT AREA, POWERHOUSE AREA AND RESIDENTIAL COLONY TPS JAMSHORO.</u> | | | | |
|--|---|------|--------|---------------|----------------|
| <u>ABSTRSCT OF COST</u> | | | | | |
| <u>Part-C (R&M work of 14 no's existing watchtower & 03 No's Check Post)</u> | | | | | |
| Sr. No | Name of item | Unit | Qty | Rate | Amount |
| 1 | Dismantling cement concrete plain. 1:2:4 (WCSR-P-2022 P-3-2/14(c)) | Cum | 4.16 | Rs. 4,061.77 | Rs. 16,896.96 |
| 2 | Reinforced cement concrete work using coarse sand except the cost of steel reinforcement and its labour for bending and binding. This rate also includes all kinds of forms moulds; lifting shuttering, curing, rendering and finishing the exposed surface (including screening and washing of shingle). Ratio: 1:2:4 (WCSR -2022 P-5-2/3 (a)) | Cum | 3.94 | Rs. 23,643.87 | Rs. 93,156.85 |
| 3 | Supplying and fabrication of Intermediate grade deformed reinforcement for R.C.C. in slabs, beams, columns and pile caps, including cutting, bending laying in position including cost of binding wire; 5.8 a. 40,000 psi (276 MPa) yield (WCSR -2022 P-5-3/6 (a)) | Kg | 302.28 | Rs. 250.66 | Rs. 75,769.50 |
| 4 | Removing Cement Plaster. (WCSR-P-2022/P-3-4/39) | Sqm | 206.22 | Rs. 45.18 | Rs. 9,317.02 |
| 5 | Cement plaster (1:4) upto 1st floor height (WCSR -2022 P-10-1/5 (b)) | Sqm | 206.22 | Rs. 374.06 | Rs. 77,138.65 |
| 6 | Providing and fixing of bent metal 16SWG frame chokwat 345mm wide for door size complete in all respect. (WCSR-2022 P-20-5/44) | Sqm | 14.63 | Rs. 3,953.39 | Rs. 57,838.10 |
| 7 | Providing and fixing steel doors with gril work on outer face of the door as per approved design Engineer Incharge. (WCSR-2022 P-20-3/29) | Sqm | 15.33 | Rs 19,286.28 | Rs. 295,658.67 |
| 8 | Providing & Fixing Steel windows of standard tabular frame 40 x 40 mm and shutters 40 x 25 mm as per approved design of Engineer in Incharge. (WCSR -2022 P-20-4/37) | Sqm | 53.10 | Rs. 12,596.73 | Rs. 668,886.36 |
| 9 | Topping of cement concrete (1:2:4) including surface finishing & dividing into panels: b) 40 mm (WCSR -2022 P-9-2/9 (b)) | Sqm | 156.36 | Rs. 667.49 | Rs. 104,368.74 |

| | | | | | |
|----|---|-----|----------|------------------|-------------------------|
| 10 | Destempring Two coats. (Inner Side wall & ceiling). (WCSR-2022-P-10-2/16(b)) | Sqm | 838.48 | Rs. 113.00 | Rs. 94,748.24 |
| 11 | Painting door & window two Coats (WCSR-2022 P-12-1/4 ©) | Sqm | 112.99 | Rs. 363.10 | Rs. 41,026.67 |
| 12 | Weather shield paint three coats on new cement plaster surface. (WCSR -2022 P-13-18/61) | Sqm | 1,724.84 | Rs. 357.87 | Rs. 617,268.49 |
| 13 | Providing & Fixing steel ladder for overhead tank made of angle iron 50 x 50 x 6mm with 15 mm dia MS bars step 375 mm post including side supports of angle iron 50 x 50 x 6mm complete in all respects. (WCSR-2022 P-20-6 I-61) | M | 10.98 | Rs. 9,133.22 | Rs. 100,282.76 |
| 14 | Glazing with panes, Glass panes 680 to 737 gm used with deodar wood fillet and putty. (WCSR-2022 P-11-6 I-40(c)) | Sqm | 49.32 | Rs. 1,840.12 | Rs. 90,754.72 |
| 15 | Galvanized wire guaze 22SWG fixed with 20mm strips on separate 50 x 50 mm deodar wood frame. WCSR-2022, P-11-3, I-11(d) | Sqm | 7.32 | Rs. 2,982.21 | Rs. 21,829.78 |
| 16 | Providing & fixing flush door leaf as per CDO standard drawing. (WCSR-P-2022/P-11-7/42) | Sqm | 7.81 | Rs. 6,109.00 | Rs. 47,711.29 |
| 17 | Jungle clearance. (WCSR-P-2022/P-20-1/03) | Sqm | 292.75 | Rs. 202.21 | Rs. 59,196.98 |
| | | | | Total (C) | Rs. 2,471,849.78 |

| | | | | | | | | | | | | | |
|---|---|----|---|---|---|------|---|------|---|-------|---|----------|-----|
| NAME OF WORK | <u>ESTIMATE FOR REPAIR & MAINTENANCE WORK OF 14 WATCH TOWER AND 03 CHECK POST OF PRE-TREATMENT AREA, POWER HOUSE AREA AND RESIDENTIAL COLONY TPS JAMSHORO.</u> | | | | | | | | | | | | |
| <u>ABSTRACT OF QTY:</u> | | | | | | | | | | | | | |
| <u>Part-C (R&M work of 14 no's existing watchtower & 03 No's Check Post)</u> | | | | | | | | | | | | | |
| No | Description | No | | | L | | | B | | H | | Contents | |
| 1 | Dismantling cement concrete plain. 1:2:4 (WCSR-P-2022 P-3-2/14(c)) | | | | | | | | | | | | |
| | Power house gate check post floor | 1 | x | 1 | x | 6.86 | x | 4.11 | x | 0.100 | = | 2.82 | Cum |
| | 2nd roof of existing watch tower in colony (Tower 05 & 08). | 1 | x | 1 | x | 3.66 | x | 3.66 | x | 0.100 | = | 1.34 | Cum |
| | | | | | | | | | | | | | |
| | | | | | | | | | | Total | = | 4.16 | Cum |
| | | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|----|---|---|---|---|---|------|---|-------|---|--------------|----------|--------------|-----------------|
| 2 | Reinforced cement concrete work using coarse sand except the cost of steel reinforcement and its labour for bending and binding. This rate also includes all kinds of forms moulds; lifting shuttering, curing, rendering and finishing the exposed surface (including screening and washing of shingle). Ratio: 1:2:4 (WCSR -2022 P-5-2/3 (a)) | | | | | | | | | | | | |
| | 2nd roof of existing watch tower in colony (Tower 05 & 08). | | | | | | | | | | | | |
| | Top beam | 2 | x | 4 | x | 2.46 | x | 0.23 | | 0.230 | = | 1.04 | Cum |
| | 2nd floor roof | 2 | x | 1 | x | 3.66 | x | 3.66 | | 0.085 | = | 2.90 | Cum |
| | | | | | | | | | | Total | = | 3.94 | Cu m |
| 3 | Supplying and fabrication of Intermediate grade deformed reinforcement for R.C.C. in slabs, beams, columns and pile caps, including cutting, bending laying in position including cost of binding wire; 5.8 a. 40,000 psi (276 MPa) yield (WCSR -2022 P-5-3/6 (a)) | | | | | | | | | | | | |
| | 2nd Roof | | | | | | | | | | | | |
| | Main Bar | 2 | x | 1 | x | 15 | x | | | 3.46 | = | 103.8 | RM |
| | Distribution Bar | 2 | x | 1 | x | 15 | x | | | 3.46 | = | 103.8 | RM |
| | Beam 2nd Roof | | | | | | | | | | | | |
| | Ring | 2 | x | 4 | x | 10 | x | | | 0.43 | = | 34.4 | RM |
| | Main Bar | 2 | x | 4 | x | 5 | x | | | 2.46 | = | 98.4 | RM |
| | | | | | | | | | | Total | = | 340.4 | RM |
| | | | | | | | | ##### | @ | 0.888 | = | 302.28 | K g |
| 4 | Removing Cement Plaster. (WCSR-P-2022/P-3-4/39) | | | | | | | | | | | | |
| i) | PTA Area (Watch tower) | | | | | | | | | | | | |
| | 2nd roof shed (Tower # 01, 02, 03 & 04) | 4 | x | 2 | x | 0.61 | x | | | 3.660 | = | 17.86 | Sqm |
| | 1st Roof (Tower # 4) | 1 | x | 1 | x | 0.61 | x | | | 3.660 | = | 2.23 | Sqm |
| | wall (Tower-01) | 1 | x | 1 | x | 1.83 | x | | | 1.220 | = | 2.23 | Sqm |
| | Wall o/side (Tower-02) | 1 | x | 1 | x | 9.75 | x | | | 0.610 | = | 5.95 | Sqm |
| | Check post shed | 1 | x | 1 | x | 4.87 | x | | | 0.760 | = | 3.70 | Sqm |

| | | | | | | | | | | | | | |
|------|--|---|---|---|---|-------|---|-------|--|--------------|---|---------------|------------|
| | | 1 | x | 2 | x | 7.01 | x | | | 0.460 | = | 6.45 | Sqm |
| | Check post Room border | 1 | x | 2 | x | (6.55 | + | 3.96) | | 0.450 | = | 9.46 | Sqm |
| | | | | | | | | | | | | | |
| ii) | <u>Power House (Watch tower)</u> | | | | | | | | | | | | |
| | Tower # 08 roof (near railway track) | 1 | x | 1 | x | 0.61 | x | | | 3.660 | = | 2.23 | Sqm |
| | Wall o/side (Tower-08) | 1 | x | 1 | x | 9.75 | x | | | 0.910 | = | 8.87 | Sqm |
| | check post parapet wall (P/H gate) | 1 | x | 1 | x | (30 | + | 30.5) | | 0.910 | = | 55.06 | Sqm |
| | check post beam I/side. | 1 | x | 1 | x | 2.74 | x | | | 0.610 | = | 1.67 | Sqm |
| | check post column I/side room. | 1 | x | 1 | x | 0.91 | x | | | 0.450 | = | 0.41 | Sqm |
| | check post Roof I/side room. | 1 | x | 1 | x | 4.27 | x | | | 3.350 | = | 14.30 | Sqm |
| | | | | | | | | | | | | | |
| iii) | <u>Residential colony (Watch tower)</u> | | | | | | | | | | | | |
| | 2nd roof shed (Tower # 02, 03, 06, 07 & 08) | 5 | x | 2 | x | 0.61 | x | | | 3.660 | = | 22.33 | Sqm |
| | wall I/side (Tower-02 & 03) | 2 | x | 1 | x | 1.83 | x | | | 0.610 | = | 2.23 | Sqm |
| | Wall o/side border (Tower-01, 03, 04, 05, 06, 07 & 08) | 7 | x | 1 | x | 9.75 | x | | | 0.610 | = | 41.63 | Sqm |
| | Stairs (Tower # 02, 03, 04, 05, 06, 07 & 08) | 7 | x | 1 | x | 0.91 | x | | | 0.540 | = | 3.44 | Sqm |
| | Check post colony gate O/side border | 1 | x | 2 | x | (3.35 | + | 3.51) | | 0.450 | = | 6.17 | Sqm |
| | | | | | | | | | | Total | = | 206.22 | Sqm |
| | | | | | | | | | | | | | |
| 5 | Cement plaster (1:4) upto 1st floor height (WCSR -2022 P-10-1/5 (b) | | | | | | | | | | | | |
| i) | <u>PTA Area (Watch tower)</u> | | | | | | | | | | | | |
| | 2nd roof shed (Tower # 01, 02, 03 & 04) | 4 | x | 2 | x | 0.61 | x | | | 3.660 | = | 17.86 | Sqm |
| | 1st Roof (Tower # 4) | 1 | x | 1 | x | 0.61 | x | | | 3.660 | = | 2.23 | Sqm |
| | wall (Tower-01) | 1 | x | 1 | x | 1.83 | x | | | 1.220 | = | 2.23 | Sqm |
| | Wall o/side (Tower-02) | 1 | x | 1 | x | 9.75 | x | | | 0.610 | = | 5.95 | Sqm |
| | Check post shed | 1 | x | 1 | x | 4.87 | x | | | 0.760 | = | 3.70 | Sqm |
| | | 1 | x | 2 | x | 7.01 | x | | | 0.460 | = | 6.45 | Sqm |
| | Check post Room border | 1 | x | 2 | x | (6.55 | + | 3.96) | | 0.450 | = | 9.46 | Sqm |
| | | | | | | | | | | | | | |
| ii) | <u>Power House (Watch tower)</u> | | | | | | | | | | | | |
| | Tower # 08 roof (near railway track) | 1 | x | 1 | x | 0.61 | x | | | 3.660 | = | 2.23 | Sqm |
| | Wall o/side (Tower-08) | 1 | x | 1 | x | 9.75 | x | | | 0.910 | = | 8.87 | Sqm |
| | check post parapet wall (P/H gate) | 1 | x | 1 | x | (30 | + | 30.5) | | 0.910 | = | 55.06 | Sqm |

| | | | | | | | | | | | | | |
|------|---|---|---|---|---|-------|---|-------|--|--------------|---|---------------|------------|
| | check post beam I/side. | 1 | x | 1 | x | 2.74 | x | | | 0.610 | = | 1.67 | Sqm |
| | check post column I/side room. | 1 | x | 1 | x | 0.91 | x | | | 0.450 | = | 0.41 | Sqm |
| | check post Roof I/side room. | 1 | x | 1 | x | 4.27 | x | | | 3.350 | = | 14.30 | Sqm |
| | | | | | | | | | | | | | |
| iii) | <u>Residential colony (Watch tower)</u> | | | | | | | | | | | | |
| | 2nd roof shed (Tower # 02, 03, 06, 07 & 08) | 5 | x | 2 | x | 0.61 | x | | | 3.660 | = | 22.33 | Sqm |
| | wall I/side (Tower-02 & 03) | 2 | x | 1 | x | 1.83 | x | | | 0.610 | = | 2.23 | Sqm |
| | Wall o/side bodar (Tower-01, 03, 04, 05, 06, 07 & 08) | 7 | x | 1 | x | 9.75 | x | | | 0.610 | = | 41.63 | Sqm |
| | Stairs (Tower # 02, 03, 04, 05, 06, 07 & 08) | 7 | x | 1 | x | 0.91 | x | | | 0.540 | = | 3.44 | Sqm |
| | Check post colony gate O/side bodar | 1 | x | 2 | x | (3.35 | + | 3.51) | | 0.450 | = | 6.17 | Sqm |
| | | | | | | | | | | Total | = | 206.22 | Sqm |
| | | | | | | | | | | | | | |
| 6 | Providing and fixing of bent metal 16SWG frame chokwat 345mm wide for door size complete in all respect. (WCSR-2022 P-20-5/44) | | | | | | | | | | | | |
| | Door (PTA Area) | 3 | x | 1 | x | 0.95 | x | | | 2.20 | = | 6.27 | Sqm |
| | Door (Powerhouse Area) | 1 | x | 1 | x | 0.95 | x | | | 2.20 | = | 2.09 | Sqm |
| | Door (Colony (Tower# 02 & tower # 08)) | 2 | x | 1 | x | 0.95 | x | | | 2.20 | = | 4.18 | Sqm |
| | Door (Colony check post bath) | 1 | x | 1 | x | 0.95 | x | | | 2.20 | = | 2.09 | Sqm |
| | | | | | | | | | | Total | = | 14.63 | Sqm |
| 7 | Providing and fixing steel doors with grill work on outer face of the door as per approved design Engineer Incharge. (WCSR-2022 P-20-3/29) | | | | | | | | | | | | |
| | Door (PTA Area) | 4 | x | 1 | x | 0.90 | x | | | 2.13 | = | 7.67 | Sqm |
| | Door (Powerhouse Area) | 2 | x | 1 | x | 0.90 | x | | | 2.13 | = | 3.83 | Sqm |
| | Door (Colony (Tower# 02 & tower # 08)) | 2 | x | 1 | x | 0.90 | x | | | 2.13 | = | 3.83 | Sqm |
| | | | | | | | | | | Total | = | 15.33 | Sqm |
| | | | | | | | | | | | | | |
| 8 | Providing & Fixing Steel windows of standard tabular frame 40 x 40 mm and shutters 40 x 25 mm as per approved design of Engineer in Incharge. (WCSR -2022 P-20-4/37) | | | | | | | | | | | | |
| | Window (PTA Area) | 3 | x | 4 | x | 1.77 | x | | | 0.750 | = | 15.93 | Sqm |

| | | | | | | | | | | | | | |
|-----|--|---|---|---|---|-------|---|-------|---|--------------|---|---------------|------------|
| | Window (Power house) | 2 | x | 4 | x | 1.77 | x | | | 0.750 | = | 10.62 | Sqm |
| | Window (Colony) | 5 | x | 4 | x | 1.77 | x | | | 0.750 | = | 26.55 | Sqm |
| | | | | | | | | | | Total | = | 53.1 | Sqm |
| | | | | | | | | | | | | | |
| 9 | Topping of cement concrete (1:2:4) including surface finishing & dividing into panels: b) 40 mm (WCSR -2022 P-9-2/9 (b) | | | | | | | | | | | | |
| | PTA check post roof topping | 1 | x | 1 | x | 7.01 | x | 4.57 | | | = | 32.0 4 | Sqm |
| | Power house gate check post roof | 1 | x | 1 | x | 9.14 | x | 9.29 | | | = | 84.9 1 | Sqm |
| | Power house gate check post floor | 1 | x | 1 | x | 6.86 | x | 4.11 | | | = | 28.1 9 | Sqm |
| | Colony gate check post roof | 1 | x | 1 | x | 3.35 | x | 3.35 | | | = | 11.2 2 | Sqm |
| | | | | | | | | | | Total | = | 156.36 | Sqm |
| | | | | | | | | | | | | | |
| 10 | Distempering Two coats. (Inner Sidewall & ceiling). (WCSR-2022-P-10-2/16(b)) | | | | | | | | | | | | |
| i) | <u>PTA Area</u> | | | | | | | | | | | | |
| | Ground Floor I/S | 4 | x | 2 | x | (2.00 | + | 2.00) | | 3.000 | = | 96.0 0 | Sqm |
| | Ground Floor ceiling | 4 | x | 1 | x | 2.000 | x | | | 2.000 | = | 16.0 0 | Sqm |
| | 1st floor I/S | 4 | x | 2 | x | (2.00 | + | 2.00) | | 2.935 | = | 93.9 2 | Sqm |
| | 1st Floor ceiling | 4 | x | 1 | x | 2.000 | x | | | 2.000 | = | 16.0 0 | Sqm |
| | Check post at PTA Area | 1 | x | 2 | x | (6.55 | + | 3.96) | x | 3.000 | = | 63.0 6 | Sqm |
| | | | | | | | | | | | | | |
| ii) | <u>Power House</u> | | | | | | | | | | | | |
| | Ground Floor I/S | 3 | x | 2 | x | (2.00 | + | 2.00) | | 3.000 | = | 72.0 0 | Sqm |

| | | | | | | | | | | | | | |
|------|----------------------------------|----|---|---|---|---------|---|-------------|---|----------------------|---|--------------------|------------|
| | Ground Floor ceiling | 3 | x | 1 | x | 2.000 | x | | | 2.000 | = | 12.0 0 | Sqm |
| | 1st floor I/S | 3 | x | 2 | x | (2.00 | + | 2.00) | | 2.935 | = | 70.4 4 | Sqm |
| | 1st Floor ceiling | 3 | x | 1 | x | 2.000 | x | | | 2.000 | = | 12.0 0 | Sqm |
| | check post at power house gate | 1 | x | 2 | x | (9.14 | + | 9.29) | x | 3.000 | = | 110. 58 | Sqm |
| | | | | | | | | | | | | | |
| iii) | <u>Residential Colony</u> | | | | | | | | | | | | |
| | Ground Floor I/S | 7 | x | 2 | x | (2.00 | + | 2.00) | | 3.000 | = | 168. 00 | Sqm |
| | Ground Floor ceiling | 7 | x | 1 | x | 2.000 | x | | | 2.000 | = | 28.0 0 | Sqm |
| | 1st floor I/S | 7 | x | 2 | x | (2.00 | + | 2.00) | | 2.935 | = | 164. 36 | Sqm |
| | 1st Floor ceiling | 7 | x | 1 | x | 2.000 | x | | | 2.000 | = | 28.0 0 | Sqm |
| | Check post at colony gate | 1 | x | 2 | x | (3.35 | + | 3.35) | x | 3.000 | = | 40.2 0 | Sqm |
| | | | | | | | | | | Total (A) | = | 950. 36 | Sqm |
| | | | | | | | | | | | | | |
| | <u>DEDUCTION.</u> | | | | | | | | | | | | |
| | Door (Watch tower) | 14 | x | 1 | x | 0.90 | x | | | 2.135 | = | 26.9 0 | Sqm |
| | Window (Watch tower) | 14 | x | 4 | x | 1.77 | x | | | 0.750 | = | 74.3 4 | Sqm |
| | Door (Check post) | 3 | x | 1 | x | 1.77 | x | | | 0.750 | = | 3.98 | Sqm |
| | Window (Check post) | 6 | x | 1 | x | 0.91 | x | | | 1.220 | = | 6.66 | Sqm |
| | | | | | | | | | | Total (B) | = | 111. 88 | Sqm |
| | | = | | | | 950.360 | - | 111.8 80 | | | = | 838. 48 | Sqm |

| | |
|----|--|
| 11 | Painting door & window two Coats (WCSR-2022 P-12-1/4 ©) |
|----|--|

| | | | | | | | | | | | | |
|----------------------|----|---|---|---|------|---|--|--|-------|---|-------|-----|
| Door (Watch tower) | 14 | x | 1 | x | 0.90 | x | | | 2.135 | = | 26.90 | Sqm |
| Window (Watch tower) | 14 | x | 4 | x | 1.77 | x | | | 0.750 | = | 74.34 | Sqm |
| Door (Check post) | 3 | x | 1 | x | 1.77 | x | | | 0.750 | = | 3.98 | Sqm |

| | | | | | | | | | | | | |
|---------------------|---|---|---|---|------|---|--|--|--------------|---|---------------|------------|
| Window (Check post) | 7 | x | 1 | x | 0.91 | x | | | 1.220 | = | 7.77 | Sqm |
| | | | | | | | | | Total | = | 112.99 | Sqm |

| | | | | | | | | | | | | | |
|------|---|---------------|---|---|---|----------|---|------|--------|-----------|----------|----------|-----|
| 12 | Weather shield paint three coats on new cement plaster surface. (WCSR -2022 P-13-18/61) | | | | | | | | | | | | |
| i) | PTA Area | | | | | | | | | | | | |
| | Watch Tower(04 nos) Out side | 4 | x | 4 | x | 2.46 | x | 7.90 | | | = | 310.94 | Sqm |
| | Top. | 4 | x | 2 | x | 3.66 | x | 2.20 | | | = | 64.42 | Sqm |
| | | | | | | | 2 | | | | | | |
| | PTA Entrance gate Checkpost | 1 | x | 4 | x | 7.01 | x | 4.60 | | | = | 128.98 | Sqm |
| | Shade check post | 1 | x | 2 | x | 7.62 | x | 0.45 | | | = | 6.86 | Sqm |
| | | 1 | x | 1 | x | 4.87 | x | 0.76 | | | = | 3.70 | Sqm |
| ii) | Power House | | | | | | | | | | | | |
| | Watch Tower(03 nos) Out side | 3 | x | 4 | x | 2.46 | x | 7.90 | | | = | 233.21 | Sqm |
| | Top. | 3 | x | 2 | x | 3.66 | x | 2.20 | | | = | 48.31 | Sqm |
| | | | | | | | 2 | | | | | | |
| | Power house Entrance gate Checkpost | 1 | x | 4 | x | 9.14 | x | 9.29 | | | = | 339.64 | Sqm |
| iii) | Resdiential Colony | | | | | | | | | | | | |
| | Watch Tower(07 nos) Out side | 7 | x | 4 | x | 2.46 | x | 7.90 | | | = | 544.15 | Sqm |
| | Top. | 7 | x | 2 | x | 3.66 | x | 2.20 | | | = | 112.73 | Sqm |
| | | | | | | | 2 | | | | | | |
| | colony gate Entrance gate Checkpost | 1 | x | 4 | x | 3.35 | x | 3.35 | | | = | 44.89 | Sqm |
| | | | | | | | | | | Total (A) | = | 1,837.83 | Sqm |
| | | | | | | | | | | | | | |
| | Deduction: | | | | | | | | | | | | |
| | Door (Watch tower) | 14 | x | 1 | x | 0.90 | x | | | 2.135 | = | 26.90 | Sqm |
| | Window (Watch tower) | 14 | x | 4 | x | 1.77 | x | | | 0.750 | = | 74.34 | Sqm |
| | Door (Check post) | 3 | x | 1 | x | 1.77 | x | | | 0.750 | = | 3.98 | Sqm |
| | Window (Check post) | 7 | x | 1 | x | 0.91 | x | | | 1.220 | = | 7.77 | Sqm |
| | | | | | | | | | | Total B) | = | 112.99 | Sqm |
| | | | | | | | | | | | | | |
| | | Total (A-B) = | | | | 1,837.83 | + | | 112.99 | = | 1,724.84 | Sqm | |

| | | | | | | | | | | | | | |
|----|---|----|---|---|---|-------|---|-------|---|--------------|---|----------|-----|
| 13 | Providing & Fixing steel ladder for overhead tank made of angle iron 50 x 50 x 6mm with 15 mm dia MS bars step 375 mm post including side supports of angle iron 50 x 50 x 6mm complete in all respects. (WCSR-2022 P-20-6 I-61) | | | | | | | | | | | | |
| | Ladder (PTA Area) | 3 | x | 1 | x | | x | | | 3.660 | = | 10.98 | M |
| | | | | | | | | | | Total | = | 10.98 | M |
| | | | | | | | | | | | | | |
| 14 | Glazing with panes, Glass panes 680 to 737 gm used with deodar wood fillet and putty. (WCSR-2022 P-11-6 I-40(c)) | | | | | | | | | | | | |
| | Window Glass for PTA Watch tower | 4 | x | 4 | x | 1.770 | x | | | 0.750 | = | 12.00 | Sqm |
| | Window Glass for PTA Check post | 1 | x | 2 | x | 0.910 | x | | | 1.220 | = | 2.44 | Sqm |
| | Window Glass for P/house Watch tower | 3 | x | 4 | x | 1.770 | x | | | 0.750 | = | 9.00 | Sqm |
| | Window Glass for P/house Check post | 1 | x | 2 | x | 0.910 | x | | | 1.220 | = | 2.44 | Sqm |
| | Window Glass for Colony Watch tower | 7 | x | 4 | x | 1.770 | x | | | 0.750 | = | 21.00 | Sqm |
| | Window Glass for Colony gate check post | 1 | x | 2 | x | 0.910 | x | | | 1.220 | = | 2.44 | Sqm |
| | | | | | | | | | | Total | = | 49.32 | Sqm |
| 15 | Galvanized wire guaze 22SWG fixed with 20mm strips on separate 50 x 50 mm deodar wood frame. WCSR-2022, P-11-3, I-11(d) | | | | | | | | | | | | |
| | Window Glass for PTA Check post | 1 | x | 2 | x | 0.910 | x | | | 1.220 | = | 2.44 | Sqm |
| | Window Glass for P/house Check post | 1 | x | 2 | x | 0.910 | x | | | 1.220 | = | 2.44 | Sqm |
| | Window Glass for Colony gate check post | 1 | x | 2 | x | 0.910 | x | | | 1.220 | = | 2.44 | Sqm |
| | | | | | | | | | | Total | = | 7.32 | Sqm |
| 16 | Providing & fixing flush door leaf as per CDO standard drawing. (WCSR-P-2022/P-11-7/42) | | | | | | | | | | | | |
| | Power house gate Check post | 4 | x | 1 | x | 3.00 | x | 7.00 | | | = | 84.00 | Sft |
| | | | | | | | | | | Total | = | 84.00 | Sft |
| | | | | | | | | 84.00 | / | 10.760 | = | 7.81 | Sqm |
| | | | | | | | | | | | | | |
| 17 | Jungle clearance. (WCSR-P-2022/P-20-1/03) | | | | | | | | | | | | |
| | | 14 | x | 1 | x | 15.00 | x | 15.00 | | | = | 3,150.00 | Sft |
| | | | | | | | | | | Total | = | 3,150.00 | Sft |

| | | | | | | | | | | | | |
|--|--|--|--|--|--|--|----------|---|--------|---|--------|-----|
| | | | | | | | 3,150.00 | / | 10.760 | = | 292.75 | Sqm |
| | | | | | | | | | | | | |

| NAME OF WORK | ESTIMATE FOR CONSTR TUCTION OF 02 NO'S BATHROOM AT INTAKE AREA TPS, JAMSHORO | | | | |
|---|---|------|-------|---------------|----------------|
| <u>ABSTRSCT OF COST</u> | | | | | |
| <u>Part-D (Construction of 02 no's bathroom at intake area)</u> | | | | | |
| No | Name of item. | Unit | Qty | Rate | Amount |
| 1 | Excavation in shingle or gravel formation and rock not requiring blasting undressed lead upto 50 m. (WCSR -2022 P-2-1/4 (a) | Cum | 36.69 | Rs. 704.95 | Rs. 25,864.62 |
| 2 | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) without shuttering. Ratio:1:4:8 (WCSR -2022 P-5-1/2 (b) | Cum | 2.78 | Rs. 8,665.60 | Rs. 24,090.37 |
| 3 | Bricks work in foundation and plinth in Cement sand mortar. Ratio: 1:5 (WCSR -2022 P-6-1/1) | Cum | 23.38 | Rs. 11,225.39 | Rs. 262,449.62 |
| 4 | Damp proof course with (cement, sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture. 38 mm thick. (WCSR -2022 P-6-4/25 (a) | Sqm | 6.05 | Rs. 881.12 | Rs. 5,330.78 |
| 5 | Bricks work in ground floor (including striking of joints) in Cement sand mortar. Ratio; 1:5 (WCSR -2022 P-6-1/2) | Cum | 6.89 | Rs. 12,057.09 | Rs. 83,073.35 |
| 6 | Filling watering and ramming earth under floors with surplus earth from foundation (WCSR -2022 P-2-5/26) | Cum | 12.23 | Rs. 353.00 | Rs. 4,317.19 |
| 7 | Supplying and filling sand under floors or plugging in wells (WCSR -2022 P-6-4/24) | Cum | 0.46 | Rs. 1,724.19 | Rs. 793.13 |

| | | | | | |
|----|--|-----|--------|---------------|---------------|
| 8 | Reinforced cement concrete work using coarse sand except the cost of steel reinforcement and its labour for bending and binding. This rate also includes all kinds of forms moulds; lifting shuttering, curing, rendering and finishing the exposed surface (including screening and washing of shingle). Ratio: 1:2:4 (WCSR -2022 P-5-2/3 (a) | Cum | 2.18 | Rs. 23,643.87 | Rs. 51,543.64 |
| 9 | Supplying and fabrication of Intermediate grade deformed reinforcement for R.C.C. in slabs, beams, columns and pile caps, including cutting, bending laying in position including cost of binding wire; 5.8 a. 40,000 psi (276 MPa) yield (WCSR -2022 P-5-3/6 (a) | Kg | 308.43 | Rs. 250.66 | Rs. 77,311.06 |
| 10 | Cement plaster (1:4) upto 1 st floor height (WCSR -2022 P-10-1/5 (b) | Sqm | 189.17 | Rs. 374.06 | Rs. 70,760.93 |
| 11 | Providing fixing flush door leaf as per standard design of CDO. (WCSR-2022 P-11-7/42) | Sqm | 3.01 | Rs. 6,109.00 | Rs. 18,388.09 |
| 12 | Providing & fixing bent metal 16 SWG frame 250 mm wide for door size 750 mm x 2.134 m. (WCSR-2022 P-20-5 I-44) | Sqm | 3.02 | Rs. 3,953.39 | Rs. 11,939.24 |
| 13 | Topping of cement concrete (1:2:4) including surface finishing & dividing into panels: (b) 40 mm (WCSR -2022 P-9-2/9 (b) | Sqm | 11.87 | Rs. 667.49 | Rs. 7,923.11 |
| 14 | Destempring Two coats (WCSR-2022-P-10-2/16(b)) | Sft | 94.38 | Rs. 113.00 | Rs. 10,664.94 |
| 15 | Painting new surface. Preparing surface and Painting door and windows any type. One primer and two subsequent coats. (WCSR -2022 P-12-3/5(c i+ii)) | Sqm | 2.97 | Rs. 637.44 | Rs. 1,893.20 |
| 16 | Weather shield paint three coats on new cement plaster surface. (WCSR -2022 P-10-03/24) | Sft | 58.13 | Rs. 357.87 | Rs. 20,802.98 |
| 17 | White glazed earthenware wash hand basin domestic of supreme quality. (65mm thick) (WCSR 2022 P-13-18/64) | No | 2.00 | Rs. 2,615.25 | Rs. 5,230.50 |
| 18 | White glazed earthenware pedestal for wash hand basin domestic of supreme quality. (WCSR-2022 P-13-18/65) | No | 2.00 | Rs. 2,066.65 | Rs. 4,133.30 |

| | | | | | |
|----|--|-----|-------|--------------|---------------|
| 19 | White glazed earthen ware water closet squatting type domestic orrisa pattern of best quality. (WCSR-2022 P-13-18/62) | No | 2.00 | Rs. 5,735.25 | Rs. 11,470.50 |
| 20 | Low level flushing cistern 13.5 litres capacity best quality. (WCSR-2022 P-13-19/70 (a)) | No | 2.00 | Rs. 3,396.34 | Rs. 6,792.68 |
| 21 | Floor trap 100mm x 50mm (including 50mm concrete chamber all round with CP grating). (WCSR-2022 P-13-23 I-108) | No | 4.00 | Rs. 779.50 | Rs. 3,118.00 |
| 22 | Providing & Fixing Bib tap 25mm (1"dia). (WCSR-2022 22-02 I-44) | No | 4.00 | Rs. 304.00 | Rs. 1,216.00 |
| 23 | Providing, lowering & laying into trenches and jointing cement concrete reinforced pipeline to correct alignment & grade including cutting of pipes where necessary cost of jointing material & testing with internal diameter 100mm. (WCSR 2022 Page 13-8 item 23(a)) | RM | 92.00 | Rs. 821.37 | Rs. 75,566.04 |
| 24 | Providing, laying and testing heavy water or stream quality G.I or W.I pipes and special inside building and trenches. (WCSR 2022 Page 13-12 I-36) | Sqm | 7.43 | Rs. 416.21 | Rs. 3,092.44 |
| 25 | C.I Soil pipes (with lead chaulked joints cement joints) 100mm dia. (WCSR 2022 Page 13-23 I-112) | RM | 10.00 | Rs. 3,423.87 | Rs. 34,238.70 |
| 26 | P or S Trap (100 mm dia). (WCSR 2022 Page 13-23 I-112) | No | 6.00 | Rs. 507.73 | Rs. 3,046.38 |
| 27 | PVC flushing bend (32 mm dia). (WCSR 2022 Page 13-21 I-87) | No | 2.00 | Rs. 173.34 | Rs. 346.68 |
| 28 | waste pipe wash hand basin 32 mm dia. (WCSR 2022 Page 13-21 I-88) | No | 2.00 | Rs.173.34 | Rs. 346.68 |
| 29 | Connection PVC 13mm dia. (WCSR 2022 Page 13-21 I-92) | No | 4.00 | Rs. 306.88 | Rs. 1,227.52 |
| 30 | C.P Tee stop cock. (13mm dia) (WCSR 2022 Page 13-21 I-94) | No | 4.00 | Rs. 787.19 | Rs. 3,148.76 |
| 31 | Brass ball valves having diameter. (WCSR 2022 Page 13-21 I-93) | No | 2.00 | Rs. 494.44 | Rs. 988.88 |

| | | | | | |
|----|--|----|------|------------------|-----------------------|
| 32 | Looking glass mirror 550mm x 400mm size 1st quality (without frame). (WCSR 2022 Page 13-20 I-77) | No | 2.00 | Rs. 1,223.41 | Rs. 2,446.82 |
| 33 | C.P Pillar Cocks. (13mm dia) (WCSR 2022 Page 13-20 I- 80) | No | 2.00 | Rs. 823.39 | Rs. 1,646.78 |
| | | | | Total (D) | Rs. 835,202.91 |

| NAME OF WORK | <u>ESTIMATE FOR CONSTRTUCTION OF 02 NO'S BATH ROOM AT INTAKE AREA TPS, JAMSHORO.</u> | | | | | | | | | | | | |
|---|---|----|---|---|---|------|---|------|--|--------------|----------|--------------|------------|
| <u>ABSTRACT OF QTY:</u> | | | | | | | | | | | | | |
| <u>Part-D (Construction of 02 no's bath room at intake area)</u> | | | | | | | | | | | | | |
| No | Description | No | | | | L | | B | | H | | Contents | |
| 1 | Excavation in shingle or gravel formation and rock not requiring blasting undressed lead upto 50 m. (WCSR -2022 P-2-1/4 (a)) | | | | | | | | | | | | |
| | Horitental | 1 | x | 2 | x | 4.50 | x | 0.76 | | 1.220 | = | 8.34 | Cum |
| | Vertical | 1 | x | 3 | x | 1.14 | x | 0.76 | | 1.200 | = | 3.12 | Cum |
| | Main hole | 6 | x | 1 | x | 1.52 | x | 1.52 | | 1.820 | = | 25.23 | Cum |
| | | | | | | | | | | Total | = | 36.69 | Cum |
| 2 | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) without shuttering. Ratio:1:4:8 (WCSR -2022 P-5-1/2 (b)) | | | | | | | | | | | | |
| | Horitental foundation | 1 | x | 2 | x | 4.50 | x | 0.76 | | 0.100 | = | 0.68 | Cum |
| | Vertical foundation | 1 | x | 3 | x | 1.14 | x | 0.76 | | 0.100 | = | 0.26 | Cum |
| | Floor | 1 | x | 2 | x | 1.50 | x | 1.50 | | 0.100 | = | 0.45 | Cum |
| | Main hole | 6 | x | 1 | x | 1.52 | x | 1.52 | | 0.100 | = | 1.39 | Cum |
| | | | | | | | | | | Total | = | 2.78 | Cum |
| 3 | Bricks work in foundation and plinth in Cement sand mortar. Ratio: 1:5 (WCSR -2022 P-6-1/1) | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|------|---|-------|--|----------------|---|--------------|------------|
| | 1st step | 1 | x | 2 | x | 3.96 | x | 0.58 | | 0.150 | = | 0.69 | Cum |
| | | 1 | x | 3 | x | 2.29 | x | 0.58 | | 0.150 | = | 0.60 | Cum |
| | 2nd | 1 | x | 2 | x | 3.66 | x | 0.46 | | 0.150 | = | 0.51 | Cum |
| | | 1 | x | 3 | x | 1.98 | x | 0.46 | | 0.150 | = | 0.41 | Cum |
| | 3 rd Step | 1 | x | 2 | x | 3.66 | x | 0.35 | | 0.150 | = | 0.38 | Cum |
| | | 1 | x | 3 | x | 1.98 | x | 0.35 | | 0.150 | = | 0.31 | Cum |
| | 4 th | 1 | x | 2 | x | 3.66 | x | 0.75 | | 1.220 | = | 6.70 | Cum |
| | | 1 | x | 2 | x | 1.98 | x | 0.75 | | 1.220 | = | 3.62 | Cum |
| | | 1 | x | 2 | x | 1.98 | x | 0.50 | | 1.220 | = | 2.42 | Cum |
| | Main hole | 6 | x | 2 | x | 1.07 | x | 0.22 | | 1.370 | = | 3.87 | Cum |
| | | 6 | x | 2 | x | 1.07 | x | 0.22 | | 1.370 | = | 3.87 | Cum |
| | | | | | | | | | | Total | = | 23.38 | Cum |
| | | | | | | | | | | | | | |
| 4 | Damp proof course with (cement, sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture. 38 mm thick. (WCSR -2022 P-6-4/25 (a) | | | | | | | | | | | | |
| | DPC Horizontal wall | 2 | x | 2 | x | 3.66 | x | 0.228 | | | = | 3.34 | Sqm |
| | DPC Vertical wall | 2 | x | 3 | x | 1.98 | x | 0.228 | | | = | 2.71 | Sqm |
| | | | | | | | | | | Total | = | 6.05 | Sqm |
| | | | | | | | | | | | | | |
| 5 | Bricks work in ground floor (including striking of joints) in Cement sand mortar. Ratio; 1:5 (WCSR -2022 P-6-1/2) | | | | | | | | | | | | |
| | Above DPC bath V/walls | 1 | x | 2 | x | 3.66 | x | 0.228 | | 2.276 | = | 3.80 | Cum |
| | Above DPC bath H/walls | 1 | x | 2 | x | 1.98 | x | 0.228 | | 2.276 | = | 2.05 | Cum |
| | H/Wall b/w 02 bath | 1 | x | 1 | x | 1.98 | x | 0.150 | | 2.276 | = | 0.68 | Cum |
| | Overhead tank foundation pillar | 4 | x | 1 | x | 0.23 | x | 0.228 | | 0.304 | = | 0.06 | Cum |
| | Overhead tank V/walls | 2 | x | 1 | x | 1.45 | x | 0.228 | | 1.066 | = | 0.70 | Cum |
| | Overhead tank H/walls | 2 | x | 1 | x | 0.91 | x | 0.228 | | 1.066 | = | 0.44 | Cum |
| | | | | | | | | | | Total A | = | 7.73 | Cum |
| | <u>DEDUCTION.</u> | | | | | | | | | | | | |
| | Ventilator | 1 | x | 2 | x | 0.60 | x | 0.228 | | 0.600 | = | 0.16 | Cum |
| | Door | 1 | x | 2 | x | 0.75 | x | 0.228 | | 1.980 | = | 0.68 | Cum |
| | | | | | | | | | | Total B | = | 0.84 | Cum |

| | | | | | | | | | | | | |
|---|---|---|---|---|-------|------|-------|------|--------------|-------|--------------|------------|
| | | = | | | 7.730 | - | 0.840 | | Total | = | 6.89 | Cum |
| | | | | | | | | | | | | |
| 6 | Filling watering and ramming earth under floors with surplus earth from foundation (WCSR -2022 P-2-5/26) | | | | | | | | | | | |
| | Qty 1/3 of item No 1 | | | = | | | 36.69 | / | 3 | = | 12.23 | Cum |
| | | | | | | | | | Total | = | 12.23 | Cum |
| | | | | | | | | | | | | |
| 7 | Supplying and filling sand under floors or plugging in wells (WCSR -2022 P-6-4/24) | | | | | | | | | | | |
| | Floor of bath | 1 | x | 2 | x | 1.52 | X | 1.52 | | 0.100 | = | 0.46 Cum |
| | | | | | | | | | Total | = | 0.46 | Cum |
| | | | | | | | | | | | | |
| 8 | Reinforced cement concrete work using coarse sand except the cost of steel reinforcement and its labour for bending and binding. This rate also includes all kinds of forms moulds; lifting shuttering, curing, rendering and finishing the exposed surface (including screening and washing of shingle). Ratio: 1:2:4 (WCSR -2022 P-5-2/3 (a) | | | | | | | | | | | |
| | intel Door | 2 | x | 1 | x | 1.07 | X | 0.23 | | 0.150 | = | 0.07 Cum |
| | Lintel Ventilator | 2 | x | 1 | x | 0.91 | X | 0.23 | | 0.150 | = | 0.06 Cum |
| | Top beam Horizontal | 1 | x | 2 | x | 3.66 | X | 0.23 | | 0.230 | = | 0.39 Cum |
| | Top beam Vertical | 1 | x | 2 | x | 1.98 | X | 0.23 | | 0.230 | = | 0.21 Cum |
| | Top beam vertical (B/w 2 bath) | 1 | x | 1 | x | 1.98 | X | 0.15 | | 0.230 | = | 0.07 Cum |
| | Roof | 1 | x | 1 | x | 3.96 | X | 2.29 | | 0.076 | = | 0.69 Cum |
| | Overhead tank slab | 1 | x | 1 | x | 1.14 | X | 1.45 | | 0.101 | = | 0.17 Cum |
| | Main hole Covers | 6 | x | 1 | x | 1.07 | X | 1.07 | | 0.076 | = | 0.52 Cum |
| | | | | | | | | | Total | = | 2.18 | Cum |
| | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|----|---|---|---|----|---|--------|---|-------|--|--------------|---|---------------|-----------|
| 9 | Supplying and fabrication of Intermediate grade deformed reinforcement for R.C.C. in slabs, beams, columns and pile caps, including cutting, bending laying in position including cost of binding wire; 5.8 a. 40,000 psi (276 MPa) yield (WCSR -2022 P-5-3/6 (a) | | | | | | | | | | | | |
| | Lintel Door (10 mm Dia) | 1 | x | 5 | x | 1.07 | @ | 0.62 | | Kg/M | = | 3.32 | Kg |
| | | 1 | x | 8 | x | 0.91 | @ | 0.62 | | Kg/M | = | 4.51 | Kg |
| | Ventilator (10mm dia) | 2 | x | 4 | x | 0.91 | @ | 0.99 | | Kg/M | = | 7.21 | Kg |
| | | 2 | x | 6 | x | 0.91 | @ | 0.62 | | Kg/M | = | 6.77 | Kg |
| | Top Beam (Horizontal bar) | 2 | x | 5 | x | 3.66 | @ | 0.99 | | Kg/M | = | 36.23 | Kg |
| | Top Beam (Vertical bar) | 2 | x | 5 | x | 1.98 | @ | 0.99 | | Kg/M | = | 19.60 | Kg |
| | Top Beam (Horizontal bar) | 1 | x | 5 | x | 1.98 | @ | 0.99 | | Kg/M | = | 9.80 | Kg |
| | | 4 | x | 2 | x | 2.46 | @ | 0.62 | | Kg/M | = | 12.20 | Kg |
| | Beam Ring (Horitental) | 2 | x | 24 | x | 1.07 | @ | 0.62 | | Kg/M | = | 31.84 | Kg |
| | Beam Ring (Vertical) | 2 | x | 13 | x | 1.07 | @ | 0.62 | | Kg/M | = | 17.25 | Kg |
| | Beam Ring (Vertical b/w bath) | 2 | x | 13 | x | 0.91 | @ | 0.62 | | Kg/M | = | 14.67 | Kg |
| | 1st Slab / Roof (Horizontal) | 1 | x | 25 | x | 3.81 | @ | 0.62 | | Kg/M | = | 59.06 | Kg |
| | Roof (Vertical) | 1 | x | 14 | x | 2.13 | @ | 0.62 | | Kg/M | = | 18.49 | Kg |
| | Overhead tank B/slab | 1 | x | 9 | x | 1.37 | @ | 0.62 | | Kg/M | = | 7.64 | Kg |
| | | 1 | x | 7 | x | 1.07 | @ | 0.62 | | Kg/M | = | 4.64 | Kg |
| | Main hole slab / covers | 6 | x | 14 | x | 1.06 | @ | 0.62 | | Kg/M | = | 55.20 | Kg |
| | | | | | | | | | | Total | = | 308.43 | Kg |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 10 | Cement plaster (1:4) upto 1 st floor height (WCSR -2022 P-10-1/5 (b) | | | | | | | | | | | | |
| | In side bath | 2 | x | 2 | x | (5.00 | + | 5.00) | | 8.50 | = | 340.00 | Sft |
| | Inside roof | 2 | x | 1 | x | 5.00 | | | | 5.00 | = | 50.00 | Sft |
| | Out side bath | 2 | x | 2 | x | (12.00 | + | 6.50) | | 9.00 | = | 666.00 | Sft |
| | Main hole inner side | 6 | x | 2 | x | (3.5 | + | 3.50) | | 4.50 | = | 378.00 | Sft |
| | Main hole outside | 6 | x | 2 | x | (4.5 | + | 4.50) | | 4.50 | = | 486.00 | Sft |
| | Overhead tank foundation pillar | 4 | x | 2 | x | (0.75 | + | 0.75) | | 1.00 | = | 12.00 | Sft |
| | Overhead tank walls I/side | 1 | x | 2 | x | (4.00 | + | 3.00) | | 3.50 | = | 49.00 | Sft |

| | | | | | | | | | | | | | |
|----|---|---|---|---|---|-----------|---|-----------|---|----------------|---|-----------------|------------|
| | Overhead tank I/side slab | 1 | x | 1 | x | 4.00 | | | | 3.00 | = | 12.00 | Sft |
| | Overhead tank Walls O/side | 1 | x | 2 | x | (4.75 | + | 3.75) | | 3.83 | = | 65.11 | Sft |
| | Overhead tank O/side slab bottom | 1 | x | 1 | x | 4.75 | | | | 3.75 | = | 17.81 | Sft |
| | | | | | | | | | | Total A | = | 2,075.92 | Sft |
| | <u>DEDUCTION.</u> | | | | | | | | | | | | |
| | Ventilator | 1 | x | 2 | x | 2.00 | | | | 2.000 | = | 8.00 | Sft |
| | Door | 1 | x | 2 | x | 2.50 | | | | 6.500 | = | 32.50 | Sft |
| | | | | | | | | | | Total B | = | 40.50 | sft |
| | | = | | | | 2,075.920 | - | 40.500 | | Total | = | 2035.42 | Sft |
| | | | | | | | | 2,035.420 | / | 10.76 | = | 189.17 | Sqm |
| | | | | | | | | | | | | | |
| 11 | Providing fixing flush door leaf as per standred design of CDO. (WCSR-2022 P-11-7/42) | | | | | | | | | | | | |
| | Door | 2 | x | 1 | x | 0.76 | x | | | 1.98 | = | 3.01 | Sqm |
| | | | | | | | | | | Total | = | 3.01 | Sqm |
| | | | | | | | | | | | | | |
| 12 | Providing & fixing bent metal 16 SWG frame 250 mm wide for door size 750 mm x 2.134 m. (WCSR-2022 P-20-5 I-44) | | | | | | | | | | | | |
| | Bath Chowkat | 2 | x | 1 | x | 2.5 | x | 6.5 | | | = | 32.50 | Sft |
| | | | | | | | | | | Total | = | 32.50 | Sft |
| | | | | | | | | | | | | | |
| | | | | | | | | 32.50 | / | 10.76 | = | 3.02 | Sqm |
| | | | | | | | | | | | | | |
| 13 | Topping of cement concrete (1:2:4) including surface finishing & dividing into panels: (b) 40 mm (WCSR -2022 P-9-2/9 (b) | | | | | | | | | | | | |
| | Floor | 1 | x | 2 | x | 1.52 | x | 1.52 | | | = | 4.62 | Sqm |
| | Roof | 1 | x | 1 | x | 3.66 | x | 1.98 | | | = | 7.25 | Sqm |
| | | | | | | | | | | Total | = | 11.87 | Sqm |
| | | | | | | | | | | | | | |
| 14 | Destempring Two coats (WCSR-2022-P-10-2/16(b)) | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|----|---|---|---|---|---|-----------|---|-----------|---|----------------|---|-----------------|------------|
| | In side bath | 2 | x | 2 | x | (5.00 | + | 5.00) | | 8.500 | = | 340.00 | Sft |
| | Inside roof | 2 | x | 1 | x | 5.00 | | | | 5.000 | = | 50.00 | Sft |
| | Out side bath | 2 | x | 2 | x | (12.00 | + | 6.50) | | 9.000 | = | 666.00 | Sft |
| | | | | | | | | | | Total A | = | 1,056.00 | Sft |
| | <u>DEDUCTION.</u> | | | | | | | | | | | | |
| | Ventilator | 1 | x | 2 | x | 2.00 | | | | 2.000 | = | 8.00 | Sft |
| | Door | 1 | x | 2 | x | 2.50 | | | | 6.500 | = | 32.50 | Sft |
| | | | | | | | | | | Total B | = | 40.50 | sft |
| | | = | | | | 1,056.000 | - | 40.500 | | Total | = | 1015.5 | Sft |
| | | | | | | | | 1,015.500 | / | 10.76 | = | 94.38 | Sqm |
| | | | | | | | | | | | | | |
| 15 | Painting new surface. Preparing surface and Painting door and windows any type. One primer and two subsequent coats. (WCSR -2022 P-12-3/5(c i+ii)) | | | | | | | | | | | | |
| | Door | 1 | x | 2 | x | 0.75 | x | | | 1.980 | = | 2.97 | Sqm |
| | | | | | | | | | | Total | = | 2.97 | Sqm |
| | | | | | | | | | | | | | |
| 16 | Weather shield paint three coats on new cement plaster surface. (WCSR -2022 P-10-03/24) | | | | | | | | | | | | |
| | Out side bath | 2 | x | 2 | x | (12.00 | + | 6.50) | | 9.000 | = | 666.00 | Sft |
| | | | | | | | | | | Total A | = | 666.00 | Sft |
| | <u>DEDUCTION.</u> | | | | | | | | | | | | |
| | Ventilator | 1 | x | 2 | x | 2.00 | | | | 2.000 | = | 8.00 | Sft |
| | Door | 1 | x | 2 | x | 2.50 | | | | 6.500 | = | 32.50 | Sft |
| | | | | | | | | | | Total B | = | 40.50 | sft |
| | | = | | | | 666.000 | - | 40.500 | | Total | = | 625.5 | Sft |
| | | | | | | | | 625.500 | / | 10.76 | = | 58.13 | Sqm |

| | | | | | | | | | | | | | |
|----|---|---|---|---|--|---|--|--|--|--------------|---|-------------|-----------|
| 17 | White glazed earthenware wash hand basin domestic of supreme quality. (65mm thick) (WCSR 2022 P-13-18/64) | | | | | | | | | | | | |
| | Wash hand basin | 1 | x | 2 | | | | | | | = | 2.00 | No |
| | | | | | | | | | | Total | = | 2.00 | No |
| 18 | White glazed earthenware pedestal for wash hand basin domestic of supreme quality. (WCSR-2022 P-13-18/65) | | | | | | | | | | | | |
| | Wash Basin Pedestal | 1 | x | 2 | | | | | | | = | 2.00 | No |
| | | | | | | | | | | Total | = | 2.00 | No |
| 19 | White glazed earthenware water closet squatting type domestic orrisa pattern of best quality. (WCSR-2022 P-13-18/62) | | | | | | | | | | | | |
| | WC | 1 | x | 2 | | | | | | | = | 2.00 | No |
| | | | | | | | | | | Total | = | 2.00 | No |
| 20 | Low level flushing cistern 13.5 litres capacity best quality. (WCSR-2022 P-13-19/70 (a)) | | | | | | | | | | | | |
| | Flush tank | 1 | x | 2 | | | | | | | = | 2.00 | No |
| | | | | | | | | | | Total | = | 2.00 | No |
| 21 | Floor trap 100mm x 50mm (including 50mm concrete chamber all round with CP grating). (WCSR-2022 P-13-23 I-108) | | | | | | | | | | | | |
| | Drain Jally for Bath | 2 | x | | | 2 | | | | | = | 4.00 | No |
| | | | | | | | | | | Total | = | 4.00 | No |
| 22 | Providing & Fixing Bib tap 25mm (1"dia). (WCSR-2022 22-02 I-44) | | | | | | | | | | | | |
| | Bib cock tap | 2 | x | | | 2 | | | | | = | 4.00 | No |

| | | | | | | | | | | | | | |
|----|---|---|---|---|---|---|--------|---|--------------|--------------|--------------|-------------|-----------|
| | | | | | | | | | | Total | = | 4.00 | No |
| | | | | | | | | | | | | | |
| 23 | Providing, lowering & laying into trenches and jointing cement concrete reinforced pipeline to correct alignment & grade including cutting of pipes where necessary cost of jointing material & testing with internal diameter 100mm. (WCSR 2022 Page 13-8 iem 23(a)) | | | | | | | | | | | | |
| | Sewerage Line 100mm | 1 | x | 1 | x | | 92.00 | | | | = | 92.00 | RM |
| | | | | | | | | | Total | = | 92.00 | RM | |
| 24 | Providing, laying and testing heavy water or stream quality G.I or W.I pipes and speacial inside building and trenches. (WCSR 2022 Page 13-12 I-36) | | | | | | | | | | | | |
| | 13mm dia G.I for fitting fresh water | 2 | x | 1 | x | | 40.00 | | | | = | 80.00 | Sft |
| | | | | | | | | | Total | = | 80.00 | Sft | |
| | | | | | | | 80.000 | / | 10.76 | = | 7.43 | Sqm | |
| 25 | C.I Soil pipes (with lead chaulked joints cement joints) 100mm dia. (WCSR 2022 Page 13-23 I-112) | | | | | | | | | | | | |
| | 100 mm dia | 2 | x | 1 | x | | 5.00 | | | | = | 10.00 | RM |
| | | | | | | | | | Total | = | 10.00 | RM | |
| 26 | P or S Trap (100 mm dia). (WCSR 2022 Page 13-23 I-112) | | | | | | | | | | | | |
| | P trap | 2 | x | 1 | x | 3 | | | | | = | 6.00 | No |
| | | | | | | | | | Total | = | 6.00 | No | |
| 27 | PVC flushing bend (32 mm dia). (WCSR 2022 Page 13-21 I-87) | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|----|---|--|---|---|---|---|---|--|--|-------|---|------|----|
| | PVC bend | | 2 | x | 1 | x | 1 | | | | = | 2.00 | No |
| | | | | | | | | | | Total | = | 2.00 | No |
| | | | | | | | | | | | | | |
| 28 | waste pipe wash hand basin 32 mm dia. (WCSR 2022 Page 13-21 I-88) | | | | | | | | | | | | |
| | waste pipe | | 2 | x | 1 | x | 1 | | | | = | 2.00 | No |
| | | | | | | | | | | Total | = | 2.00 | No |
| | | | | | | | | | | | | | |
| 29 | Connection PVC 13mm dia. (WCSR 2022 Page 13-21 I-92) | | | | | | | | | | | | |
| | | | 2 | x | 1 | x | 2 | | | | = | 4.00 | No |
| | | | | | | | | | | Total | = | 4.00 | No |
| | | | | | | | | | | | | | |
| 30 | C.P Tee stop cock. (13mm dia) (WCSR 2022 Page 13-21 I-94) | | | | | | | | | | | | |
| | C.P tee Stop cocks | | 2 | x | 1 | x | 2 | | | | = | 4.00 | No |
| | | | | | | | | | | Total | = | 4.00 | No |
| | | | | | | | | | | | | | |
| 31 | Brass ball valves having diameter. (WCSR 2022 Page 13-21 I-93) | | | | | | | | | | | | |
| | | | 1 | x | 1 | x | 2 | | | | = | 2.00 | No |
| | | | | | | | | | | Total | = | 2.00 | No |
| | | | | | | | | | | | | | |
| 32 | Looking glass mirror 550mm x 400mm size 1st quality (without frame). (WCSR 2022 Page 13-20 I-77) | | | | | | | | | | | | |
| | Glass Mirror | | 1 | x | 1 | x | 2 | | | | = | 2.00 | No |
| | | | | | | | | | | Total | = | 2.00 | No |
| | | | | | | | | | | | | | |
| 33 | C.P Pillar Cocks. (13mm dia) (WCSR 2022 Page 13-20 I- 80) | | | | | | | | | | | | |
| | Piller cock for wash basin | | 1 | x | 1 | x | 2 | | | | = | 2.00 | No |
| | | | | | | | | | | Total | = | 2.00 | No |

SUMMARY OF COST OF WORKS

| Est. No. | Name of Work | Estimated Cost | Total Amount Rs. |
|------------------------|--|----------------|-------------------------|
| A | NEW CONSTRUCTION OF 08 NO's WATCH TOWER IN RESIDENTIAL COLONY AND POWER HOUSE TPS, JAMSHORO | 4,979,505.60 | 4,979,505.60 |
| B | ESTIMATE FOR CONSTRUCTION OF 03 NO'S SECURITY CHECK POST AT THE ENTRANCE ROAD (ON DIFFERENT LOCATION) OF TPS, COLONY JAMSHORO. | 862,243.89 | 862,243.89 |
| C | R&M WORK OF 14 NO'S EXISTING WATCHTOWER & 03 NO'S CHECK POST | 2,471,849.78 | 2,471,849.78 |
| D | CONSTRUCTION OF 02 NOS. BATHROOM INTAKE AREA | 845,350.21 | 845,350.21 |
| Total (A+B+C+D) | | | Rs 9,158,949.48 |
| 15% SRB | | | Rs 1,373,842.42 |
| Total Amount | | | Rs 10,532,791.90 |

Supplementary Information

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

The contractors are persuaded to take care of item rates while quoting the rates. These are WAPDA schedule rates notified in 2022. The item rates may be quoted below or above, but the cost will be considered aggregate of all items.

Technical Proposal

(To be filled in by the contractor)

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

Site Organization

Organization chart indicating head office & field office personnel involved in management, supervision and engineering of the Works to be done under the Contract.

METHOD STATEMENT/ METHOD OF PERFORMING WORKS

The bidder is required to submit a narrative outlining the method of performing the Works. The narrative should indicate in detail and include but not be limited to:

- ✚ The sequence and methods in which he proposes to carry out the work, including the number of shifts per day and hours per shift, he expects to work.
- ✚ A list of all major items of constructional and erection plant, tools and vehicles proposed to be used in delivering / carrying out the Works at Site
- ✚ The procedure for installation of equipment and transportation of equipment and materials to the site.✚

Mobilization Schedule

The Contractor shall mobilize to Site within seven (7) days from the Engineer in Charge consent by issuing notice to commence “NTC” which shall be issued immediately after the Work Order.

CONSTRUCTION SCHEDULE /PROPOSED PROGRAM OF WORKS

The Bidder shall provide a work program in the form of a Bar chart Achievable milestone with timeline must be fixed to monitor and measure progress of work. Each work activity must be loaded with resources in terms of workforce, cash flow required, material flow etc. The program should indicate all the activities to be completed under the Contract like:

- a. Designing of the work where required
- b. Schedule of submittal of drawings
- c. Ordering and procurement of materials
- d. Manufacturing of parts where required
- e. Delivering at site of work Tools, Plants, and Materials etc.
- f. Construction of civil works
- g. Erection of works
- h. Lab Testing of Works/material from reputed lab

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 <div style="display: flex; justify-content: space-around;"> <input type="checkbox"/> Owned <input type="checkbox"/> Rented <input type="checkbox"/> Leased <input type="checkbox"/> Specially manufactured </div> | |

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 VI: STANDARD BIDDING FORMS

(Single Stage Two Envelope Procedure)

Table of Forms

| SN | Form No. | Description | Proposal Part |
|--|-----------|--|--------------------|
| Forms T1 to T-16 are to be enclosed with Technical Proposal | | | |
| 12. | Form T-1 | Letter of Bid –along with Annexure of Technical Proposal | Technical Proposal |
| 13. | Form T-2 | Bidder Information Form | Technical Proposal |
| 14. | Form T-3 | Contractor's Representative and Key Personnel Schedule | Technical Proposal |
| 15. | Form T-4 | Resume and Declaration of Contractor's Representative and Key Personnel | Technical Proposal |
| 16. | Form T-5 | Historical Contract Non-Performance, Pending Litigation and Litigation History | Technical Proposal |
| 17. | Form T-6 | Financial Situation and Performance | Technical Proposal |
| 18. | Form T-7 | Average Annual Turnover | Technical Proposal |
| 19. | Form T-8 | Financial Resources | Technical Proposal |
| 20. | Form T-9 | Current Contract Commitments / Works in Progress | Technical Proposal |
| 21. | Form T-10 | Self-Assessment Tool for Bidder's Compliance to Financial Resources | Technical Proposal |
| 22. | Form T-11 | General Construction Experience | Technical Proposal |
| 23. | Form T-12 | Specific Construction and Contract Management Experience | Technical Proposal |
| 24. | Form T-13 | Construction Experience in Key categories | Technical Proposal |
| 25. | Form T-14 | Form of Bid Security (no need in case of Pay order /CDR | Technical Proposal |
| 26. | Form T-15 | Affidavit for Bidder's Blacklisting / Eligibility Status | Technical Proposal |
| 27. | Form T-16 | Power of Attorney | Technical Proposal |
| Forms F1 & F2 to be enclosed with Financial Proposal | | | |
| 28. | Form F1 | Letter of Bid – Financial Proposal | Financial Proposal |
| 29. | Form F2 | Bill of Quantities Please Fill in Bill of Quantities and should be attach in Financial Proposal | Financial Proposal |

Annexure of Form T-1 (Technical Proposal)

These Annexures must be attached with technical proposal by providing all the requisite information as per details mentioned in "Scope of Work" of Section V- Schedule of requirement under the following titles

- A. Site Organization**
- B. Method Statement**
- C. Mobilization Schedule**
- D. Construction Schedule**
- E. Form of Equipment Detail**
- F. Supplementary Information**

FORM T-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.: TNCB-20/CIVIL/W.TOWER/JPCL/2025

Title of Procurement: “New construction of 08 Nos. Watch Towers 03 Nos. Security Check Posts, M&R of 14 Nos. W. Towers & 02 Nos. Washrooms in Residential Colony and Powerhouse TPS, Jamshoro as per Schedule of Requirement, Section-V of the Tender Document”

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"/> Establishing that the Bidder is not under the supervision of the Procuring Agency in case of subsidiaries |
| 8. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership. |

FORM T-2. 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 this Form below for each candidate.

Contractor's Representative and Key Personnel:

| | | |
|-----------|--|---|
| 1. | Title of position: | |
| | Name of candidate: | |
| | Duration of appointment: | <i>[insert the whole period (start and end dates) for which this position will be engaged]</i> |
| | Time commitment for this position: | <i>[insert the number of days/week/months/ that has been scheduled for this position]</i> |
| | Expected time schedule for this position: | <i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i> |
| 2. | Title of position: | |
| | Name of candidate: | |
| | Duration of appointment: | <i>[insert the whole period (start and end dates) for which this position will be engaged]</i> |
| | Time commitment for this position: | <i>[insert the number of days/week/months/ that has been scheduled for this position]</i> |
| | Expected time schedule for this position: | <i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i> |
| 3. | Title of position: | |
| | Name of candidate: | |
| | Duration of appointment: | <i>[insert the whole period (start and end dates) for which this position will be engaged]</i> |
| | Time commitment for this position: | <i>[insert the number of days/week/months/ that has been scheduled for this position]</i> |
| | Expected time schedule for this position: | <i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i> |
| 4. | Title of position: | |
| | Name of candidate: | |
| | Duration of appointment: | <i>[insert the whole period (start and end dates) for which this position will be engaged]</i> |
| | Time commitment for this position: | <i>[insert the number of days/week/months/ that has been scheduled for this position]</i> |

| | | |
|----|--|---|
| | Expected time schedule for this position: | <i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i> |
| 5. | Title of position: | |
| | Name of candidate | |
| | Duration of appointment: | <i>[insert the whole period (start and end dates) for which this position will be engaged]</i> |
| | Time commitment: for this position: | <i>[insert the number of days/week/months/ that has been scheduled for this position]</i> |
| | Expected time schedule for this position: | <i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i> |
| 6. | Title of position: <i>[insert title]</i> | |
| | Name of candidate | |
| | Duration of appointment: | <i>[insert the whole period (start and end dates) for which this position will be engaged]</i> |
| | Time commitment: for this position: | <i>[insert the number of days/week/months/ that has been scheduled for this position]</i> |
| | Expected time schedule for this position: | <i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i> |

FORM T-3. Resume and Declaration of Contractor's Representative and Key Personnel

| | | |
|---|---|---|
| Name of Bidder | | |
| Position [1]: <i>[title of position from Form PER-1]</i> | | |
| Personnel information | Name: | Date of birth: |
| | Address: | E-mail: |
| | Professional qualifications: | |
| | Academic qualifications: | |
| | Language proficiency: <i>[language and levels of speaking, reading and writing skills]</i> | |
| details | Address of Procuring Agency: | |
| | Telephone: | Contact (manager / personnel officer): |
| | Fax: | |
| | Job title: | Years with present Procuring Agency: |

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 T-4 correctly describes myself, my qualifications and my experience.

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

| Commitment | Details |
|--|--|
| Commitment to duration of contract: | <i>[insert period (start and end dates) for which this Contractor's Representative or Key Personnel is available to work on this contract]</i> |
| Time commitment: | <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 T-4. 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 January 2022 | | | |
| <input type="checkbox"/> Contract(s) not performed since 2022 | | | |
| 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 (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 | | | |
| Year of dispute | Amount in dispute (currency) | Contract Identification | Total Contract Amount |
| | | Contract Identification: _____ Name of PA: _____ Address of PA: _____ Matter in dispute: _____ Party who initiated the dispute: _____ Status of dispute: _____ | |
| Litigation History in accordance with Section III, Evaluation and Qualification Criteria of the Prequalification document | | | |
| <input type="checkbox"/> No Litigation History | | | |
| <input type="checkbox"/> Litigation History | | | |

| Year of award | Outcome as percentage of Net Worth | Contract Identification | Total Contract Amount (currency), PKR Equivalent (exchange rate) |
|----------------------|---|---|---|
| <i>[insert year]</i> | <i>[insert percentage]</i> | <p>Contract Identification: <i>[indicate complete contract name, number, and any other identification]</i></p> <p>Name of PA: <i>[insert full name]</i></p> <p>Address of PA: <i>[insert street/city/country]</i></p> <p>Matter in dispute: <i>[indicate main issues in dispute]</i></p> <p>Party who initiated the dispute: <i>[indicate "Procuring Agency" or "Contractor"]</i></p> <p>Reason(s) for Litigation and award decision <i>[indicate main reason(s)]</i></p> | <i>[insert amount]</i> |

FORM T-5. 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 last three (3) <i>years</i> , _____ (amount in currency, currency, exchange rate*, PKR equivalent) | | | | |
|--|--|--------|--------|--------|--------|
| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| Statement of Financial Position (Information from Balance Sheet) | | | | | |
| Total Assets (TA) | | | | | |
| Total Liabilities (TL) | | | | | |
| Total Equity/Net Worth (NW) | | | | | |
| Current Assets (CA) | | | | | |
| Current Liabilities (CL) | | | | | |
| Working Capital (WC) | | | | | |
| Information from Income Statement | | | | | |
| Total Revenue (TR) | | | | | |
| Profits Before Taxes (PBT) | | | | | |
| Cash Flow Information | | | | | |
| 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) |
|-----|-------------------|--------------|
| 1 | | |
| 2 | | |
| 3 | | |
| | | |

2. Financial documents

Bidder and its parties shall provide copies of financial statements for the last three (3) years pursuant to Evaluation and Qualifications Criteria. The financial statements shall:

- (a) reflect the financial situation of the Bidder 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 last three (3) years required above; and complying with the requirements**

FORM T-6. Average Annual Turnover

Bidder's Name: _____

Date: _____

JV Member's Name _____

ICB/NCB No. and title: _____

Page _____ of _____ pages

| | | Annual turnover data | |
|---------------------------------|--|----------------------|----------------|
| Year | Amount Currency | Exchange rate | PKR equivalent |
| <i>[indicate year]</i> | <i>[insert amount and indicate currency]</i> | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Average Annual Turnover * | | | |

* See Section V, Evaluation and Qualification Criteria.

FORM T-7. 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)

| Financial Resources | | |
|---------------------|---------------------|--------|
| No. | Source of financing | Amount |
| 1 | | |
| 2 | | |
| 3 | | |
| | | |

FORM T-8. Current Contract Commitments / Works in Progress

Bidders 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.

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

FORM T-9. Self-Assessment Tool for Bidder's Compliance with Financial Resources

This form requires the same information submitted in Forms 6 and 9. All conditions of "Available Financial Resources Net of CCC \geq Requirement for the Subject Contract" must be satisfied to qualify.

| For Single Entities: (A) | Total Available Financial Resources from Form T-6 | Total Monthly Financial Requirement for Current Contract Commitments (CCC) from Form T-9 | 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) |
|-----------------------------|---|--|---|---|---|
| _____ (Name of Bidder) | | | | — | |

- Note -

This Form 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 earlier. Failure to submit this Form by the Bidder shall not lead to bid rejection.

FORM T-10. 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 T-11.**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"/> | 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: | | | |
| Similar Contract No. | Information | | |
| Description of the similarity in accordance | | | |
| 1. Amount | | | |
| 2. Physical size of required works items | | | |
| 3. Complexity | | | |
| 4. Methods/Technology | | | |
| 5. Construction rate for key activities | | | |
| 6. Other Characteristics | | | |

FORM T-12.**Construction Experience in Key Activities**

Bidder's Name: _____

Date: _____

Bidder's JV Member Name: _____

Sub-contractor's Name¹ (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: _____

| | 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 | |
| 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: | | | | |

¹ If applicable

| | |
|----------------------|--------------------|
| | Information |
| Address: | |
| Telephone/fax number | |
| E-mail: | |

2. Activity No. Two

3.

| | |
|---|--------------------|
| | Information |
| Description of the key activities in accordance with Section III: | |
| | |
| | |
| | |
| | |
| | |

FORM T-13. Form of Bid Security
(Bank Guarantee)

*[The bank shall fill in this Bank Guarantee Form in accordance with the instructions indicated.
No need of this form if Security Amount will be submitted in shape of CDR / Pay Order]*

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

[Guarantor letterhead or SWIFT identifier code]

**Beneficiary: Jamshoro Power Company Limited (JPCL), Mohra Jabal, Sehwan Dadu Road,
Indus Highway, Jamshoro**

No.: TNCB-20/CIVIL/W.TOWER/JPCL/2025

**Title of Procurement: ““New construction of 08 Nos. Watch Towers03 Nos. Security Check Posts,
M&R of 14 Nos. W. Towers & 02 Nos. Washrooms in Residential Colony and Powerhouse TPS, Jamshoro
as per Schedule of Requirement, Section-V of the Tender Document”**

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 **“New construction of 08 Nos. Watch Towers03 Nos. Security Check Posts, M&R of 14 Nos. W. Towers & 02 Nos. Washrooms in Residential Colony and Powerhouse TPS, Jamshoro as per Schedule of Requirement, Section-V of the Tender Document”**

under Request for Bids No. **TNCB-20/CIVIL/W.TOWER/JPCL/2025** _ (“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 **Rs.xxx/-** (in words Rupees: xxx only) 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 T-14. Affidavit for Bidder's Blacklisting / Eligibility Status

[The Bidder shall attach original affidavit duly authenticated by the relevant government agency on stamp paper of at least PKR 200/-]

ITB No: **TNCB-20/CIVIL/W.TOWER/JPCL/2025**

Title: **"New construction of 08 Nos. Watch Towers 03 Nos. Security Check Posts, M&R of 14 Nos. W. Towers & 02 Nos. Washrooms in Residential Colony and Powerhouse TPS, Jamshoro as per Schedule of Requirement, Section-V of the Tender Document"**

Bidder: [Name of Applicant / Entity]

Jamshoro Power Company Limited

Mohra Jabal, Dadu Road, Jamshoro, Sindh, Pakistan.

Date:

We, [name of the Bidder] registered under incorporation / registration number [•] under the laws of [•], (the "**Bidder**"), do hereby solemnly declare and submit this undertaking of eligibility that we have not been blacklisted by the Government of Pakistan as of the date of the submission of the Bid.

We also solemnly declare that we have not been declared ineligible/blacklisted by any Governmental/Semi-Governmental agency/department including any of its employer(s) / client(s) till date due to the reasons including but not limited to corrupt practices influencing the Procuring Agency in evaluation of the Bids or contract award decisions etc.

We also solemnly declare that we will continue to be eligible for the Bidding for this Plant in accordance with the Bidding Documents and shall notify the Procuring Agency immediately, in writing, of any change in the structure, formation, personnel or qualifications reflected in our Bid for Bidding that could affect our eligibility under the Bidding Document.

We acknowledge and accept that failure to notify the Procuring Agency of such changes in a timely manner may result in disqualification at any point in time.

We also understand that all capitalized but undefined terms shall have the meaning given to such terms under the Bidding Documents **TNCB-20/CIVIL/W.TOWER/JPCL/2025**

Very truly yours,

[Name of authorized signatory] [Signature of authorized signatory] [Seal of the Company]

Witnesses by:

1 Signature

2 Signature

Name:

Name:

Address:

Address:

CNIC/Passport No.

CNIC/Passport No.

Power of Attorney

[The Bidder shall attach original affidavit duly authenticated by the relevant government agency on stamp paper of at least PKR 200/-]

KNOWN BY ALL THAT by this Power of Attorney [*insert name of Bidder*] (the “**Bidder Company**”) having its head office situated at [•], does hereby nominate, appoint & authorize Mr. [•] S/o Mr. [•] and Mr. [•] S/o Mr. [•] (both of whose specimen signatures are appended below), on behalf of the Bidder Company, hereinafter referred to as the attorney, to sign the Bid, the ancillary documents, the Acceptance of Notice of Award and the Contract for supply of Complete Unit of Firefighting Vehicle (if awarded the Notice of Award) and to act for and on behalf of the Bidder Company and to bind the Bidder Company in relation to the bidding process and all ancillary documents, instruments and evidences submitted pursuant thereto.

The Bidder Company does hereby ratify & confirm whatever the attorney shall do by virtue of these presents.

Specimen signature of Mr. *[name of the nominee]*

Specimen signature of Mr. *[name of the nominee]*

Signature Name:

Designation:

Company:

Witnesses

| | | | | | |
|---|-------------------|-------|---|-------------------|-------|
| 1 | Signature | _____ | 2 | Signature | _____ |
| | Name: | _____ | | Name: | _____ |
| | Address: | _____ | | Address: | _____ |
| | CNIC/Passport No. | _____ | | CNIC/Passport No. | _____ |

FORM F-1. 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]*

RFB No.: TNCB-20/CIVIL/W.TOWER/JPCL/2025

Title of Procurement: "New construction of 08 Nos. Watch Towers 03 Nos. Security Check Posts, M&R of 14 Nos. W. Towers & 02 Nos. Washrooms in Residential Colony and Powerhouse TPS, Jamshoro as per Schedule of Requirement, Section-V of the Tender Document"

To: Jamshoro Power Company Limited (JPCL), Jamshoro

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: PKR xxxx (in words Rupees: xxxx) In case of multiple lots as a "Package", 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.")

(d) **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]

STAMP

****:** 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 F-2. 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/employer 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/employer 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. 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]*. The method of measurement in packages for completed works refers to the system or guidelines used to quantify, value, and evaluate completed construction works as part of a contract. It defines how completed tasks or work items are measured, assessed, and paid for. This is common in engineering, construction, and project management fields. Here are key aspects of the method:

1. Bills of Quantities (BOQ)

A detailed document listing all work items in measurable terms (e.g., square meters, cubic meters, or linear meters).

The contractor is paid based on the quantities of work completed, measured according to the BOQ.

2. Unit of Measurement

Specifies the standard measurement units to be used for various components (e.g., m² for plastering, m³ for concrete, kg for reinforcement).

These units align with industry standards such as ISO or national guidelines.

3. Inspection and Verification

Completed works are inspected to ensure they meet the required specifications.

Measurements are taken on-site, typically using tools like measuring tapes, total stations, or surveying instruments.

4. Documentation

Measurement records are documented through site reports, interim payment certificates, or progress reports.

Contractors and Client agree on the documented quantities.

5. Milestone or Activity-Based Measurement

Payments are sometimes linked to milestones or specific activities completed, based on percentage completion rather than exact quantities

BILL OF QUANTITIES

Contract No. TNCB-20/CIVIL/W.TOWER/JPCL/2025

Client/Company: JAMSHORO POWER COMPANY LIMITED

| Part-A (Construction of 08 No's Watch Tower) | | | | | |
|--|--|------|-------|------|--------|
| S/NO. | NAME OF ITEM | UNIT | QTY | RATE | AMOUNT |
| 01. | Excavation in single or gravel formation and rock not requiring blasting undressed lead up to 50m. (Dry) (WCSR-P-2022 P-2-1/4(a)) | Cum | 86.64 | | |
| 02. | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) without shuttering. 1:4:8 (WCSR-2022 P-5-1 I-2(d)) | Cum | 93.68 | | |
| 03. | Bricks work in foundation and plinth in cement sand mortar. Ratio. 1:6 (WCSR-2022 P-6-1 I-1) | Cum | 20.00 | | |
| 04. | Bricks work other than building including striking of joints up to 3.0m height in cement sand mortar. Ratio 1:6 (WCSR-2022 P-6-1 I-4) | Cum | 44.96 | | |
| (b) | Add extra labour in item No. 04 for every 3.0 m additional height. (WCSR-2022 P-6-1 I-5) | Cum | 37.20 | | |
| 05. | Filling and compacting soil, earth and boulders behind retaining walls (including excavation of soil and lead up to 30m). (WCSR-2022 P-2-5 I-27) | Cum | 14.40 | | |
| 06. | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) without shuttering. 1:2:4 (WCSR-2022 P-5-1 I-2(b)) | Cum | 1.20 | | |

| | | | | | |
|-----|--|-----|----------|--|--|
| 07. | Reinforced cement concrete work using coarse sand except the cost of steel reinforcement and its labour for bending and binding. This rate also includes all kinds of forms moulds, lifting shuttering, curing, rendering and finishing the exposed surface (including screening and washing of shingle). (WCSR-2022 P-5-1 P-3(i)) | Cum | 22.40 | | |
| 08. | Supply and fabrication of intermediate grade deformed reinforcement for R.C.C piles including cutting, bending, laying in position, welding and fastening including cost of binding wire. (a) 40,000psi (WCSR-2022 P-5-3 I-7(a)). | Kg | 3,197.12 | | |
| 09. | Cement Plaster (1:4) upto 6.00 Meter Height 13mm Thick (WCSR-P-2022 /P-10-1/5 (b)) | Sqm | 955.52 | | |
| 10. | Weather shield paint three coats on new cement plaster surface. (WCSR -2022 P-10-03/24) | Sqm | 569.20 | | |
| 11. | Distempering Two coats (WCSR-2022-P-10-2/16(b)) | Sqm | 428.72 | | |
| 12. | Damp proof course with (cement, sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture. 38mm thick (WCSR-2022 P-6-4 I-25 (a)) | Sqm | 32.80 | | |
| 13. | Providing & Fixing steel ladder for overhead tank made of angle iron 50 x 50 x 6mm with 15 mm dia MS bars step 375 mm post including side supports of angle iron 50 x 50 x 6mm complete in all respects. (WCSR-2022 P-20-6 I-61) | M | 29.28 | | |
| 14. | Providing & Fixing steel windows glazed openable of standard Z section frame as per drawing. (WCSR-2022 P-20-3 I-33) | Sqm | 24.00 | | |
| 15. | Glazing with panes, Glass panes 680 to 737 gm used with deodar wood fillet and putty. (WCSR-2022 P-11-6 I-40(c)) | Sqm | 24.00 | | |
| 16. | Providing & Fixing steel doors without grill work on outer face of the door as per approved drawing. (WCSR-2022 P-20-3 I-29) | Sqm | 7.20 | | |

| | | | | | |
|-----|---|-----|-------|------------------|--|
| 17. | Panting Doors and Windows Any Type Two Coats. (WCSR-P-12-1/4(c) i+ii) | Sqm | 31.20 | | |
| | | | | Total (A) | |

Part-B (Construction of 03 Nos. Check Post)

| No | Name of item. | Unit | Qty | Rate | Amount |
|----|---|------|-------|------|--------|
| 1 | Excavation in shingle or gravel formation and rock not requiring blasting undressed lead upto 50 m. (WCSR -2022 P-2-1/4 (a) | Cum | 29.94 | | |
| 2 | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) without shuttering. Ratio:1:4:8 (WCSR -2022 P-5-1/2 (b) | Cum | 12.75 | | |
| 3 | Bricks work in foundation and plinth in Cement sand mortar. Ratio: 1:5 (WCSR -2022 P-6-1/1) | Cum | 8.49 | | |
| 4 | Damp proof course with (cement, sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture. 38 mm thick. (WCSR -2022 P-6-4/25 (a) | Sqm | 12.30 | | |
| 5 | Bricks work in ground floor (including striking of joints) in Cement sand mortar. Ratio; 1:5 (WCSR -2022 P-6-1/2) | Cum | 15.06 | | |
| 6 | Filling watering and ramming earth under floors with surplus earth from foundation (WCSR -2022 P-2-5/26) | Cum | 29.94 | | |
| 7 | Supplying and filling sand under floors or plugging in wells (WCSR -2022 P-6-4/24) | Cum | 1.20 | | |
| 8 | Reinforced cement concrete work using coarse sand except the cost of steel reinforcement and its labour for bending and binding. This rate also includes all kinds of forms moulds; lifting shuttering, curing, rendering and finishing the exposed surface (including screening and washing of shingle). Ratio: 1:2:4 (WCSR -2022 P-5-2/3 (a) | Cum | 4.86 | | |

| | | | | | |
|----|---|-----|--------|------------------|--|
| 9 | Supplying and fabrication of Intermediate grade deformed reinforcement for R.C.C. in slabs, beams, columns and pile caps, including cutting, bending laying in position including cost of binding wire; 5.8 a. 40,000 psi (276 MPa) yield (WCSR -2022 P-5-3/6 (| Kg | 544.08 | | |
| 10 | Cement plaster (1:4) upto 1 st floor height (WCSR -2022 P-10-1/5 (b) | Sqm | 130.47 | | |
| 11 | Providing and fixing steel doors with grill work on outer face of the door as per approved design Engineer Incharge. (WCSR-2022 P-20-3/29) | Sqm | 4.47 | | |
| 12 | Topping of cement concrete (1:2:4) including surface finishing & dividing into panels: b) 40 mm (WCSR -2022 P-9-2/9 (b) | Sqm | 12.00 | | |
| 13 | Destempring Two coats (WCSR-2022-P-10-2/16(b)) | Sqm | 45.45 | | |
| 14 | Painting new surface. Preparing surface and Painting door and windows any type. One primer and two subsequent coats. (WCSR -2022 P-12-3/5(c i+ii)) | Sqm | 8.91 | | |
| 15 | Weather shield paint three coats on new cement plaster surface. (WCSR -2022 P-10-03/24) | Sqm | 70.32 | | |
| | | | | Total (B) | |

| Part-C (R&M work of 14 Nos. existing watchtower & 03 No's Check Post) | | | | | |
|--|---|-------------|------------|-------------|---------------|
| Sr. No | Name of item | Unit | Qty | Rate | Amount |
| 1 | Dismantling cement concrete plain. 1:2:4 (WCSR-P-2022 P-3-2/14(c)) | Cum | 4.16 | | |
| 2 | Reinforced cement concrete work using coarse sand except the cost of steel reinforcement and its labour for bending and binding. This rate also includes all kinds of forms moulds; lifting shuttering, curing, rendering and finishing the exposed surface (including screening and washing of shingle). Ratio: 1:2:4 (WCSR -2022 P-5-2/3 (a)) | Cum | 3.94 | | |
| 3 | Supplying and fabrication of Intermediate grade deformed reinforcement for R.C.C. in slabs, beams, columns and pile caps, including cutting, bending laying in position including cost of binding wire; 5.8 a. 40,000 psi (276 MPa) yield (WCSR -2022 P-5-3/6 (a)) | Kg | 302.28 | | |
| 4 | Removing Cement Plaster. (WCSR-P-2022/P-3-4/39) | Sqm | 206.22 | | |
| 5 | Cement plaster (1:4) upto 1st floor height (WCSR -2022 P-10-1/5 (b)) | Sqm | 206.22 | | |
| 6 | Providing and fixing of bent metal 16SWG frame chokwat 345mm wide for door size complete in all respect. (WCSR-2022 P-20-5/44) | Sqm | 14.63 | | |
| 7 | Providing and fixing steel doors with grill work on outer face of the door as per approved design Engineer Incharge. (WCSR-2022 P-20-3/29) | Sqm | 15.33 | | |
| 8 | Providing & Fixing Steel windows of standard tabular frame 40 x 40 mm and shutters 40 x 25 mm as per approved design of Engineer in Incharge. (WCSR -2022 P-20-4/37) | Sqm | 53.10 | | |
| 9 | Topping of cement concrete (1:2:4) including surface finishing & dividing into panels: b) 40 mm (WCSR -2022 P-9-2/9 (b)) | Sqm | 156.36 | | |
| 10 | Destempring Two coats. (Inner Side wall & ceiling). (WCSR-2022-P-10-2/16(b)) | Sqm | 838.48 | | |
| 11 | Painting door & window two Coats (WCSR-2022 P-12-1/4 ©) | Sqm | 112.99 | | |

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|----|---|-----|----------|------------------|--|
| 12 | Weather shield paint three coats on new cement plaster surface. (WCSR -2022 P-13-18/61) | Sqm | 1,724.84 | | |
| 13 | Providing & Fixing steel ladder for overhead tank made of angle iron 50 x 50 x 6mm with 15 mm dia MS bars step 375 mm post including side supports of angle iron 50 x 50 x 6mm complete in all respects. (WCSR-2022 P-20-6 I-61) | M | 10.98 | | |
| 14 | Glazing with panes, Glass panes 680 to 737 gm used with deodar wood fillet and putty. (WCSR-2022 P-11-6 I-40(c)) | Sqm | 49.32 | | |
| 15 | Galvanized wire guaze 22SWG fixed with 20mm strips on separate 50 x 50 mm deodar wood frame. WCSR-2022, P-11-3, I-11(d) | Sqm | 7.32 | | |
| 16 | Providing & fixing flush door leaf as per CDO standard drawing. (WCSR-P-2022/P-11-7/42) | Sqm | 7.81 | | |
| 17 | Jungle clearance. (WCSR-P-2022/P-20-1/03) | Sqm | 292.75 | | |
| | | | | Total (C) | |

| Part-D (Construction of 02 no's bathroom at intake area) | | | | | |
|---|---|-------------|------------|-------------|---------------|
| No | Name of item. | Unit | Qty | Rate | Amount |
| 1 | Excavation in shingle or gravel formation and rock not requiring blasting undressed lead upto 50 m. (WCSR -2022 P-2-1/4 (a)) | Cum | 36.69 | | |
| 2 | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) without shuttering. Ratio:1:4:8 (WCSR -2022 P-5-1/2 (b)) | Cum | 2.78 | | |
| 3 | Bricks work in foundation and plinth in Cement sand mortar. Ratio: 1:5 (WCSR -2022 P-6-1/1) | Cum | 23.38 | | |

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| 4 | Damp proof course with (cement, sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture. 38 mm thick. (WCSR -2022 P-6-4/25 (a) | Sqm | 6.05 | | |
| 5 | Bricks work in ground floor (including striking of joints) in Cement sand mortar. Ratio; 1:5 (WCSR -2022 P-6-1/2) | Cum | 6.89 | | |
| 6 | Filling watering and ramming earth under floors with surplus earth from foundation (WCSR -2022 P-2-5/26) | Cum | 12.23 | | |
| 7 | Supplying and filling sand under floors or plugging in wells (WCSR -2022 P-6-4/24) | Cum | 0.46 | | |
| 8 | Reinforced cement concrete work using coarse sand except the cost of steel reinforcement and its labour for bending and binding. This rate also includes all kinds of forms moulds; lifting shuttering, curing, rendering and finishing the exposed surface (including screening and washing of shingle). Ratio: 1:2:4 (WCSR -2022 P-5-2/3 (a) | Cum | 2.18 | | |
| 9 | Supplying and fabrication of Intermediate grade deformed reinforcement for R.C.C. in slabs, beams, columns and pile caps, including cutting, bending laying in position including cost of binding wire; 5.8 a. 40,000 psi (276 MPa) yield (WCSR -2022 P-5-3/6 (a) | Kg | 308.43 | | |
| 10 | Cement plaster (1:4) upto 1 st floor height (WCSR -2022 P-10-1/5 (b) | Sqm | 189.17 | | |
| 11 | Providing fixing flush door leaf as per standard design of CDO. (WCSR-2022 P-11-7/42) | Sqm | 3.01 | | |
| 12 | Providing & fixing bent metal 16 SWG frame 250 mm wide for door size 750 mm x 2.134 m. (WCSR-2022 P-20-5 I-44) | Sqm | 3.02 | | |
| 13 | Topping of cement concrete (1:2:4) including surface finishing & dividing into panels: (b) 40 mm (WCSR -2022 P-9-2/9 (b) | Sqm | 11.87 | | |
| 14 | Destempring Two coats (WCSR-2022-P-10-2/16(b)) | Sft | 94.38 | | |

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|----|---|-----|-------|--|--|
| 15 | Painting new surface. Preparing surface and Painting door and windows any type. One primer and two subsequent coats. (WCSR -2022 P-12-3/5(c i+ii)) | Sqm | 2.97 | | |
| 16 | Weather shield paint three coats on new cement plaster surface. (WCSR -2022 P-10-03/24) | Sft | 58.13 | | |
| 17 | White glazed earthen ware wash hand basin domestic of supreme quality. (65mm thick) (WCSR 2022 P-13-18/64) | No | 2.00 | | |
| 18 | White glazed earthen ware pedestal for wash hand basin domestic of supreme quality. (WCSR-2022 P-13-18/65) | No | 2.00 | | |
| 19 | White glazed earthen ware water closet squatting type domestic orrisa pattern of best quality. (WCSR-2022 P-13-18/62) | No | 2.00 | | |
| 20 | Low level flushing cistern 13.5 litres capacity best quality. (WCSR-2022 P-13-19/70 (a)) | No | 2.00 | | |
| 21 | Floor trap 100mm x 50mm (including 50mm concrete chamber all round with CP grating). (WCSR-2022 P-13-23 I-108) | No | 4.00 | | |
| 22 | Providing & Fixing Bib tap 25mm (1" dia). (WCSR-2022 22-02 I-44) | No | 4.00 | | |
| 23 | Providing, lowering & laying into trenches and jointing cement concrete reinforced pipeline to correct alignment & grade including cutting of pipes where necessary cost of jointing material & testing with internal diameter 100mm. (WCSR 2022 Page 13-8 item 23(a)) | RM | 92.00 | | |
| 24 | Providing, laying and testing heavy water or stream quality G.I or W.I pipes and special inside building and trenches. (WCSR 2022 Page 13-12 I-36) | Sqm | 7.43 | | |
| 25 | C.I Soil pipes (with lead chaulked joints cement joints) 100mm dia. (WCSR 2022 Page 13-23 I-112) | RM | 10.00 | | |

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| 26 | P or S Trap (100 mm dia). (WCSR 2022 Page 13-23 I-112) | No | 6.00 | | |
| 27 | PVC flushing bend (32 mm dia). (WCSR 2022 Page 13-21 I-87) | No | 2.00 | | |
| 28 | waste pipe wash hand basin 32 mm dia. (WCSR 2022 Page 13-21 I-88) | No | 2.00 | | |
| 29 | Connection PVC 13mm dia. (WCSR 2022 Page 13-21 I-92) | No | 4.00 | | |
| 30 | C.P Tee stop cock. (13mm dia) (WCSR 2022 Page 13-21 I-94) | No | 4.00 | | |
| 31 | Brass ball valves having diameter. (WCSR 2022 Page 13-21 I-93) | No | 2.00 | | |
| 32 | Looking glass mirror 550mm x 400mm size 1st quality (without frame). (WCSR 2022 Page 13-20 I-77) | No | 2.00 | | |
| 33 | C.P Pillar Cocks. (13mm dia) (WCSR 2022 Page 13-20 I- 80) | No | 2.00 | | |
| | | | | Total (D) | |

SUMMARY OF BID COST

| W. No. | Name of Work | Total Amount Rs. |
|--|--|---------------------|
| A | NEW CONSTRUCTION OF 08 Nos. WATCH TOWER IN RESIDENTIAL COLONY AND POWERHOUSE TPS, JAMSHORO | |
| B | ESTIMATE FOR CONSTRUCTION OF 03 Nos. SECURITY CHECK POST AT THE ENTRANCE ROAD (ON DIFFERENT LOCATION) OF TPS, COLONY JAMSHORO. | |
| C | R&M WORK OF 14 Nos. EXISTING WATCHTOWER & 03 Nos. CHECK POST | |
| D | CONSTRUCTION OF 02 Nos. BATHROOM INTAKE AREA | |
| Total (A+B+C+D) | | |
| 15% SRB | | |
| Total Amount | | |
| (Rupees:) | | |
| % ABOVE/BELOW THE BASE ESTIMATE | | |

Signed and Stamped

Section VIII. General Conditions (GC)

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 Internationale Des Ingenieurs 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)

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Section IX. Special Conditions of the Contract

Special Conditions of the Contract

The Special Conditions of Contract (SCC) complement the General Conditions of Contract (GCC) to specify data and contractual requirements of the Procuring Agency/ Employer, the engineer/employer, 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 |
|----------------------------------|-------------------|---|
| General Provision (GCC 1) | | |
| 1. | 1.3 | <p>For notices</p> <p>Procuring Agency/ Engineer’s Authorized representatives name and address:</p> <p>Engr. Bashir Ahmed Babar CE/Project Director PIU 660MW, CFPP Jamshoro Phone: 022 9213744 Email: pdpiu@jpcl.com.pk</p> <p>Contractors Authorized representatives name and address:</p> <p>The address of the most Advantageous Bidder will be utilized as mentioned in the bidding document</p> |
| 2. | 1.4 | <p>Governing Law;</p> <p>The Applicable Law shall be the Laws of Pakistan</p> |
| 3. | 1.4 | <p>Communication Language:</p> <p>The Communication Language shall be English</p> |
| 4. | 1.5 | <p>Documents forming the contract listed:</p> <ol style="list-style-type: none"> 1. The Contract Agreement/Work Order 2. Letter of Acceptance 3. The completed Form of Bid 4. Contract Data 5. Conditions of Contract 6. The completed Schedules to Bid including Schedule of Prices |

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| | | <p>7. The Drawings, if any</p> <p>8. Specifications</p> |
| The Employer/ Procuring Agency (GCC Clause 2) | | |
| 5. | 2.1 | <p>Time for access to the Site:</p> <p>Within seven (7) days after issuance of Notice to Commence “NTC” which shall be issued immediately after Work Order</p> |
| The engineer/employer (GCC Clause 3) | | |
| 6. | 3.2 | <p>Engineer/Employer’s Duties and Authority:</p> <p><i>The following paragraph is added after duties:</i></p> <p>Procuring agency shall ensure that the engineer/employer’s Representative/ Staff is a professional engineer as defined in the Pakistan Engineering Council Act 1975.</p> <p>The Variations resulting in an increase of the Accepted Contract Amount in excess but not exceeding 15%, shall require approval of the Procuring agency/ Employer.</p> |
| The Contractor (GCC Clause 4) | | |
| 7. | 4.2 | <p>Performance guarantee/ security will be in the form of a CDR/unconditional Bank Guarantee in the amount of Ten Percentage (10%) of the Contract Price, valid up to defects notice period “DNP”/defects liability period “DLP”</p> |
| 8. | 4.7.2 | <p>Setting out <i>Period for notification of errors in the items of reference:</i></p> <p>As soon as practicable, after receiving the items of reference <i>not less than 5 days</i>, the contractor shall be responsible for the contract and proper setting out of the works and correctness of the position, reduced levels, dimensions and alignment of all parts of the work including marking out the correct layout in reference to the permanent benchmark and reference points. Only one permanent benchmark and basic reference lines shall be marked and shown to the contractor as basic data.</p> <p>The contractor shall have all necessary instruments, appliances and labour in connection therewith. If at any time during the progress of work, any error is detected in respect of the position, levels, dimensions or alignment of any part of the work, the contractor will be required to do so by the engineer/employer-in-Charge or his representative, at the expenses of the contractor, shall rectify such errors to the satisfaction of Engineer-in-Charge/Employer unless such error is due to incorrect data supplied by the engineer/employer-in-Charge.</p> |
| 9. | 4.22 | <p>Contractor’s Operations on site</p> <p>The work site and Plant & Machinery parking site will be cordoned, displaying caution and safety sign boards, keeping unauthorized people off the site.</p> <p>Workers should wear safety PPEs as per requirement of site.</p> |

| Sub-Contracting (GCC Clause 5) | | |
|---|---------|--|
| 10. | 5.1(a) | <p>Maximum allowable accumulated value of work subcontracted</p> <p>Subcontracting may be allowed with prior written permission of Procuring Agency for</p> <ul style="list-style-type: none"> • Non-critical Materials • Materials outside WAPDA composite rates • Specialized Machinery • Skilled labour <p>(Roughly 25% percentage of the Accepted Contract Amount)</p> <p>Not Applicable</p> |
| 11. | 5.1 (b) | <p>Works for which sub-contracting is not permitted.</p> <ul style="list-style-type: none"> • Management and supervision of the contract • Regulatory compliance /Statutory approvals, licensing, NOCs, compliance with Social Safeguard Regulations • Surveying and setting out which must be performed under the main contractor's strict supervision • Quality Control and Testing such as soil compaction and concrete strength • Key Earthworks • Construction of Security Watch Towers which requires tight control <p>Sub-contracting related to core structural integrity is not permitted.</p> |
| Staff and Labour (GCC Clause 6) | | |
| 12. | 6.5 | Work will be carried out in normal working hours: 08 am to 06pm with prayer /rest/ lunch breaks |
| Plant, Material and Workmanship (GCC Clause 7) | | |
| 13. | 7.2 | Samples are required for A Class Bricks, Cement, Sand (Fine aggregate) etc. |
| Commencement, Delays and Suspension (GCC Clause 8) | | |
| 14. | 8.3 | The contractor shall submit the work execution program within five days from issuance of Work Order |
| 15. | 8.8 | <p>Delay damages shall be payable for each day of delay shall be 0.1% of the Contract Price per day, in the currency and proportions in which the Contract Price is payable.</p> <p>Maximum amount of delay damages is 10 % of the Contract Price</p> |
| Measurement and Valuation (GCC Clause 12) | | |
| 16. | 12.2 | Method of measurement shall be |

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| | | Measurement of quantities will be conducted as per actual using standard methods of measurement against estimated /bid quantities as mentioned in the schedule of prices/ BoQ |
| 17. | 12.3 | <p>The engineer/employer shall value each item of work on an actual basis in manner.</p> <ul style="list-style-type: none"> the appropriate rate or price for the item shall be the rate or price specified for such item in the Bill of Quantities or other schedules If items of work not specified in BoQ, or other schedule of prices, the rates will be derived from prevailing market rates with applicable percentage of profit not exceeding 5% |
| Variations and Adjustments (GCC Clause 13) | | |
| 18. | 13.4 (b)(ii) | The percentage rate/Item rate to be applied to Provisional Sums for overhead charges and profit shall be in accordance with variation in BoQ or schedule of prices. |
| 19. | 13.7 | <p>Adjustments for Changes in Cost:</p> <p>The Contract Price shall be fixed during Contract Execution.</p> |
| Contract Price and Payment (GCC Clause 14) | | |
| 20. | 14.2 | <p>Not Applicable</p> <p>The advance payment shall not be admissible</p> |
| 21. | 14.2.3 | <p>Not Applicable</p> <p>Repayment of Advance payment:</p> |
| 22. | 14.3(iii) | <p>Not Applicable</p> <p>Percentage of retention:</p> <p>Limits of Retention Money</p> |
| 23. | 14.5(b)(i) | <p>Plant and Materials:</p> <p>If Sub-Clause 14.5 applies:</p> <p>Plant and Materials for payment when shipped _____</p> <p>Not Applicable</p> |
| 24. | 14.5(c)(i) | <p>Plant and Materials:</p> <p>Plant and Materials for payment when delivered to the Site _____</p> <p>Not Applicable</p> |
| 25. | 14.6.2 | <p>Not Applicable</p> <p>Withholding (amounts in) an IPC</p> |
| 26. | 14.7(a) | <p>Not Applicable</p> <p>Period of payment of Advance Payment to the Contractor</p> |

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| | | Advance Payment will be made to the contractor up to five working days after submission of Proforma Invoice |
| 27. | 14.7b(i) | <p>Period for the Procuring Agency to make interim payments to the Contractor under Sub-Clause 14.6 (interim Payment)</p> <p>The payment against IPC will be made within 30 days after submission of Invoice with all supporting documents of performance of work duly verified and certified by engineer in charge through Chief Engineer/Project Director 660MW CFPP Jamshoro, based on conformance to all specifications, direction and scope of work, when the quantum of work exceeds 25%, 50%, 75% of work order. (Three IPCs will be allowed before Final Payment Certificate)</p> |
| 28. | 14.7b(ii) | <p>Period for the Procuring Agency to make interim payments to the Contractor under Sub-Clause 14.13 (Final Payment)</p> <p>The Final Payment Certificate (FPC) shall be paid within 30 days of submission of the Invoice with following Documents</p> <ol style="list-style-type: none"> 1. Final Payment Certificate (FPC) Invoice 2. Substantial Completion Certificate issued by PA 3. Lab Reports in original performed as per contract 4. Actualized measured quantities Certificate 5. Adjustment of deviations in agreed contract quantities and Claimed IPCs |
| 29. | 14.7(c) | <p>Period for the Procuring Agency to make final payment to the Contractor</p> <p>Within 30 days of submission of Verified Invoice with all supporting documents and recommendation by the engineer in charge and recommended/approved by Chief Engineer/Project Director PIU, as the case may be.</p> |
| 30. | 14.8 | <p>Financing charges for delayed payment (percentage points above the average bank short-term lending rate as referred to under subparagraph (a))</p> <p>One-month KIBOR (ask)</p> |
| 31. | 14.11.1(b) | <p>Number of additional paper copies of draft Final Statement</p> <p>03 Sets of draft Final Statement shall be submitted with PA</p> <p>In a Security Watch Towers & Washrooms construction contract, the Draft Final Statement is a formal document prepared by the contractor near the end of the project. It summarizes all financial aspects of the contract, including the final costs, payments received, and outstanding claims. This document is often submitted to the client or the employer for review before the final account is agreed upon. It is a critical step in concluding the financial side of the project.</p> |

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| | | <p>Key Elements of a Draft Final Statement:</p> <ol style="list-style-type: none"> 1. Contract Sum: The original contract price agreed upon at the start of the project. 2. Adjustments: Changes due to variations, additional works, or omissions made during the project. 3. Payments Received: Details of payments made by the client throughout the project, including interim payments. 4. Claims: Outstanding claims, such as delays, disruptions, or unforeseen costs. 5. Deductions: Retention amounts, penalties for delays (if applicable), or other deductions. 6. Outstanding Balance: The remaining amount (if any) to be paid to the contractor. 7. Supporting Documents: Records like measurement sheets, change orders, and approved variations to substantiate the claims. <p>Purpose of the Draft Final Statement:</p> <p>Reconciliation: Ensures both parties agree on the financials before finalizing the project.</p> <p>Transparency: Provides a clear overview of the financial position and any disputes.</p> <p>Closure: Serves as the basis for the final payment and the issuance of the Final Certificate.</p> <p>Once the client reviews and approves the Draft Final Statement (with or without modifications), it may lead to the Final Account and the formal closure of the contract.</p> |
| 32. | 14.15 | <p>Currencies of Payment</p> <p>Payment for the Accepted Contract Amount will be made in <i>Pakistani Rupee only.</i></p> |
| 33. | 14.15 (a)(i) | <p>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.</p> <p>Not Applicable</p> |
| 34. | 14.15 (c) | <p>Payment of Delay Damages shall be made in the currencies and proportions specified in the Contract Data.</p> <p>Payment of Delay Damages shall be made in PKR one-month KIBOR (ask)</p> |
| 35. | 14.15 (f) | <p>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.</p> <p>Not Applicable</p> |

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| 36. | 17.2 (d) | Liability for Care of the Works 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. |
| Insurance (GCC Clause 19) | | |
| 37. | 19.1 | Permitted deductible limits The contractor shall take full responsibility to take all precautions to prevent loss or damage to the works or part thereof for any reasons whatsoever (except for reasons which are beyond control of the contractor or act of God, e.g. flood, riots, war, earthquake, etc.) and shall at his own cost repair and make good the loss/damage to the work so that on completion, the work shall be in good order and condition and in conformity with the requirements of the contract and instructions of the engineer/employer-in-charge/Employer. |
| 38. | 19.2.1(b) | Additional amount to be insured (as a percentage of the replacement value, if less or more than 15%) Not Applicable |
| 39. | 19.2.1(iv) | List of Exceptional Risks which shall not be excluded from the insurance cover for the Works |
| 40. | 19.2.2 | Extent of insurance required for Goods The amount of insurance required for Goods shall be for full replacement value of the Goods |
| 41. | 19.2.3(a) | Amount of insurance required for liability for breach of professional duty- Not Applicable |
| 42. | 19.2.3(b) | Insurance required against liability for fitness for purpose Not Applicable |
| 43. | 19.2.3 | Period of insurance required for liability for breach of professional duty Not Applicable |
| 44. | 19.2.4 | Amount of insurance required for injury to persons and damage to property: PKR 1,500,000/- |
| 45. | 19.2.6 | Insurance <u>Other insurances required by Laws and by local practice</u> 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 insurance required by local |

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| | | practice (if any) shall be detailed in the Contract Data and the Contractor shall provide such insurance in compliance with the details given at the Contractor's own cost. Not Applicable |
| Dispute Avoidance/ Adjudication Board (GCC Clause 21) | | |
| 46. | 21.1 | Time for appointment of DAAB The appointment of DAAB members will be conducted soon after issuance of LOA/Work Order |
| 47. | 21.1 | The DAAB shall comprise three (3) <i>members</i> |
| 48. | 21.1 | List of proposed members of DAAB <ul style="list-style-type: none"> - Proposed by Employer/ Procuring Agency One Member proposed by PA - Proposed by Contractor One Member proposed by Contractor - Proposed with mutual consent of Employer and Contractor One Independent Member who shall act as Convener /Chairman of the DAAB |
| 49. | 21.2 | Appointing entity (official) for DAAB members CEO JPCL/PD PIU and the Contractor shall appoint DAAB members |

SPECIAL STIPULATIONS

Clause Conditions of Contract

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| 1. | The procuring agency reserves the right to issue variation in case of emergency. | Up to 15% of the contract price stated in the Letter of Acceptance/Work Order. |
| 2. | Handing Over of Site by the contractor on completion of work | On completion of the work all rubbish, debris, brick bats etc. shall be removed by the contractor(s) at his own expense and the site cleaned and handed over to the company and he shall intimate officially of having completed the work as per contract |
| 3. | Canvassing in Tender: | Canvassing in connection with the tenders in any shape or form is strictly prohibited and tenders submitted by such tenderers who resort to canvassing shall be liable for rejection. |
| 4. | Final Inspection of Work | <p>The engineer/employer-in-charge and any other officer nominated by the JPCL for the purpose shall make final inspection of all work included in the contract/work order, or any portion thereof, or any completed structure forming part of the work of the contract, as soon as practicable after notification by the contractor that the work has been completed and ready for acceptance. If the work is not acceptable to the engineer/employer-in-charge/Employer at the time of such inspection, he shall inform the contractor in writing as to the particular defects to be remedied before final acceptance can be made.</p> <p>Defects appearing after acceptance:</p> <p>Any defects which may appear within the defect liability period and arising, in the opinion of the engineer/employer-in-charge/Employer, from lack of conformance with the drawings and specifications, shall, if so required by the engineer/employer-in-charge in writing, be remedied by the contractor at his own cost within the time stipulated by the engineer/employer-in-charge. If the contractor fails to comply, the engineer/employer-in-charge/Employer may employ other people to remedy the defects and recover the cost thereof from the dues of the contractor.</p> |

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| 5. | Measurement and Payments | <p>Except where any general or detailed description of the work in the Bill of Quantities or specifications of the contract/ work order provides otherwise, measurement of work done shall be taken in accordance with the relevant standard method of measurement as per the instructions of the engineer -in-Charge /employer</p> <p>All items of work carried out by the contractor in accordance with the provision of the contract having a financial value, shall be entered in the Measurement Book as prescribed by the JPCL so that a complete record of the measurements is available for all the works executed under the contract and the value of the work executed can be ascertained and determined therefrom. Measurements of completed work / portion of completed work shall be recorded only in the Measurement Books.</p> <p>Measurement shall be taken jointly by the engineer/employer-in-Charge or his authorized representative and by the contractor or his authorized representative.</p> |
| 6. | Below Specification Works | <p>The contractors are required to execute all the work satisfactorily and according to the specifications laid down in the contract/ work order. If certain items of work, executed by the contractor, are below specifications, the contractor should re-do them according to the specifications and instructions of engineer in charge (EIC) and if the contractor fails to rectify the defect within the time and in the manner specified by the EIC, the work shall be got re-done or rectified by the JPCL at the risk and cost of the contractor.</p> |
| 7. | Work execution under supervision of Civil Engineer | <p>The contractor/contractors shall keep on the work site during the progress a competent and experienced Civil Engineer exclusively for the work and necessary assistants who shall represent the contractor. The contractor shall employ, on the site in connection with the execution and maintenance of the work, technical and managerial staff.</p> |
| 8. | Safety and security of material and personnel | <p>The contractor shall, in connection with works, provide and maintain, at his own cost, all lights, security guards, fencing when and where necessary as required by the engineer -in-Charge/employer for the purpose of protection of the works, materials at site, safety of workmen and convenience of the public.</p> |
| 9. | Defects Liability Period | <p>In addition to the defects to be rectified by the contractor as per terms of the contract/ work order, the contractor shall be responsible to make good and remedy at his own expense the defects mentioned hereunder within such period as may be stipulated by the engineer/employer-in-Charge in writing:</p> <p>Any defect in the work detected by the engineer/employer-in-Charge within a period of Six (6) months from the date of issue of Defect Liability certificate /substantial completion</p> |

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| | | certificate. |
| 10. | Time for Furnishing Program | Within 05 days from the date of issuance of work order/signing of contract agreement. |
| 11. | Time for Commencement | Within Seven (7) days after the issuance of Engineer's/Employer's Notice to Commence "NTC" which shall be issued immediately after issuance of Work Order |
| 12. | Time for Completion (works & sections) | 120 Calendar days from the Engineer's Notice to Commence "NTC". |
| 13. | Amount of Liquidity Damages/Delay Damages/Penalties | 0.1% Damages per day but the total amount will not be more than 10% of contract Price. |
| 14. | Time of Payment from delivery of Engineer's Interim/Running Payment Certificate to the procuring agency. | Not later than 30 days. |
| 15. | Mobilization Advance. | Not Allowed. |
| 16. | Escalation | NOT APPLICABLE |
| 17. | J.V/Consortium/ Association | Not Allowed |

SECTION VIII: CONTRACT FORMS

Notification of Award

(On Procuring agency/Employer's letterhead)

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 contract 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/Employer 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/Employer to the contractor as mentioned in this contract, the contractor hereby covenants with Procuring agency/Employer to execute the works to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Procuring agency/Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

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

| | |
|--|---|
| Signed, sealed, delivered by _____ the _____ (for the Procuring agency/Employer) | Signed, sealed, delivered by _____ the _____ (for the Contractor) |
| Witness to the signatures of the Procuring agency/Employer | Witness to the signatures of the Contractor |

Performance Guarantee Form

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

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]

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: _____

Dated: _____

Contract Value: _____

Contract Title: _____

[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/Employer]

[Contractor]