

Standard Bidding Document

Construction of Driver Running Room and Special Repair of Guard Running Room at Kotri, including associated Electrical Works and Solarization.
(Works)

National

Single Stage-Two Envelope

CORRIGENDUM # 1	CORR-P113647-001
Initiation Date	September 26, 2026



September 26, 2026

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REQUEST FOR BIDS

PROCUREMENT OF CIVIL WORKS

1. The **Pakistan Railways - Karachi Division (Civil Engineering)** has reserved Funds for the procurement planned for FY **2026-27**. The **Pakistan Railways - Karachi Division (Civil Engineering)** intends to apply part of the proceeds of this Fund to cover eligible payments under the contract for the **"Construction of Driver Running Room and Special Repair of Guard Running Room at Kotri, including associated Electrical Works and Solarization."** with the reference of **"P113647"**.
2. The **Pakistan Railways - Karachi Division (Civil Engineering)** invites sealed Bids from eligible Bidders for procurement of Works (**Construction of Driver Running Room and Special Repair of Guard Running Room at Kotri, including associated Electrical Works and Solarization.**) described in the bidding documents on **EPADS v2.0**.
3. **Single Stage-Two Envelope** will be used by adopting **Least Cost Based Selection (LCBS)** Technique for the subject procurement, in line with the Public Procurement Rules, 2004 and any Regulations, Regulatory Guides, Procurement Guidelines or Instructions issued by the Authority from time to time.
4. All Bids must be accompanied by a Bid Security amount described in Bid Security Section in Bidding Document in the form of **Bid Security Not Applicable**. Or all bids must be accompanied by bid securing declaration in the format specified in the Bidding documents
5. E-Bidding documents, containing detailed terms & conditions, specifications and requirements etc. are available on **e-Pak Acquisition and Disposal System (EPADS)** at **<https://epads.gov.pk/opportunities/federal/procurements/113647>** for all the interested bidders registered on **EPADS v2.0**. Bidders are required to get themselves registered on **EPADS v2.0** to participate in Bidding process.
6. The e-bids, prepared in accordance with the instructions in the e-Bidding documents, must be submitted through **EPADS v2.0** on or before **Friday**,

October 2, 2026 11:00 AM. E-bids will be opened by using **EPADS v2.0** on the same day at **Friday, October 2, 2026 11:30 AM.** Manual submission of Bids shall not be entertained. Those vendor who have not yet registered on the new version of **EPADS v2.0**, may register themselves on <https://vendors.epads.gov.pk/>. A tutorial to explain the registration process is available at <https://www.youtube.com/watch?v=MNW6T38v7tc>.

In terms of Rules 48 of Public Procurement Rules, 2004 Grievance Redressal Committee (GRC) is notified for the subject procurement and notification copy is available on the procuring agency's website and on Authority's website at (www.ppra.org.pk).

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Instructions to Bidders

A. INTRODUCTION

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/ International Competitive Bidding process are specified in the BDS.

2. Source of Funds

2.1. Source of funds as referred in Clause 2 of Bid Data Sheet.

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, or any combination of them with a formal existing agreement (on Judicial Papers) in the form of a joint venture or consortium. In the case of a joint venture or consortium, all members shall be jointly and severally liable for the execution of the Contract in accordance with the terms and conditions of the Contract. The joint venture or consortium shall nominate a Lead Member as nominated in the BDS, who shall have the authority to conduct all business for and on behalf of any and all the members of the joint venture or consortium during the Bidding process, and in case of award of contract, during the execution of contract. Verifiable copy of the agreement that forms a joint venture, consortium or association shall be required to be submitted as part of the Bid.

Any bid submitted by the joint venture, consortium or association shall indicate the part of proposed contract to be performed by each party and each party shall be evaluated (or post qualified if required) with respect to its contribution only, and the responsibilities of each party shall not be substantially altered without prior written approval of the Procuring Agency and in line with any instructions issued by the Authority.

(The limit on the number of members of JV or Consortium may be prescribed

in BDS, in accordance with the guidelines issued by the PPRA).

3.2. 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. Procuring agencies shall specify the registration/licensing requirements for the foreign bidder keeping in view the requirement of that business.

3.3. 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:

3.3.1. 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

3.3.2. have controlling shareholders in common; or

3.3.3. receive or have received any direct or indirect subsidy from any of them; or

3.3.4. have the same legal representative for purposes of this Bid; or

3.3.5. 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

3.3.6. Submit more than one bid in this bidding process.

3.4. A Bidder may be ineligible if –

3.4.1. he is declared bankrupt or, in the case of company or firm, insolvent;

3.4.2. payments in favor of the bidder is suspended in accordance with the judgment of a court of law other than a judgment declaring bankruptcy and resulting (in accordance with the national laws) in the total or partial loss of the right to administer and dispose of its property;

3.4.3. the bidder is convicted, by a final judgment of a Court of Law or relevant Professional Statutory Body, of any offence involving professional conduct;

3.4.4. 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.

3.5. As and when required, 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.

3.6. 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”.

B. BIDDING DOCUMENTS

5. Contents of Bidding Documents

5.1. 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 7.1 include:

Section I -Invitation for Bids

Section II Instructions to Bidders (ITBs)

Section III Bid Data Sheet (BDS)

Section IV Eligible Countries

Section V Evaluation and Qualification Criteria

Section VI Works Requirements Technical Specifications & Schedule of Requirements

Section VII Standard Bidding Forms

Section VIII General Conditions of Contract (GCC)

Section IX Particular Conditions of Contract (PCC)

Section X Contract Forms

5.2. 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.

6. Clarification of Bidding Document, Pre-bid Meeting

6.1. A prospective bidder requiring any clarification of the bidding document may notify the Procuring agency/Employer through EPADS.

6.2. The Procuring agency/Employer shall respond to the request for clarification in accordance with Rule 31 of the Public Procurement Rules 2004.

6.3. Should the Procuring Agency deem it necessary to amend the BIDDING document as a result of a clarification, it shall do so following the procedure under ITB 7.

6.4. 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.

6.5. 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 uploaded on EPADS. Any modification to the bidding documents that may become necessary as a result of the pre-bid meeting shall be made by the Procuring agency/Employer exclusively through the use of an Addendum pursuant to ITB 7. Non-attendance at the pre-bid meeting will not be a cause for disqualification of a bidder.

6.6. 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.

6.7. 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.

7. Amendment of Bidding Documents

7.1. The procuring agency may issue notification of any change, addition, modification or deletion in accordance with Rule 23 of the Public Procurement Rules 2004 i.e. Bidding Documents.

7.2. 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:

Provided that the Procuring agency/Employer shall extend the deadline for submission of bid in pursuance of Rule 27 of the Public Procurement Rules 2004, i.e. Extension of time for submission of bids, if such an addendum is

issued within last three (03) days of the bid submission deadline.

C. PREPARATION OF BIDS

8. Language of Bid

8.1. 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.

9. Documents Constituting the Bids

9.1. The Bids prepared by the Bidder shall constitute of all the documents required in the BDS.

10. Documents Establishing Eligibility of Material, Equipment and Works, their Conformity to Bidding Documents

10.1. The bid prepared by the bidder shall constitute the following components: -

10.1.1. Documentary evidence established in accordance with ITB 10 that the material and equipment to be utilized by the Bidder for the executions of works are eligible material and equipment and conform to the Bidding Documents;

10.1.2. Documentary evidence established in accordance with ITB 11 that the bidder has been authorized to carry out the Construction works;

10.1.3. Documentary evidence established in accordance with ITB 11 that the bidder is eligible and/or qualified for the subject bidding process;

10.1.4. Form of Bid and Bid Prices completed in accordance with ITB 12 and 13;

10.1.5. Completed schedules as required, including priced Bill of Quantities in accordance with ITB 13.

10.1.6. Technical Proposal completed in all aspects in accordance with ITB-15.

10.1.7. Bid security or Bid Securing Declaration furnished in accordance with ITB 17;

10.1.8. Any other document required in the BDS.

10.2. 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.

10.3. The bidder shall furnish, as part of its bid, all those documents establishing the eligibility in conformity to the terms and conditions specified in the bidding documents for all material, equipment and works which the bidder proposes to execute.

10.4. 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:

10.4.1. a detailed description of the work methodology, approach, schedule and resources to be mobilized at site;

10.4.2. 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;

10.4.3. any other procurement specific documentation requirement as stated in the BDS.

10.5. 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.

11. Documents Establishing Eligibility and Qualification of the Bidder

11.1. 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.

11.2. 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".

11.3. 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:

11.3.1. 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.

11.3.2. 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.

11.3.3. That the bidder meets the qualification criteria listed in Section-V, Evaluation and Qualification Criteria and BDS.

12. Forms of Bid

12.1. The Bidder shall fill the Form of Bids furnished in the bidding documents. The Bids Form must be completed without any alterations to its format and no substitute shall be accepted.

13. Bid Prices

13.1. 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.

13.2. 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.

13.3. 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):

Provided that:

13.3.1. where there is only one (substantially) responsive bidder, or

13.3.2. where there is provision for alternate proposals and the respective items are not listed in the other bids,

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.

13.4. The Bid price to be quoted in the Form of Bid in accordance with ITB 12 shall be the total price of the bid.

13.5. 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.

13.6. If so specified in ITB 1.1, bids may be invited for individual lots (contracts) or for any combination of lots (packages).

13.7. 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 27, unless otherwise price adjustment is permissible under Conditions of the Contract.

13.8. 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.

14. Currencies of Bid and Payment

14.1. Prices shall be quoted in Pakistani Rupees unless otherwise specified in the BDS. Comparison of bids and tie of bid shall be treated in accordance with the Rule 30(2) of Public Procurement Rules, 2004.

15. Documents Comprising the Technical Proposal

15.1. The bidder shall furnish a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in Section VII – Standard Bid Forms, in sufficient detail to demonstrate the adequacy of the bidder's proposal to meet the work requirements and the completion time.

16. Bid Validity Period

16.1. 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.

16.2. Under exceptional circumstances, prior to the expiration of the initial Bids/Bid validity period, the Procuring Agency may request the Bidders' consent to an extension of the period of validity of their Bids/Bid. Such request for extension of the period of bid validity shall be carried out in accordance with Rule 26 of the Public Procurement Rules, 2004.

17. Bid Security or Bid Securing Declaration

17.1. Pursuant to ITB 11.1 unless otherwise specified in the BDS, the bidder shall furnish as part of its bid, a Bid Security in accordance with Rule 25 of the Public Procurement Rules, 2004 in the amount and currency specified in the BDS or Bid Securing Declaration as specified in the BDS in the format provided in Section VII (Standard Bidding Forms).

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.

Until the development of functionality of auto verification of financial instrument in EPADS, the scanned copy of bid security or bid securing declaration, as the case may be, shall be uploaded on E-PADS whereas the original instrument to be submitted to the procuring agency before closing of bid submission deadline,

17.2. The Bid Security shall be denominated in the local currency or in another freely convertible currency, and it shall be in the form specified in the **BDS** which shall be in any of the following:

17.2.1. 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;

17.2.2. A cashier's or certified cheque; or

17.2.3. Another security as indicated in the **BDS**.

17.3. 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 VII (Standard Bidding Forms) or another form approved by the Procuring agency/Employer prior to the bid submission.

17.4. The Bid Security shall be payable promptly upon written demand by the Procuring agency/Employer in case any of the conditions listed in ITB 17.9 are invoked.

17.5. Any bid not accompanied by a Bid Security or Bid Securing Declaration in accordance with ITB 17.1 or 17.3 shall be rejected by the Procuring agency/Employer and shall be declared as non-responsive bid, pursuant to ITB 27.

17.6. Unsuccessful bidders' Bid Security will be discharged or returned as promptly as possible, however in no case later than thirty (30) days after the expiration of the period of Bid Validity prescribed by the Procuring agency/Employer pursuant to ITB 16. 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:

17.6.1. The expiry of the Bid Security;

17.6.2. 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;

17.6.3. The rejection by the Procuring agency/Employer of all Bids;

17.6.4. 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.

17.7. The successful bidder's Bid Security will be discharged upon the bidder signing the contract pursuant to ITB 40, or furnishing the performance security (or guarantee), pursuant to ITB 41.

17.8. The Bid Security may be forfeited or the Bid Securing Declaration executed:

17.8.1. if a Bidder:

17.8.1.1. 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 16.2; or

17.8.2. In the case of a successful bidder, if the bidder fails:

17.8.2.1. to sign the contract in accordance with ITB 40; or

17.8.2.2. to furnish performance security (or guarantee) in accordance with ITB 41.

17.9. 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. In case the JV is not legally constituted at the time of bid submission, the bid security or bid securing declaration shall be in the names of all future members as named in the letter of bid.

18. Withdrawal of Bids

18.1. Before bid submission deadline, any bidder may withdraw, substitute, or modify its bid after it has been submitted by sending a written notice, duly signed by an authorized representative, and the corresponding must accompany the respective written notice.

19. Format and Signing of Bid

19.1. The Bidder shall prepare and submit Bids through EPADS with due diligence after carefully reading all the terms and condition before bid submission deadline.

D. SUBMISSION OF BIDS

20. Submission of Bids through EPADS v2.0

20.1. All bids shall be submitted through EPADS v2.0.

21. Deadline for Submission of Bids

21.1. All bids shall be received through **EPADS v2.0** not later than bid submission deadline as specified in the **BDS**.

21.2. The Procuring agency/Employer may, under exceptional circumstances and at its discretion, extend the deadline for the submission of bids, pursuant to Rule 27 of the Public Procurement Rules, 2004. Extension of Time for submission of bid, by amending the Bidding Documents in accordance with ITB 7, 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.

22. Substitution and Modification of bids

22.1. A bidder may substitute or modify his bid after it has been submitted, provided that written notice of the substitution or modification of the bid, is received by the Procuring agency/Employer prior to the deadline for submission of bids.

22.2. Revised bid may be submitted after the substitution or modification made in the original bid in accordance with the provisions referred in **ITB 18**.

E. OPENING AND EVALUATION OF BIDS

23. Opening of Bids

23.1. The Procuring Agency will open bids in accordance with Rule 28 of the Public Procurement Rules, 2004 and as specified in the BDS.

24. Confidentiality

24.1. 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.

25. Clarification of Bids

25.1. Clarification of Bidding Documents shall be carried out in accordance with Rule 31 of the Public Procurement Rules, 2004.

25.2. 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:

- 25.2.1. evaluation & qualification criteria;
- 25.2.2. required scope of work;
- 25.2.3. contract price;
- 25.2.4. all securities requirements;
- 25.2.5. tax requirements;
- 25.2.6. terms and conditions of bidding documents.
- 25.2.7. change in the ranking of the bidder

26. Preliminary Examination of Bids

26.1. Prior to the detailed evaluation of bids, the Procuring agency/Employer will determine whether each bid:

- 26.1.1. meets the eligibility criteria defined in **ITB 3** and **ITB 4**;
- 26.1.2. has been prepared as per the format and contents defined by the Procuring agency/Employer in the bidding documents;
- 26.1.3. has been properly signed;

26.1.4. is accompanied by the required securities; and

26.1.5. is substantially responsive to the requirements of the bidding documents.

The Procuring agency/Employer's determination of a bid's substantial responsiveness will be based on the contents of the bid itself.

26.2. 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: -

26.2.1. affects in any substantial way the scope, quality, or performance of the Works;

26.2.2. limits in any substantial way, inconsistent with the bidding documents, the Procuring agency/Employer's rights or the bidders' obligations under the Contract; or

26.2.3. if rectified, would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

26.3. The Procuring agency/Employer will confirm that the documents and information specified under ITB 9, 10 and 11 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.

26.4. 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.

Explanation: A minor informality, non-conformity or irregularity is one that is merely a matter of form and not of substance. It also pertains to some immaterial defect in a Bid or variation of a bid from the exact requirements of the invitation that can be corrected or waived without being prejudicial to other bidders. The defect or variation is immaterial when the effect on quantity, quality, or delivery is negligible when contrasted with the total cost or scope of the works. The Procuring agency/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 –

26.4.1. Submit the number of copies of signed bids required by the invitation;

26.4.2. Furnish required information concerning the number of its employees;

26.4.3. 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.

26.5. 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.

26.6. 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.

26.7. 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.

27. Examination of Terms and Conditions; Technical Evaluation

27.1. The Procuring agency/Employer shall examine the bid to confirm that all terms and conditions specified in the **GCC** and the **PCC** have been

accepted by the bidder without any material deviation or reservation.

For this purpose:

“Deviation” means departure from the requirements specified in the Bidding Document.

“Reservation” means setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Document.

27.2. The Procuring agency/Employer shall evaluate the technical aspects of the bid submitted in accordance with ITB 30, to confirm that all requirements specified in Section VI – Works Requirement, Technical Specifications of the Bidding Documents have been met without material deviation or reservation.

27.3. 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 27, it shall reject the bid.

28. Correction of Arithmetic Errors

28.1. Bids determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows: -

28.1.1. 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;

28.1.2. 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

28.1.3. where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.

28.1.4. 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.

28.2. 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 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 41.3**.

29. Conversion to Single Currency

29.1. 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. Comparison of bids quoted in different currencies and conversion of bids into a single currency shall be carried out in accordance with Rule 30(2) of the Public Procurement Rules, 2004.

30. Evaluation of Bids

30.1. The Procuring agency/Employer shall evaluate and compare only the bids determined to be substantially responsive, pursuant to **ITB 27**.

30.2. 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.

30.3. The Procuring agency/Employer's evaluation of a bid will take into account:

30.3.1. 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;

30.3.2. converting the amount resulting from applying above, if relevant, to a single currency in accordance with ITB 29;

30.4. 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.

30.5. 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**.

30.6. If the bid, which results in the Evaluated Bid Price (Successful 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.

Explanation:

"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.

31. Domestic Preference

31.1. 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.

32. Determination of Successful Bid

32.1. The Procuring agency/Employer shall compare the evaluated bids in accordance with the predefined bidding procedure, of all substantially responsive bids to determine the Successful bidder.

33. Qualification of Bidder

33.1. The Procuring agency/Employer shall determine to its satisfaction whether the bidder is substantially responsive and whose bid is declared as Successful bid either continues to meet (if prequalification applies) or meets (if post-qualification applies) the qualifying criteria specified in Evaluation and Qualification Criteria.

Note: In case of international bidding, the parameters for incorporation or licensing within Pakistan may be fulfilled as part of post qualification.

33.2. The determination shall be based upon an examination of the documentary evidence of the bidder's qualifications submitted by the bidder, pursuant to **ITB 11**.

33.3. 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.

34. Sub-Contractors

34.1. The bidder shall provide details regarding any specialized sub-contractor to the Procuring agency/Employer. In case change of sub-contractors, the bidder shall promptly notify the Procuring agency/Employer and obtain approval for replacement of sub-contractors.

34.2. Bidders may propose sub-contracting up to the percentage of total value of contracts or the volume of works as specified in the **BDS**.

35. **Abnormally Low Financial Bid**

35.1. A procuring Agency may reject abnormally low bids. 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. Moreover, the Procuring agency/Employer shall not incur any liability solely by rejecting abnormally bid

Guidance for Procuring agency/Employer:

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. In order to identify the Abnormally Low Bid (ALB) following approaches can be considered to minimize the scope of subjectivity:

35.1.1. Comparing the bid price with the cost estimate;

35.1.2. Comparing the bid price with the bids offered by other bidders submitting substantially responsive bids; and

35.1.3. Comparing the bid price with prices paid in similar contracts in the recent past either government- or development partner-funded.

35.2. The Procuring agency/Employer will determine to its satisfaction whether the bidder that is selected as having submitted the successful bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in **ITB 11**

35.3. The determination will take into account the bidder's financial and technical capabilities. It will be based upon an examination of the documentary evidence of the bidder's qualifications submitted by the bidder, pursuant to **ITB 11**, as well as such other information as the 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.

35.4. 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.

Explanation: 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.

35.5. An affirmative determination will be a prerequisite for award of the contract to the bidder. A negative determination will result in rejection of the bidder’s bid, in which event the Procuring agency/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

36. Criteria of Award

36.1. 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 Successful Bidder, provided that such bidder has been determined to be:

36.1.1. eligible in accordance with the provisions of **ITB 3**;

36.1.2. is determined to be qualified to perform the Contract satisfactorily;
and

36.1.3. Successful negotiations have been concluded, if any.

37. Negotiations

37.1. The Committee of the Procuring agency/Employer may negotiate with the Most Advantageous Bidder relating to the following areas:

37.1.1. a minor alteration to the technical (drawings, design technical specifications) details of the statement of works;

37.1.2. Methodology, work plan, staffing in view to streamline the work;

37.1.3. a minor amendment to the Particular conditions of Contract;

37.1.4. finalizing payment arrangements;

37.1.5. clarifying details that were not apparent or could not be finalized at the time of Bidding;

37.2. 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.

38. Procuring agency's Right to reject All Bids

38.1. The procuring agency has the right to reject all bids in accordance with Rule 33 of the Public Procurement Rules, 2004. However, the Authority (i.e. **PPRA**) may call from the Procuring agency/Employer the justification of those grounds.

39. Notification of Award

39.1. The procuring agency shall announce and publish the evaluation result in accordance with Rule 35 of the Public Procurement Rules, 2004.

39.2. 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 through EPADS. However, the Procuring agency/Employer shall not award any procurement contract at least for five (05) days after the announcement of final evaluation report. 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).

39.3. 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 41** and signing of the contract in accordance with **ITB 40**.

39.4. Upon the successful bidder's furnishing of the performance security (or guarantee) pursuant to **ITB 41**, 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 17**.

40. Signing of Contract

40.1. 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.

40.2. 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.

40.3. Where no formal signing of a contract is required, work order issued to the bidder shall be construed to be the contract.

41. Performance Security (or Guarantee)

41.1. 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 PCC, denominated in the type and proportions of currencies in the Letter of Acceptance and in accordance with the Conditions of Contract.

41.2. 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:

41.2.1. certified cheque, cashier's or manager's cheque, or bank draft;

41.2.2. 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;

41.2.3. bank guarantee confirmed by a reputable local bank or, in the case of a successful foreign bidder, bonded by a foreign bank; or

41.2.4. surety bond callable upon demand issued by any reputable surety or insurance company.

Any Performance Guarantee submitted shall be enforceable in Pakistan.

41.3. Failure of the Most Advantageous Bidder to comply with the requirement of **ITB 40** 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).

42. **Advance Payment**

42.1. Advance payment will be provided to the bidder in percentage and in the manner as agreed by the both parties in terms of Conditions of the Contract.

42.2. The Procuring agency/Employer will provide an advance payment as stipulated in the Conditions of Contract, subject to a maximum amount, as stated and/or Conditions of the Contract. The advance payment request shall be accompanied by an advance payment security (guarantee) in the form provided in Section X. For the purpose of receiving the advance payment, the bidder shall make and estimate of, and include in its bid, the expenses that will relate to the purchase of equipment, machinery, materials, and on the engagement of labor during the first month beginning with the date of the Procuring agency/Employer's "**Notice to Commence**" as specified in the **PCC**.

43. General Performance of the Bidders

43.1. 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.

44. Corrupt & Fraudulent Practices

44.1. Procuring agencies (including beneficiaries of Government funded projects and procurement) as well as Bidders/Suppliers/Contractors under Government financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts, and will avoid to engage in any corrupt and fraudulent practices.

G. GRIEVANCE REDRESSAL & COMPLAINT REVIEW MECHANISM

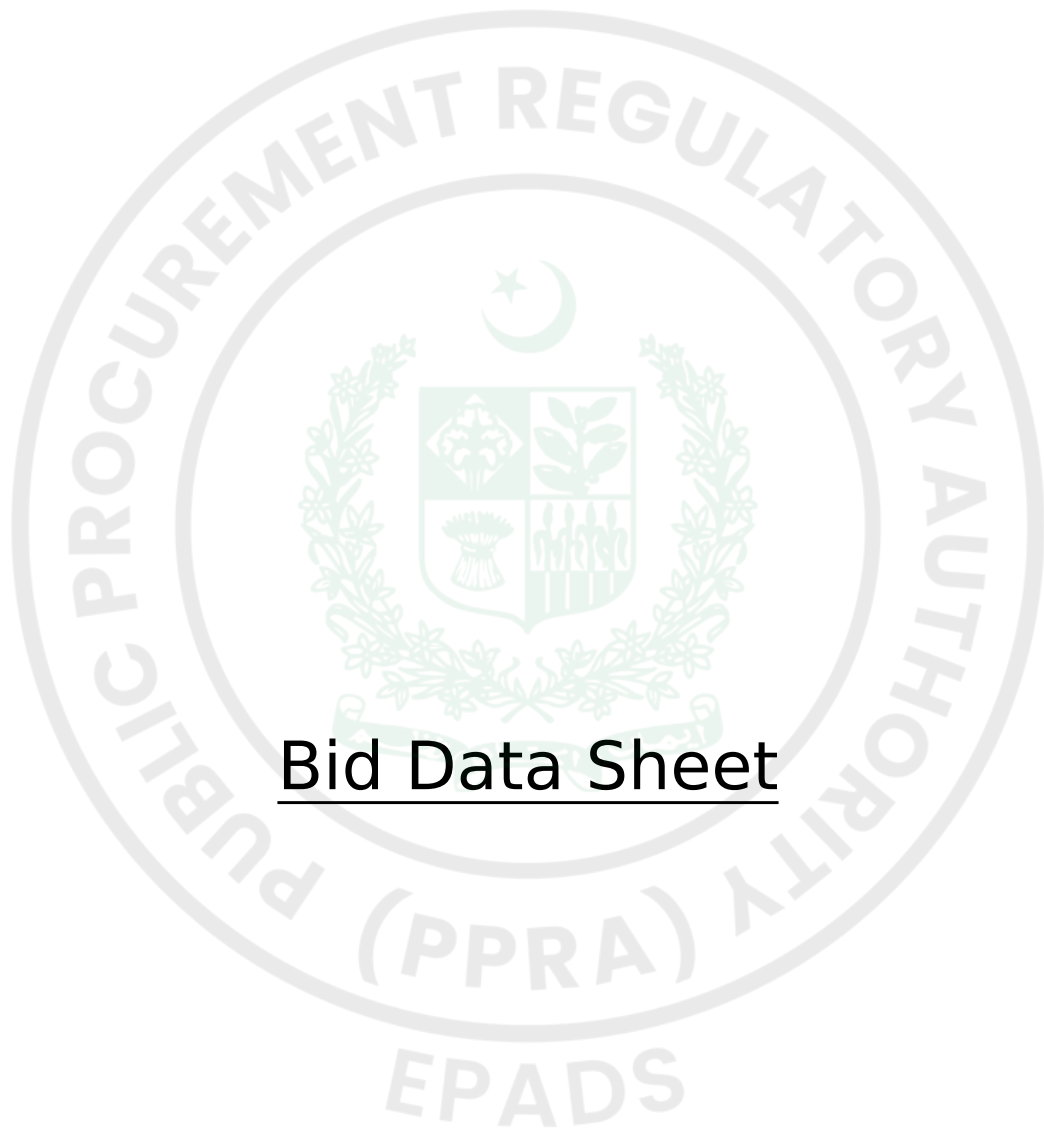
45. Grievance Redressal

45.1. Grievance Redressal shall be carried out in accordance with Rule 48 of the Public Procurement Rules, 2004 i.e. Redressal of grievances by the procuring agency and "Redressal of Grievances Regulations 2021".

H. MECHANISM OF BLACKLISTING

46. Mechanism of Blacklisting

46.1. The Procuring agency/Employer shall proceed Blacklisting of Bidders/Contractors in accordance with Rule 19 of the Public Procurement Rules, 2004 i.e. Blacklisting and "Blacklisting and Debarment of Bidders or Contractors Regulations 2024.



Bid Data Sheet

Bids Data Sheet (BDS)

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

BDS Clause Number	ITB Number	Amendments of, and Supplements to, Clauses in the Instruction to Bidders
A. Introduction		
1	1.1	Name of Procuring Agency:Pakistan Railways - Karachi Division (Civil Engineering) The subject of procurement is:Construction of Driver Running Room and Special Repair of Guard Running Room at Kotri, including associated Electrical Works and Solarization. Expected commencement date: Tuesday, November 10, 2026
2.	2.1	Financial year for the operations of the Procuring Agency:2026-27 Name and identification number of the Contract: P113647
3.	3.1	JV/Consortium or Association Allowed: Yes Number of JV/Consortium Members: 3
B. Bidding Documents		

4.	6.2 & 6.4	The Bidders may seek clarifications through EPADS v2.0 : Clarification Date: Monday, September 28, 2026
5.	7.2	Any addendum, in case issued, shall be published on Pakistan Railways - Karachi Division (Civil Engineering) website and on EPADS v2.0 .
C. Preparation of Bids		



6.	8.1	List of documents required along with the bid: 1. Original Bid Security (CDR/Pay Order/Bank Guarantee) in favor of Divisional Accounts Officer, Pakistan Railways, Karachi 2. Pakistan Engineering Council (PEC) Registration Certificate (Category C-4 or higher). 3. NTN (National Tax Number) Certificate & Active Taxpayer List (ATL) Status Proof issued by FBR 4. Affidavit on Judicial Stamp Paper declaring that the firm Has never been blacklisted by any Government/Semi Government/Autonomous/State-Owned Organization and is not facing any blacklisting case in any Court of Law. & Undertaking that the firm/JV partner is not involved in litigation with Pakistan Railways and will not subcontract any firm involved in litigation with Pakistan Railways 5. Audited Financial Statements/Audit Reports for FY 2022-23, 2023-24 & 2024-25. 6. Documentary evidence of successful completion of at least two (02) similar projects during the last Ten (10) years, including Completion Certificates. 7. Firm (for JV in totally) must have Rs.50.00 million in its account as 08.09.2026. Proof of balance be furnished in shape of latest bank statement attached. Original bank statement duly signed by Bank Authority
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7.	9.1	The qualification criteria to establish the supply / production capability of the bidder. <i>see Eligibility Criteria</i>
8.	11.2	Works and Their related documents: <i>See section Required Scope of Work</i>
9.	11.1	Price schedule will be provided according to the format defined and acquired. <i>see section price schedule.</i>
10.	11.4	Specifications: <i>see section of specifications.</i>
11.	11.5 & 13.5	The price shall be Fixed . The bid price shall be adjusted in accordance with Appendix provided - Formula for Price Adjustment.
12.	14.1	Currency of the Bids shall be : PKR
13.	16.1	The Bids/Bid Validity period shall be: 120 Days
14.	17.1	The amount of Bid Security shall be as defined in Bid Security Section for items and lots given in BDS 6
15.	17.2	The Bid Security shall be in the form of:
16.	15.1	Alternative Bids to the requirements of the bidding documents will not be permitted.
D. Submission of Bids		

17.	18.1 & 21.1	Bid shall be submitted online on EPADS v2.0 whereas hard copy of the bid security should be submitted to the following; Divisional Superintendent Office, I.I Chundrigar Road Karachi, Sindh (Province) Bids that are not submitted on EPADS v2.0 shall be disqualified. The deadline for Bids submission is: Friday, October 2, 2026 11:00 AM
E. Opening and Evaluation of Bids		
18.	24.1	The Bids opening shall take place on EPADS v2.0. Day : Friday Date: October 02, 2026 Time : 11:30 AM
19.	30.2	Selection technique adopted will be: Least Cost Based Selection (LCBS) <i>see Evaluation Criteria</i>
F. Award of Contract		
20.	41.1 & 41.2	The Performance guarantee shall: 10.00%. The Performance Guarantee shall be acceptable in the form of: Pay Order, Call at Deposit, Bank Guarantee
21.	45.1	Arbitrator shall be appointed by mutual consent of the both parties.

G. Review of Procurement Decisions

22.	37	Grievance against this procurement shall be submitted online on EPADS v2.0.
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Eligibility Criteria

Bidder's Type	Required Registration
Any	NADRA CITIZENSHIP (CNIC/NICOP) FBR (NTN) FBR (GSTN) PEC

Eligibility Criteria	Document
1. GeneralThe Technical proposal of the Bidders shall be evaluated for the post-qualification of bidders based on the criteria given in succeeding paras regarding the Bidders Basic Eligibility, Particular Experience, Personnel Capabilities, Equipment Capabilities, Methodology of performing work and Financial Soundness.	No
2. Weightage/MarksThe weightage/ distribution of the marks of following sections shall be as given below:- a. Particular Experience = 30 Marks, b. Personnel Capabilities = 20 Marks, c. Financial Capabilities = 30 Marks, d. Methodology of performing work = 10 Marks, e. Equipment Capabilities = 10 Marks, Total = 100 Marks. The Minimum overall score needed by a bidder to qualify shall be 70%	No
3. Mandatory RequirementThe Firms fulfilling the following Mandatory requirements shall only be considered for further evaluation (relevant documents to be attached against each requirement).	No
3. a) The firm (each partner in case of JV) must have proof of Valid registration with Pakistan Engineering Council (PEC) in Financial Category C-4 and above code of CE-10, EE-11(iii) & EE-11(vi).	Yes
3. b) The firm (each partner in case of JV) must have Proof of Registration of Income Tax Department and the Bidders must be in Active Tax Payers list.	Yes

3. c) Firms must provide affidavit on legal stamp paper, declaring that the Firm has never been black listed by any Government/Semi Government, autonomous or State-Owned Organization and that their cases regarding black listing are not under trial in any court of Law.	Yes
3. d) Firms (for JV in totality) must attach Audit Report for last 3 Financial Years (FY- 2022-2023, FY- 2023-2024, FY- 2024-2025).	Yes
3. e) Firms must have proof of Completion of at least two (02) similar Project during last Ten (10) Years, where SIMILAR PROJECT means the following works executed under a single or multiple contracts: Construction of RCC Building structure along with associated electrical works, having cost of minimum 25 million or above.	Yes
3. f) Original Bid Security Amounting to Rs. 1,951,085.00/- (Rupees Nineteen Lac Fifty-One Thousand Eighty-Five Only) in the shape of Call Deposit Receipt (CDR) / Bank Guarantee in favour of Divisional Accounts Officer, Pakistan Railways, Karachi from any Scheduled Bank in Pakistan to be attached with technical proposal.	Yes
3. g) Firm (for JV in totality) must have Rs.50.00 million in its account as on 08.09.2026. Proof of balance be furnished in shape of latest bank statement attached. Original bank statement duly signed by Bank Authority.	Yes
3. h) In case of joint Venture, the JV Agreement between all the Firms showing the lead Firm and Partner firms, must be attached	Yes

Evaluation Criteria

Least Cost Based Selection (LCBS)

Weightage

Technical Evaluation %	
100	
Technical Marks	100
Passing Marks	100
1. Work Experience (30 Marks): Work experience shall be evaluated based on the successful completion of Construction of RCC building structures along with ITC of associated Electrical work, each having a minimum contract value of PKR 25.00 million	
1(a)- For Successful Completion of Two (02) Projects in Total. (Qualitative)(Doc Required)	20
1(b)- For Successful Completion of each Additional Project. i.e. Three (2+1=3) or more Projects in Total. (Qualitative)(Doc Required)	10
2. Personnel Capabilities (Total Marks 20) Marking for personal capabilities of the firms shall be evaluated on the basis of following criteria.	
2(a)- .BSc. Civil Engineer, minimum experience of 5 Years or more. (Qualitative)(Doc Required)	10
2(b)- .BSc. Electrical Engineer, minimum experience of 5 Years or more. (Qualitative) (Doc Required)	5

2(c)- One DAE Civil/Electrical, with minimum experience of 5 Years. (Qualitative)(Doc Required)	5
3. Financial Capabilities (Total Marks 30) Marking for financial position of the firm shall be evaluated on the basis of the following criteria.	
3(a)- Fifteen (15) Marks will be awarded if Annual Turnover is Between Rs. 50.00 Million and Rs. 70.00 Million. Zero Marks will be Given if Works Turnover is less than 50.00 Million. (Qualitative)(Doc Required)	15
3(b)- Annual Turnover if Between Rs. 70.00 Million and Rs. 100.00 Million. (Qualitative) (Doc Required)	5
3(c)- Annual Turnover if more than Rs. 100.00 Million. (Qualitative)(Doc Required)	10
4. Methodology of performing work (Total Marks =10) shall be evaluated on the basis of the following criteria.	
4(a)- Four (04) Marks if Fair (Qualitative)(Doc Required)	4
4(b)- Two (02) Additional Marks if upto Good (Qualitative)(Doc Required)	2
4(c)- Two (02) Additional Marks if upto Very Good (Qualitative)(Doc Required)	2
4(d)- Two (02) Additional Marks if upto Excellent. (Qualitative)(Doc Required)	2
5. Equipment Capabilities (Total Marks = 10). Marking for Tools and Plant of the firms shall be evaluated as per following criteria and capacity of each unit is to be mentioned.	
5(a)- Two (02) Marks for 04 Nos Dumper Truck (Qualitative)(Doc Required)	2
5(b)- Two (02) Marks for Excavator (Qualitative)(Doc Required)	2
5(c)- One (01) Mark for 02 Nos Plate Compactors (Qualitative)(Doc Required)	1
5(d)- Two (02) Marks for Tractor with Trolley (Qualitative)(Doc Required)	2

5(e)- One (01) Mark for 02 Nos Water Bowser. (Qualitative)(Doc Required)	1
5(f)- One (01) Mark for Concrete Mixer. (Qualitative)(Doc Required)	1
5(g)- One (01) Mark for Scaffolding & Steel Shuttering not less than 200 Sft. (Qualitative)(Doc Required)	1

Jobs/Lots

Jobs Without Lots :

Job	Delivery Schedule	Quantity	Bid Security
Civil Work - Construction of Driver Running Room at Kotri	Address: Driver Running Room - Kotri Schedule: 90 Days Quantity: 01/job	1/job	1184028 PKR
Electrical Work - Construction of Driver Running Room at Kotri	Address: Driver Running Room Kotri Schedule: 90 Days Quantity: 1/job	1/job	163336.86 PKR
DESIGN, SUPPLY, INSTALLATION, COMMISSIONING & TESTING OF 35-KW HYBRID SOLAR SYSTEM AT DRIVER RUNNING ROOM KOTRI OVER PAKISTAN RAILWAYS KARACHI DIVISION	Address: Driver Running Room Kotri Schedule: 90 Days Quantity: 1/job	1/job	132000 PKR

Job	Delivery Schedule	Quantity	Bid Security
Civil Work - Special Repair of Guard Running Room at Kotri	Address: Guard Running Room Kotri Schedule: 90 Days Quantity: 1/job	1/job	218637 PKR
Electrical Work - Special Repair of Guard Running Room at Kotri	Address: Guard Running Room Kotri Schedule: 90 Days Quantity: 1/job	1/job	121083 PKR
, SUPPLY, INSTALLATION, COMMISSIONING & TESTING OF 35-KW HYBRID SOLAR SYSTEM AT GUARD RUNNING ROOM KOTRI OVER PAKISTAN RAILWAYS KARACHI DIVISION	Address: Guard Running Room Kotri Schedule: 90 Days Quantity: 1/job	1/job	132000 PKR

Related Services :

No



Work Specifications and Market Rates

Jobs Without Lots :

Job: Civil Work - Construction of Driver Running Room at Kotri

Specifications / Requirements:

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
1	P113647	Structural excavation for foundation of buildings, bridges and other structures upto 5 ft (1.5 m) depth including dagbelling, dressing, refilling around structures with excavated earth, watering and ramming, lead upto 100 ft (30 m) complete in all respects.(b) In ordinary soil. (CSR-2016 Item No. 4.3.1-b)	%cft	11092	799	Rupees Seven hundred ninety nine only	88625.08
2	P113647	Providing and laying cement concrete with stone ballast 1-1/2" (40 mm) to 2" (50 mm) gauge in foundation and plinth:- (b) Ratio 1:4:8 (CSR-2016 Item No.5.2.1-b)	P.Cft	6625	151	Rupees One hundred fifty one only	1000375

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
3	P113647	Providing, laying and jointing pacca brick work in foundation and plinth in buildings or other than buildings using first class new bricks, raking of joints and curing as per drawings and specifications, complete in all respects in:-(b) Cement sand mortar 1:4 (CSR-2016 Item No. 6.1.1-b)	Pcft	5198	203	Rupees Two hundred and three only	1055194
4	P113647	Providing and laying damp proof course of cement concrete 1:2:4 nominal mix (using cement, sand and shingle/crushed stone), including bitumen coating:- The rate includes overlaps of polythene sheet. (a) With one coat of bitumen 10/20 grade @ 19 lbs per 100 sft and polythene sheet 500 gauge. (b) with two coats of bitumen 10/20 grade @34 lbs/100 sft and ploythene sheet 500 gauge. (CSR-2016 Item No.5.3.1-b)	Sft	800	66	Rupees Sixty six only	52800

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
5	P113647	Providing, laying and jointing first class pacca brick work in ground floor for 9" (225 mm) to 13-1/2" (337 mm) thick walls including scaffolding, raking of joints and curing as per drawings and specifications complete in all respects in:- (CSR-2016 Item No. 6.1.3-b)		9094	209	Rupees Two hundred nine only	1900646
6	P113647	Providing, laying and jointing first class pacca brick work in ground floor for 4-1/2" thick walls Including scaffolding, raking of joints and curing as per drawings and specifications complete in all respects in:- (CSR-2016 Item No. 6.5.1)	Pcft	244	224	Rupees Two hundred twenty four only	54656
7	P113647	Providing ,laying and jointing first class pacca brick work other than in buildings above foundations and plingth upto 10 ft (3 m) height including scaffolding, raking of joints and curing as per drawings and specifications, complete in all respects, in:- (CSR-2016 Item No. 6.4.1-b)	Pcft	3265	199	Rupees One hundred ninety nine only	649735

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
8	P113647	Providing and laying floor of imported porecelain glazed tiles of approved quality and shade / design, jointed in white cement with matching pigment and laid over 3/4" thick 1:2 cement sand mortar complete in all respects(ii) Tile size 24"x 24" (CSR-2016 Item No. 9.5.4-ii)	Psft	4291	264	Rupees Two hundred sixty four only	1132824
9	P113647	Providing and laying dado/skirting of local porecelain glazed tiles of approved quality and shade / design, jointed in white cement with matching pigment and laid over 3/4" thick 1:2 cement sand mortar complete in all respects (CSR-2016 Item No. 9.5.8)	Psft	5200	190	Rupees One hundred ninety only	988000
10	P113647	Cement sand plaster 1:3 upto 20 ft (6 m) height:-(b) 1/2" Thick (CSR-2016 Item No. 10.3.2-b)	Psft	30500	23.9	Rupees Twenty three and Ninety paise only	728950

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
11	P113647	Providing and fixing 1-1/2" thick sft 242 771 hollow flush doors & windows with commercial ply (3 ply) on both faces of deodar wood shutter frame 1-1/4" thick and deodar wood braces at about 4" apart and deodar wood lipping 1-1/2"x 3/8" fixed to deodar wood dolly frame of full width of jamb for 9" to 13-1/2" walls made of 2"x 1- 1/2" vertical battens and cross pieces at 6" c/c including commercial ply and deodar wood fillets, etc. complete in all respects. The rate also includes chromium plated fittings but excludes sliding bolts and lock (CSR-2016 Item No. 11.5.3)	Psft	354	771	Rupees Seven hundred seventy one only	272934

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
12	P113647	Providing and fixing MS sheet 16 gauge chowkat, molded in the shape of wooden chowkat including application of bitumen compound inside the chowkat and filling it with CC 1:3:6 including cost of hold fast 2 Nos. round iron at bottom of chowkat complete in all respects as per instruction of Engineer Incharge (b) Size 2" x 10" (CSR-2016 Item No. 11.6.2-b)	Psft	354	128	Rupees One hundred twenty eight only	45312
13	P113647	Providing and fixing first class deodar wood wrought joinery work in wire gauze doors and windows with 22 SWG G.I. wire gauze, 12x12 meshes per square inch including iron fittings, wooden strips etc. complete in all respects.(b) Deodar wood framing 1-1/2" thick, with wire gauze fixed in position;(ii) With springs or spring hinges. (CSR-2016 Item No. 11.4.1-b)	Psft	354	556	Rupees Five hundred fifty six only	196824
14	P113647	Supplying and filling sand under floor (CSR-2016 Item No. 9.10.2)	PCft	11092.5	20.1	Rupees Twenty and Ten paisa only	222959.25

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
15	P113647	Preparing surface and painting of doors and windows, of type other than those under item 12.3.2 (including edges);(a) Priming coat (CSR-2016 Item No. 12.3.3-a)	Psft	1062	13.3	Rupees Thirteen and Thirty Paise only	14124.6
16	P113647	Preparing surface and painting of doors and windows, of type other than those under item 12.3.2 including edges); (b) Each subsequent coat of paint. (CSR-2016 Item No. 12.3.3-b)	Psft	1416	8.99	Rupees Eight and ninety nine Paise only	12729.84
17	P113647	Providing and fixing, sliding bolt to doors, complete in all respects (b) Iron sliding bolt, 12" (300 mm) long 11.10.7-b)	Each	10	296	Rupees Two hundred ninety six only	2960

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
18	P113647	Providing & fixing aluminum windows sliding, consisting of chowkat of special type 'U' section 4"x1" and leaf with vertical styles 2"x1", 1-1/4" x 1" bottom rail 2-1/2"x1" and top rail 1-1/4"x1" including latch, screws, sliding wheels, 5 mm. glass sheet fixed with special rubber channel etc. complete in all respects as approved by the Engineer Incharge (CSR-2016 Item No. 13.9.2)	Pst	172	471	Rupees Four hundred seventy one only	81012
19	P113647	Providing and fixing aluminum wire gauze shutter to windows consisting of special type section 1-5/8"x1/2" with Aluminum wire gauze of 16x16 mesh per square inch fixed with special rubber channel including cost of wheels, screws, etc. complete as approved by the Engineer Incharge (CSR-2016 Item No. 13.9.3)	Psft	86	151	Rupees One hundred fifty one only	12986
20	P113647	Priming coat of chalk under distemper. (CSR-2016 Item No. 10.6.1)	Psft	10760	2.19	Rupees Two and nineteen paisa only	23564.4

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
21	P113647	Distempering:- (a) New surface: (iii) Three coat (CSR-2016 Item No. 10.6.2)	Psft	10760	13.46	Rupees Thirteen and forty six paisa only	144829.6
22	P113647	Preparing surface and painting exteriors of buidings with weather shield paint:- (a) Priming coat (CSR-2016 Item No. 12.4.2-a)	Psft	8731	9.35	Rupees Nine and Thirty five Paisa only	81634.85
23	P113647	Preparing surface and painting exteriors of buidings with weather shield paint:- (b) Second and each subsequent coat (CSR-2016 Item No. 12.4.2-b)	Psft	8731	7.15	Rupees Seven and Fifteen paisa only	62426.65
24	P113647	Preparing surface and painting guard bars, gates of iron bars, gratings, railing, boiler tube, tie bar and wooden fencing (including standards, braces, etc.) and in similar open work; (a) Priming coat (CSR-2016 Item No. 12.3.4-a)	Psft	200	8.05	Rupees Eight and Zero five paisa only	1610

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
25	P113647	Preparing surface and painting guard bars, gates of iron bars, gratings, railing, boiler tube, tie bar and wooden fencing (including standards, braces, etc.) and in similar open work;(b) Each subsequent coat of paint (CSR-2016 Item No. 12.3.4-b)	Psft	300	5.35	Rupees Five and thirty five paisa only	1605
26	P113647	Providing and fixing steel grated doors with 1/16" thick sheeting, including angle iron frame 2" x 2" x3/8" and 3/4" square bars 4" centre to centre, with locking arrangement (CSR-2016 Item No. 13.5.2)	Psft	100	997	Rupees Nine hundred ninety seven only	99700
27	P113647	Providing and fixing false ceiling of Plaster of paris as per approved shade and design fixed/ laid on aluminum T-section size 1" x 1" x 1" x 1/8" hanged with aluminum string 1/16" dia fixed to rawl plug complete in all respect (CSR-2016 Item No. 11.12.3)	Psft	3516	159	Rupees One hundred fifty nine only	559044

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
28	P113647	Providing & laying reinforced cement concrete (including prestressed concrete), using coarse sand and crushed stone of approved quality / source, including mixing, transporting, placing, compacting, finishing and curing etc. complete in all respect as per specification but excluding the cost of steel reinforcement, its fabrication and placing in position etc. (a) Reinforced cement concrete in roof slabs, beams, columns, lintels, girders & other structural members cast in-situ or prestressed members cast in-situ complete in all respect as per specifications, including the cost of form work, moulds and shuttering complete in all respects, on ground floor of the buliding and for structures upto 20 ft height (iii) Nominal mix 1:2:4 (CSR-2016 Item No. 5.7.1-a)	Pcft	4113	333	Rupees Three hundred thirty three only	1369629

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
29	P113647	Fabrication of high tensile steel reinforcement conforming to ASTM A-416 for prestressed (pre-tensioned) concrete work, including inserting wire in moulds, providing M.S. shear bars, spacers and lift hooks, male and female anchorage, tie down, struts, stressing cables, maintaining stress record and supply the same in approved proforma to the Engineer-incharge, cutting wires and projecting ends and making good recesses.etc. complete in all respects in accordance with the specifications. (CSR-2016 Item No. 5.6.3)	Pkg	14395.5	118	Rupees One hundred eighteen only	1698669
30	P113647	Providing and laying roof in ground floor with precast prestressed concrete girders & slabs obtained from approved manufacturers (Izhar or equivalent) including cement sand plaster 1/2" thick (1:3) on top and cement pointing (1:2) flush underneath, as per drawing & specification, complete in all respects and including all other charges (CSR-2016 Item No. 8.2.1)	Psft	80	140	Rupees One hundred forty only	11200

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
31	P113647	Providing and laying roof insulation, comprising of single layer of tiles 9"x4-1/2"x1-1/2" grouted with cement sand mortar 1:3 laid over 2" thick earth (including 1" mud plaster) over thermopore sheet 1" thick , over polythene sheet 300 gauge over a layer of bitumen coating at 34 lbs/100sft, as per specification and complete in all respects (CSR-2016 Item No. 8.1.6)	Psft	5000	103	Rupees One hundred three only	515000
32	P113647	Supplying and laying polythene sheet over DPC under floors and on roofs(a) 300 gauge (.003" thick) (CSR-2016 Item No. 5.3.3)	Psft	5000	4	Rupees Four only	20000
33	P113647	Supplying and fixing in position 22 gauge G.I sheet gutter semi-circular 8" (200 mm) dia as per specification, complete in all respects. (CSR-2016 Item No. 8.7.8)	Each	32	180	Rupees One hundred eighty only	5760

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
34	P113647	Khuras on roof 2' x 2' x 1 1/2" of cement concrete (1:2:4) laid over 3" thick 1:4:8 concrete as per specifications, complete in all respects (CSR-2016 Item No. 8.7.2)	Each	8	641	Rupees Six hundred forty one only	5128
35	P113647	Bottom Khurras on ground in size brick masonry in cement mortar 1:6, of size 4' x 2' x 4-1/2" laid over 3" cement concrete 1:4:8 as per specifications complete. (CSR-2016 Item No. 8.7.3)	Each	8	1049	Rupees One thousand forty nine only	8392
36	P113647	Providing and fixing white / coloured glazed earthenware water closet squatter type combined with foot rest, 19" measured between flushing rims complete in all respects. (b) Coloured (CSR-2016 Item No. 20.1.3-b)	Each	4	2238	Rupees Two thousand two hundred thirty eight only	8952

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
37	P113647	Providing and fixing glazed earthenware water closet european type, of approved make/size, excluding seat & cover complete in all respects:-(b) Coloured (CSR-2016 Item No. 20.1.1-b)	Each	2	6872	Rupees Six thousand eight hundred seventy two only	13744
38	P113647	Providing and fixing glazed earthenware low down flushing cistern 3 gallons (13.63 litres) capacity, including bracket set, copper connection, etc. complete in all respects. (b) coloured (CSR-2016 Item No. 20.1.6-b)	Each	4	3030	Rupees Three thousand thirty only	12120
39	P113647	Providing and fixing chromium plated soap dish complete (CSR-2016 Item No. 20.1.9)	Each	8	425	Rupees Four hundred twenty five only	3400

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
40	P113647	Providing and fixing looking glass 5 mm thick, neatly fitted on masonry walls etc., as per instructions of Engineer In-charge complete.(a) Looking glass (Class A) with deodar wood frame (CSR-2016 Item No. 20.1.13-a)	Psft	100	207	Rupees Two hundred seven only	20700
41	P113647	Supplying and fixing Muslim shower with flexible pipe 3 ft (1m) long complete.(b) Chromium Plated (CSR-2016 Item No. 20.1.18-b)	Each	8	1881	Rupees One hundred eighty one only	15048
42	P113647	Providing and fixing, chromium plated stop cock, heavy of approved quality.(a) 3/4" (20mm) (CSR-2016 Item No. 20.3.1-a)	Each	8	1360	Rupees One thousand three hundred sixty only	10880
43	P113647	Providing & fixing, chromium plated bib cock of approved quality (a) 3/4" (20mm) dia (CSR-2016 Item No. 20.3.4-a)	Each	8	1085	Rupees One thousand eighty five only	8680

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
44	P113647	Providing & fixing chromium plated mixing valve (large size), for wash hand basin, sink or shower of approved quality. (CSR-2016 Item No. 20.3.6)	Each	8	875	Rupees Eight hundred seventy five only	7000
45	P113647	Providing and fixing, floor trap of cast iron, of approved quality including concrete chamber all round, and C.I. grating (b) 4" x 3" (100 mm x 75 mm) (CSR-2016 Item No. 20.3.10-b)	Each	16	615	Rupees Six hundred fifteen only	9840
46	P113647	Providing and fixing, 'P' trap, of approved quality including concrete chamber with G.I. grating:- (b) 4" (100 mm) glazed (CSR-2016 Item No. 20.3.11-b)	Each	8	1874	Rupees One thousand eight hundred seventy four only	14992
47	P113647	Providing and fixing, uPVC Pipes for Soil, Waste & Vent System (DADEX or equivalent) including cost of all specials complete in all respects (d) 110 mm (4-1/2") i/d (CSR-2016 Item No. 20.4.4-d)	Ft	190	599	Rupees Five hundred ninety nine only	113810

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
48	P113647	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured by Dadex/Beta or equivalent) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications.(iv) 6" (150 mm) i/d (CSR-2016 Item No. 19.4.1-iv)	Ft	220	379	Rupees Three hundred seventy nine only	83380
49	P113647	Providing, laying cutting, jointing, testing PPRC pipeline in walls/ trenches with pipes (confirming to DIN 8077/8078, PN 20 manufactured by Dadex/Beta or equivalent & fittings conforming to DIN 16962, PN25 of the same manufacturer) for cold/hot water supply systems including specials complete in all respect as per specifications.(i) 3/4" (20 mm) external dia, 32 mm internal dia (CSR-2016 Item No. 19.5.1-i)	Ft	400	111	Rupees One hundred eleven only	44400

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
50	P113647	Providing, laying cutting, jointing, testing PPRC pipeline in walls/trenches with pipes (confirming to DIN 8077/8078, PN 20 manufactured by Dadex/Beta or equivalent & fittings conforming to DIN 16962,PN25 of the same manufacturer) for cold/hot water supply systems including specials complete in all respect as per specifications. (ii) 1" (25 mm) external dia (CSR-2016 Item No. 19.5.1-ii)	Ft	400	149	Rupees One hundred forty nine only	59600
51	P113647	Supplying and installation of vertical water storage tanks (polyethylene) blue (Dura or equivalent), complete in all respect, as per instructions of Engineer Incharge (d) Size 500 gln capacity(CSR-2016 Item No. 19.8.1-d)	Each	6	27864	Rupees Twenty seven thousand eight hundred sixty four only	167184

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
52	P113647	Providing and fixing in position ward robe box type 2 ft deep made of lamination sheet including lamination board door shutters piano hinges, haweels handles, catchers, locks all labour and material complete. (CSR-2016 Item No. 11.7.3)	Psft	300	787	Rupees Seven hundred eighty seven only	236100
53	P113647	Providing and fixing, sliding bolt to doors, complete in all respects(b) Iron sliding bolt, 12" (300 mm) long (CSR-2016 Item No. 11.10.7)	Each	12	296	Rupees Two hundred ninety six only	3552
54	P113647	Providing and fixing paver tiles (7000 psi) unglazed of different colours manufactured by Izhar/ Envircrete, or equivalent, over 2" thick sand base, as per specifications and details given in the drawing, including providing,levelling and compacting sand and preparation of the surface prior to laying of pavers / interlocking tiles (b) 60 mm thick interlocking pavers (i) Grey/natural colour (CSR-2016 Item No. 9.9.1-b-i)	Psft	4136	67.5	Rupees Sixty seven and fifty paise only	279180

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
55	P113647	Providing and laying road edging of 6" wide and 18" deep precast concrete kerb stone (1:2:4) of approved quality complete in all respect (CSR-2016 Item No. 17.5.2)	Ft	600	146	Rupees One hundred forty six only	87600
56	P113647	Trench excavation in open cutting for sewers and manholes chambers to the designed section, lines, grade and profile according to drawings & specifications and disposal of excavated material within 100 ft. (30m) and dressing in specified manner including shuttering, timbering and removing surface water, in all types of soil, except shingle, gravel and rock:- (a) 0 ft to 5.0 ft (0 to 1.52 m) depth. (CSR-2016 Item No. 4.3.6-a)	%cft	1625	648	Rupees Six hundred forty eight only	10530
57	P113647	Back filling of excavated earth in trenches in all types of soil including dressing, levelling, compaction, etc. and lead upto one chain. (CSR-2016 Item No. 4.3.8)	% cft	275	460	Rupees Four hundred sixty only	1265

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
58	P113647	Providing cement concrete plain using coarse sand and screened graded & washed aggregate of approved quality including placing compacting, finishing, curing, complete as per specifications without shuttering on ground floor of buliding and for structrues up to 20ft height (a) Nominal mix 1:2:4 (CSR-2016 Item No. 5.4.1-a)	Pcft	157	208	Rupees Two hundred eight only	32656
59	P113647	Supplying, laying, cutting and jointing in position low pressure sui gas pipe line for internal fittings (G.I. Pipe, class medium of IIL) complete in all respect as per specification(a) 1/2" (12.5 mm) dia (CSR-2016 Item No. 22.2.1-a)	Ft	200	65.9	Rupees Sixty five and ninety paise only	13180
60	P113647	Supplying, laying, cutting, jointing and welding in position high pressure sui gas pipe line (class medium of IIL or equivalent) wrapped with fiber sheet & coated with approved bitumen compound complete in all respect as per specification a) 1" (25 mm) dia Pipe (M.S. Pipe 8 SWG). (CSR-2016 Item No. 22.21.1-a)	Ft	300	99	Rupees Ninety nine only	29700

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
61	P113647	Providing and fixing in position Sui gas water heater best quality manufacturer with fittings including thermostat, safty valve etc.:(c) 55 Gallon capacity. (CSR-2016 Item No. 22.1.1-c)	Each	4	33968	Rupees Thirty three thousand nine hundred sixty eight only	135872
62	P113647	Supplying and fixing in position approved quality Sui Gas cooking range (a) Three Burners. (CSR-2016 Item No. 22.3.6-a)	Each	2	17963	Rupees Seventeen thousand nine hundred sixty three only	35926
63	P113647	Supplying and fixing in position approved quality Sui Gas cooking range (b) Five Burners. (CSR-2016 Item No. 22.3.6-b)	Each	2	20163	Rupees Twenty thousand one hundred sixty three only	40326

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
64	P113647	Supplying and fixing in position approved quality ball valve (Kitz Japan):-(a) 1/2" dia. (CSR-2016 Item No. 22.4.1-a)	Each	6	836	Rupees Eight hundred thirty six only	5016
65	P113647	Supplying and fixing in position approved quality ball valve (Kitz Japan):-(c) 1" dia. (CSR-2016 Item No. 22.4.1-c)	Each	6	1221	Rupees One thousand two hundred twenty one only	7326
66	P113647	Providing and fixing stainless steel sink, including bracket set, waste pipe and waste coupling, etc. complete:-(b) with double drain board size 150 x 60 cm (60"x24") (CSR-2016 Item No. 20.2.2)	Each	2	15766	Rupees Fifteen thousand seven hundred sixty six only	31532

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
67	P113647	Providing & fixing chromium plated mixing valve (large size), for wash hand basin, sink or shower of approved quality. (CSR-2016 Item No. 20.3.6)	Each	3	875	Rupees Eight hundred seventy five only	2625
68	P113647	Providing and fixing kitchen wall cabinet made of lamination board including all labour and material C.P. Brass mongrey and fittings etc. complete (CSR-2016 Item No. 11.7.5)	SFt	120	764	Rupees Seven hundred sixty four only	91680
69	P113647	Providing and laying marble stone slab 1" thick in kitchen, staircase etc., laid in white cement mortar with matching color pigment over 3/4" thick base of cement sand mortar 1:2, including jointing, curing, rubbing and polishing complete in all respects (CSR-2016 Item No. 9.6.2)	Psft	200	337	Rupees Three hundred thirty seven only	67400

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
70	P113647	Providing, laying and fixing pacca Guttka bricks of first quality laid in 1:2 cement sand mortar supported with nails, including affolding, raking of joints and curing as per drawing and specifications complete in all respects. (CSR-2016 Item No. 6.6.1-a)	Pcft	8000	143	Rupees One hundred forty three only	1144000
71	P113647	Providing and laying roof in ground floor with precast prestressed concrete girders & slabs obtained from approved manufacturers (Izhar or equivalent) including cement sand plaster 1/2" thick (1:3) on top and cement pointing (1:2) flush underneath, as per drawing & specification, complete in all respects and including all other charges (CSR-2016 Item No. 8.2.1)	Psft	80	140	Rupees One hundred forty only	11200
72	P113647	Providing and laying cement concrete (1:2:4) on roof top to required slope including ramming, finishing, smoothing and curing etc. as per specification and complete in all respects. (CSR-2016 Item No. 8.1.1)	Pcft	1100	195	Rupees One hundred ninety five only	214500

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
73	P113647	Providing and fixing barbed wire fencing with 4 horizontal and 2 number cross wires fixed with posts of R.C.C. 1:2:4 straining posts 7' x 9"x 9" at 100 centre to centre stiffening posts 7'x6"x6" at 50 ft. interval and intermediate post 7' x 5" x 5" at 8 ft. centre to centre, including cost of steel, its fabrication and placing of steel reinforcement, eye bolts, washers, etc. Also including base concrete (1:2:4) with shuttering and excavation as per P.R. Type No. F-64 complete. (CSR-2016 Item No. 13.10.3)	Ft	376	126	Rupees One hundred twenty six only	47376

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
74	P113647	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1-1/2:3, with spigot, socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part-I, 1981 Class "L" including carriage, lowering in trenches to correct alignment and grade, jointing, cutting pipe where necessary, finishing and testing, etc. complete:-(c) 9" (225 mm) i/d (CSR-2016 Item No. 21.1.1-c)	Ft	200	276	Rupees Two hundred seventy six only	55200
75	P113647	Supplying and installation of Goldmatic water pumps complete in all respect, as per instructions of Engineer Incharge (c) Model G3, 2 H.P motor. 27 m suction & 35 m head (non automatic) (d) Model G4, 2.5 H.P motor. 38 m suction & 38 m head (non automatic) (CSR-2016 Item No. 19.7.1-d)	Each	2	19580	Rupees Nineteen thousand five hundred eighty only	39160

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
76	P113647	Providing and fixing bath room accessories set consisting of looking glass, shelf, towel rail, towel ring, toilet paper holder, soap dish and brush holder complete in all respects and as per instructions of Engineer Incharge. (c) Chrome Gold (CSR-2016 Item No. 20.1.24-c)	Each	14	17412	Rupees Seventeen thousand four hundred twelve only	243768
77	P113647	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of B.S.S. Class 'B working pressure ' (medium quality IIL or equivalent) including specials and valves etc. complete as per specifications (CSR-2016 Item No. 19.3.1-f)	Ft	300	241	Rupees Two hundred forty one only	72300
78	P113647	Supply & erection of rain water down pipe UPVC including heads & shoes complete in all respect as per instructions of Engineer including cost of clamp holdfast, complete in all respects. (b) 100 mm (4") dia pipe. (CSR-2016 Item No. 8.7.11-b)	ft	200	496	Rupees Four hundred Ninety six only	99200

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
79	P113647	Providing and laying 1/2" thick marble stone tiles dado or skirting in white cement with matching color pigment, laid on 1/2" thick base of cement sand mortar 1:2, including jointing, curing, rubbing and hemical polishing complete in all respects (b) Ziarat White (CSR-2016 Item No. 9.6.5-b)	Psft	200	135	Rupees One hundred thirty five only	27000
80	P113647	Providing and fixing handle lock of approved make/quality (CSR-2016 Item No. 11.2.4)	Each	10	1229	Rupees One thousand two hundred twenty nine only	12290
81	P113647	Providing & fixing Khaprail tiles on roofs, laid in cement sand mortar 1:3, including jointing, curing, etc. complete in all respects as per drawings and as per instructions of Engineer Incharge. (CSR-2016 Item No. 8.1.10-a)	Psft	4000	94.6	Rupees Ninety four and sixty paise only	378400

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
82	P113647	Providing and fixing M.S. flat 1/2" x 1/8" or M.S. Square 1/4" x 1/4" grill in windows, of approved design, including painting 3 coats, complete in all respects (CSR-2016 Item No. 13.7.1)	Psft	172	320	Rupees Three hundred twenty only	55040
83	P113647	Providing and fixing "6 thick R.C.C. manhole cover with 3" x 3" x 1/4" angle iron frame 22" i/d as per H.Q.E. Sketch No.3297 complete in all respects. (CSR-2016 Item No. 21.5.1)	Each	12	1500	Rupees One thousand five hundred only	18000
84	P113647	Providing & fixing, gun metal gate valve (screwed) of approved quality.(a) 1-1/4" (30 mm) dia. (CSR-2016 Item No. 20.3.7-a)	Each	3	501	Rupees Five hundred one only	1503
85	P113647	Supplying and fixing in position approved quality fittings of Sui Gas appliances (b) Black pipe for double burner (CSR-2016 Item No. 22.3.8-b)	Ft	50	78	Rupees Seventy eight only	3900
86	P113647	Add 175% above on CSR-2016 Item (Civil Portion)					30187276.4725

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
87	P113647	Wall Panelling (Through Rate)	Psft	3775	250	Rupees Two hundred fifty only	943750
88	P113647	Double Bib cock (Through Rate)	Each	12	3000	Rupees Three thousand only	36000
89	P113647	Providing & fixing Bath shower set (Through Rate)	Each	6	40000	Rupees Forty Thousand only	240000
90	P113647	Providing & Fixing Vanity (Through Rate)	Each	8	28050	Rupees Twenty eight thousand and fifty only	224400
91	P113647	Window Blind (Through Rate)	Psft	195	220	Rupees Two hundred twenty only	42900

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
92	P113647	Wooden Partitation with Lamination sheet (Through Rate)	Psft	1638	900	Rupees Nine hundred only	1474200
93	P113647	Providing and fixing UPV Door as per requirement of site engineer (Through Rate)	Psft	630	3500	Rupees Three thousand five hundred only	2205000
94	P113647	Earth Work (Through Rate)	PCft	50000	30	Rupees Thirty only	1500000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
95	P113647	1500 GPD Ultra filtration Plant i. Vessel 13x54 FPR 2Nos ii. Multi Port Valve 1" 2 Nos iii. Sand 2Nos iv. Gravel 2Nos v. Activated Carbon (Sirilanka) 2 Nos vi. Jumbo Housing 20" (Taiwan) 2Nos viii. Uf Mambrane 4 x 40 2 Nos ix. Ultra Violet 36" Box (Single 2 Nos Taiwan) 1 No x. Skid Plant Heavy Duty Ms 1 No xi. Feed Pumpe 1Hp 1No xii. Automatic Switch 1 No xiii Complete Upvc Fitting SCH - 40 (steelex) 1 No xiv. Storage Tank (1500 Ltr) 1No	Each	1	1000000	Rupees One million only	1000000
96	P113647	Single Bed along with Mattress and Pillow complete (T.R)	Each	24	80000	Rupees Eighty thousand only	1920000
97	P113647	Quilt/blanket alongwith bed sheet (T.R)	Each	24	12000	Rupees Twelve thousand only	288000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
98	P113647	Dining table with 12 Nos of Chairs (T.R)	Each	2	300000	Rupees Three hundred thousand only	600000
99	P113647	Dinner set, Water set, and Tea set (T.R)	Each	3	80000	Rupees Eighty thousand only	240000
100	P113647	Sofa set 07 seater with center table (T.R)	Each	3	350000	Rupees Three hundred fifty thousand only	1050000
						GRAND TOTAL:	Rs59,201,398.74

Job: Electrical Work - Construction of Driver Running Room at Kotri

Specifications / Requirements:

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
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1	P113647	Supply & erection of PVC pipes (Size: 3/4") including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface. Complete with all accessories for recessed wiring in walls. According to CSR Item No. 1.3.1.[b(ii)]. Brands: Pakistan Railway Approved Brand.	Meter	1800	70.96	Rupees Seventy and Ninety-Six Paisas Only	127728
2	P113647	Supply & erection of single core PVC Copper conductor cable 3/0.029" size, 600/1100 volts in prelaid PVC Pipes, M.S Conduits, GI Pipe/in trenches. According to CSR Item No. 2.1.1(a). Brands: Pakistan Railway Approved Brand.	Meter	3600	32.98	Rupees Thirty-Two and Ninety-Eight Paisas Only	118728
3	P113647	Supply & erection of single core PVC Copper conductor cable 7/0.029" size, 600/1100 volts in prelaid PVC Pipes, M.S Conduits, GI Pipe/in trenches. According to CSR Item No. 2.1.1(c). Brands: Pakistan Railway Approved Brand.	Meter	1260	52.83	Rupees Fifty-Two and Eighty-Three Paisas Only	66565.8

4	P113647	PVC Copper cable 7/.044" size, (Single Core, 450/750V) flame retardant, for heavy-duty electrical connections, conforming to BS-6004. make Fast cable, Pakistan cable or equivalentt. According to CSR Item No. 2.1.1(e)	Meter	1080	93.9	Rupees Ninety- Three and Ninety Paisas Only	101412
5	P113647	Supply of LED based Lamp/bulb 30 watt. According to CSR Item No. 5.3.1(d). Brands: Pakistan Railway Approved Brand. Warranty: 01-year replacement warranty	Each	40	600	Rupees Six Hundred Only	24000
6	P113647	Supply and erection of LED road/flood light, 100 Watts, 220-240 VAC, 50 Hz, fittings complete with drivers including SPD, with fixing mechanism, with built-in surge protection, IP-66 rating. According to CSR Item No. 6.1.1(b). Warranty: Minimum 01 year.	Each	25	6000	Rupees Six Thousand Only	150000
7	P113647	Supply and erection of 3-Pin switch & plug combined (Power Plug) 30 Amps, recessed type with porcelain base including its frame for recessed fitting. According to CSR Item No. 5.1.8(c).	Each	34	285	Rupees Two Hundred and Eighty- Five Only	9690

8	P113647	Supply and erection of Lamp Holder (Pin or Screw Type). According to CSR Item No. 5.1.9(a).	Each	40	65	Rupees Sixty-Five Only	2600
9	P113647	Supply and installation of Chinese fittings (Clipsal or equivalent) light control switch, Three Gang Switch with One Socket, 10 Amps, 250 Volts one way, including its frame, testing and commissioning complete in all respects. According to CSR Item No. 12.4.1(d). Brands: Pakistan Railway Approved Brand.	Each	52	672	Rupees Six Hundred and Seventy-Two Only	34944
10	P113647	Supply and erection of AC Ceiling Fan 56" Sweep, Waterproof, Copper Winding - Double ball bearing, 220-240V 50HZ. According to CSR Item No. 7.1.1(b). Brands: Pakistan Railway Approved Brand. Warranty: 02-year Motor and Winding warranty.	Each	18	5500	Rupees Five Thousand Five Hundred Only	99000
11	P113647	AC bracket fan (plastic body) 18" sweep complete in all respect make Royal, GFC, Younis, Pak fan or equivalent according to CSR item No. 7.1.2(b).	Each	30	4200	Rupees Four Thousand Two Hundred Only	126000

12	P113647	Supply and erection of AC exhaust fan 12"sweep, 220-240V, 50Hz, metallic body with louver complete in all respect. According to CSR Item No. 7.1.3(a). Brands: Pakistan Railway Approved Brand. Warranty: 02-year Motor and Winding warranty.	Each	10	2850	Rupees Two Thousand Eight Hundred and Fifty Only	28500
13	P113647	Supply and erection of AC exhaust fan 18"sweep, 220-240V, 50Hz, metallic body with louver complete in all respect. According to CSR Item No. 7.1.3(c). Brands: Pakistan Railway Approved Brand. Warranty: 02-year Motor and Winding warranty.	Each	2	4250	Rupees Four Thousand Two Hundred and Fifty Only	8500
14	P113647	Supply and erection of Inverter Split Air Conditioner 1.5-Ton - Cooling capacity 18000 BTU/h, 220-240V, R407/R22 refrigerant, make Gree, Kenwood or equivalentt. Unit shall be supplied with all necessary installation accessories. According to CSR Item No. 12.6.2. Brands: Pakistan Railway Approved Brand. Warranty: Compressor - 03 years; electronic parts and PCB - 02 years.	Each	10	98040	Rupees Ninety-Eight Thousand and Forty Only	980400

15	P113647	Supply and erection of galvanized iron earth pipe size 10'x2" (Medium) for earthing connection with hard drawn bare copper conductor 8 SWG and earth pit size 12"x12"x8" containing mixture of salt and charcoal. Earth resistance ≤ 1 ohms, as per PR standards. According to CSR Item No. 8.5.1.	Each	2	5000	Rupees Five Thousand Only	10000
16	P113647	Add 140% Above of CSR Items 2021-22 (Electrical)				Rupees Twenty-Six Lacs Forty-Three Thousand Two Hundred and Ninety-Four and Ninety-Two Paisas Only	2643294.92

17	P113647	Three-phase, four-core 95 mm ² Aerial Bundled Cable (ABC) for mains supply, comprising 3 phase conductors and 1 neutral conductor, XLPE insulated, suitable for 0.6/1 kV system voltage, with UV/weather-resistant insulation and suitable for outdoor overhead installation	Meter	430	2640	Rupees Two Thousand Six Hundred and Forty Only	1135200
18	P113647	LED Wall mount/Ceiling Tube Light, 4 ft, 40 Watts, 220-240V AC, complete with all necessary hardware for installation, testing, and commissioning.	Each	60	1800	Rupees One Thousand Eight Hundred Only	108000
19	P113647	Supply and Installation of LED Down Light 30W, Recessed Type - 220-240V, 50Hz, round/square shape, for false ceilings. Warranty: 01-year replacement warranty	Each	40	1550	Rupees One Thousand Five Hundred and Fifty Only	62000

20	P113647	LED Down Light 18W, Recessed Type - 220-240V, 50Hz, round/square shape, for false ceilings. Warranty: 01-year replacement warranty	Each	110	1350	Rupees One Thousand Three Hundred and Fifty Only	148500
21	P113647	Modern Gold Rectangular LED Chandelier - Crystal Bubble Pendant Light for Dinning Room, integrated LED, 220-240V, 50Hz, complete with driver, suspension kit and mounting accessories. Make: Philips/Opal or equivalentt.	Each	1	104500	Rupees One Lac Four Thousand Five Hundred Only	104500
22	P113647	5-Light Wood Farmhouse Drum Chandelier for Sitting Room, 220-240V AC, 50Hz, complete with lamp holders, ceiling canopy, suspension kit, wiring and mounting accessories. Make: Oaks Aura/Philips/Opal or equivalentt.	Each	1	45400	Rupees Forty-Five Thousand Four Hundred Only	45400
23	P113647	Modern Wall Mounted LED wall lamp, 220-240V, 50Hz, minimum 10W, complete with LED driver and mounting accessories. Make: Philips/Opal or equivalentt.	Each	30	2000	Rupees Two Thousand Only	60000

24	P113647	Modern Exterior Wall Light, weather-resistant finish, 220-240V, 50Hz, minimum 12W, IP65, complete with driver and mounting accessories. Make: Philips/Opal or equivalentt.	Each	30	2250	Rupees Two Thousand Two Hundred and Fifty Only	67500
25	P113647	Double sided outdoor Wall Lights 2 x 5w with up/down illumination, 220-240V, 50Hz, IP65, complete with driver and mounting accessories. Make: Philips/Opal or equivalentt	Each	40	2500	Rupees Two Thousand Five Hundred Only	100000
26	P113647	Pillar/Gate Lamp with corrosion-resistant body, 220-240V, 50Hz, minimum 10W, complete with driver and mounting accessories. Make: Philips/Opal or equivalentt	Each	2	5500	Rupees Five Thousand Five Hundred Only	11000
27	P113647	Modern LED Mirror Light 220-240V, 50Hz, complete with driver and mounting accessories. Make: Philips/Opal or equivalentt.	Each	2	9500	Rupees Nine Thousand Five Hundred Only	19000

28	P113647	Supply Installation, Testing and Commissioning of Switch Board Frame 3"x6" (China Fitting Type Switch Boards) - make GoodTop, Opal, Aqua or equivalentt.	Each	92	140	Rupees One Hundred and Forty Only	12880
29	P113647	Supply Installation, Testing and Commissioning of Chinese fittings (Clipsal or equivalentt) light control switch, Eight Gang Switch with Two Socket, 10 Amps, 250 Volts. Brands: Pakistan Railway Approved Brand.	Each	42	1500	Rupees One Thousand Five Hundred Only	63000
30	P113647	Supply Installation, Testing and Commissioning of Chinese fittings (Clipsal or equivalentt) Double side Universal Board 10 Amps, 250 Volts. Brands: Pakistan Railway Approved Brand.	Each	50	1300	Rupees One Thousand Three Hundred Only	65000

31	P113647	Microwave Oven (25 Liters Capacity): High-capacity 25 Liters microwave oven suitable for continuous operation. The unit shall be equipped with digital touch control panel, LED display, multi-stage cooking options, defrost function, child safety lock, timer, and auto shut-off feature. Operating voltage: 220-240V AC, 50 Hz. Make: Homage, PEL, Canon, Dawlance, Haier, or equivalent. Warranty: Minimum one (01) year.	Each	2	50000	Rupees Fifty Thousand Only	100000
32	P113647	A double-door deep freezer: Capacity 18 Cubic feet. suitable for continuous use. power supply:220-240V, 50Hz . Brand Haier, Dawlance, PEL, Kenwood, or an equivalent. Efficient and uniform cooling with a reliable, low-noise, energy-efficient compressor. Corrosion-resistant material of body with high-density insulation and durable door hinges to ensure proper sealing. The interior shall be made of food-grade material. It should be supplied all necessary installation accessories, and a 10-kW automatic voltage stabilizer with steel frame/angle iron stand. Warranty: Compressor - 03 years; electronic parts and PCB - 02 years.	Each	1	170000	Rupees One Lac Seventy Thousand Only	170000

33	P113647	Modern Smart Inverter Refrigerator, Size/Cap: 16 Cubic Feet. Brand. PEL, Haier, Kenwood or equivalentt Modern Smart Inverter Refrigerator, 16 Cubic Feet minimum capacity, with energy-efficient inverter compressor, digital temperature control, LED lighting. 220-240 V AC, 50 Hz. Brand: PEL, Haier, Kenwood or equivalentt with standard warranty.	Each	1	125500	Rupees One Lac Twenty-Five Thousand Five Hundred Only	125500
34	P113647	Three Tap Water Cooler – 100 Litre Capacity, Heavy-duty stainless-steel body, suitable for continuous public use. The unit shall include floor stand and all necessary fittings and accessories for complete installation and operation. Warranty: Compressor – 03 years; internal tank and valves – 01 year; electrical components – 01 year. Brand: Canon or equivalentt	Each	2	265000	Rupees Two Lacs Sixty-Five Thousand Only	530000

35	P113647	MOTOR-PUMP SET- Single Phase 2-HP 220-240 VAC, 50 Hz, electric copper wound electric motor with pump size 1" x 1¼", capable of continuous duty operation. The assembly shall include motor, pump, base frame, coupling, and all necessary accessories complete in all respects with insulation class "F" and protection class IP-55. Warranty: Minimum one (01) year for motor winding.	Each	1	80000	Rupees Eighty Thousand Only	80000
36	P113647	Electric Geyser (100 Liters Capacity, 2000 Watts): High-quality electric water heater with 100 litres storage capacity, designed for reliable and energy-efficient operation. The geyser shall have a 2000-watt heating element, suitable for 220-240V AC, 50 Hz power supply. Make: Canon, Haier, Nasgas, Super Asia, or equivalentt (reputed brand). Warranty: Minimum one (01) year.	Each	2	70000	Rupees Seventy Thousand Only	140000
37	P113647	Automatic Hand Dryer, 1500-1800 Watts, touchless infrared/sensor operation, wall-mounted type, with automatic ON/OFF function, durable and corrosion-resistant body. Brand: Siemens or equivalentt.	Each	4	14500	Rupees Fourteen Thousand Five Hundred Only	58000

38	P113647	Three-Phase Four-Pole Manual Changeover Switch – 200 Amperes. Heavy-duty manual changeover switch rated 200 Amps, 415V AC, 50 Hz, suitable for three-phase four-wire distribution systems for transfer between main supply and standby supply. It shall be enclosed in a sheet steel, powder-coated housing with IP-54 protection, suitable for indoor or outdoor installation. Brands: Schneider Electric (France), ABB (Switzerland), Siemens (Germany), Hager (France), Terasaki (Japan), Millat (Pakistan), FICO (Pakistan), or equivalent approved make. Warranty: Minimum 12 months (1 year)]warranty from date of commissioning.	JOB	1	80000	Rupees Eighty Thousand Only	80000
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39	P113647	Supply Installation, Testing and Commissioning of Main Distribution Board (MDB) Fabricated from heavy gauge G.I / CRCA sheet steel, wall-mounted, powder-coated enclosure, dust and vermin proof (IP-54). such of size that it has 3 Horizontal rows and separate spot for main breaker , complete with locking glass door, internal wiring, and all necessary termination accessories. Electrical Arrangement: Incoming: • 01 No. MCCB 4-Pole 200A. Outgoing Feeders: • 04 Nos. MCCB (4-Pole) 60~63 A • 14 Nos. MCB (2-Pole) 32 A • 14 Nos. MCB (1-Pole) 10 A • 02 Nos. RCCB (2-Pole) 63 A / 30 mA • HRC fuses for control. (Qty: As per Circuit Requirement) Metering & Indication: • 01 No. Digital Multifunction Meter (V, A, kW, kWh, PF, Hz) with. • 01 Set Phase Indicator Lamps (R, Y, B). • 01 Set Selector Switches for Volt/Amp Meter Installation: Main Distribution Board shall include all necessary accessories including, connecting strips, metallic bars etc. in all respects with wiring, testing, and commissioning. Approved Makes: Schneider, ABB, Siemens, Terasaki, or equivalent for MCCBs / MCBs. Warranty: Electrical components (MCCB/MCB/RCCB/Changeover) - 01 year; enclosure and fabrication - 01 year.	JOB	1	350000	Rupees Three Lacs Fifty Thousand Only	350000
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						GRAND TOTAL:	Rs8,166,842.72
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Job: DESIGN, SUPPLY, INSTALLATION, COMMISSIONING & TESTING OF 35-KW HYBRID SOLAR SYSTEM AT DRIVER RUNNING ROOM KOTRI OVER PAKISTAN RAILWAYS KARACHI DIVISION

Specifications / Requirements:

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
1	P113647	Solar Panels Rating: 610W or above ,12 Year Product, 25 Year Performance Warranty, IEC 61215 Certified Brands: JA solar, CSI, Canadian Solar or Equivalent Tier 1.	Each	As per System Capacity requirement	1310000	Rupees Thirteen Lac Ten Thousand Only	1310000
2	P113647	Inverter Type: Three Phase HYBRID Inverter, IP-65 with built in DC and AC Surge Protection Devices, equipped with a built-in online monitoring system and Wi-Fi-enabling device (dongle). 10 years warranty. Manufacturing Brand: GoodWe, Huawei, Soils, Sungow or Equivalent Tier-1	Each	As per System Capacity requirement	1690000	Rupees Sixteen Lac Ninety Thousand Only	1690000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
3	P113647	DC Cables: 1C × 6 mm ² or above size Copper, XLPE/XLPO insulated, UV/weather resistant, double insulated, 1.5 kV DC, suitable for solar PV applications, complete with compatible MC4 connectors and accessories. (lengths & size may vary on site;) Brands Newage, Allied, Fast, Pakistan Cables or equivalent	Meter	As per site requirement	105000	Rupees One Lac Five Thousand Only	105000
4	P113647	AC Cables: 4C × 35 mm ² Copper, XLPE insulated, 0.6/1 kV grade. (Cable size and length may vary as required based on site conditions). Complete in all respects. Brand: Newage / Fast Cables / Pakistan Cables or Equivalent.	Meter	As per site requirement	135000	Rupees One Lac Thirty-Five Thousand Only	135000
5	P113647	Dust Proof Powder Coated Metallic Distribution Box, indoor/outdoor, appropriate housing space, as per site requirements complete in all respects, IP 54 or higher.	Nos	1	70000	Rupees Seventy Thousand Only	70000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
6	P113647	Panel Mounting Structure : Heavy-duty ground-mounted solar panel structure, approximately 12 ft high, fabricated from minimum 3.0 mm primary and 2.5 mm secondary structural steel, hot-dip galvanized, complete with mounting rails, brackets, fasteners, anchor bolts and RCC foundations, designed for applicable wind/environmental loads. Complete in all respects.	Job	1	510000	Rupees Five Lac Ten Thousand Only	510000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
7	P113647	Protective Devices Required i. Three Phase Four Pole 200-A MCCB for Mains Supply from Utility. ii. Three phase Three/Four Pole MCBs for input side and output side of the inverter separately. iii. Three Phase Over/Under Voltage and Phase Sequence Protection Device on inverter input side and load side separately. iv. DC Two Pole Circuit breakers and Fuses for DC input to inverter and also between Battery/Batteries and Inverter v. SPDTs, Isolators, Change Over Switch and Surge Arrestors Brand for Circuit Breakers: Schneider, Terasaki or Equivalent.	Job	1	250000	Rupees Two Lac Fifty Thousand Only	250000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
8	P113647	Complete earthing system including copper-bonded/GI earth electrodes, earth pits with inspection chambers, earth conductors, earth busbar, clamps, lugs and all accessories. All PV structures, inverter, Distribution Boxes, cable trays and metallic parts shall be properly bonded. Earth resistance shall not exceed 5 Ohms. Complete in all respects and compliant with applicable IEC standards.	Job	1	100000	Rupees One Lac Only	100000
9	P113647	Misc Items i.e PVC Pipe Flexible Cable Trays and Conduits Where Required Accessories and Misc. Items. 1. Cables Ducts 2. Cable Trays GI 3. Nut, bolts and etc. Complete in all respect to complete the project.	Job	1	50000	Rupees Fifty Thousand Only	50000
10	P113647	Installation and Transportation Charges as per site requirement to complete the project in all respect.	Job	1	230000	Rupees Two Lac Thirty Thousand Only	230000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
11	P113647	Net Metering - Application preparation, submission, processing at relevant DISCOs / NEPRA along with relevant Fee & Demand Notice for Electricity Meters - Application Handling, Processing - Protection Equipment -Disconnect Switches as per Electricity Inspector recommendation - Lightning Arrestor (s)	Job	1	350000	Rupees Three Lac Fifty Thousand Only	350000
12	P113647	Batteries: Lithium-ion Battery, Nominal voltage: 48 V. Rated capacity: 100-AH. This includes battery cables and allied accessories. Warranty: 05 Years. Brands: Narada, Solectra, Inverex, or equivalent reputed manufacturers.	Each	6	300000	Rupees Three Lac Only	1800000
						GRAND TOTAL:	Rs6,600,000.00

Job: Civil Work - Special Repair of Guard Running Room at Kotri

Specifications / Requirements:

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
1	P113647	Removing wooden doors and windows:-(a) Removing wooden door with chowkat CSR-2016 Item No.1.6.1 (a)	% sft	28	1337	Rupees One thousand three hundred thirty seven only	374.36
2	P113647	(b) Removing wooden window and sky lights with chowkat. CSR-2016 Item No.1.6.1 (b)	% sft	156	968	Rupees Nine hundred sixty eight only	1510.08
3	P113647	Removing cement sand plaster from walls. CSR-2016 Item No. 1.9.3	% sft	1602	194	Rupees One hundred ninety four only	3107.88
4	P113647	Removing Color wash / white wash CSR-2016 Item No. 1.9.5	% Sft	3245	116	Rupees One hundred sixteen only	3764.2

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
5	P113647	Providing and laying cement concrete with stone ballast 1-1/2" (40 mm) to 2" (50 mm) gauge in foundation and plinth:- (b) Ratio 1:4:8 CSR-2016 Item No. 5.2.1 (b)	P.Cft	2610	151	Rupees One hundred fifty one only	394110
6	P113647	Providing and fixing RCC fencing on Platform complete in all respect as per HQE sketch no. H.Q.E Plan No.29537 (F-54) Type CSR-2016 Item No. 5.11.6	Ft	168	144	Rupees One hundred forty four only	24192
7	P113647	Cement sand plaster 1:3 upto 20 ft (6 m) height:- (b) 1/2" Thick CSR-2016 Item No. 10.3.2 (b)	Psft	1602	23.9	Rupees Twenty three and paisa ninety only	38287.8

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
8	P113647	Providing and fixing 1-1/2" thick sft 242 771 hollow flush doors & windows with commercial ply (3 ply) on both faces of deodar wood shutter frame 1-1/4" thick and deodar wood braces at about 4" apart and deodar wood lipping 1-1/2"x 3/8" fixed to deodar wood dolly frame of full width of jamb for 9" to 13-1/2" walls made of 2"x 1-1/2" vertical battens and cross pieces at 6" c/c including commercial ply and deodar wood fillets, etc. complete in all respects. The rate also includes chromium plated fittings but excludes sliding bolts and lock CSR-2016 Item No. 11.5.3	Psft	54	771	Rupees Seven hundred seventy one only	41634
9	P113647	Providing and fixing MS sheet 16 gauge chowkat, molded in the shape of wooden chowkat including application of bitumen compound inside the chowkat and filling it with CC 1:3:6 including cost of hold fast 2 Nos. round iron at bottom of chowkat complete in all respects as per instruction of Engineer Incharge (b) Size 2" x 10" CSR-2016 Item No. 11.6.2 (b)	Psft	54	128	Rupees One hundred twenty eight only	6912

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
10	P113647	Preparing surface and painting of doors and windows, of type other than those under item 12.3.2 (including edges);(a) Priming coat CSR-2016 Item No.12.3.3(a)	Psft	128	13.3	Rupees Thirteen and thirty paisa only	1702.4
11	P113647	Preparing surface and painting of doors and windows, of type other than those under item 12.3.2 including edges); (b) Each subsequent coat of paint. CSR-2016 Item No.12.3.3(b)	Psft	128	8.99	Rupees eight and ninety nine paisa only	1150.72
12	P113647	Providing and fixing aluminum windows sliding, consisting of chowkat of special type 'U' section 4"x1" and leaf with vertical styles 2"x1", 1-1/4" x 1" bottom rail 2-1/2"x1" and top rail 1-1/4"x1" including latch, screws, sliding wheels, 5 mm. glass sheet fixed with special rubber channel etc. complete in all respects as approved by the Engineer Incharge CSR-2016 Item No.13.9.2	Pst	156	471	Rupees Four hundred seventy one only	73476

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
13	P113647	Providing and fixing aluminum wire gauze shutter to windows consisting of special type section 1-5/8"x1/2" with Aluminum wire gauze of 16x16 mesh per square inch fixed with special rubber channel including cost of wheels, screws, etc. complete as approved by the Engineer Incharge CSR-2016 Item No.13.9.3	Psft	78	151	Rupees One hundred fifty one only	11778
14	P113647	Providing and fixing false ceiling of Plaster of paris as per approved shade and design fixed/ laid on aluminum T-section size 1" x 1" x 1" x 1/8" hanged with aluminum string 1/16" dia fixed to rawl plug complete in all respect CSR-2016 Item No. 11.12.3	Psft	1107	159	Rupees One hundred fifty nine only	176013

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
15	P113647	Providing and fixing paver tiles (7000 psi) unglazed of different colours manufactured by Izhar/ Envircrete, or equivalent, over 2" thick sand base, as per specifications and details given in the drawing, including providing,levelling and compacting sand and preparation of the surface prior to laying of pavers / interlocking tiles (b) 60 mm thick interlocking pavers(b) 60 mm thick interlocking pavers CSR-2016 Item No.9.9.1(b-i)	Psft	5220	67.5	Rupees Sixty Seven and fifty paisa only	352350
16	P113647	Providing and laying road edging of 6" wide and 18" deep precast concrete kerb stone (1:2:4) of approved quality complete in all respect CSR-2016 Item No.17.5.2	Ft	900	146	Rupees One hundred forty six only	131400
17	P113647	Providing and fixing handle lock of approved make/quality CSR-2016 Item No.11.2.4	Each	2	1229	Rupees One thousand two hundred twenty nine only	2458

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
18	P113647	Providing and fixing M.S. flat 1/2" x 1/8" or M.S. Square 1/4" x 1/4" grill in windows, of approved design, including painting 3 coats, complete in all respects CSR-2016 Item No.13.7.1	Psft	156	320	Rupees Three hundred twenty only	49920
19	P113647	Add 150% above on CSR-2016 Items (Civil Portion)					1971210.66
20	P113647	Wall Panelling (Through Rate)	Psft	2403	250	Rupees Two hundred fifty only	600750
21	P113647	Window Blind (Through Rate)	Psft	312	220	Rupees Two hundred twenty only	68640
22	P113647	Wooden Partitation with Lamination sheet (Through Rate)	Psft	1484	900	Rupees Nine hundred only	1335600

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
23	P113647	Providing and fixing UPV Door as per requirement of site engineer (Through Rate)	Psft	441	3500	Rupees Three thousand five hundred only	1543500
24	P113647	Single Bed along with Mattress and Pillow complete	Each	24	80000	Rupees Eighty thousand only	1920000
25	P113647	Quilt/blanket alongwith bed sheet	Each	24	12000	Rupees Twelve thousand only	288000
26	P113647	Dining table with 12 Nos of chairs	Each	2	300000	Rupees Three hundred thousand only	600000
27	P113647	Dinner set, Water set, and Tea set	Each	3	80000	Rupees Eighty thousand only	240000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
28	P113647	Sofa set 07 seater with center table	Each	3	350000	Rupees Three hundred fifty thousand only	1050000
						GRAND TOTAL:	Rs10,931,841.10

Job: Electrical Work - Special Repair of Guard Running Room at Kotri

Specifications / Requirements:

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
1	P113647	Supply & erection of PVC pipes (Size: 3/4") including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface. Complete with all accessories for recessed wiring in walls. According to CSR Item No. 1.3.1.[b(ii)]. Brands: Pakistan Railway Approved Brand.	Meter	1350	70.96	Rupees Seventy and Ninety-Six Paisas Only	95796

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
2	P113647	Supply & erection of single core PVC Copper conductor cable 3/0.029" size, 600/1100 volts in prelaid PVC Pipes, M.S Conduits, GI Pipe/in trenches. According to CSR Item No. 2.1.1(a). Brands: Pakistan Railway Approved Brand.	Meter	2700	32.98	Rupees Thirty-Two and Ninety-Eight Paisas Only	89046
3	P113647	Supply & erection of single core PVC Copper conductor cable 7/0.029" size, 600/1100 volts in prelaid PVC Pipes, M.S Conduits, GI Pipe/in trenches. According to CSR Item No. 2.1.1(c). Brands: Pakistan Railway Approved Brand.	Meter	720	52.83	Rupees Fifty-Two and Eighty-Three Paisas Only	38037.6
4	P113647	PVC Copper cable 7/.044" size, (Single Core, 450/750V) flame retardant, for heavy-duty electrical connections, conforming to BS-6004. make Fast cable, Pakistan cable or equivalent. According to CSR Item No. 2.1.1(e)	Meter	720	93.9	Rupees Ninety-Three and Ninety Paisas Only	67608

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
5	P113647	Supply of LED based Lamp/bulb 30 watt. According to CSR Item No. 5.3.1(d). Brands: Pakistan Railway Approved Brand. Warranty: 01-year replacement warranty	Each	20	600	Rupees Six Hundred Only	12000
6	P113647	Supply and erection of LED road/flood light, 100 Watts, 220-240 VAC, 50 Hz, fittings complete with drivers including SPD, with fixing mechanism, with built-in surge protection, IP-66 rating. According to CSR Item No. 6.1.1(b). Warranty: Minimum 01 year.	Each	20	6000	Rupees Six Thousand Only	120000
7	P113647	Supply and erection of 3-Pin switch & plug combined (Power Plug) 30 Amps, recessed type with porcelain base including its frame for recessed fitting. According to CSR Item No. 5.1.8(c).	Each	35	285	Rupees Two Hundred and Eighty-Five Only	9975
8	P113647	Supply and erection of Lamp Holder (Pin or Screw Type). According to CSR Item No. 5.1.9(a).	Each	20	65	Rupees Sixty-Five Only	1300

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
9	P113647	Supply and installation of chinese fittings (Clipsal or equivalent) light control switch, Three Gang Switch with One Socket, 10 Amps, 250 Volts one way, including its frame, testing and commissioning complete in all respects. According to CSR Item No. 12.4.1(d). Brands: Pakistan Railway Approved Brand.	Each	35	672	Rupees Six Hundred and Seventy-Two Only	23520
10	P113647	Supply and erection of AC Ceiling Fan 56" Sweep, Waterproof, Copper Winding - Double ball bearing, 220-240V 50HZ, . According to CSR Item No. 7.1.1(b). Brands: Pakistan Railway Approved Brand. Warranty: 02-year Motor and Winding warranty.	Each	16	5500	Rupees Five Thousand Five Hundred Only	88000
11	P113647	AC bracket fan (plastic body) 18"sweep complete in all respect make Royal, GFC, Younis, Pak fan or equivalent according to CSR item No.7.1.2(b).	Each	24	4200	Rupees Four Thousand Two Hundred Only	100800

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
12	P113647	Supply and erection of AC exhaust fan 12"sweep, 220-240V, 50Hz, metallic body with louver complete in all respect . According to CSR Item No. 7.1.3(a). Brands: Pakistan Railway Approved Brand. Warranty: 02-year Motor and Winding warranty.	Each	6	2850	Rupees Two Thousand Eight Hundred and Fifty Only	17100
13	P113647	Supply and erection of AC exhaust fan 18"sweep, 220-240V, 50Hz, metallic body with louver complete in all respect . According to CSR Item No. 7.1.3(c). Brands: Pakistan Railway Approved Brand. Warranty: 02-year Motor and Winding warranty.	Each	2	4250	Rupees Four Thousand Two Hundred and Fifty Only	8500
14	P113647	Supply and erection of Inverter Split Air Conditioner 1.5-Ton - Cooling capacity 18000 BTU/h, 220-240V, R407/R22 refrigerant, make Gree, Kenwood or equivalent. Unit shall be supplied with all necessary installation accessories. According to CSR Item No. 12.6.2. Brands: Pakistan Railway Approved Brand. Warranty: Compressor - 03 years; electronic parts and PCB - 02 years.	Each	7	98040	Rupees Ninety-Eight Thousand and Forty Only	686280

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
15	P113647	Supply and erection of galvanized iron earth pipe size 10'x2" (Medium) for earthing connection with hard drawn bare copper conductor 8 SWG and earth pit size 12"x12"x8" containing mixture of salt and charcoal. Earth resistance ≤ 1 ohms, as per PR standards. According to CSR Item No. 8.5.1.	Each	1	5000	Rupees Five Thousand Only	5000
16	P113647	Add 140% Above of CSR Items 2021-22 (Electrical)				Rupees Nineteen Lacs Eight Thousand One Hundred and Forty-Seven and Sixty-Four Paisas Only	1908147.64

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
17	P113647	Three-phase, four-core 95 mm ² Aerial Bundled Cable (ABC) for mains supply, comprising 3 phase conductors and 1 neutral conductor, XLPE insulated, suitable for 0.6/1 kV system voltage, with UV/weather-resistant insulation and suitable for outdoor overhead installation	Meter	200	2640	Rupees Two Thousand Six Hundred and Forty Only	528000
18	P113647	LED Wall mount/Ceiling Tube Light, 4 ft, 40 Watts, 220-240V AC, complete with all necessary hardware for installation, testing, and commissioning.	Each	40	1800	Rupees One Thousand Eight Hundred Only	72000
19	P113647	Supply and Installation of LED Down Light 30W, Recessed Type - 220-240V, 50Hz, round/square shape, for false ceilings. Warranty: 01-year replacement warranty	Each	55	1550	Rupees One Thousand Five Hundred and Fifty Only	85250

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
20	P113647	LED Down Light 18W, Recessed Type - 220-240V, 50Hz, round/square shape, for false ceilings. Warranty: 01-year replacement warranty	Each	30	1350	Rupees One Thousand Three Hundred and Fifty Only	40500
21	P113647	Modern Gold Rectangular LED Chandelier - Crystal Bubble Pendant Light for Dining Room, integrated LED, 220-240V, 50Hz, complete with driver, suspension kit and mounting accessories. Make: Philips/Oppal or equivalent.	Each	1	104500	Rupees One Lac Four Thousand Five Hundred Only	104500
22	P113647	5-Light Wood Farmhouse Drum Chandelier for Sitting Room, 220-240V AC, 50Hz, complete with lamp holders, ceiling canopy, suspension kit, wiring and mounting accessories. Make: Oaks Aura/Philips/Oppal or equivalent.	Each	1	45400	Rupees Forty-Five Thousand Four Hundred Only	45400

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
23	P113647	Modern Wall Mounted LED wall lamp, 220-240V, 50Hz, minimum 10W, complete with LED driver and mounting accessories. Make: Philips/Oppal or equivalent.	Each	25	2000	Rupees Two Thousand Only	50000
24	P113647	Modern Exterior Wall Light, weather-resistant finish, 220-240V, 50Hz, minimum 12W, IP65, complete with driver and mounting accessories. Make: Philips/Oppal or equivalent.	Each	30	2250	Rupees Two Thousand Two Hundred and Fifty Only	67500
25	P113647	Double sided outdoor Wall Light 2 x 5w with up/down illumination, 220-240V, 50Hz, IP65, complete with driver and mounting accessories. Make: Philips/Oppal or equivalent	Each	30	2500	Rupees Two Thousand Five Hundred Only	75000
26	P113647	Pillar/Gate Lamp with corrosion-resistant body, 220-240V, 50Hz, minimum 10W, complete with driver and mounting accessories. Make: Philips/Oppal or equivalent	Each	2	5500	Rupees Five Thousand Five Hundred Only	11000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
27	P113647	Modern LED Mirror Light 220-240V, 50Hz, complete with driver and mounting accessories. Make: Philips/Oppal or equivalent.	Each	2	9500	Rupees Nine Thousand Five Hundred Only	19000
28	P113647	Supply Installation, Testing and Commissioning of Switch Board Frame 3"x6" (China Fitting Type Switch Boards) - make GoodTop, Opal, Aqua or equivalent.	Each	60	140	Rupees One Hundred and Forty Only	8400
29	P113647	Supply Installation, Testing and Commissioning of Chinese fittings (Clipsal or equivalent) light control switch, Eight Gang Switch with Two Socket, 10 Amps, 250 Volts. Brands: Pakistan Railway Approved Brand.	Each	25	1500	Rupees One Thousand Five Hundred Only	37500
30	P113647	Supply Installation, Testing and Commissioning of Chinese fittings (Clipsal or equivalent) Double side Universal Board 10 Amps, 250 Volts. Brands: Pakistan Railway Approved Brand.	Each	35	1300	Rupees One Thousand Three Hundred Only	45500

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
31	P113647	Microwave Oven (25 Litres Capacity): High-capacity 25 Litres microwave oven suitable for continuous operation. The unit shall be equipped with digital touch control panel, LED display, multi-stage cooking options, defrost function, child safety lock, timer, and auto shut-off feature. Operating voltage: 220-240V AC, 50 Hz. Make: Homage, PEL, Canon, Dawlance, Haier, or equivalent. Warranty: Minimum one (01) year.	Each	2	50000	Rupees Fifty Thousand Only	100000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
32	P113647	A double-door deep freezer: Capacity 18 Cubic feet. suitable for continuous use. power supply:220-240V, 50Hz . Brand Haier, Dawlance, PEL, Kenwood, or an equivalent. Efficient and uniform cooling with a reliable, low-noise, energy-efficient compressor. Corrosion-resistant material of body with high-density insulation and durable door hinges to ensure proper sealing. The interior shall be made of food-grade material. It should be supplied all necessary installation accessories, and a 10-kW automatic voltage stabilizer with steel frame/angle iron stand. Warranty: Compressor - 03 years; electronic parts and PCB - 02 years.	Each	1	170000	Rupees One Lac Seventy Thousand Only	170000
33	P113647	Modern Smart Inverter Refrigerator, Size/Cap: 16 Cubic Feet. Brand. PEL, Haier, Kenwood or equivalent Modern Smart Inverter Refrigerator, 16 Cubic Feet minimum capacity, with energy-efficient inverter compressor, digital temperature control, LED lighting. 220-240 V AC, 50 Hz. Brand: PEL, Haier, Kenwood or equivalent with standard warranty.	Each	1	125500	Rupees One Lac Twenty- Five Thousand Five Hundred Only	125500

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
34	P113647	Three Tap Water Cooler - 100 Litre Capacity, Heavy-duty stainless-steel body, suitable for continuous public use. The unit shall include floor stand and all necessary fittings and accessories for complete installation and operation. Warranty: Compressor - 03 years; internal tank and valves - 01 year; electrical components - 01 year. Brand: Canon or equivalent	Each	2	265000	Rupees Two Lacs Sixty-Five Thousand Only	530000
35	P113647	MOTOR-PUMP SET- Single Phase 2-HP 220-240 VAC, 50 Hz, electric copper wound electric motor with pump size 1" x 1¼", capable of continuous duty operation. The assembly shall include motor, pump, base frame, coupling, and all necessary accessories complete in all respects with insulation class "F" and protection class IP-55. Warranty: Minimum one (01) year for motor winding.	Each	1	80000	Rupees Eighty Thousand Only	80000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
36	P113647	Electric Geyser (100 Litres Capacity, 2000 Watts): High-quality electric water heater with 100 litres storage capacity, designed for reliable and energy-efficient operation. The geyser shall have a 2000-watt heating element, suitable for 220-240V AC, 50 Hz power supply. Make: Canon, Haier, Nalgas, Super Asia, or equivalent (reputed brand). Warranty: Minimum one (01) year.	Each	2	70000	Rupees Seventy Thousand Only	140000
37	P113647	Automatic Hand Dryer, 1500-1800 Watts, touchless infrared/sensor operation, wall-mounted type, with automatic ON/OFF function, durable and corrosion-resistant body. Brand: Siemens or equivalent.	Each	4	14500	Rupees Fourteen Thousand Five Hundred Only	58000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
38	P113647	Three-Phase Four-Pole Manual Changeover Switch – 200 Amperes. Heavy-duty manual changeover switch rated 200 Amps, 415V AC, 50 Hz, suitable for three-phase four-wire distribution systems for transfer between main supply and standby supply. It shall be enclosed in a sheet steel, powder-coated housing with IP-54 protection, suitable for indoor or outdoor installation. Brands: Schneider Electric (France), ABB (Switzerland), Siemens (Germany), Hager (France), Terasaki (Japan), Millat (Pakistan), FICO (Pakistan), or equivalent approved make. Warranty: Minimum 12 months (1 year)]warranty from date of commissioning.	JOB	1	80000	Rupees Eighty Thousand Only	80000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
39	P113647	Supply Installation, Testing and Commissioning of Main Distribution Board (MDB) Fabricated from heavy gauge G.I / CRCA sheet steel, wall-mounted, powder-coated enclosure, dust and vermin proof (IP-54). such of size that it has 3 Horizontal rows and separate spot for main breaker , complete with locking glass door, internal wiring, and all necessary termination accessories. Electrical Arrangement: Incoming: • 01 No. MCCB 4-Pole 200A. Outgoing Feeders: • 04 Nos. MCCB (4-Pole) 60~63 A • 8 Nos. MCB (2-Pole) 32 A • 12 Nos. MCB (1-Pole) 10 A • 02 Nos. RCCB (2-Pole) 63 A / 30 mA • HRC fuses for control. (Qty: As per Circuit Requirement) Metering & Indication: • 01 No. Digital Multifunction Meter (V, A, kW, kWh, PF, Hz) with. • 01 Set Phase Indicator Lamps (R, Y, B). • 01 Set Selector Switches for Volt/Amp Meter Installation: Main Distribution Board shall include all necessary accessories including, connecting strips, metallic bars etc. in all respects with wiring, testing, and commissioning. Approved Makes: Schneider, ABB, Siemens, Terasaki, or equivalent for MCCBs / MCBs. Warranty: Electrical components (MCCB/MCB/RCCB/Changeover) 01 year, enclosure and fabrication - 01	JOB	1	310000	Rupees Three Lacs Ten Thousand Only	310000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
						GRAND TOTAL:	Rs6,054,160.24

Job: , SUPPLY, INSTALLATION, COMMISSIONING & TESTING OF 35-KW HYBRID SOLAR SYSTEM AT GUARD RUNNING ROOM KOTRI OVER PAKISTAN RAILWAYS KARACHI DIVISION

Specifications / Requirements:

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
1	P113647	Solar Panels Rating: 610W or above ,12 Year Product, 25 Year Performance Warranty, IEC 61215 Certified Brands: JA solar, CSI, Canadian Solar or Equivalent Tier 1.	Each	As per System Capacity requirement	1310000	Rupees Thirteen Lac Ten Thousand Only	1310000
2	P113647	Inverter Type: Three Phase HYBRID Inverter, IP-65 with built in DC and AC Surge Protection Devices, equipped with a built-in online monitoring system and Wi-Fi-enabling device (dongle). 10 years warranty. Manufacturing Brand: GoodWe, Huawei, Soils, Sungow or Equivalent Tier-1	Each	As per System Capacity requirement	1690000	Rupees Sixteen Lac Ninety Thousand Only	1690000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
3	P113647	DC Cables: 1C × 6 mm ² or above size Copper, XLPE/XLPO insulated, UV/weather resistant, double insulated, 1.5 kV DC, suitable for solar PV applications, complete with compatible MC4 connectors and accessories. (lengths & size may vary on site;) Brands Newage, Allied, Fast, Pakistan Cables or equivalent	Meter	As per site requirement	105000	Rupees One Lac Five Thousand Only	105000
4	P113647	AC Cables: 4C × 35 mm ² Copper, XLPE insulated, 0.6/1 kV grade. (Cable size and length may vary as required based on site conditions). Complete in all respects. Brand: Newage / Fast Cables / Pakistan Cables or Equivalent.	Meter	As per site requirement	135000	Rupees One Lac Thirty-Five Thousand Only	135000
5	P113647	Dust Proof Powder Coated Metallic Distribution Box, indoor/outdoor, appropriate housing space, as per site requirements complete in all respects, IP 54 or higher.	Nos	1	70000	Rupees Seventy Thousand Only	70000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
6	P113647	Panel Mounting Structure : Heavy-duty ground-mounted solar panel structure, approximately 12 ft high, fabricated from minimum 3.0 mm primary and 2.5 mm secondary structural steel, hot-dip galvanized, complete with mounting rails, brackets, fasteners, anchor bolts and RCC foundations, designed for applicable wind/environmental loads. Complete in all respects.	Job	1	510000	Rupees Five Lac Ten Thousand Only	510000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
7	P113647	Protective Devices Required i. Three Phase Four Pole 200-A MCCB for Mains Supply from Utility. ii. Three phase Three/Four Pole MCBs for input side and output side of the inverter separately. iii. Three Phase Over/Under Voltage and Phase Sequence Protection Device on inverter input side and load side separately. iv. DC Two Pole Circuit breakers and Fuses for DC input to inverter and also between Battery/Batteries and Inverter v. SPDTs, Isolators, Change Over Switch and Surge Arrestors Brand for Circuit Breakers: Schneider, Terasaki or Equivalent.	Job	1	250000	Rupees Two Lac Fifty Thousand Only	250000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
8	P113647	Complete earthing system including copper-bonded/GI earth electrodes, earth pits with inspection chambers, earth conductors, earth busbar, clamps, lugs and all accessories. All PV structures, inverter, Distribution Boxes, cable trays and metallic parts shall be properly bonded. Earth resistance shall not exceed 5 Ohms. Complete in all respects and compliant with applicable IEC standards.	Job	1	100000	Rupees One Lac Only	100000
9	P113647	Misc Items i.e PVC Pipe Flexible Cable Trays and Conduits Where Required Accessories and Misc. Items. 1. Cables Ducts 2. Cable Trays GI 3. Nut, bolts and etc. Complete in all respect to complete the project.	Job	1	50000	Rupees Fifty Thousand Only	50000
10	P113647	Installation and Transportation Charges as per site requirement to complete the project in all respect.	Job	1	230000	Rupees Two Lac Thirty Thousand Only	230000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
11	P113647	Net Metering - Application preparation, submission, processing at relevant DISCOs / NEPRA along with relevant Fee & Demand Notice for Electricity Meters - Application Handling, Processing - Protection Equipment -Disconnect Switches as per Electricity Inspector recommendation - Lightning Arrestor (s)	Job	1	350000	Rupees Three Lac Fifty Thousand Only	350000
12	P113647	Batteries: Lithium-ion Battery, Nominal voltage: 48 V. Rated capacity: 100-AH. This includes battery cables and allied accessories. Warranty: 05 Years. Brands: Narada, Solectra, Inverex, or equivalent reputed manufacturers.	Each	6	300000	Rupees Three Lac Only	1800000
						GRAND TOTAL:	Rs6,600,000.00

Scope of Work

The Kotri Driver and Guard Running Room project encompasses civil, architectural, and interior development. Structural works involve excavation, concrete foundations, brick masonry, reinforced concrete framing, damp proofing, and clay tile roofing. Finishing touches feature plastered and painted walls, porcelain and marble flooring, false ceilings, aluminum windows, and wooden doors. Complete plumbing and gas networks will be established, elevated storage tanks, and comprehensive drainage systems. Interior spaces will be fully furnished with beds, dining sets, lounge seating, and kitchen cabinetry, while electrical works cover concealed conduit wiring for lighting, power distribution, and heavy appliances and Solarization

Price Schedule

For Individual Jobs

#	Job Title	Quantity	Unit Price (PKR)	Total Price (PKR)	Delivery Location	Delivery Period / Year	Country of Origin
1							
2							

For Lots

#	Lot Title	Total Lot Price (PKR)	Country of Origin
1	[Lot 1 Title]		





General Conditions of Contract

A. General

1. Definitions

1.1. Unless the context otherwise requires, the following terms whenever used in this Contract shall have the same meaning and shall be interpreted as indicated

1.1.1. “Applicable Law” means the laws and any other instruments having the force of law in the Government’s Country, or in such other country as may be specified in the Special Conditions of the Contract (SC), as they may be issued and in force from time to time;

1.1.2. “The Contract” means an agreement enforceable by law;

1.1.3. “The Contract Price” means the price payable to the Contractor under the Contract for the full and proper performance of its contractual obligations;

1.1.4. “The Services” means the work to be performed by the Contractor pursuant to this Contract and as prescribed in the Specifications and Schedule of Activities included in the Contractor’s Bid;

1.1.5. “Ancillary Services” means those services ancillary to the provision of Services, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Contractor covered under the Contract;

1.1.6. “GCC” means the General Conditions of Contract contained in this section;

1.1.7. “SCC” means the Special Conditions of Contract by which the GCC may be amended or supplemented;

1.1.8. “Day” means calendar day unless indicated otherwise;

1.1.9. “Effective Date” means the date on which this Contract comes into force and effect;

1.1.10. “The Contractor” means the individual or corporate body whose Bids to provide the Services has been accepted by the Procuring Agency;

1.1.11. “The Project Site,” where applicable, means the place or places named in Bid Data Sheet and technical Specifications;

1.1.12. “Government” means the Government of Pakistan;

1.1.13. “Local Currency” means the currency of Pakistan;

1.1.14. “In Writing” means communicated in written form with proof of receipt;

1.1.15. “Completion Date” means the date of completion of the Services by the Contractor as certified by the Procuring Agency;

1.1.16. “Foreign Currency” means any currency other than the currency of the country of the Procuring Agency;

1.1.17. "Party" means the Procuring Agency or the Contractor, as the case may be, and "Parties" means both of them;

1.1.18. "Service" means any object of procurement other than goods or works;

1.1.19. "Subcontractor" means any entity to which the Bidder subcontracts any part of the Services.

2. Applicable Law

2.1. The contract shall be governed and interpreted in accordance with the laws of Pakistan, unless otherwise specified in SCC.

3. Language

3.1. The Contract as well as all correspondence and documents relating to the Contract exchanged between the Contractor and the Procuring Agency, shall be written in the **English language** unless otherwise stated in the SCC. Supporting documents and printed literature that are part of the Contract may be in another language provided these are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Contract, this translation shall govern.

4. Notices

4.1. Any notice, request, or consent made pursuant to this Contract shall be in writing and shall be deemed to have been made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent by registered mail, telex, telegram, or facsimile to such Party at the address specified in the SCC.

5. Location

5.1. The Services shall be performed at such locations as the Procuring Agency may approve and as specified in SCC.

5.2. A {DOCUMENTS}

6. Authorized Representatives / Authority of Member in charge

6.1. Any action required or permitted to be taken, and any document required or permitted to be executed, under this Contract by the Procuring Agency or the Contractor may be taken or executed by the officials specified in the SCC.

B. Commencement, Completion, Modification, and Termination of Contract

7. Effectiveness of Contract

7.1. This Contract shall come into effect on the date the Contract is signed by both parties and such other later date as may be stated in the SCC.

8. Commencement of Services

8.1. The Contractor shall confirm availability of Key Experts and begin carrying out the Services not later than the number of days after the Effective Date specified in the SCC.

9. Program schedule

9.1. Before commencement of the Services, the Contractor shall submit to the Procuring Agency for approval a Program showing the general methods, arrangements, order and timing for all activities. The Services shall be carried out in accordance with the approved Program as updated.

10. Starting Date/Expiration Date

10.1. The Contractor shall start carrying out the Services Five (05) days after the date the Contract becomes effective, or at such other date as may be specified in the SCC.

10.2. Unless terminated earlier pursuant to Clause **GCC 14** hereof, this Contract shall expire at the end of such time period after the Effective Date as specified in the SCC.

11. Entire Agreement

11.1. This Contract contains all covenants, stipulations and provisions agreed by the Parties. No agent or representative of either Party has authority to make, and the Parties shall not be bound by or be liable for, any statement, representation, promise or agreement not set forth herein.

12. Modification

12.1. Any modification or variation of the terms and conditions of this Contract, including any modification or variation of the scope of the Services, may only be made by written agreement between the Parties. However, each Party shall give due consideration to any modification(s) or variation(s) made by the other Party.

12.2. In cases of any modification(s) or variation(s), the prior written consent of the Procuring Agency is required.

13. Force Majeure

13.1. Definition

For the purposes of this Contract, "Force Majeure" means an event which is beyond the reasonable control of a Contractor and which makes a Contractor's performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances.

13.2. No Breach of Contract

The failure of a Party to fulfill any of its obligations under the contract shall not be considered to be a breach of, or default under, this Contract in so far as such inability arises from an event of Force Majeure, provided that the Party affected by such an event (a) has taken all reasonable precautions, due care and reasonable alternative

measures in order to carry out the terms and conditions of this Contract, and (b) has informed the other Party as soon as possible about the occurrence of such an event.

13.3. Extension of Time

Any period within which a Contractor shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.

13.4. Payments

During the period of their inability to perform the Services as a result of an event of Force Majeure, the Contractor shall be entitled to continue to be paid under the terms of this Contract, as well as to be reimbursed for additional costs reasonably and necessarily incurred by them during such period for the purposes of the Services and in reactivating the Service after the end of such period.

14. Termination

14.1. By the Procuring Agency

The Procuring Agency may terminate this Contract in case of the occurrence of any of the events specified in paragraphs (a) through (e) of this Clause. In such an occurrence the Procuring Agency shall give at least thirty (30) calendar days' written notice of termination to the Contractor in case of the events referred to in (a) through (d); at least sixty (60) calendar days' written notice in case of the event referred to in (e);

14.1.1. If the Contractor fails to remedy a failure in the performance of its obligations hereunder, as specified in a notice of suspension;

14.1.2. If the Contractor becomes (or, if the Contractor consists of more than one entity, if any of its members becomes) insolvent or bankrupt or enter into any agreements with their creditors for relief of debt or take advantage of any law for the benefit of debtors or go into liquidation or receivership whether compulsory or voluntary;

14.1.3. If the Contractor fails to comply with any final decision reached as a result of arbitration proceedings;

14.1.4. If, as the result of Force Majeure, the Contractor is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days;

14.1.5. If the Procuring Agency, in its sole discretion and for any reason whatsoever, decides to terminate this Contract;

14.2. By the Contractor

The Contractor may terminate this Contract, by not less than thirty (30) calendar days' written notice to the Procuring Agency, in case of the occurrence of any of the events specified in paragraphs (a) through (d) of this Clause.

14.2.1. If the Procuring Agency fails to pay any money due to the Contractor pursuant to this Contract and not subject to dispute within forty-five (45) calendar days after receiving written notice from the Contractor that such payment is overdue;

14.2.2. If, as the result of Force Majeure, the Contractor is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days;

14.2.3. If the Procuring Agency fails to comply with any final decision reached as a result of arbitration;

14.2.4. If the Procuring Agency is in material breach of its obligations pursuant to this Contract and has not remedied the same within forty-five (45) days (or such longer period as the Bidder may have subsequently approved in writing) following the receipt by the Procuring Agency of the Contractor's notice specifying such breach.

C. Obligations of the Contractor

15. General

15.1. Standard of Performance

15.1.1. The Contractor shall perform the Services and carry out the Services with all due diligence, efficiency and economy, in accordance with generally accepted professional standards and practices, and shall observe sound management practices, and employ appropriate technology and safe and effective equipment, machinery, materials and methods. The Contractor shall always act, in respect of any matter relating to this Contract or to the Services, as a faithful adviser to the Procuring Agency, and shall at all times support and safeguard the Procuring Agency's legitimate interests in any dealings with the third parties;

15.1.2. The Contractor shall employ and provide such qualified and experienced Experts and Sub-Contractors as are required to carry out the Services.

15.2. Law Applicable to Services

The Contractor shall perform the Services in accordance with the Contract and in accordance with the Law of Pakistan and shall take all practicable steps to ensure that any of its Experts and Sub-Bidders, comply with the Applicable Law.

16. Conflict of Interests

16.1. Contractor Not to Benefit from Commissions and Discounts

The remuneration of the Contractor shall constitute the Contractor's sole remuneration in connection with this Contract or the Services, and the Contractor shall not accept for their own benefit any trade commission, discount, or similar payment in connection with activities pursuant to this Contract or to the Services or in the discharge of their obligations under the Contract, and the Contractor shall use their best efforts to ensure that the Personnel, any Subcontractors, and agents of either of them similarly shall not receive any such additional remuneration.

16.2. Contractor and Affiliates Not to be Otherwise Interested in Project

The Contractor agree that, during the term of this Contract and after its termination, the Contractor and its affiliates, as well as any Subcontractor and any of its affiliates, shall be disqualified from providing Services (other than the Services and any continuation thereof) for any project resulting from or closely related to the Services.

16.3. Prohibition of Conflicting Activities

Neither the Bidder nor its Subcontractors nor the Personnel shall engage, either directly or indirectly, in any of the following activities:

16.3.1. during the term of this Contract, any business or professional activities in the Government's country which would conflict with the activities assigned to them under this Contract;

16.3.2. during the term of this Contract, neither the Contractor nor their Subcontractors shall hire public employees in active duty or on any type of leave, to perform any activity under this Contract;

16.3.3. after the termination of this Contract, such other activities as may be specified in the **SCC**.

17. Insurance to be Taken Out by the Contractor

17.1. The Contractor(a) shall take out and maintain, and shall cause any Subcontractors to take out and maintain, at its (or the Sub-contractors', as the case may be) own cost but on terms and conditions approved by the Procuring Agency, insurance against the risks, and for the coverage, as shall be specified in the **SCC**; and (b) at the Procuring Agency's request, shall provide evidence to the Procuring Agency showing that such insurance has been taken out and maintained and that the current premiums have been paid.

18. Contractor's Actions Requiring Procuring Agency's Prior Approval

18.1. The Contractor shall obtain the Procuring Agency's prior approval in writing before taking any of the following actions:

18.1.1. appointing such members of the Personnel not provided by the Contractor;

18.1.2. changing the Program of activities; and

18.1.3. any other action that may be specified in the **SCC**.

19. Reporting Obligations

19.1. The Contractor shall submit to the Procuring Agency the reports and documents in the numbers, and within the periods as prescribed by the Procuring Agency.

20. Liquidated Damages

20.1. Payments of Liquidated Damages

The Contractor shall pay liquidated damages to the Procuring Agency at the rate per day stated in the **SCC** for each day that the Completion Date is later than the Intended Completion Date. The total amount of liquidated damages shall not exceed the amount defined in the **SCC**. The Procuring Agency may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's liabilities.

20.2. Correction for Over-payment

If the Intended Completion Date is extended after liquidated damages have been paid, the Procuring Agency shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate. The

Contractor shall be paid interest on the overpayment, calculated from the date of payment to the date of repayment, at the rates specified in **SCC**.

20.3. Lack of performance penalty

If the Contractor has not corrected a Defect within the time specified in the Procuring Agency's notice, a penalty for Lack of performance will be paid by the Contractor. The amount to be paid will be calculated as a percentage of the cost of having the Defect corrected, assessed as specified in the Contractor

21. Performance Guarantee

21.1. Within the time stipulated in the acceptance letter from the Procuring Agency, the successful Bidder shall furnish the Performance Guarantee in shape and amount **specified in SCC**.

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

21.3. The Performance Guarantee shall be denominated in the currency of the Contract, or in a freely convertible currency acceptable to the Procuring agency and shall be in the acceptable form as specified in **SCC**.

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

22. Sustainable Procurement

22.1. The Contractor shall conform to the sustainable procurement contractual provisions, if and as specified in the **SCC**.

D. Contractor's Personnel

23. Description of Personnel

23.1. The titles, agreed job descriptions, minimum qualifications, and estimated periods of engagement in the carrying out of the Services of the Contractor's Key Personnel. The Key Personnel listed by title as well as by name are hereby approved by the Procuring Agency.

24. Removal and / or Replacement of Personnel

24.1. Except as the Procuring Agency may otherwise agree, no changes shall be made in the Key Personnel. If, for any reason beyond the reasonable control of the Contractor, it becomes necessary to replace any of the Key Personnel, the Contractor shall provide as a replacement a person of equivalent or better qualifications.

24.2. If the Procuring Agency finds that any of the Personnel have (i) committed serious misconduct or have been charged with having committed a criminal action, or (ii) have reasonable cause to be dissatisfied with the performance of any of the Personnel, then the Contractor shall, at the Procuring Agency's written request specifying the grounds thereof, provide as a replacement a person with qualifications and experience acceptable to the Procuring Agency.

24.3. The Contractor shall have no claim for additional costs arising out of or incidental to any removal and/or replacement of Personnel.

E. Obligations of the Procuring Agency

25. Change in the Applicable Law

25.1. If, after the date of this Contract, there is any change in the Applicable Law with respect to taxes and duties which increases or decreases the cost of the Services rendered by the Contractor, then the remuneration and reimbursable expenses otherwise payable to the Contractor under this Contract shall be increased or decreased accordingly by agreement between the Parties, and corresponding adjustments shall be made to the amounts referred in the SCC.

26. Services and Facilities

26.1. The Procuring Agency shall make available to the Contractor and the Experts, for the purposes of the Services and free of any charge, the services, facilities and property described in the Terms of Reference, at the times and in the manner specified in the Terms of Reference.

26.2. In case that such services, facilities and property shall not be made available to the Contractor, the Parties shall agree on (i) any time extension that it may be appropriate to grant to the Contractor for the performance of the Services, (ii) the manner in which the Contractor shall procure any such services, facilities and property from other sources, and (iii) the additional payments, if any, to be made to the Contractor as a result thereof.

F. Payments to the Contractor

27. Contract Price

27.1. The price payable shall be in Pakistani Rupees unless otherwise specified in the SCC.

28. Terms and Conditions of Payment

28.1. Payments will be made to the Contractor according to the payment schedule stated in the SCC and as per actual invoice submitted by the Contractor.

28.2. Unless otherwise stated in the SCC, the advance payment shall be made against the provision by the Contractor of a bank guarantee for the same amount, and shall be valid for the period stated in the SCC. Any other payment shall be made after the conditions listed in the SCC for such payment have been met, and the Contractor have submitted an invoice to the Procuring Agency specifying the amount due.

29. Quality Control Identifying Defects

29.1. The principle and modalities of Inspection of the Services by the Procuring Agency shall be as indicated in the SCC. The Procuring Agency shall check the Contractor's performance and notify him of any Defects that are

found. Such checking shall not affect the Contractor's responsibilities. The Procuring Agency may instruct the Contractor to search for a Defect and to uncover and test any service that the Procuring Agency considers may have a Defect. Defect Liability Period is as defined in the SCC.

29.2. A {INSPECTION}

30. Correction of Defects, and Lack of Performance Penalty

30.1. The Procuring Agency shall give notice to the contractor of any Defects before the end of the Contract. The Defects liability period shall be extended for as long as Defects remain to be corrected.

30.2. Every time notice a Defect is given; the contractor shall correct the notified Defect within the length of time specified by the Procuring Agency's notice.

30.3. If the contractor has not corrected a Defect within the time specified in the Procuring Agency's notice, the Procuring Agency will assess the cost of having the Defect corrected, the contractor will pay this amount, and a Penalty for Lack of Performance.

31. Settlement of Disputes Amicable Settlement

31.1. The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or its interpretation.

32. Dispute Settlement

32.1. Arbitration

If any dispute of any kind whatsoever shall arise between the procuring agency and the contractor in connection with or arising out of the Contract, including without prejudice to the generality of the foregoing, any question regarding its existence, validity or termination, or the execution of the contract, the parties shall seek to resolve any such dispute or difference by mutual consultation. If the parties fail to resolve such a dispute or difference even after negotiations or mediation, then the dispute shall be referred within fourteen (14) days in writing by either party to the Arbitrator, with a copy to the other party.

Any dispute in respect of which a notice of intention to commence arbitration has been given, in accordance with **GCC sub-clause 32.1**, shall be finally settled by arbitration. Arbitration may be commenced prior to or after completion of the Contract. Arbitration proceedings shall be conducted in accordance with Arbitration Act 1940. Notwithstanding any reference to arbitration herein, the parties shall continue to perform their respective obligations under the Contract unless otherwise agreed. The Procuring Agency shall continue to pay the Contractor any undisputed amounts due under the Contract during the resolution of any dispute.



Special Conditions of Contract

SECTION VIII. SPECIAL CONDITIONS OF CONTRACT

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

Number of GC Clause

Amendments of, and Supplements to, Clauses in the General Conditions of Contract

Number of GC Clause 1

Definitions

The Procuring Agency is: Pakistan Railways - Karachi Division (Civil Engineering), Divisional Executive Engineer - III Divisional Superintendent Office, I.I Chundrigar Road Karachi, Sindh (Province)

The Supplier is:

The title of the subject procurement is: Construction of Driver Running Room and Special Repair of Guard Running Room at Kotri, including associated Electrical Works and Solarization.

Number of GC Clause 2

Applicable/Governing Law:

The Contract shall be interpreted in accordance with the laws of Islamic Republic of Pakistan

Number of GC Clause 3

Language:

The language of the Contract, all correspondence and communications to be given, and all other documentation to be prepared and supplied under the Contract shall be in **English**.

Number of GC Clause 4

Notices:

The addresses for the notices are:

Procuring Agency:

Pakistan Railways - Karachi Division (Civil Engineering), Divisional Executive Engineer - III
Divisional Superintendent Office, I.I Chundrigar Road Karachi, Sindh (Province)
+92-331-272-8075
den3kc@pakrail.gov.pk

Contractor/ Bidder:

[Name, address and telephone number]

The Contractor/ Bidder's Representative(s)

[Name, address, telephone number and e-mail address]

Number of GC Clause 6.1

The Authorized Representatives are:

For the Procuring Agency:

Pakistan Railways - Karachi Division (Civil Engineering), Divisional Executive Engineer - III
Divisional Superintendent Office, I.I Chundrigar Road Karachi, Sindh (Province)
+92-331-272-8075
den3kc@pakrail.gov.pk

For the Bidder:

Name:

Designation:

Address:

Number of GC Clause 7

Effectiveness of the contract

The Contractor/Bidder shall be effective within days from the date of signature of the Contract by both parties

Number of GC Clause 8

Commencement of Contract:

The Contractor/Bidder shall provide Non-Consultancy Services from the effective date of contract.

Number of GC Clause 10.2

Expiration of Contract:

The time period shall be

Number of GC Clause 14

Termination

In the event of termination of the contract due to any reason as already defined in the General Conditions of Contract, the Bidder shall be responsible for providing to the Authority the Goods till the time of alternate arrangements.

Number of GC Clause 16

Conflict of Interest:

The Procuring Agency reserves the right to determine on a case-by-case basis whether the Bidder should be disqualified from providing goods or services due to a conflict of a nature described in Clause GCC 17.

Number of GC Clause 20

Liquidated Damages

If the Bidder fails to provide services as required under the contract or in case of any data loss/data breach or any incident compromising the data security or other such failures related to any services, the Bidder shall pay to the Procuring Agency as Liquidated Damages at a rate of **0.05% to 10.00%** of the Contract value, in accordance with the extent of performance failure & the cost of investigating such incidents as judged by the Authority.

Number of GC Clause 21

Performance Guarantee:

The amount of performance guarantee shall be **10.00%** of the contract price in acceptable form of **Pay Order, Call at Deposit, Bank Guarantee**

Number of GC Clause 27

Currency of Payment:

All the payment to be released to the contractor/Bidder shall be in Pakistani Rupees.

Number of GC Clause 28

Payment terms:

Payment will be made to the Bidder against the procured Goods and services according to the actual invoice or running bills submitted by the Bidder against the services provided within the time given in the conditions of the contract.

Number of GC Clause 29

Identifying Defects:

The Authority reserves the right at any time to inspect the premises of the provider to inspect the goods and monitor the goods being provided.

Inspections & Tests Requirements

For being Brand New, bearing relevant reference numbers of the equipment (Certificate from supplier)

For Physical Fitness having No Damages (Certificate from supplier)

For successful operation at site after complete installation, testing and commissioning of the equipment (Installation, Testing and Commissioning Report by Procurement Committee / Inspection Team)

Tests and Inspections: The Purchaser/Employer reserves the right to have the testing and verification of any equipment, material, or installation carried out (at the time of delivery, during or at the end of ITC with access to drawing and production data) by a third-party inspection agency at any stage of the project. Such testing, if conducted, shall be at the expense of the Contractor/Successful Bidder.

Delivery & Documents

Copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;

Manufacturer's or Supplier's Valid Warranty Certificate;

Inspection Certificate issued by the Nominated Inspection Agency (if any), and the Supplier's Factory Inspection Report;

Certificate of Origin.

The above documents would be required even if the equipment has already been imported and is available with the supplier ex-stock

Number of GC Clause 31

Following is the guidance for Dispute Resolution

- i. If any dispute of any kind whatsoever shall arise between the Authority and the Bidder in connection with or arising out of the Contract... (full clause unchanged)
- ii. At future of negotiation the dispute shall be resolved through mediation...
- iii. At failure of mediation, arbitration under Arbitration Act 1940...
- iv. Cost sharing equally...
- v. Proceedings may commence before/after completion...

Notwithstanding any reference to the arbitration herein, the parties shall continue to perform their respective obligations under the Contract.

Rules of procedure for arbitration proceedings:

Any dispute between the Authority and a Bidder shall be referred to arbitration under the laws of Pakistan including Arbitration Act 1940.

Place of Arbitration and Award:

The arbitration shall be conducted in English language and place shall be Islamabad. The award shall be final and binding.



Bid Securing Declaration

Form 9: Bid Securing Declaration

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

Bid No.: **P113647**

To: **Pakistan Railways - Karachi Division (Civil Engineering), Divisional Executive Engineer - III Divisional Superintendent Office, I.I Chundrigar Road Karachi, Sindh (Province)**

We, the undersigned, declare that:

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

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

1. have withdrawn or modified our Bid during the period of Bid Validity specified in the Form of Bid;
2. Disagreement to arithmetical correction made to the Bid price; or
3. having been notified of the acceptance of our Bid by the Procuring Agency during the period of Bid Validity, (i) failure to sign the contract if required by Procuring Agency to do so or (ii) fail or refuse to furnish the Performance Security or to comply with any other condition precedent to signing the contract specified in the Bidding Documents.

We understand this Bid Securing Declaration shall expire if we are not the successful

Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight (28) days after the expiration of our Bid.



Contract Form

SECTION IX: CONTRACT FORMS

THIS AGREEMENT made the ____ day of _____ 20____ between **Pakistan Railways - Karachi Division (Civil Engineering), Divisional Executive Engineer - III Divisional Superintendent Office, I.I Chundrigar Road Karachi, Sindh (Province)**

(hereinafter called “the Procuring Agency”) of the one part and [name of Bidder] of [city and country of Bidder] (hereinafter called “the Bidder”) of the other part:

WHEREAS the Procuring Agency invited Bids for provision of goods, viz., **Construction of Driver Running Room and Special Repair of Guard Running Room at Kotri, including associated Electrical Works and Solarization. (P113647)** and has accepted a Bids by the Bidder for the provision of Goods 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:-

1. This form of Contract;
2. the Form of Bids and the Price Schedule submitted by the Bidder;
3. the Schedule of Requirements;
4. the Technical Specifications;
5. the Special Conditions of Contract;
6. the General Conditions of the Contract;
7. the Procuring Agency’s Letter of Acceptance; and
8. [add here: any other documents]

3. In consideration of the payments to be made by the Procuring Agency to the Bidder as hereinafter mentioned, the Bidder hereby covenants with the Procuring Agency to provide the Goods related services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

4. The Procuring Agency hereby covenants to pay the Bidder in consideration of the provision of Goods 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.

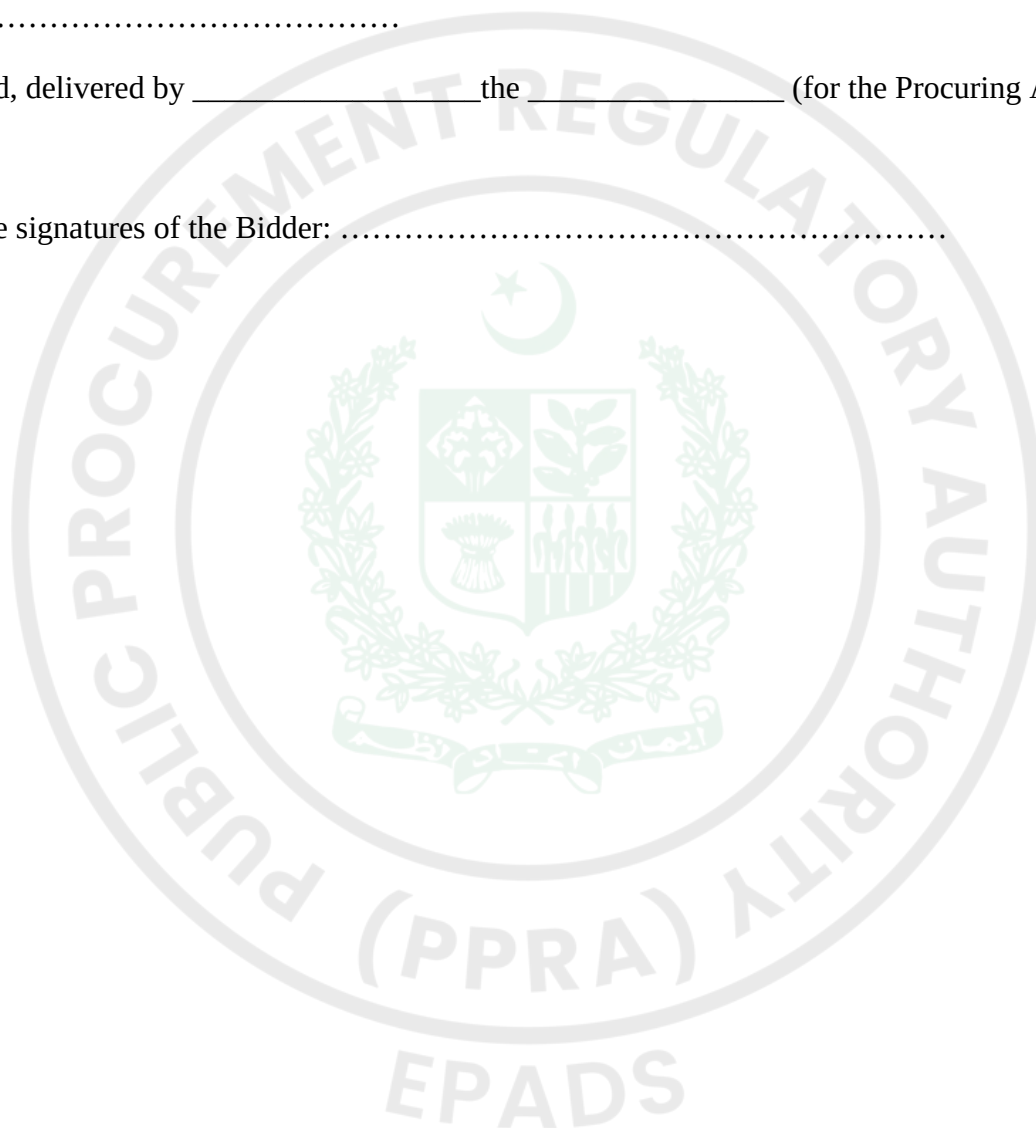
Signed, sealed, delivered by _____ the _____ (for the Procuring Agency)

Witness to the signatures of the Procuring Agency:

.....

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

Witness to the signatures of the Bidder:





Integrity Pact

Integrity Pact

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

Contract

Number: Contract

Value: Contract Title:

Dated:

[Name of Supplier] 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 Supplier] 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 Supplier] 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 Supplier] 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 Supplier] 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 times the sum of any commission, gratification, bribe, finder's fee or kickback given by [Name of Supplier] 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.



Performance Guarantee Form

Performance Guarantee Form

To: **Pakistan Railways - Karachi Division (Civil Engineering), Divisional Executive Engineer - III Divisional Superintendent Office, I.I Chundrigar Road Karachi, Sindh (Province)**

WHEREAS *[name of Bidder]* (hereinafter called “the Bidder”) has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated *[insert date]* for provision of Goods(hereinafter called “the Contract”).

AND WHEREAS it has been stipulated by you in the said Contract that the Bidder shall furnish you with a Bank Guarantee by a reputable bank for the sum specified therein as security for compliance with the Bidder’s performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Bidders guarantee:

THEREFORE, WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Bidder, 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 Bidder 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]*

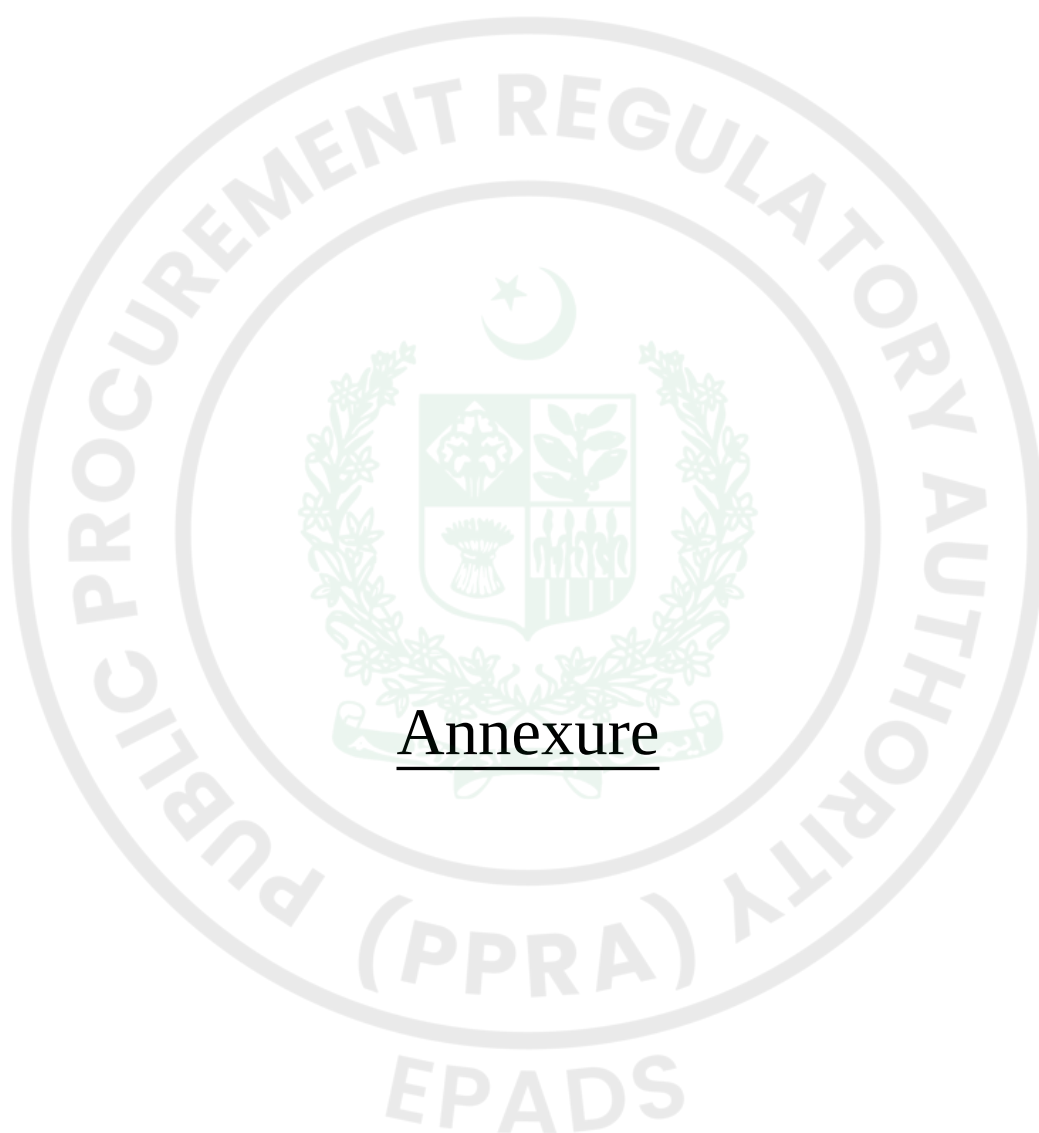
Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

[date]





Annexure

Annexure for Financial Bid

Financial Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **Annexure for Financial Bid** (page number: 166)





Procurement Forms

Past Construction Experiences

Particular Experience

Making for work experience of the firms shall be evaluated as per following criteria.

S. No.	Description	Max Marks
1	Experience of completion of projects of similar nature shall be evaluated as follows:- Atleast Two Projects of construction of RCC building structures along with associated Electrical work, having a minimum cost of Rs. 25 million or above for each project 10 marks for each completed project (Maximum 30 marks)	30
Total Marks	30	

Note:- Only project supported by completion certificates shall be considered.

See Form Under Additional Forms and Documents: **Past Construction Experiences** (page number: 200)

Contractor's Key Personnel Representative and Their Schedules

Personnel Capabilities

Making for personnel capabilities of the firms shall be evaluated on the basis of following criteria.

Sr. No.	Description	Maximum mark
1.	One BSc. Civil Engineer with min experience of 5 years	10
2.	One BSc Electrical Engineer with experience of 5 years.	5

3.	One DAE Civil, with minimum experience of 10 years	5
Total Marks	20	

Note:- CVs of staff are required to be attached.

Form A-2

1	Title of Position	BSc Civil Engineer
Name of Personnel		
2	Title of Position	BSc Electrical Engineer
Name of Personnel		
3	Title of Position	DAE (Civil)
Name of Personnel		

See Form Under Additional Forms and Documents: **Contractor's Key Personnel Representative and Their Schedules** (page number: 206)

Average Annual Turnover

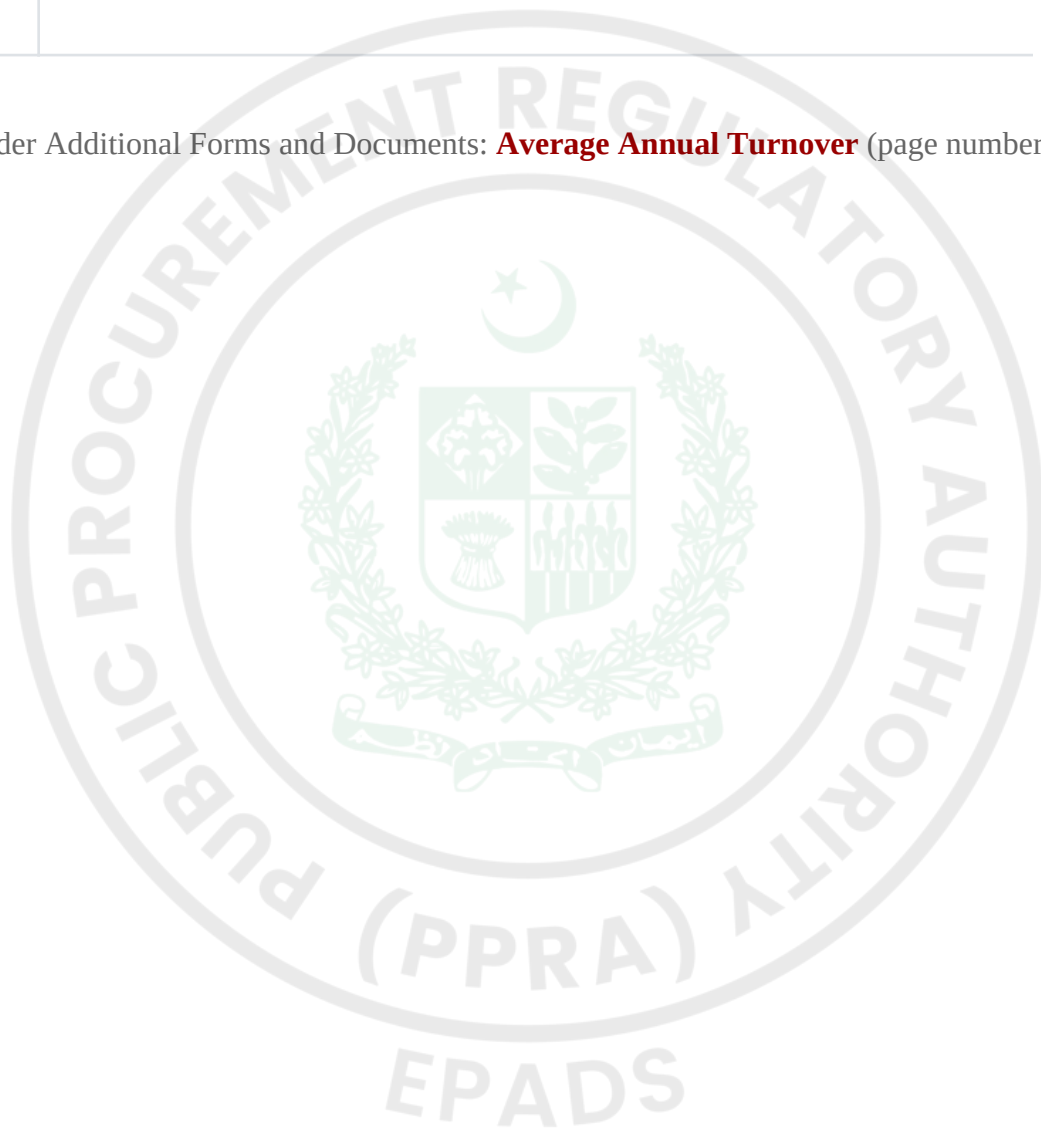
Financial Capabilities

Marking for financial position of the firm shall be evaluated on the basis of the following criteria.

Sr. No.	Description	Maximum Mark
---------	-------------	--------------

1.	Annual Turnover (during last Three Financial years i.e. 2022-23, 2023-24 and 2024-25. If Between 50.00 million and Rs. 70.00 million = 15 Marks Between Rs. 70.00 million and Rs. 100.00 million = 20 Marks More than Rs. 100.00 million = 30 marks	30
Total Marks	30	

See Form Under Additional Forms and Documents: **Average Annual Turnover** (page number: 210)







Additional Forms and Documents

M/s _____

PAKISTAN RAILWAYS



PEC BIDDING DOCUMENTS

FOR THE WORK OF

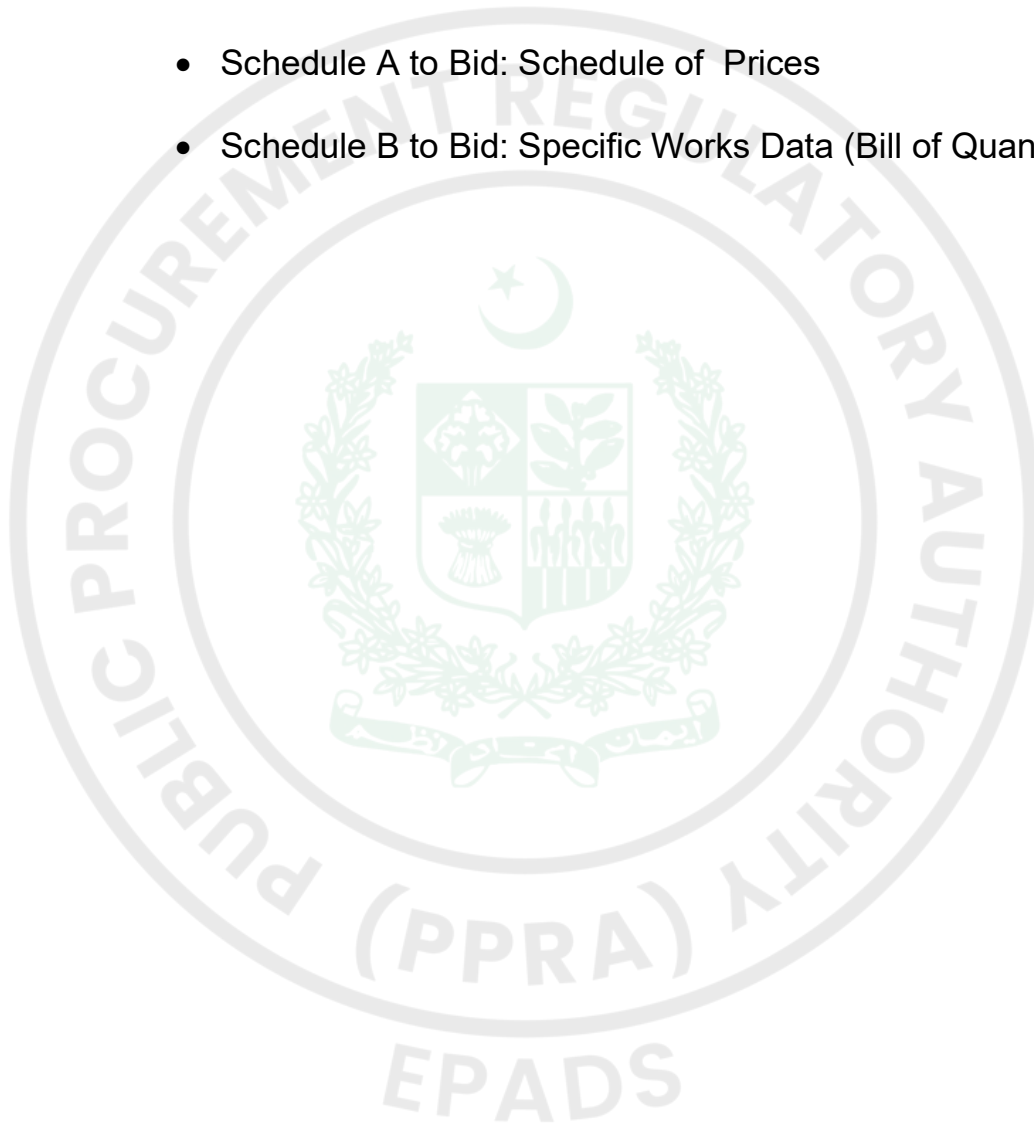
CONSTRUCTION OF DRIVER RUNNING ROOM AND
SPECIAL REPAIR OF GUARD RUNNING ROOM AT KOTRI,
INCLUDING ASSOCIATED ELECTRICAL WORKS AND
SOLARIZATION.

FINANCIAL BID

OFFICE OF THE
DIVISIONAL SUPERINTENDENT
PAKISTAN RAILWAYS
(Works Accounts Section)
KARACHI

[SCHEDULES TO BID INCLUDE THE FOLLOWING]

- Schedule A to Bid: Schedule of Prices
- Schedule B to Bid: Specific Works Data (Bill of Quantity)



SCHEDULE – A TO BID**SCHEDULE OF PRICES**

<u>S. No.</u>		<u>Page No.</u>
1.	Preamble to Schedule of Prices	4 to 5
2.	Schedule of Bid Prices	6 to 20

* [To be prepared by the Engineer/Employer]

PREAMBLE TO SCHEDULE OF PRICES

1. General

- 1.1 The Schedule of Prices shall be read in conjunction with the Conditions of Contract, Contract Data together with the Specifications and Drawings, if any.
- 1.2 The Contract shall be for the whole of the Works as described in these Bidding Documents. Bids must be for the complete scope of works.

2. Description

- 2.1 The general directions and descriptions of works and materials are not necessarily repeated nor summarized in the Schedule of Prices. References to the relevant sections of the Bidding Documents shall be made before entering prices against each item in the Schedule of Prices.

3. Units & Abbreviations

- 3.1 Units of measurement, symbols and abbreviations expressed in the Bidding Documents shall comply with the System International d'Unites (SI Units).

(Note: The abbreviations to be used in the Schedule of Prices to be defined by the Employer).

4. Rates and Prices

- 4.1 Except as otherwise expressly provided under the Conditions of Contract, the rates and amounts entered in the Schedule of Prices shall be the rates at which the Contractor shall be paid and shall be the full inclusive value of the works set forth or implied in the Contract; except for the amounts reimbursable, if any to the Contractor under the Contract.
- 4.2 Unless otherwise stipulated in the Contract Data, the rates and prices entered by the bidder shall not be subject to adjustment during the performance of the Contract.
- 4.3 All duties, taxes and other levies payable by the Contractor shall be included in the rates and prices.
- 4.4 The whole cost of complying with the provisions of the Contract shall be included in the items provided in the Schedule of Prices, 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 the Works and no separate payment will be made for those items. The rates, prices and amounts shall be entered against each item in the Schedule of Prices. Any item against which no rate or price is entered by the bidder will not be paid for by the Employer when executed and shall be deemed covered by the rates and prices for other items in the Schedule of Prices.

4.5 (a) The bidder shall be deemed to have obtained all information as to and all requirements related thereto which may affect the bid price.

*(b) The Contractor shall be responsible to make complete arrangements for the transportation of the Plant to the Site.

4.6 The Contractor shall provide for all parts of the Works to be completed in every respect. Notwithstanding that any details, accessories, etc. required for the complete installation and satisfactory operation of the Works, are not specifically mentioned in the Specifications, such details shall be considered as included in the Contract Price.

5. Bid Prices

5.1 Break-up of Bid Prices

The various elements of Bid Prices shall be quoted as detailed by the Employer in the format of Schedule of Prices.

The bidder shall recognize such elements of the costs which he expects to incur the performance of the Works and shall include all such costs in the rates and amounts entered in the Schedule of Prices.

5.2 Total Bid Price

The total of bid prices in the Schedule of Prices shall be entered in the Summary of Bid Prices.

6. Provisional Sums

6.1 Provisional Sums included and so designated in the Schedule of Prices if any, shall be expended in whole or in part at the direction and discretion of the Engineer/Employer. The Contractor will only receive payment in respect of Provisional Sums if he has been instructed by the Engineer/Employer to utilize such sums.

*(Employer may modify as appropriate)

PAKISTAN RAILWAYS
Divisional Office
Karachi

SUMMARY OF BID PRICES

(Total bid amount will be quoted by the bidder in the summary of bid prices)

Name of Work: **“CONSTRUCTION OF DRIVER RUNNING ROOM AND SPECIAL REPAIR OF GUARD RUNNING ROOM AT KOTRI, INCLUDING ASSOCIATED ELECTRICAL WORKS AND SOLARIZATION”**

Cost of Work: **Rs. 97,554,243/-**

Period of Completion: **Three Months**

Bill No.	Description	Total Amount (Rs)
(A)	Total Cost of Civil Works Schedule Items Based on Composite Schedule of Rate CSR-2016 as per bill of Quantity.	
(B)	Total Cost of Non Schedule Item of Civil Works.	
(C)	Total Cost of Electrical Schedule Items Based on Composite Schedule of Rate CSR-2021-22 as per bill of Quantity.	
(D)	Total Cost of Non Schedule Items Electric Works	
GRAND TOTAL BID PRICE (A+B+C+D) RS.		.
Total Bid Price (In words). _____ _____		

Bid security amounting to Rs. _____ in shape of Pay order/Call Deposit No. _____

Dated _____ is enclosed with the tender.

Signature of the bidder _____
(With official seal)

PAKISTAN RAILWAYS

Divisional Office

Karachi

SCHEDULE OF BID PRICES

(Total bid amount will be quoted by the bidder in the summary of bid prices)

(FORM OF BID)

(To be filled by the bidder)

Name of Work: **“CONSTRUCTION OF DRIVER RUNNING ROOM AND SPECIAL REPAIR OF GUARD RUNNING ROOM AT KOTRI, INCLUDING ASSOCIATED ELECTRICAL WORKS AND SOLARIZATION”**

(A) Civil Works - Schedule Items based on Composite Schedule of Rate (CSR-2016)

S. No.	Description	RATES	
		In Figure	In Words
A	Percentage rate on Pakistan Railways Composite Schedule of Rates (CSR-2016) as per Schedule of prices/Bill of Quantity. (Bidder shall quote the percentage rates only both in figure & Words)		
	Total amount of Schedule items as per CSR-2016.	18,564,013/-	(Rupees One Crore Eighty-Five Lacs Sixty-Four Thousand Thirteen Only.)
	Add percentage amount as quoted above.		
(A) Total Rs.			

NOTE:- Total (to be carried to Summary of Bid Price)

Signature of the bidder _____
(With official seal)

PAKISTAN RAILWAYS
Divisional Office
Karachi

SCHEDULE OF BID PRICES

(Total bid amount will be quoted by the bidder in the summary of bid prices)

(FORM OF BID)

(To be filled by the bidder)

(B) CIVIL WORKS - NON SCHEDULE (THROUGH RATE) ITEMS

S. No.	Description	Unit	Qty	Rate	Total
1	Wall Panelling (Through Rate)	Psft	6178		
2	Double Bib cock (Through Rate)	Each	12		
3	Providing & fixing Bath shower set (Through Rate)	Each	6		
4	Providing & Fixing Vanity (Through Rate)	Each	8		
5	Window Blind (Through Rate)	Psft	507		
6	Wooden Partitation with Lamination sheet (Through Rate)	Psft	3122		
7	Providing and fixing UPV Door as per requirement of site engineer (Through Rate)	Psft	1071		
8	Earth Work (Through Rate)	PCft	50000		
9	1500 GPD Ultra filtration Plant i. Vessel 13x54 FPR 2Nos ii. Multi Port Valve 1" 2 Nos iii. Sand 2Nos iv. Gravel 2Nos v. Activated Carbon (Sirilanka) 2 Nos vi. Jumbo Housing 20" (Taiwan) 2Nos viii. Uf Mambrane 4 x 40 2 Nos ix. Ultra Violet 36" Box (Single 2 NosTaiwan) 1 No x. Skid Plant Heavy Duty Ms 1 No xi. Feed Pumpe 1Hp 1No xii. Automatic Switch 1 No xiii. Complete Upvc Fitting SCH - 40 (steelex) 1 No xiv. Storage Tank (1500 Ltr) 1No	Each	1		
10	Single Bed along with Mattress and Pillow complete (T.R)	Each	48		

S. No.	Description	Unit	Qty	Rate	Total
12	Quilt/blanket alongwith bed sheet (T.R)	Each	48		
13	Dining table with 12 Nos of Chairs (T.R)	Each	4		
14	Dinner set, Water set, and Tea set (T.R)	Each	6		
15	Sofa set 07 seater with center table (T.R)	Each	6		

NOTE:- Total (to be carried to Summary of Bid Price)

Signature of the bidder _____
(With official seal)

PAKISTAN RAILWAYS

Divisional Office

Karachi

SCHEDULE OF BID PRICES

(Total bid amount will be quoted by the bidder in the summary of bid prices)

FORM OF BID

(To be filled by the bidder)

Name of Work: **“CONSTRUCTION OF DRIVER RUNNING ROOM AND SPECIAL REPAIR OF GUARD RUNNING ROOM AT KOTRI, INCLUDING ASSOCIATED ELECTRICAL WORKS AND SOLARIZATION”**

(C) ELECTRICAL WORKS - SCHEDULE ITEMS BASE ON COMPOSITE SCHEDULE OF RATE (CSR-2021-22)

SN	Description	RATES	
		In Figure	In Words
C	Electrical Works Percentage rate on Pakistan Railways Composite Schedule of Rates (CSR-2021-22) as per Schedule of prices/Bill of Quantity. (Bidder shall quote the percentage rates CSR-2021-22 only both in figure & Words)		
	Total amount of Schedule items as per CSR-2021-22.	3,251,030.40/-	(Rupees Thirty-Two Lacs Fifty-One Thousand Thirty and Forty Paisa Only)
	Add percentage amount as quoted above.		
(C) Total Rs.			

NOTE:- Total (to be carried to Summary of Bid Price)

Signature of the bidder _____
(With official seal)

PAKISTAN RAILWAYS
Divisional Office
Karachi

SCHEDULE OF BID PRICES

(Total bid amount will be quoted by the bidder in the summary of bid prices)

(FORM OF BID)

(To be filled by the bidder)

(D) ELECTRICAL WORKS – NON-SCHEDULE ITEMS

SN	Description	Qty	Unit	Rate	Total
1	Three-phase, four-core 95 mm ² Aerial Bundled Cable (ABC) for mains supply, comprising 3 phase conductors and 1 neutral conductor, XLPE insulated, suitable for 0.6/1 kV system voltage, with UV/weather-resistant insulation and suitable for outdoor overhead installation	630	Meter		
2	LED Wall mount/Ceiling Tube Light, 4 ft, 40 Watts, 220-240V AC, complete with all necessary hardware for installation, testing, and commissioning.	100	Each		
3	Supply and Installation of LED Down Light 30W, Recessed Type – 220-240V, 50Hz, round/square shape, for false ceilings. Warranty: 01-year replacement warranty	95	Each		
4	LED Down Light 18W, Recessed Type – 220-240V, 50Hz, round/square shape, for false ceilings. Warranty: 01-year replacement warranty	140	Each		
5	Modern Gold Rectangular LED Chandelier - Crystal Bubble Pendant Light for Dining Room, integrated LED, 220-240V, 50Hz, complete with driver, suspension kit and mounting accessories. Make: Philips/Opal or equivalent.	2	Each		
6	5-Light Wood Farmhouse Drum Chandelier for Sitting Room, 220-240V AC, 50Hz, complete with lamp holders, ceiling canopy, suspension kit, wiring and mounting accessories. Make: Oaks Aura/Philips/Opal or equivalent.	2	Each		
7	Modern Wall Mounted LED wall lamp, 220-240V, 50Hz, minimum 10W, complete with LED driver and mounting accessories. Make: Philips/Opal or equivalent.	55	Each		
8	Modern Exterior Wall Light, weather-resistant finish, 220-240V, 50Hz, minimum 12W, IP65, complete with driver and mounting accessories. Make: Philips/Opal or equivalent.	60	Each		
9	Double sided outdoor Wall Light 2 x 5w with up/down illumination, 220-240V, 50Hz, IP65, complete with driver and mounting accessories. Make: Philips/Opal or equivalent	70	Each		
10	Pillar/Gate Lamp with corrosion-resistant body, 220-240V, 50Hz, minimum 10W, complete with driver and mounting accessories. Make: Philips/Opal or equivalent	4	Each		
11	Modern LED Mirror Light 220-240V, 50Hz, complete with driver and mounting accessories. Make: Philips/Opal or equivalent.	4	Each		
12	Supply Installation, Testing and Commissioning of Switch Board Frame 3"x6" (China Fitting Type Switch Boards) – make GoodTop, Opal, Aqua or equivalent.	152	Each		
13	Supply Installation, Testing and Commissioning of Chinese fittings (Clipsal or equivalent) light control switch, Eight Gang Switch with Two Socket, 10 Amps, 250 Volts. Brands: Pakistan Railway Approved Brand.	67	Each		
14	Supply Installation, Testing and Commissioning of Chinese fittings (Clipsal or equivalent) Double side Universal Board 10 Amps, 250 Volts. Brands: Pakistan Railway Approved Brand.	85	Each		
15	Microwave Oven (25 Litres Capacity): High-capacity 25 Litres microwave oven suitable for continuous operation. The unit shall be equipped with digital touch control panel, LED display, multi-stage cooking options, defrost function, child safety lock, timer, and auto shut-off feature. Operating voltage: 220-240V AC, 50 Hz. Make: Homage, PEL, Canon, Dawlance, Haier, or equivalent. Warranty: Minimum one (01) year.	4	Each		
16	A double-door deep freezer: Capacity 18 Cubic feet. suitable for	2	Each		

SN	Description	Qty	Unit	Rate	Total
	continuous use. power supply:220-240V, 50Hz . Brand Haier, Dawlance, PEL, Kenwood, or an equivalent. Efficient and uniform cooling with a reliable, low-noise, energy-efficient compressor. Corrosion-resistant material of body with high-density insulation and durable door hinges to ensure proper sealing. The interior shall be made of food-grade material. It should be supplied all necessary installation accessories, and a 10-kW automatic voltage stabilizer with steel frame/angle iron stand. Warranty: Compressor – 03 years; electronic parts and PCB – 02 years.				
17	Modern Smart Inverter Refrigerator, Size/Cap: 16 Cubic Feet. Brand. PEL, Haier, Kenwood or equivalent Modern Smart Inverter Refrigerator, 16 Cubic Feet minimum capacity, with energy-efficient inverter compressor, digital temperature control, LED lighting. 220-240 V AC, 50 Hz. Brand: PEL, Haier, Kenwood or equivalent with standard warranty.	2	Each		
18	Three Tap Water Cooler – 100 Litre Capacity, Heavy-duty stainless-steel body, suitable for continuous public use. The unit shall include floor stand and all necessary fittings and accessories for complete installation and operation. Warranty: Compressor – 03 years; internal tank and valves – 01 year; electrical components – 01 year. Brand: Canon or equivalent	4	Each		
19	MOTOR-PUMP SET- Single Phase 2-HP 220-240 VAC, 50 Hz, electric copper wound electric motor with pump size 1" x 1¼", capable of continuous duty operation. The assembly shall include motor, pump, base frame, coupling, and all necessary accessories complete in all respects with insulation class "F" and protection class IP-55. Warranty: Minimum one (01) year for motor winding.	2	Each		
20	Electric Geyser (100 Litres Capacity, 2000 Watts): High-quality electric water heater with 100 litres storage capacity, designed for reliable and energy-efficient operation. The geyser shall have a 2000-watt heating element, suitable for 220-240V AC, 50 Hz power supply. Make: Canon, Haier, Nasgas, Super Asia, or equivalent (reputed brand). Warranty: Minimum one (01) year.	4	Each		
21	Automatic Hand Dryer, 1500-1800 Watts, touchless infrared/sensor operation, wall-mounted type, with automatic ON/OFF function, durable and corrosion-resistant body. Brand: Siemens or equivalent.	8	Each		
22	Three-Phase Four-Pole Manual Changeover Switch – 200 Amperes. Heavy-duty manual changeover switch rated 200 Amps, 415V AC, 50 Hz, suitable for three-phase four-wire distribution systems for transfer between main supply and standby supply. It shall be enclosed in a sheet steel, powder-coated housing with IP-54 protection, suitable for indoor or outdoor installation. Brands: Schneider Electric (France), ABB (Switzerland), Siemens (Germany), Hager (France), Terasaki (Japan), Millat (Pakistan), FICO (Pakistan), or equivalent approved make. Warranty: Minimum 12 months (1 year) warranty from date of commissioning.	2	JOB		
23	Supply Installation, Testing and Commissioning of Main Distribution Board (MDB) Fabricated from heavy gauge G.I / CRCA sheet steel, wall-mounted, powder-coated enclosure, dust and vermin proof (IP-54). such of size that it has 3 Horizontal rows and separate spot for main breaker, complete with locking glass door, internal wiring, and all necessary termination accessories. Electrical Arrangement: Incoming: • 01 No. MCCB 4-Pole 200A. Outgoing • 04 Nos. MCCB (4-Pole) 60~63 A • 8 Nos. MCB (2-Pole) 32 A • 12 Nos. MCB (1-Pole) 10 A • 02 Nos. RCCB (2-Pole) 63 A / 30 mA • HRC fuses for control. (Qty: As per Circuit Requirement) Metering & Indication: • 01 No. Digital Multifunction Meter (V, A, kW, kWh, PF, Hz) with. • 01 Set Phase Indicator Lamps (R, Y, B). • 01 Set Selector Switches for Volt/Amp Meter	1	JOB		

SN	Description	Qty	Unit	Rate	Total
	Installation: Main Distribution Board shall include all necessary accessories including, connecting strips, metallic bars etc. in all respects with wiring, testing, and commissioning. Approved Makes: Schneider, ABB, Siemens, Terasaki, or equivalent for MCCBs / MCBs. Warranty: Electrical components (MCCB/MCB/RCCB/Changeover) – 01 year; enclosure and fabrication – 01 year.				
24	Supply Installation, Testing and Commissioning of Main Distribution Board (MDB) Fabricated from heavy gauge G.I / CRCA sheet steel, wall-mounted, powder-coated enclosure, dust and vermin proof (IP-54). such of size that it has 3 Horizontal rows and separate spot for main breaker , complete with locking glass door, internal wiring, and all necessary termination accessories. Electrical Arrangement: Incoming: • 01 No. MCCB 4-Pole 200A. Outgoing Feeders: • 04 Nos. MCCB (4-Pole) 60~63 A • 14 Nos. MCB (2-Pole) 32 A • 14 Nos. MCB (1-Pole) 10 A • 02 Nos. RCCB (2-Pole) 63 A / 30 mA • HRC fuses for control. (Qty: As per Circuit Requirement) Metering & Indication: • 01 No. Digital Multifunction Meter (V, A, kW, kWh, PF, Hz) with. • 01 Set Phase Indicator Lamps (R, Y, B). • 01 Set Selector Switches for Volt/Amp Meter Installation: Main Distribution Board shall include all necessary accessories including, connecting strips, metallic bars etc. in all respects with wiring, testing, and commissioning. Approved Makes: Schneider, ABB, Siemens, Terasaki, or equivalent for MCCBs / MCBs. Warranty: Electrical components (MCCB/MCB/RCCB/Changeover) – 01 year; enclosure and fabrication – 01 year.	1	JOB		
25	(Driver Running Room) Solar Panels Rating: 610W or above ,12 Year Product, 25 Year Performance Warranty, IEC 61215 Certified. Brands: JA solar, CSI, Canadian Solar or Equivalent Tier 1.	As per System Capacity requirement	Each		
26	(Driver Running Room) Inverter Type: Three Phase HYBRID Inverter, IP-65 with built in DC and AC Surge Protection Devices, equipped with a built-in online monitoring system and Wi-Fi-enabling device (dongle). 10 years warranty. Manufacturing Brand: GoodWe, Huawei, Soils, Sungow or Equivalent Tier-1	As per System Capacity requirement	Each		
27	(Driver Running Room) DC Cables: 1C × 6 mm² or above size Copper, XLPE/XLPO insulated, UV/weather resistant, double insulated, 1.5 kV DC, suitable for solar PV applications, complete with compatible MC4 connectors and accessories. (lengths & size may vary on site;) Brands Newage, Allied, Fast, Pakistan Cables or equivalent	As per site requirement	Meter		
28	(Driver Running Room) AC Cables: 4C × 35 mm² Copper, XLPE insulated, 0.6/1 kV grade. (Cable size and length may vary as required based on site conditions). Complete in all respects. Brand: Newage / Fast Cables / Pakistan Cables or Equivalent.	As per site requirement	Meter		
29	(Driver Running Room) Dust Proof Powder Coated Metallic Distribution Box, indoor/outdoor, appropriate housing space, as per site requirements complete in all respects, IP 54 or higher.	1.00	Nos		
30	(Driver Running Room) Panel Mounting Structure: Heavy-duty ground-mounted solar panel structure, approximately 12 ft high, fabricated from minimum 3.0 mm primary and 2.5 mm	1.00	Job		

SN	Description	Qty	Unit	Rate	Total
	secondary structural steel, hot-dip galvanized, complete with mounting rails, brackets, fasteners, anchor bolts and RCC foundations, designed for applicable wind/environmental loads. Complete in all respects.				
31	(Driver Running Room) Protective Devices Required i. Three Phase Four Pole 200-A MCCB for Mains Supply from Utility. ii. Three phase Three/Four Pole MCBs for input side and output side of the inverter separately. iii. Three Phase Over/Under Voltage and Phase Sequence Protection Device on inverter input side and load side separately. iv. DC Two Pole Circuit breakers and Fuses for DC input to inverter and also between Battery/Batteries and Inverter v. SPDs, Isolators, Change Over Switch and Surge Arrestors Brand for Circuit Breakers: Schneider, Terasaki or Equivalent.	1.00	Job		
32	(Driver Running Room) Complete earthing system including copper-bonded/GI earth electrodes, earth pits with inspection chambers, earth conductors, earth busbar, clamps, lugs and all accessories. All PV structures, inverter, Distribution Boxes, cable trays and metallic parts shall be properly bonded. Earth resistance shall not exceed 5 Ohms. Complete in all respects and compliant with applicable IEC standards.	1.00	Job		
33	(Driver Running Room) Misc Items i.e PVC Pipe Flexible Cable Trays and Conduits Where Required Accessories and Misc. Items. 1. Cables Ducts 2. Cable Trays GI 3. Nut, bolts and etc. Complete in all respect to complete the project.	1.00	Job		
34	(Driver Running Room) Installation and Transportation Charges as per site requirement to complete the project in all respect.	1.00	Job		
35	(Driver Running Room) Net Metering - Application preparation, submission, processing at relevant DISCOs / NEPRA along with relevant Fee & Demand Notice for Electricity Meters - Application Handling, Processing - Protection Equipment - Disconnect Switches as per Electricity Inspector recommendation - Lightning Arrestor (s)	1.00	Job		
36	(Driver Running Room) Batteries: Lithium-ion Battery, Nominal voltage: 48 V. Rated capacity: 100-AH. This includes battery cables and allied accessories. Warranty: 05 Years. Brands: Narada, Solectra, Inverex, or equivalent reputed manufacturers.	6.00	Each		
37	(Guard Running Room) Solar Panels Rating: 610W or above ,12 Year Product, 25 Year Performance Warranty, IEC 61215 Certified. Brands: JA solar, CSI, Canadian Solar or Equivalent Tier 1.	As per System Capacity requirement	Each		
38	(Guard Running Room) Inverter Type: Three Phase HYBRID Inverter, IP-65 with built in DC and AC Surge Protection Devices, equipped with a built-in online monitoring system and Wi-Fi-enabling device (dongle). 10 years warranty. Manufacturing Brand: GoodWe, Huawei, Soils, Sungow or Equivalent Tier-1	As per System Capacity requirement	Each		
39	(Guard Running Room) DC Cables: 1C × 6 mm ² or above size Copper, XLPE/XLPO insulated, UV/weather resistant, double insulated, 1.5 kV DC, suitable for solar PV applications, complete with compatible MC4 connectors and	As per site requirement	Meter		

SN	Description	Qty	Unit	Rate	Total
	accessories. (lengths & size may vary on site;) Brands Newage, Allied, Fast, Pakistan Cables or equivalent				
40	(Guard Running Room) AC Cables: 4C × 35 mm ² Copper, XLPE insulated, 0.6/1 kV grade. (Cable size and length may vary as required based on site conditions). Complete in all respects. Brand: Newage / Fast Cables / Pakistan Cables or Equivalent.	As per site requirement	Meter		
41	(Guard Running Room) Dust Proof Powder Coated Metallic Distribution Box, indoor/outdoor, appropriate housing space, as per site requirements complete in all respects, IP 54 or higher.	1.00	Nos		
42	(Guard Running Room) Panel Mounting Structure: Heavy-duty ground-mounted solar panel structure, approximately 12 ft high, fabricated from minimum 3.0 mm primary and 2.5 mm secondary structural steel, hot-dip galvanized, complete with mounting rails, brackets, fasteners, anchor bolts and RCC foundations, designed for applicable wind/environmental loads. Complete in all respects.	1.00	Job		
43	(Guard Running Room) Protective Devices Required i. Three Phase Four Pole 200-A MCCB for Mains Supply from Utility. ii. Three phase Three/Four Pole MCBs for input side and output side of the inverter separately. iii. Three Phase Over/Under Voltage and Phase Sequence Protection Device on inverter input side and load side separately. iv. DC Two Pole Circuit breakers and Fuses for DC input to inverter and also between Battery/Batteries and Inverter v. SPDs, Isolators, Change Over Switch and Surge Arrestors Brand for Circuit Breakers: Schneider, Terasaki or Equivalent.	1.00	Job		
44	(Guard Running Room) Complete earthing system including copper-bonded/GI earth electrodes, earth pits with inspection chambers, earth conductors, earth busbar, clamps, lugs and all accessories. All PV structures, inverter, Distribution Boxes, cable trays and metallic parts shall be properly bonded. Earth resistance shall not exceed 5 Ohms. Complete in all respects and compliant with applicable IEC standards.	1.00	Job		
45	(Guard Running Room) Misc Items i.e PVC Pipe Flexible Cable Trays and Conduits Where Required Accessories and Misc. Items. 1. Cables Ducts 2. Cable Trays GI 3. Nut, bolts and etc. Complete in all respect to complete the project.	1.00	Job		
46	(Guard Running Room) Installation and Transportation Charges as per site requirement to complete the project in all respect.	1.00	Job		
47	(Guard Running Room) Net Metering - Application preparation, submission, processing at relevant DISCOs / NEPRA along with relevant Fee & Demand Notice for Electricity Meters - Application Handling, Processing - Protection Equipment - Disconnect Switches as per Electricity Inspector recommendation - Lightning Arrestor (s)	1.00	Job		
48	(Guard Running Room) Batteries: Lithium-ion Battery, Nominal voltage: 48 V. Rated capacity: 100-AH. This includes battery cables and allied accessories. Warranty: 05 Years. Brands: Narada, Solectra, Inverex, or equivalent reputed manufacturers.	6.00	Each		

SN	Description	Qty	Unit	Rate	Total
(D) Total Rs:-					

NOTE:- Total (to be carried to Summary of Bid Price)

Signature of the bidder _____
(With official seal)



SPECIFIC WORKS DATA

(To be prepared and incorporated by the Employer)

BILL OF QUANTITY

Name of Work: **“CONSTRUCTION OF DRIVER RUNNING ROOM AND SPECIAL REPAIR OF GUARD RUNNING ROOM AT KOTRI, INCLUDING ASSOCIATED ELECTRICAL WORKS AND SOLARIZATION”**

(A) CIVIL WORKS - SCHEDULE ITEMS BASED ON COMPOSITE SCHEDULE OF RATE (CSR-2016)

(i) CIVIL WORK - CONSTRUCTION OF DRIVER RUNNING ROOM AT KOTRI.

SN	Description	Unit	Qty	Rate	Amount
1	Structural excavation for foundation of buildings, bridges and other structures upto 5 ft (1.5 m) depth including dagbelling, dressing, refilling around structures with excavated earth, watering and ramming, lead upto 100 ft (30 m) complete in all respects. (b) In ordinary soil. (CSR-2016 Item No. 4.3.1-b)	%cft	11092.00	799.00	88,625.08
2	Providing and laying cement concrete with stone ballast 1-1/2" (40 mm) to 2" (50 mm) gauge in foundation and plinth:- (b) Ratio 1:4:8 (CSR-2016 Item No.5.2.1-b)	P.Cft	6625.00	151.00	1,000,375.00
3	Providing, laying and jointing pacca brick work in foundation and plinth in buildings or other than buildings using first class new bricks, raking of joints and curing as per drawings and specifications, complete in all respects in:- (b) Cement sand mortar 1:4 (CSR-2016 Item No. 6.1.1-b)	Pcft	5198.00	203.00	1,055,194.00
4	Providing and laying damp proof course of cement concrete 1:2:4 nominal mix (using cement, sand and shingle/crushed stone), including bitumen coating:- The rate includes overlaps of polythene sheet. (a) With one coat of bitumen 10/20 grade @ 19 lbs per 100 sft and polythene sheet 500 gauge. (b) with two coats of bitumen 10/20 grade @34 lbs/100 sft and ploythene sheet 500 gauge. (CSR-2016 Item No.5.3.1-b)	Sft	800.00	66.00	52,800.00
5	Providing, laying and jointing first class pacca brick work in ground floor for 9" (225 mm) to 13-1/2" (337 mm) thick walls including scaffolding, raking of joints & curing as per drawings & specifications complete in all respects in:- (CSR-2016 Item No. 6.1.3-b)		9094.00	209.00	1,900,646.00
6	Providing, laying and jointing first class pacca brick work in ground floor for 4-1/2" thick walls Including scaffolding, raking of joints and curing as per drawings and specifications complete in all respects in:- (CSR-2016 Item No. 6.5.1)	Pcft	244.00	224.00	54,656.00
7	Providing ,laying and jointing first class pacca brick work other than in buildings above foundations and plingth upto 10ft (3m) height including scaffolding, raking of joints and curing as per drawings and specifications, complete in all respects, in:- (CSR-2016 Item No. 6.4.1-b)	Pcft	3265.00	199.00	649,735.00
8	Providing and laying floor of imported porecelain glazed tiles of approved quality and shade / design, jointed in white cement with matching pigment and laid over 3/4" thick 1:2 cement sand mortar complete in all respects(ii) Tile size 24"x 24" (CSR-2016 Item No. 9.5.4-ii)	Psft	4291.00	264.00	1,132,824.00
9	Providing and laying dado/skirting of local porecelain glazed tiles of approved quality and shade / design, jointed in white cement with matching pigment and laid over 3/4" thick 1:2 cement sand mortar complete in all respects (CSR-2016 Item No. 9.5.8)	Psft	5200.00	190.00	988,000.00
10	Cement sand plaster 1:3 upto 20 ft (6 m) height:- (b) 1/2" Thick (CSR-2016 Item No. 10.3.2-b)	Psft	30500.00	23.90	728,950.00

SN	Description	Unit	Qty	Rate	Amount
11	Providing and fixing 1-1/2" thick sft 242 771 hollow flush doors & windows with commercial ply (3 ply) on both faces of deodar wood shutter frame 1-1/4" thick and deodar wood braces at about 4" apart and deodar wood lipping 1-1/2"x 3/8" fixed to deodar wood dolly frame of full width of jamb for 9" to 13-1/2" walls made of 2"x 1- 1/2" vertical battens and cross pieces at 6" c/c including commercial ply and deodar wood fillets, etc. complete in all respects. The rate also includes chromium plated fittings but excludes sliding bolts and lock (CSR-2016 Item No. 11.5.3)	Psft	354.00	771.00	272,934.00
12	Providing and fixing MS sheet 16 gauge chowkat, molded in the shape of wooden chowkat including application of bitumen compound inside the chowkat and filling it with CC 1:3:6 including cost of hold fast 2 Nos. round iron at bottom of chowkat complete in all respects as per instruction of Engineer Incharge (b) Size 2" x 10" (CSR-2016 Item No. 11.6.2-b)	Psft	354.00	128.00	45,312.00
13	Providing and fixing first class deodar wood wrought joinery work in wire gauze doors and windows with 22 SWG G.I. wire gauze, 12x12 meshes per square inch including iron fittings, wooden strips etc. complete in all respects.(b) Deodar wood framing 1-1/2" thick, with wire gauze fixed in position;(ii) With springs or spring hinges. (CSR-2016 Item No. 11.4.1-b)	Psft	354.00	556.00	196,824.00
14	Supplying and filling sand under floor (CSR-2016 Item No. 9.10.2)	PCft	11092.50	20.10	222,959.25
15	Preparing surface and painting of doors and windows, of type other than those under item 12.3.2 (including edges);(a) Priming coat (CSR-2016 Item No. 12.3.3-a)	Psft	1062.00	13.30	14,124.60
16	Preparing surface and painting of doors and windows, of type other than those under item 12.3.2 including edges); (b) Each subsequent coat of paint. (CSR-2016 Item No. 12.3.3-b)	Psft	1416.00	8.99	12,729.84
17	Providing and fixing, sliding bolt to doors, complete in all respects (b) Iron sliding bolt, 12" (300 mm) long 11.10.7-b)	Each	10.00	296.00	2,960.00
18	Providing & fixing aluminum windows sliding, consisting of chowkat of special type 'U' section 4"x1" and leaf with vertical styles 2"x1", 1-1/4" x 1" bottom rail 2-1/2"x1" and top rail 1-1/4"x1" including latch, screws, sliding wheels, 5 mm. glass sheet fixed with special rubber channel etc. complete in all respects as approved by the Engineer Incharge (CSR-2016 Item No. 13.9.2)	Pst	172.00	471.00	81,012.00
19	Providing and fixing aluminum wire gauze shutter to windows consisting of special type section 1-5/8"x1/2" with Aluminum wire gauze of 16x16 mesh per square inch fixed with special rubber channel including cost of wheels, screws, etc. complete as approved by the Engineer Incharge (CSR-2016 Item No. 13.9.3)	Psft	86.00	151.00	12,986.00
20	Priming coat of chalk under distemper. (CSR-2016 Item No. 10.6.1)	Psft	10760.00	2.19	23,564.40
21	Distemping:- (a) New surface: (iii) Three coat (CSR-2016 Item No. 10.6.2)	Psft	10760.00	13.46	144,829.60
22	Preparing surface and painting exteriors of buildings with weather shield paint:- (a) Priming coat (CSR-2016 Item No. 12.4.2-a)	Psft	8731.00	9.35	81,634.85
23	Preparing surface and painting exteriors of buildings with weather shield paint:- (b) Second and each subsequent coat (CSR-2016 Item No. 12.4.2-b)	Psft	8731.00	7.15	62,426.65
24	Preparing surface and painting guard bars, gates of iron bars, gratings, railing, boiler tube, tie bar and wooden fencing (including standards, braces, etc.) and in similar open work; (a) Priming coat (CSR-2016 Item No. 12.3.4-a)	Psft	200.00	8.05	1,610.00
25	Preparing surface and painting guard bars, gates of iron bars, gratings, railing, boiler tube, tie bar and wooden fencing (including standards, braces, etc.) and in similar open work;(b) Each subsequent coat of paint (CSR-2016 Item No. 12.3.4-b)	Psft	300.00	5.35	1,605.00
26	Providing and fixing steel grated doors with 1/16" thick sheeting, including angle iron frame 2" x 2" x3/8" and 3/4" square bars 4" centre to centre, with locking arrangement (CSR-2016 Item No. 13.5.2)	Psft	100.00	997.00	99,700.00

SN	Description	Unit	Qty	Rate	Amount
27	Providing and fixing false ceiling of Plaster of paris as per approved shade and design fixed/ laid on aluminum T-section size 1" x 1" x 1" x 1/8" hanged with aluminum string 1/16" dia fixed to rawl plug complete in all respect (CSR-2016 Item No. 11.12.3)	Psft	3516.00	159.00	559,044.00
28	Providing & laying reinforced cement concrete (including prestressed concrete), using coarse sand and crushed stone of approved quality / source, including mixing, transporting, placing, compacting, finish ing and curing etc. complete in all respect as per specification but excluding the cost of steel reinforcement, its fabrication and placing in position etc. (a) Reinforced cement concrete in roof slabs, beams, columns, lintels, girders & other structural members cast in-situ or prestressed members cast in-situ complete in all respect as per specifications, including the cost of form work, moulds and shuttering complete in all respects, on ground floor of the buliding and for structures upto 20 ft height (iii) Nominal mix 1:2:4 (CSR-2016 Item No. 5.7.1-a)	Pcft	4113.00	333.00	1,369,629.00
29	Fabrication of high tensile steel reinforcement conforming to ASTM A- 416 for prestressed (pre-tensioned) concrete work, including inserting wire in moulds, providing M.S. shear bars, spacers and lift hooks, male and female anchorage, tie down, struts, stressing cables, maintaining stress record and supply the same in approved proforma to the Engineer-incharge, cutting wires and projecting ends and making good recesses.etc. complete in all respects in accordance with the specifications. (CSR-2016 Item No. 5.6.3)	Pkg	14395.50	118.00	1,698,669.00
30	Providing and laying roof in ground floor with precast prestressed concrete girders & slabs obtained from approved manufacturers (Izhar or equivalent) including cement sand plaster 1/2" thick (1:3) on top and cement pointing (1:2) flush underneath, as per drawing & specification, complete in all respects and including all other charges (CSR-2016 Item No. 8.2.1)	Psft	80.00	140.00	11,200.00
31	Providing and laying roof insulation, comprising of single layer of tiles 9"x4-1/2"x1-1/2" grouted with cement sand mortar 1:3 laid over 2" thick earth (including 1" mud plaster) over thermopore sheet 1" thick , over polythene sheet 300 gaugeover a layer of bitumen coating at 34 lbs/100sft, as per specification and complete in all respects (CSR-2016 Item No. 8.1.6)	Psft	5000.00	103.00	515,000.00
32	Supplying and laying polythene sheet over DPC under floors and on roofs(a) 300 gauge (.003" thick) (CSR-2016 Item No. 5.3.3)	Psft	5000.00	4.00	20,000.00
33	Supplying and fixing in position 22 gauge G.I sheet gutter semi-circular 8" (200 mm) dia as per specification, complete in all respects. (CSR-2016 Item No. 8.7.8)	Each	32.00	180.00	5,760.00
34	Khuras on roof 2' x 2' x 1 1/2" of cement concrete (1:2:4) laid over 3" thick 1:4:8 concrete as per specifications, complete in all respects (CSR-2016 Item No. 8.7.2)	Each	8.00	641.00	5,128.00
35	Bottom Khurras on ground in size brick masonry in cement mortar 1:6, of size 4' x 2' x 4-1/2" laid over 3" cement concrete 1:4:8 as per specifications complete. (CSR-2016 Item No. 8.7.3)	Each	8.00	1049.00	8,392.00
36	Providing and fixing white / coloured glazed earthenware water closet squatter type combined with foot rest, 19" measured between flushing rims complete in all respects. (b) Coloured (CSR-2016 Item No. 20.1.3-b)	Each	4.00	2238.00	8,952.00
37	Providing and fixing glazed earthware water closet european type, of approved make/size, excluding seat & cover complete in all respects:-(b) Coloured (CSR-2016 Item No. 20.1.1-b)	Each	2.00	6872.00	13,744.00
38	Providing and fixing glazed earthen ware low down flushing cistern 3 gallons (13.63 litres) capacity, including bracket set, copper connection, etc. complete in all respects. (b) coloured (CSR-2016 Item No. 20.1.6-b)	Each	4.00	3030.00	12,120.00
39	Providing and fixing choricum plated soap dish complete (CSR-2016 Item No. 20.1.9)	Each	8.00	425.00	3,400.00
40	Providing and fixing looking glass 5 mm thick, neatly fitted on masonry walls etc., as per instructions of Engineer In-charge complete.(a) Looking glass (Class A) with deodar wood frame (CSR-2016 Item No. 20.1.13-a)	Psft	100.00	207.00	20,700.00

SN	Description	Unit	Qty	Rate	Amount
41	Supplying and fixing Muslim shower with flexible pipe 3 ft (1m) long complete.(b) Chromium Plated (CSR-2016 Item No. 20.1.18-b)	Each	8.00	1881.00	15,048.00
42	Providing and fixing, chromium plated stop cock, heavy of approved quality.(a) 3/4" (20mm) (CSR-2016 Item No. 20.3.1-a)	Each	8.00	1360.00	10,880.00
43	Providing & fixing, chromium plated bib cock of approved quality (a) 3/4" (20mm) dia (CSR-2016 Item No. 20.3.4-a)	Each	8.00	1085.00	8,680.00
44	Providing & fixing chromium plated mixing valve (large size), for wash hand basin, sink or shower of approved quality. (CSR-2016 Item No. 20.3.6)	Each	8.00	875.00	7,000.00
45	Providing and fixing, floor trap of cast iron, of approved quality including concrete chamber all round, and C.I. grating (b) 4" x 3" (100 mm x 75 mm) (CSR-2016 Item No. 20.3.10-b)	Each	16.00	615.00	9,840.00
46	Providing and fixing, 'P' trap, of approved quality including concrete chamber with G.I. grating:-(b) 4" (100 mm) glazed (CSR-2016 Item No. 20.3.11-b)	Each	8.00	1874.00	14,992.00
47	Providing and fixing, uPVC Pipes for Soil, Waste & Vent System (DADEX or equivalent) including cost of all specials complete in all respects(d) 110 mm (4-1/2") i/d (CSR-2016 Item No. 20.4.4-d)	Ft	190.00	599.00	113,810.00
48	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured by Dadex/Beta or equivalent) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications.(iv) 6" (150 mm) i/d (CSR-2016 Item No. 19.4.1-iv)	Ft	220.00	379.00	83,380.00
49	Providing, laying cutting, jointing, testing PPRC pipeline in walls/ trenches with pipes (confirming to DIN 8077/8078, PN 20 manufactured by Dadex/Beta or equivalent & fittings conforming to DIN 16962, PN25 of the same manufacturer) for cold/hot water supply systems including specials complete in all respect as per specifications.(i) 3/4" (20 mm) external dia, 32 mm internal dia (CSR-2016 Item No. 19.5.1-i)	Ft	400.00	111.00	44,400.00
50	Providing, laying cutting, jointing, testing PPRC pipeline in walls/trenches with pipes (confirming to DIN 8077/8078, PN 20 manufactured by Dadex/Beta or equivalent & fittings conforming to DIN 16962,PN25 of the same manufacturer) for cold/hot water supply systems including specials complete in all respect as per specifications. (ii) 1" (25 mm) external dia (CSR-2016 Item No. 19.5.1-ii)	Ft	400.00	149.00	59,600.00
51	Supplying and installation of vertical water storage tanks (polyethylene) blue (Dura or equivalent), complete in all respect, as per instructions of Engineer Incharge (d) Size 500 gln capacity(CSR-2016 Item No. 19.8.1-d)	Each	6.00	27864.00	167,184.00
52	Providing and fixing in position ward robe box type 2 ft deep made of lamination sheet including lamination board door shutters piano hinges, hawees handles, catchers, locks all labour and material complete. (CSR-2016 Item No. 11.7.3)	Psft	300.00	787.00	236,100.00
53	Providing and fixing, sliding bolt to doors, complete in all respects(b) Iron sliding bolt, 12" (300 mm) long (CSR-2016 Item No. 11.10.7)	Each	12.00	296.00	3,552.00
54	Providing and fixing paver tiles (7000 psi) unglazed of different colours manufactured by Izhar/ Envircrete, or equivalent, over 2" thick sand base, as per specifications and details given in the drawing, including providing,levelling and compacting sand and preparation of the surface prior to laying of pavers / interlocking tiles (b) 60 mm thick interlocking pavers (i) Grey/natural colour (CSR-2016 Item No. 9.9.1-b-i)	Psft	4136.00	67.50	279,180.00
55	Providing and laying road edging of 6" wide and 18" deep precast concrete kerb stone (1:2:4) of approved quality complete in all respect (CSR-2016 Item No. 17.5.2)	Ft	600.00	146.00	87,600.00
56	Trench excavation in open cutting for sewers and manholes chambers to the designed section, lines, grade and profile according to drawings & specifications and disposal of excavated material within 100 ft. (30m) and dressing in specified manner including shuttering, timbering and removing surface water, in all types of soil, except shingle, gravel and rock:-(a) 0 ft to 5.0 ft (0 to 1.52 m) depth. (CSR-2016 Item No. 4.3.6-a)	%cft	1625.00	648.00	10,530.00

SN	Description	Unit	Qty	Rate	Amount
57	Back filling of excavated earth in trenches in all types of soil including dressing, levelling, compaction, etc. and lead upto one chain. (CSR-2016 Item No. 4.3.8)	% cft	275.00	460.00	1,265.00
58	Providing cement concrete plain using coarse sand and screened graded & washed aggregate of approved quality including placing compacting, finishing, curing, complete as per specifications without shuttering on ground floor of buliding and for structrues up to 20ft height (a) Nominal mix 1:2:4 (CSR-2016 Item No. 5.4.1-a)	Pcft	157.00	208.00	32,656.00
59	Supplying, laying, cutting and jointing in position low pressure sui gas pipe line for internal fittings (G.I. Pipe, class medium of IIL) complete in all respect as per specification(a) 1/2" (12.5 mm) dia (CSR-2016 Item No. 22.2.1-a)	Ft	200.00	65.90	13,180.00
60	Supplying, laying, cutting, jointing and welding in position high pressure sui gas pipe line (class medium of IIL or equivalent) wrapped with fiber sheet & coated with approved bitumen compound complete in all respect as per specification a) 1" (25 mm) dia Pipe (M.S. Pipe 8 SWG). (CSR-2016 Item No. 22.2.1-a)	Ft	300.00	99.00	29,700.00
61	Providing and fixing in position Sui gas water heater best quality manufacturer with fittings including thermostat, safty valve etc.:(c) 55 Gallon capacity. (CSR-2016 Item No. 22.1.1-c)	Each	4.00	33968.00	135,872.00
62	Supplying and fixing in position approved quality Sui Gas cooking range (a) Three Burners. (CSR-2016 Item No. 22.3.6-a)	Each	2.00	17963.00	35,926.00
63	Supplying and fixing in position approved quality Sui Gas cooking range (b) Five Burners. (CSR-2016 Item No. 22.3.6-b)	Each	2.00	20163.00	40,326.00
64	Supplying and fixing in position approved quality ball valve (Kitz Japan):- (a) 1/2" dia. (CSR-2016 Item No. 22.4.1-a)	Each	6.00	836.00	5,016.00
65	Supplying and fixing in position approved quality ball valve (Kitz Japan):- (c) 1" dia. (CSR-2016 Item No. 22.4.1-c)	Each	6.00	1221.00	7,326.00
66	Providing and fixing stainless steel sink, including bracket set, waste pipe and waste coupling, etc. complete:- (b) with double drain board size 150 x 60 cm (60"x24") (CSR-2016 Item No. 20.2.2)	Each	2.00	15766.00	31,532.00
67	Providing & fixing chromium plated mixing valve (large size), for wash hand basin, sink or shower of approved quality. (CSR-2016 Item No. 20.3.6)	Each	3.00	875.00	2,625.00
68	Providing and fixing kitchen wall cabinet made of lamination board including all labour and material C.P. Brass mongrey and fittings etc. complete (CSR-2016 Item No. 11.7.5)	SFt	120.00	764.00	91,680.00
69	Providing and laying marble stone slab 1" thick in kitchen, staircase etc., laid in white cement mortar with matching color pigment over 3/4" thick base of cement sand mortar 1:2, including jointing, curing, rubbing and polishing complete in all resrects (CSR-2016 Item No. 9.6.2)	Psft	200.00	337.00	67,400.00
70	Providing, laying and fixing pacca Guttka bricks of first quality laid in 1:2 cement sand mortar supported with nails, including affolding, raking of joints and curing as per drawing and specifications complete in all respects. (CSR-2016 Item No. 6.6.1-a)	Pcft	8000.00	143.00	1,144,000.00
71	Providing and laying roof in ground floor with precast prestressed concrete girders & slabs obtained from approved manufacturers (Izhar or equivalent) including cement sand plaster 1/2" thick (1:3) on top and cement pointing (1:2) flush underneath, as per drawing & specification, complete in all respects and including all other charges (CSR-2016 Item No. 8.2.1)	Psft	80.00	140.00	11,200.00
72	Providing and laying cement concrete (1:2:4) on roof top to required slope including ramming, finishing, smoothing and curing etc. as per specification and complete in all respects. (CSR-2016 Item No. 8.1.1)	Pcft	1100.00	195.00	214,500.00
73	Providing and fixing barbed wire fencing with 4 horizontal and 2 number cross wires fixed with posts of R.C.C. 1:2:4 straining posts 7' x 9"x 9" at 100 centre to centre stiffening posts 7"x6"x6" at 50 ft. interval and intermediate post 7' x 5" x 5" at 8 ft. centre to centre, including cost of steel, its fabrication and placing of steel reinforcement, eye bolts, washers, etc. Also including base concrete (1:2:4) with shuttering and excavation as per P.R. Type No. F-64 complete. (CSR-2016 Item No. 13.10.3)	Ft	376.00	126.00	47,376.00

SN	Description	Unit	Qty	Rate	Amount
74	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1-1/2:3, with spigot, socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part-I, 1981 Class "L" including carriage, lowering in trenches to correct alignment and grade, jointing, cutting pipe where necessary, finishing and testing, etc. complete:-(c) 9" (225 mm) i/d (CSR-2016 Item No. 21.1.1-c)	Ft	200.00	276.00	55,200.00
75	Supplying and installation of Goldmatic water pumps complete in all respect, as per instructions of Engineer Incharge (c) Model G3, 2 H.P motor. 27 m suction & 35 m head (non automatic) (d) Model G4, 2.5 H.P motor. 38 m suction & 38 m head (non automatic) (CSR-2016 Item No. 19.7.1-d)	Each	2.00	19580.00	39,160.00
76	Providing and fixing bath room accessories set consisting of looking glass, shelf, towel rail, towel ring, toilet paper holder, soap dish and brush holder complete in all respects and as per instructions of Engineer Incharge. (c) Chrome Gold (CSR-2016 Item No. 20.1.24-c)	Each	14.00	17412.00	243,768.00
77	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of B.S.S. Class 'B working pressure ' (medium quality IIL or equivalent) including specials and valves etc. complete as per specifications (CSR-2016 Item No. 19.3.1-f)	Ft	300.00	241.00	72,300.00
78	Supply & erection of rain water down pipe UPVC including heads & shoes complete in all respect as per instructions of Engineer including cost of clamp holdfast, complete in all respects. (b) 100 mm (4") dia pipe. (CSR-2016 Item No. 8.7.11-b)	ft	200.00	496.00	99,200.00
79	Providing and laying 1/2" thick marble stone tiles dado or skirting in white cement with matching color pigment, laid on 1/2" thick base of cement sand mortar 1:2, including jointing, curing, rubbing and hemical polishing complete in all respects (b) Ziarat White (CSR-2016 Item No. 9.6.5-b)	Psft	200.00	135.00	27,000.00
80	Providing and fixing handle lock of approved make/quality (CSR-2016 Item No. 11.2.4)	Each	10.00	1229.00	12,290.00
81	Providing & fixing Khaprail tiles on roofs, laid in cement sand mortar 1:3, including jointing, curing, etc. complete in all respects as per drawings and as per instructions of Engineer Incharge. (CSR-2016 Item No. 8.1.10-a)	Psft	4000.00	94.60	378,400.00
82	Providing and fixing M.S. flat 1/2" x 1/8" or M.S. Square 1/4" x 1/4" grill in windows, of approved design, including painting 3 coats, complete in all respects (CSR-2016 Item No. 13.7.1)	Psft	172.00	320.00	55,040.00
83	Providing and fixing "6 thick R.C.C. manhole cover with 3" x 3" x 1/4" angle iron frame 22" i/d as per H.Q.E. Sketch No.3297 complete in all respects. (CSR-2016 Item No. 21.5.1)	Each	12.00	1500.00	18,000.00
84	Providing & fixing, gun metal gate valve (screwed) of approved quality.(a) 1-1/4" (30 mm) dia. (CSR-2016 Item No. 20.3.7-a)	Each	3.00	501.00	1,503.00
85	Supplying and fixing in position approved quality fittings of Sui Gas appliances (b) Black pipe for double burner (CSR-2016 Item No. 22.3.8-b)	Ft	50.00	78.00	3,900.00
TOTAL Rs.					17249872.27

(B) CIVIL WORK NON SCHEDULE ITEMS

SN	Description	Unit	Qty
1	Wall Panelling (Through Rate)	Psft	3775
2	Double Bib cock (Through Rate)	Each	12
3	Providing & fixing Bath shower set (Through Rate)	Each	6
4	Providing & Fixing Vanity (Through Rate)	Each	8
5	Window Blind (Through Rate)	Psft	195
6	Wooden Partitation with Lamination sheet (Through Rate)	Psft	1638

SN	Description	Unit	Qty
7	Providing and fixing UPV Door as per requirement of site engineer (Through Rate)	Psft	630
8	Earth Work (Through Rate)	PCft	50000
9	1500 GPD Ultra filtration Plant i. Vessel 13x54 FPR 2Nos ii. Multi Port Valve 1" 2 Nos iii. Sand 2Nos iv. Gravel 2Nos v. Activated Carbon (Sirilanka) 2 Nos vi. Jumbo Housing 20" (Taiwan) 2Nos viii. Uf Mambrane 4 x 40 2 Nos ix. Ultra Violet 36" Box (Single 2 NosTaiwan) 1 No x. Skid Plant Heavy Duty Ms 1 No xi. Feed Pumpe 1Hp 1No xii. Automatic Switch 1 No xiii Complete Upvc Fitting SCH - 40 (steelex) 1 No xiv. Storage Tank (1500 Ltr) 1No	Each	1
10	Single Bed along with Mattress and Pillow complete (T.R)	Each	24
11	Quilt/blanket alongwith bed sheet (T.R)	Each	24
12	Dining table with 12 Nos of Chairs (T.R)	Each	2
13	Dinner set, Water set, and Tea set (T.R)	Each	3
14	Sofa set 07 seater with center table (T.R)	Each	3

(ii) **SPECIAL REPAIR TO GUARD RUNNING ROOM AT KOTRI.**

SN	Description	Unit	Qty	Rate	Amount
1	Removing wooden doors and windows:-(a) Removing wooden door with chowkat CSR-2016 Item No. 1.6.1 (a)	% sft	28	1337.00	374.36
2	(b) Removing wooden window and sky lights with chowkat. CSR-2016 Item No. 1.6.1 (b)	% sft	156	968.00	1,510.08
3	Removing cement sand plaster from walls. CSR-2016 Item No. 1.9.3	% sft	1602	194.00	3,107.88
4	Removing Color wash / white wash CSR-2016 Item No. 1.9.5	% Sft	3245	116.00	3,764.20
5	Providing and laying cement concrete with stone ballast 1-1/2" (40 mm) to 2" (50 mm) gauge in foundation and plinth:- (b) Ratio 1:4:8 CSR-2016 Item No. 5.2.1 (b)	P.Cft	2610	151.00	394,110.00
6	Providing and fixing RCC fencing on Platform complete in all respect as per HQE sketch no. H.Q.E Plan No.29537 (F-54) Type CSR-2016 Item No. 5.11.6	Ft	168	144.00	24,192.00
7	Cement sand plaster 1:3 upto 20 ft (6 m) height:- (b) 1/2" Thick CSR-2016 Item No. 10.3.2 (b)	Psft	1602	23.90	38,287.80
8	Providing and fixing 1-1/2" thick sft 242 771 hollow flush doors & windows with commercial ply (3 ply) on both faces of deodar wood shutter frame 1-1/4" thick and deodar wood braces at about 4" apart and deodar wood lipping 1-1/2"x 3/8" fixed to deodar wood dolly frame of full width of jamb for 9" to 13-1/2" walls made of 2"x 1- 1/2" vertical battens and cross pieces at 6" c/c including commercial ply and deodar wood fillets, etc. complete in all respects. The rate also includes chromium plated fittings but excludes sliding bolts and lock CSR-2016 Item No. 11.5.3	Psft	54	771.00	41,634.00
9	Providing and fixing MS sheet 16 gauge chowkat, molded in the shape of wooden chowkat including application of bitumen compound inside the chowkat and filling it with CC 1:3:6 including cost of hold fast 2 Nos. round iron at bottom of chowkat complete in all respects as per instruction of Engineer Incharge (b) Size 2" x 10" CSR-2016 Item No. 11.6.2 (b)	Psft	54	128.00	6,912.00

SN	Description	Unit	Qty	Rate	Amount
10	Preparing surface and painting of doors and windows, of type other than those under item 12.3.2 (including edges);(a) Priming coat CSR-2016 Item No.12.3.3(a)	Psft	128	13.30	1,702.40
11	Preparing surface and painting of doors and windows, of type other than those under item 12.3.2 including edges); (b) Each subsequent coat of paint. CSR-2016 Item No.12.3.3(b)	Psft	128	8.99	1,150.72
12	Providing and fixing aluminum windows sliding, consisting of chowkat of special type 'U' section 4"x1" and leaf with vertical styles 2"x1", 1-1/4" x 1" bottom rail 2-1/2"x1" and top rail 1-1/4"x1" including latch, screws, sliding wheels, 5 mm. glass sheet fixed with special rubber channel etc. complete in all respects as approved by the Engineer Incharge CSR-2016 Item No.13.9.2	Pst	156	471.00	73,476.00
13	Providing and fixing aluminum wire gauze shutter to windows consisting of special type section 1-5/8"x1/2" with Aluminum wire gauze of 16x16 mesh per square inch fixed with special rubber channel including cost of wheels, screws, etc. complete as approved by the Engineer Incharge CSR-2016 Item No.13.9.3	Psft	78	151.00	11,778.00
14	Providing and fixing false ceiling of Plaster of paris as per approved shade and design fixed/ laid on aluminum T-section size 1" x 1" x 1" x 1/8" hanged with aluminum string 1/16" dia fixed to rawl plug complete in all respect CSR-2016 Item No. 11.12.3	Psft	1107	159.00	176,013.00
15	Providing and fixing paver tiles (7000 psi) unglazed of different colours manufactured by Izhar/ Envircrete, or equivalent, over 2" thick sand base, as per specifications and details given in the drawing, including providing,levelling and compacting sand and preparation of the surface prior to laying of pavers / interlocking tiles (b) 60 mm thick interlocking pavers(b) 60 mm thick interlocking pavers CSR-2016 Item No.9.9.1(b-i)	Psft	5220	67.50	352,350.00
16	Providing and laying road edging of 6" wide and 18" deep precast concrete kerb stone (1:2:4) of approved quality complete in all respect CSR-2016 Item No.17.5.2	Ft	900	146.00	131,400.00
17	Providing and fixing handle lock of approved make/quality CSR-2016 Item No.11.2.4	Each	2	1229.00	2,458.00
18	Providing and fixing M.S. flat 1/2" x 1/8" or M.S. Square 1/4" x 1/4" grill in windows, of approved design, including painting 3 coats, complete in all respectsCSR-2016 Item No.13.7.1	Psft	156	320.00	49,920.00
TOTAL Rs.					1314140.44

(B) CIVIL WORK NON SCHEDULE ITEMS

SN	Description	Unit	Qty
1	Wall Panelling (Through Rate)	Psft	2403
2	Window Blind (Through Rate)	Psft	312
3	Wooden Partitation with Lamination sheet (Through Rate)	Psft	1484
4	Providing and fixing UPV Door as per requirement of site engineer (Through Rate)	Psft	441
5	Single Bed along with Mattress and Pillow complete	Each	24
6	Quilt/blanket alongwith bed sheet	Each	24
7	Dining table with 12 Nos of chairs	Each	2
8	Dinner set, Water set, and Tea set	Each	3
9	Sofa set 07 seater with center table	Each	3

SPECIFIC WORKS DATA

(To be prepared and incorporated by the Employer)

BILL OF QUANTITY OF SCHEDULE/NON SCHEDULE ITEMS

Name of Work: **“CONSTRUCTION OF DRIVER RUNNING ROOM AND SPECIAL REPAIR OF GUARD RUNNING ROOM AT KOTRI, INCLUDING ASSOCIATED ELECTRICAL WORKS AND SOLARIZATION”**

(C) ELECTRICAL WORKS SCHEDULE ITEMS BASED ON COMPOSITE SCHEDULE OF RATE 2021-22**C-(i) ELECTRICAL WORK - CONSTRUCTION OF DRIVER RUNNING ROOM AT KOTRI.**

SN	Description	Qty	Unit	Rate	Total
1	Supply & erection of PVC pipes (Size: 3/4") including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface. Complete with all accessories for recessed wiring in walls. According to CSR Item No. 1.3.1.[b(ii)]. Brands: Pakistan Railway Approved Brand.	1,800	Meter	70.96	127,728.00
2	Supply & erection of single core PVC Copper conductor cable 3/0.029" size, 600/1100 volts in prelaidd PVC Pipes, M.S Conduits, GI Pipe/in trenches. According to CSR Item No. 2.1.1(a). Brands: Pakistan Railway Approved Brand.	3,600	Meter	32.98	118,728.00
3	Supply & erection of single core PVC Copper conductor cable 7/0.029" size, 600/1100 volts in prelaidd PVC Pipes, M.S Conduits, GI Pipe/in trenches. According to CSR Item No. 2.1.1(c). Brands: Pakistan Railway Approved Brand.	1,260	Meter	52.83	66,565.80
4	PVC Copper cable 7/.044" size, (Single Core, 450/750V) flame retardant, for heavy-duty electrical connections, conforming to BS-6004. make Fast cable, Pakistan cable or equivalent. According to CSR Item No. 2.1.1(e)	1,080	Meter	93.90	101,412.00
5	Supply of LED based Lamp/bulb 30 watt. According to CSR Item No. 5.3.1(d). Brands: Pakistan Railway Approved Brand. Warranty: 01-year replacement warranty	40	Each	600.00	24,000.00
6	Supply and erection of LED road/flood light, 100 Watts, 220-240 VAC, 50 Hz, fittings complete with drivers including SPD, with fixing mechanism, with built-in surge protection, IP-66 rating. According to CSR Item No. 6.1.1(b). Warranty: Minimum 01 year.	25	Each	6,000.00	150,000.00
7	Supply and erection of 3-Pin switch & plug combined (Power Plug) 30 Amps, recessed type with porcelain base including its frame for recessed fitting. According to CSR Item No. 5.1.8(c).	34	Each	285.00	9,690.00
8	Supply and erection of Lamp Holder (Pin or Screw Type). According to CSR Item No. 5.1.9(a).	40	Each	65.00	2,600.00
9	Supply and installation of chinese fittings (Clipsal or equivalent) light control switch, Three Gang Switch with One Socket, 10 Amps, 250 Volts one way, including its frame, testing and commissioning complete in all respects. According to CSR Item No. 12.4.1(d). Brands: Pakistan Railway Approved Brand.	52	Each	672.00	34,944.00
10	Supply and erection of AC Ceiling Fan 56" Sweep, Waterproof, Copper Winding – Double ball bearing, 220-240V 50HZ, . According to CSR Item No. 7.1.1(b). Brands: Pakistan Railway Approved Brand. Warranty: 02-year Motor and Winding warranty.	18	Each	5,500.00	99,000.00
11	AC bracket fan (plastic body) 18"sweep complete in all respect make Royal, GFC, Younis, Pak fan or equivalent according to CSR item No.7.1.2(b).	30	Each	4,200.00	126,000.00
12	Supply and erection of AC exhaust fan 12"sweep, 220-240V, 50Hz, metallic body with louver complete in all respect . According to CSR Item No. 7.1.3(a). Brands: Pakistan Railway Approved Brand. Warranty: 02-year Motor and Winding warranty.	10	Each	2,850.00	28,500.00
13	Supply and erection of AC exhaust fan 18"sweep, 220-240V, 50Hz, metallic body with louver complete in all respect . According to CSR Item No. 7.1.3(c). Brands: Pakistan Railway Approved Brand. Warranty: 02-year Motor and Winding warranty.	2	Each	4,250.00	8,500.00
14	Supply and erection of Inverter Split Air Conditioner 1.5-Ton – Cooling capacity 18000 BTU/h, 220-240V, R407/R22 refrigerant, make Gree, Kenwood or equivalent. Unit shall be supplied with all necessary installation accessories. According to CSR Item No. 12.6.2. Brands: Pakistan Railway Approved Brand. Warranty: Compressor – 03 years; electronic parts and PCB – 02 years.	10	Each	98,040.00	980,400.00
15	Supply and erection of galvanized iron earth pipe size 10"x2" (Medium) for	2	Each	5,000.00	10,000.00

SN	Description	Qty	Unit	Rate	Total
	earthing connection with hard drawn bare copper conductor 8 SWG and earth pit size 12"x12"x8" containing mixture of salt and charcoal. Earth resistance ≤ 1 ohms, as per PR standards. According to CSR Item No. 8.5.1.				
Total Rs:-					1,888,067.8



C-(ii) ELECTRICAL WORK - SPECIAL REPAIR OF GUARD RUNNING ROOM AT KOTRI.

SN	Description	Qty	Unit	Rate	Total
1	Supply & erection of PVC pipes (Size: 3/4") including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface. Complete with all accessories for recessed wiring in walls. According to CSR Item No. 1.3.1.[b(ii)]. Brands: Pakistan Railway Approved Brand.	1350	Meter	70.96	95,796.00
2	Supply & erection of single core PVC Copper conductor cable 3/0.029" size, 600/1100 volts in pre-laid PVC Pipes, M.S Conduits, GI Pipe/in trenches. According to CSR Item No. 2.1.1(a). Brands: Pakistan Railway Approved Brand.	2700	Meter	32.98	89,046.00
3	Supply & erection of single core PVC Copper conductor cable 7/0.029" size, 600/1100 volts in pre-laid PVC Pipes, M.S Conduits, GI Pipe/in trenches. According to CSR Item No. 2.1.1(c). Brands: Pakistan Railway Approved Brand.	720	Meter	52.83	38,037.60
4	PVC Copper cable 7/.044" size, (Single Core, 450/750V) flame retardant, for heavy-duty electrical connections, conforming to BS-6004. make Fast cable, Pakistan cable or equivalent. According to CSR Item No. 2.1.1(e)	720	Meter	93.90	67,608.00
5	Supply of LED based Lamp/bulb 30 watt. According to CSR Item No. 5.3.1(d). Brands: Pakistan Railway Approved Brand. Warranty: 01-year replacement warranty	20	Each	600.00	12,000.00
6	Supply and erection of LED road/flood light, 100 Watts, 220-240 VAC, 50 Hz, fittings complete with drivers including SPD, with fixing mechanism, with built-in surge protection, IP-66 rating. According to CSR Item No. 6.1.1(b). Warranty: Minimum 01 year.	20	Each	6,000.00	120,000.00
7	Supply and erection of 3-Pin switch & plug combined (Power Plug) 30 Amps, recessed type with porcelain base including its frame for recessed fitting. According to CSR Item No. 5.1.8(c).	35	Each	285.00	9,975.00
8	Supply and erection of Lamp Holder (Pin or Screw Type). According to CSR Item No. 5.1.9(a).	20	Each	65.00	1,300.00
9	Supply and installation of chinese fittings (Clipsal or equivalent) light control switch, Three Gang Switch with One Socket, 10 Amps, 250 Volts one way, including its frame, testing and commissioning complete in all respects. According to CSR Item No. 12.4.1(d). Brands: Pakistan Railway Approved Brand.	35	Each	672.00	23,520.00
10	Supply and erection of AC Ceiling Fan 56" Sweep, Waterproof, Copper Winding - Double ball bearing, 220-240V 50HZ, . According to CSR Item No. 7.1.1(b). Brands: Pakistan Railway Approved Brand. Warranty: 02-year Motor and Winding warranty.	16	Each	5,500.00	88,000.00
11	AC bracket fan (plastic body) 18"sweep complete in all respect make Royal, GFC, Younis, Pak fan or equivalent according to CSR item No.7.1.2(b).	24	Each	4,200.00	100,800.00
12	Supply and erection of AC exhaust fan 12"sweep, 220-240V, 50Hz, metallic body with louver complete in all respect . According to CSR Item No. 7.1.3(a). Brands: Pakistan Railway Approved Brand. Warranty: 02-year Motor and Winding warranty.	6	Each	2,850.00	17,100.00
13	Supply and erection of AC exhaust fan 18"sweep, 220-240V, 50Hz, metallic body with louver complete in all respect . According to CSR Item No. 7.1.3(c). Brands: Pakistan Railway Approved Brand. Warranty: 02-year Motor and Winding warranty.	2	Each	4,250.00	8,500.00
14	Supply and erection of Inverter Split Air Conditioner 1.5-Ton - Cooling capacity 18000 BTU/h, 220-240V, R407/R22 refrigerant, make Gree, Kenwood or equivalent. Unit shall be supplied with all necessary installation accessories. According to CSR Item No. 12.6.2. Brands: Pakistan Railway Approved Brand. Warranty: Compressor - 03 years; electronic parts and PCB - 02 years.	7	Each	98,040.00	686,280.00
15	Supply and erection of galvanized iron earth pipe size 10"x2" (Medium) for earthing connection with hard drawn bare copper conductor 8 SWG and earth pit size 12"x12"x8" containing mixture of salt and charcoal. Earth resistance ≤1 ohms, as per PR standards. According to CSR Item No. 8.5.1.	1	Each	5,000.00	5,000.00
				Total Rs:-	1,362,962.6

(D) ELECTRICAL WORKS NON SCHEDULE ITEMS**D-(i) ELECTRICAL WORK (Non-SCHEDULE ITEMS) - CONSTRUCTION OF DRIVER RUNNING ROOM AT KOTRI**

SN	Description	Qty	Unit
1	Three-phase, four-core 95 mm ² Aerial Bundled Cable (ABC) for mains supply, comprising 3 phase conductors and 1 neutral conductor, XLPE insulated, suitable for 0.6/1 kV system voltage, with UV/weather-resistant insulation and suitable for outdoor overhead installation	430	Meter
2	LED Wall mount/Ceiling Tube Light, 4 ft, 40 Watts, 220-240V AC, complete with all necessary hardware for installation, testing, and commissioning.	60	Each
3	Supply and Installation of LED Down Light 30W, Recessed Type – 220-240V, 50Hz, round/square shape, for false ceilings. Warranty: 01-year replacement warranty	40	Each
4	LED Down Light 18W, Recessed Type – 220-240V, 50Hz, round/square shape, for false ceilings. Warranty: 01-year replacement warranty	110	Each
5	Modern Gold Rectangular LED Chandelier - Crystal Bubble Pendant Light for Dining Room, integrated LED, 220-240V, 50Hz, complete with driver, suspension kit and mounting accessories. Make: Philips/Oppal or equivalent.	1	Each
6	5-Light Wood Farmhouse Drum Chandelier for Sitting Room, 220-240V AC, 50Hz, complete with lamp holders, ceiling canopy, suspension kit, wiring and mounting accessories. Make: Oaks Aura/Philips/Oppal or equivalent.	1	Each
7	Modern Wall Mounted LED wall lamp, 220-240V, 50Hz, minimum 10W, complete with LED driver and mounting accessories. Make: Philips/Oppal or equivalent.	30	Each
8	Modern Exterior Wall Light, weather-resistant finish, 220-240V, 50Hz, minimum 12W, IP65, complete with driver and mounting accessories. Make: Philips/Oppal or equivalent.	30	Each
9	Double sided outdoor Wall Light 2 x 5w with up/down illumination, 220-240V, 50Hz, IP65, complete with driver and mounting accessories. Make: Philips/Oppal or equivalent	40	Each
10	Pillar/Gate Lamp with corrosion-resistant body, 220-240V, 50Hz, minimum 10W, complete with driver and mounting accessories. Make: Philips/Oppal or equivalent	2	Each
11	Modern LED Mirror Light 220-240V, 50Hz, complete with driver and mounting accessories. Make: Philips/Oppal or equivalent.	2	Each
12	Supply Installation, Testing and Commissioning of Switch Board Frame 3"x6" (China Fitting Type Switch Boards) – make GoodTop, Opal, Aqua or equivalent.	92	Each
13	Supply Installation, Testing and Commissioning of Chinese fittings (Clipsal or equivalent) light control switch, Eight Gang Switch with Two Socket, 10 Amps, 250 Volts. Brands: Pakistan Railway Approved Brand.	42	Each
14	Supply Installation, Testing and Commissioning of Chinese fittings (Clipsal or equivalent) Double side Universal Board 10 Amps, 250 Volts. Brands: Pakistan Railway Approved Brand.	50	Each
15	Microwave Oven (25 Litres Capacity): High-capacity 25 Litres microwave oven suitable for continuous operation. The unit shall be equipped with digital touch control panel, LED display, multi-stage cooking options, defrost function, child safety lock, timer, and auto shut-off feature. Operating voltage: 220-240V AC, 50 Hz. Make: Homage, PEL, Canon, Dawlance, Haier, or equivalent. Warranty: Minimum one (01) year.	2	Each
16	A double-door deep freezer: Capacity 18 Cubic feet. suitable for continuous use. power supply: 220-240V, 50Hz. Brand Haier, Dawlance, PEL, Kenwood, or an equivalent. Efficient and uniform cooling with a reliable, low-noise, energy-efficient compressor. Corrosion-resistant material of body with high-density insulation and durable door hinges to ensure proper sealing. The interior shall be made of food-grade material. It should be supplied all necessary installation accessories, and a 10-kW automatic voltage stabilizer with steel frame/angle iron stand. Warranty: Compressor – 03 years; electronic parts and PCB – 02 years.	1	Each
17	Modern Smart Inverter Refrigerator, Size/Cap: 16 Cubic Feet. Brand. PEL, Haier, Kenwood or equivalent Modern Smart Inverter Refrigerator, 16 Cubic Feet minimum capacity, with energy-efficient inverter compressor, digital temperature control, LED lighting. 220-240 V AC, 50 Hz. Brand: PEL, Haier, Kenwood or equivalent with standard warranty.	1	Each
18	Three Tap Water Cooler – 100 Litre Capacity, Heavy-duty stainless-steel body,	2	Each

SN	Description	Qty	Unit
	suitable for continuous public use. The unit shall include floor stand and all necessary fittings and accessories for complete installation and operation. Warranty: Compressor – 03 years; internal tank and valves – 01 year; electrical components – 01 year. Brand: Canon or equivalent		
19	MOTOR-PUMP SET- Single Phase 2-HP 220-240 VAC, 50 Hz, electric copper wound electric motor with pump size 1" x 1¼", capable of continuous duty operation. The assembly shall include motor, pump, base frame, coupling, and all necessary accessories complete in all respects with insulation class "F" and protection class IP-55. Warranty: Minimum one (01) year for motor winding.	1	Each
20	Electric Geyser (100 Litres Capacity, 2000 Watts): High-quality electric water heater with 100 litres storage capacity, designed for reliable and energy-efficient operation. The geyser shall have a 2000-watt heating element, suitable for 220–240V AC, 50 Hz power supply. Make: Canon, Haier, Nasgas, Super Asia, or equivalent (reputed brand). Warranty: Minimum one (01) year.	2	Each
21	Automatic Hand Dryer, 1500–1800 Watts, touchless infrared/sensor operation, wall-mounted type, with automatic ON/OFF function, durable and corrosion-resistant body. Brand: Siemens or equivalent.	4	Each
22	Three-Phase Four-Pole Manual Changeover Switch – 200 Amperes. Heavy-duty manual changeover switch rated 200 Amps, 415V AC, 50 Hz, suitable for three-phase four-wire distribution systems for transfer between main supply and standby supply. It shall be enclosed in a sheet steel, powder-coated housing with IP-54 protection, suitable for indoor or outdoor installation. Brands: Schneider Electric (France), ABB (Switzerland), Siemens (Germany), Hager (France), Terasaki (Japan), Millat (Pakistan), FICO (Pakistan), or equivalent approved make. Warranty: Minimum 12 months (1 year) warranty from date of commissioning.	1	Each
23	Supply Installation, Testing and Commissioning of Main Distribution Board (MDB) Fabricated from heavy gauge G.I / CRCA sheet steel, wall-mounted, powder-coated enclosure, dust and vermin proof (IP-54). such of size that it has 3 Horizontal rows and separate spot for main breaker , complete with locking glass door, internal wiring, and all necessary termination accessories. Electrical Arrangement: Incoming: • 01 No. MCCB 4-Pole 200A. Outgoing Feeders: • 04 Nos. MCCB (4-Pole) 60~63 A • 14 Nos. MCB (2-Pole) 32 A • 14 Nos. MCB (1-Pole) 10 A • 02 Nos. RCCB (2-Pole) 63 A / 30 mA • HRC fuses for control. (Qty: As per Circuit Requirement) Metering & Indication: • 01 No. Digital Multifunction Meter (V, A, kW, kWh, PF, Hz) with. • 01 Set Phase Indicator Lamps (R, Y, B). • 01 Set Selector Switches for Volt/Amp Meter Installation: Main Distribution Board shall include all necessary accessories including, connecting strips, metallic bars etc. in all respects with wiring, testing, and commissioning. Approved Makes: Schneider, ABB, Siemens, Terasaki, or equivalent for MCCBs / MCBs. Warranty: Electrical components (MCCB/MCB/RCCB/Changeover) – 01 year; enclosure and fabrication – 01 year.	1	JOB

D-(ii) ELECTRICAL WORK (NON-SCHEDULE ITEMS) - SPECIAL REPAIR OF GUARD RUNNING ROOM AT KOTRI

SN	Description	Qty	Unit
1	Three-phase, four-core 95 mm ² Aerial Bundled Cable (ABC) for mains supply, comprising 3 phase conductors and 1 neutral conductor, XLPE insulated, suitable for 0.6/1 kV system voltage, with UV/weather-resistant insulation and suitable for outdoor overhead installation	200	Meter
2	LED Wall mount/Ceiling Tube Light, 4 ft, 40 Watts, 220-240V AC, complete with all necessary hardware for installation, testing, and commissioning.	40	Each
3	Supply and Installation of LED Down Light 30W, Recessed Type - 220-240V, 50Hz, round/square shape, for false ceilings. Warranty: 01-year replacement warranty	55	Each
4	LED Down Light 18W, Recessed Type - 220-240V, 50Hz, round/square shape, for false ceilings. Warranty: 01-year replacement warranty	30	Each
5	Modern Gold Rectangular LED Chandelier - Crystal Bubble Pendant Light for Dining Room, integrated LED, 220-240V, 50Hz, complete with driver, suspension kit and mounting accessories. Make: Philips/Oppal or equivalent.	1	Each
6	5-Light Wood Farmhouse Drum Chandelier for Sitting Room, 220-240V AC, 50Hz, complete with lamp holders, ceiling canopy, suspension kit, wiring and mounting accessories. Make: Oaks Aura/Philips/Oppal or equivalent.	1	Each
7	Modern Wall Mounted LED wall lamp, 220-240V, 50Hz, minimum 10W, complete with LED driver and mounting accessories. Make: Philips/Oppal or equivalent.	25	Each
8	Modern Exterior Wall Light, weather-resistant finish, 220-240V, 50Hz, minimum 12W, IP65, complete with driver and mounting accessories. Make: Philips/Oppal or equivalent.	30	Each
9	Double sided outdoor Wall Light 2 x 5w with up/down illumination, 220-240V, 50Hz, IP65, complete with driver and mounting accessories. Make: Philips/Oppal or equivalent	30	Each
10	Pillar/Gate Lamp with corrosion-resistant body, 220-240V, 50Hz, minimum 10W, complete with driver and mounting accessories. Make: Philips/Oppal or equivalent	2	Each
11	Modern LED Mirror Light 220-240V, 50Hz, complete with driver and mounting accessories. Make: Philips/Oppal or equivalent.	2	Each
12	Supply Installation, Testing and Commissioning of Switch Board Frame 3"x6" (China Fitting Type Switch Boards) - make GoodTop, Opal, Aqua or equivalent.	60	Each
13	Supply Installation, Testing and Commissioning of Chinese fittings (Clipsal or equivalent) light control switch, Eight Gang Switch with Two Socket, 10 Amps, 250 Volts. Brands: Pakistan Railway Approved Brand.	25	Each
14	Supply Installation, Testing and Commissioning of Chinese fittings (Clipsal or equivalent) Double side Universal Board 10 Amps, 250 Volts. Brands: Pakistan Railway Approved Brand.	35	Each
15	Microwave Oven (25 Litres Capacity): High-capacity 25 Litres microwave oven suitable for continuous operation. The unit shall be equipped with digital touch control panel, LED display, multi-stage cooking options, defrost function, child safety lock, timer, and auto shut-off feature. Operating voltage: 220-240V AC, 50 Hz. Make: Homage, PEL, Canon, Dawlance, Haier, or equivalent. Warranty: Minimum one (01) year.	2	Each
16	A double-door deep freezer: Capacity 18 Cubic feet. suitable for continuous use. power supply: 220-240V, 50Hz. Brand Haier, Dawlance, PEL, Kenwood, or an equivalent. Efficient and uniform cooling with a reliable, low-noise, energy-efficient compressor. Corrosion-resistant material of body with high-density insulation and durable door hinges to ensure proper sealing. The interior shall be made of food-grade material. It should be supplied all necessary installation accessories, and a 10-kW automatic voltage stabilizer with steel frame/angle iron stand. Warranty: Compressor - 03 years; electronic parts and PCB - 02 years.	1	Each
17	Modern Smart Inverter Refrigerator, Size/Cap: 16 Cubic Feet. Brand. PEL, Haier, Kenwood or equivalent Modern Smart Inverter Refrigerator, 16 Cubic Feet minimum capacity, with energy-efficient inverter compressor, digital temperature control, LED lighting. 220-240 V AC, 50 Hz. Brand: PEL, Haier, Kenwood or equivalent with standard warranty.	1	Each
18	Three Tap Water Cooler - 100 Litre Capacity, Heavy-duty stainless-steel body, suitable for continuous public use. The unit shall include floor stand and all necessary fittings and accessories for complete installation and operation. Warranty: Compressor - 03 years; internal tank and valves - 01 year; electrical components - 01 year. Brand: Canon or equivalent	2	Each

SN	Description	Qty	Unit
19	MOTOR-PUMP SET- Single Phase 2-HP 220-240 VAC, 50 Hz, electric copper wound electric motor with pump size 1" x 1¼", capable of continuous duty operation. The assembly shall include motor, pump, base frame, coupling, and all necessary accessories complete in all respects with insulation class "F" and protection class IP-55. Warranty: Minimum one (01) year for motor winding.	1	Each
20	Electric Geyser (100 Litres Capacity, 2000 Watts): High-quality electric water heater with 100 litres storage capacity, designed for reliable and energy-efficient operation. The geyser shall have a 2000-watt heating element, suitable for 220-240V AC, 50 Hz power supply. Make: Canon, Haier, Nargas, Super Asia, or equivalent (reputed brand). Warranty: Minimum one (01) year.	2	Each
21	Automatic Hand Dryer, 1500-1800 Watts, touchless infrared/sensor operation, wall-mounted type, with automatic ON/OFF function, durable and corrosion-resistant body. Brand: Siemens or equivalent.	4	Each
22	Three-Phase Four-Pole Manual Changeover Switch - 200 Amperes. Heavy-duty manual changeover switch rated 200 Amps, 415V AC, 50 Hz, suitable for three-phase four-wire distribution systems for transfer between main supply and standby supply. It shall be enclosed in a sheet steel, powder-coated housing with IP-54 protection, suitable for indoor or outdoor installation. Brands: Schneider Electric (France), ABB (Switzerland), Siemens (Germany), Hager (France), Terasaki (Japan), Millat (Pakistan), FICO (Pakistan), or equivalent approved make. Warranty: Minimum 12 months (1 year) warranty from date of commissioning.	1	Each
23	Supply Installation, Testing and Commissioning of Main Distribution Board (MDB) Fabricated from heavy gauge G.I / CRCA sheet steel, wall-mounted, powder-coated enclosure, dust and vermin proof (IP-54). such of size that it has 3 Horizontal rows and separate spot for main breaker, complete with locking glass door, internal wiring, and all necessary termination accessories. Electrical Arrangement: Incoming: • 01 No. MCCB 4-Pole 200A. Outgoing • 04 Nos. MCCB (4-Pole) 60~63 A • 8 Nos. MCB (2-Pole) 32 A • 12 Nos. MCB (1-Pole) 10 A • 02 Nos. RCCB (2-Pole) 63 A / 30 mA • HRC fuses for control. (Qty: As per Circuit Requirement) Metering & Indication: • 01 No. Digital Multifunction Meter (V, A, kW, kWh, PF, Hz) with. • 01 Set Phase Indicator Lamps (R, Y, B). • 01 Set Selector Switches for Volt/Amp Meter Installation: Main Distribution Board shall include all necessary accessories including, connecting strips, metallic bars etc. in all respects with wiring, testing, and commissioning. Approved Makes: Schneider, ABB, Siemens, Terasaki, or equivalent for MCCBs / MCBs. Warranty: Electrical components (MCCB/MCB/RCCB/Changeover) - 01 year; enclosure and fabrication - 01 year.	1	JOB

D-(iii) ELECTRICAL WORK (NON-SCHEDULE ITEMS) - DESIGN, SUPPLY, INSTALLATION, COMMISSIONING & TESTING OF 35-KW HYBRID SOLAR SYSTEM AT DRIVER RUNNING ROOM KOTRI OVER PAKISTAN RAILWAYS KARACHI DIVISION

SN	Description	Qty	Unit
1	Solar Panels Rating: 610W or above ,12 Year Product, 25 Year Performance Warranty, IEC 61215 Certified. Brands: JA solar, CSI, Canadian Solar or Equivalent Tier 1.	As per System Capacity requirement	Each
2	Inverter Type: Three Phase HYBRID Inverter, IP-65 with built in DC and AC Surge Protection Devices, equipped with a built-in online monitoring system and Wi-Fi-enabling device (dongle). 10 years warranty. Manufacturing Brand: GoodWe, Huawei, Soils, Sungow or Equivalent Tier-1	As per System Capacity requirement	Each
3	DC Cables: 1C × 6 mm ² or above size Copper, XLPE/XLPO insulated, UV/weather resistant, double insulated, 1.5 kV DC, suitable for solar PV applications, complete with compatible MC4 connectors and accessories. (lengths & size may vary on site;) Brands Newage, Allied, Fast, Pakistan Cables or equivalent	As per site requirement	Meter
4	AC Cables: 4C × 35 mm ² Copper, XLPE insulated, 0.6/1 kV grade. (Cable size and length may vary as required based on site conditions). Complete in all respects. Brand: Newage / Fast Cables / Pakistan Cables or Equivalent.	As per site requirement	Meter
5	Dust Proof Powder Coated Metallic Distribution Box, indoor/outdoor, appropriate housing space, as per site requirements complete in all respects, IP 54 or higher.	1.00	Nos
6	Panel Mounting Structure: Heavy-duty ground-mounted solar panel structure, approximately 12 ft high, fabricated from minimum 3.0 mm primary and 2.5 mm secondary structural steel, hot-dip galvanized, complete with mounting rails, brackets, fasteners, anchor bolts and RCC foundations, designed for applicable wind/environmental loads. Complete in all respects.	1.00	Job
7	Protective Devices Required i. Three Phase Four Pole 200-A MCCB for Mains Supply from Utility. ii. Three phase Three/Four Pole MCBs for input side and output side of the inverter separately. iii. Three Phase Over/Under Voltage and Phase Sequence Protection Device on inverter input side and load side separately. iv. DC Two Pole Circuit breakers and Fuses for DC input to inverter and also between Battery/Batteries and Inverter v. SPD's, Isolators, Change Over Switch and Surge Arrestors Brand for Circuit Breakers: Schneider, Terasaki or Equivalent.	1.00	Job
8	Complete earthing system including copper-bonded/GI earth electrodes, earth pits with inspection chambers, earth conductors, earth busbar, clamps, lugs and all accessories. All PV structures, inverter, Distribution Boxes, cable trays and metallic parts shall be properly bonded. Earth resistance shall not exceed 5 Ohms. Complete in all respects and compliant with applicable IEC standards.	1.00	Job
9	Misc Items i.e PVC Pipe Flexible Cable Trays and Conduits Where Required Accessories and Misc. Items. 1. Cables Ducts 2. Cable Trays GI 3. Nut, bolts and etc. Complete in all respect to complete the project.	1.00	Job
10	Installation and Transportation Charges as per site requirement to complete the project in all respect.	1.00	Job
11	Net Metering - Application preparation, submission, processing at relevant DISCOs / NEPRA along with relevant Fee & Demand Notice for Electricity Meters - Application Handling, Processing - Protection Equipment -Disconnect Switches as per Electricity Inspector recommendation - Lightning Arrestor (s)	1.00	Job
12	Batteries: Lithium-ion Battery, Nominal voltage: 48 V. Rated capacity: 100-AH. This includes battery cables and allied accessories. Warranty: 05 Years. Brands: Narada, Solectra, Inverex, or equivalent reputed manufacturers.	6.00	Each

D-(iv) ELECTRICAL WORK (NON-SCHEDULE ITEMS) - SUPPLY, INSTALLATION, COMMISSIONING & TESTING OF 35-KW HYBRID SOLAR SYSTEM AT GUARD RUNNING ROOM KOTRI OVER PAKISTAN RAILWAYS KARACHI DIVISION.

SN	Description	Qty	Unit
1	Solar Panels Rating: 610W or above ,12 Year Product, 25 Year Performance Warranty, IEC 61215 Certified. Brands: JA solar, CSI, Canadian Solar or Equivalent Tier 1.	As per System Capacity requirement	Each
2	Inverter Type: Three Phase HYBRID Inverter, IP-65 with built in DC and AC Surge Protection Devices, equipped with a built-in online monitoring system and Wi-Fi-enabling device (dongle). 10 years warranty. Manufacturing Brand: GoodWe, Huawei, Soils, Sungow or Equivalent Tier-1	As per System Capacity requirement	Each
3	DC Cables: 1C × 6 mm ² or above size Copper, XLPE/XLPO insulated, UV/weather resistant, double insulated, 1.5 kV DC, suitable for solar PV applications, complete with compatible MC4 connectors and accessories. (lengths & size may vary on site;) Brands Newage, Allied, Fast, Pakistan Cables or equivalent	As per site requirement	Meter
4	AC Cables: 4C × 35 mm ² Copper, XLPE insulated, 0.6/1 kV grade. (Cable size and length may vary as required based on site conditions). Complete in all respects. Brand: Newage / Fast Cables / Pakistan Cables or Equivalent.	As per site requirement	Meter
5	Dust Proof Powder Coated Metallic Distribution Box, indoor/outdoor, appropriate housing space, as per site requirements complete in all respects, IP 54 or higher.	1.00	Nos
6	Panel Mounting Structure: Heavy-duty ground-mounted solar panel structure, approximately 12 ft high, fabricated from minimum 3.0 mm primary and 2.5 mm secondary structural steel, hot-dip galvanized, complete with mounting rails, brackets, fasteners, anchor bolts and RCC foundations, designed for applicable wind/environmental loads. Complete in all respects.	1.00	Job
7	Protective Devices Required i. Three Phase Four Pole 200-A MCCB for Mains Supply from Utility. ii. Three phase Three/Four Pole MCBs for input side and output side of the inverter separately. iii. Three Phase Over/Under Voltage and Phase Sequence Protection Device on inverter input side and load side separately. iv. DC Two Pole Circuit breakers and Fuses for DC input to inverter and also between Battery/Batteries and Inverter v. SPDs, Isolators, Change Over Switch and Surge Arrestors Brand for Circuit Breakers: Schneider, Terasaki or Equivalent.	1.00	Job
8	Complete earthing system including copper-bonded/GI earth electrodes, earth pits with inspection chambers, earth conductors, earth busbar, clamps, lugs and all accessories. All PV structures, inverter, Distribution Boxes, cable trays and metallic parts shall be properly bonded. Earth resistance shall not exceed 5 Ohms. Complete in all respects and compliant with applicable IEC standards.	1.00	Job
9	Misc Items i.e PVC Pipe Flexible Cable Trays and Conduits Where Required Accessories and Misc. Items. 1. Cables Ducts 2. Cable Trays GI 3. Nut, bolts and etc. Complete in all respect to complete the project.	1.00	Job
10	Installation and Transportation Charges as per site requirement to complete the project in all respect.	1.00	Job
11	Net Metering - Application preparation, submission, processing at relevant DISCOs / NEPRA along with relevant Fee & Demand Notice for Electricity Meters - Application Handling, Processing - Protection Equipment -Disconnect Switches as per Electricity Inspector recommendation - Lightning Arrestor (s)	1.00	Job
12	Batteries: Lithium-ion Battery, Nominal voltage: 48 V. Rated capacity: 100-AH. This includes battery cables and allied accessories. Warranty: 05 Years. Brands: Narada, Solectra, Inverex, or equivalent reputed manufacturers.	6.00	Each

Note: The quantities of items may be increased or decreased and any new item may be included during execution of work and contractor/work executing agency will be bound to execute/operate the item with the written permission of the employer as the case may be.

ANNEXURE-A**PAKISTAN RAILWAYS TECHNICAL
SPECIFICATION OF WORK**

Contractor are advised to peruse Pakistan Railways Technical Specification for Railway Infrastructure work, Volume-I and II of 2018, Prior quoting rates and follow the same while execution of the work.

NOTE:- The above specifications are available in the office of Divisional Engineer-III, Pakistan Railways, Karachi and Works Accounts (WA) Branch for perusal.

CONSTRUCTION EXPERIENCE

Form EXP - 4.1 General Construction Experience

Bidder's Name: _____

Date: _____

JV Member's Name _____

Bid Reference No. (if any) 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 EMPLOYER: _____ Address: _____	
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of EMPLOYER: _____ Address: _____	
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of EMPLOYER: _____ Address: _____	

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

Bidder's Name: _____

Date: _____

JV Member's Name _____

Bid Reference No. (if any) and title: _____

Page _____ of _____ pages

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

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

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

Form EXP - 4.2(b)
Construction Experience in Key Activities

Bidder's Name: _____

Date: _____

Bidder's JV Member Name: _____

Sub-contractor's Name (if any): _____

Bid Reference No. (if any) and title: _____

Page _____ of _____ pages

All Sub-contractors for key activities must complete the information 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 ☐	Member in JV ☐	Management Contractor ☐	Sub-contractor ☐
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				
EMPLOYER's Name:				
Address:				
Telephone/fax number				

	Information
E-mail:	

2. Activity No. Two

3.

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

Form EXP - 4.2 (c)
Specific Experience in Managing ES aspects

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

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

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

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

Bid Reference No. (if any) and title: *[insert ICB/NCB number and title]*

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

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

Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor ☐	Member in JV ☐	Management Contractor ☐	Subcontractor ☐
Total Contract Amount			PKR	
Details of relevant experience				

2. Key Requirement no 2 in accordance with 4.2 (c): _____
3. Key Requirement no 3 in accordance with 4.2 (c): _____
4. [PA define key requirements] _____

Contractor's Representative and Key Personnel Schedule

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

Contractor' Representative and Key Personnel

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 PER-2:
Resume and Declaration
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 Employer:	
	Telephone:	Contact (manager / personnel officer):
	Fax:	
	Job title:	Years with present Employer:

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

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

Declaration

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

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

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

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): _____

Average Annual Turnover (Annual Sales Value)

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

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

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

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

IFP No. and title: *[insert IFP number and title]*

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

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

* Refer ITA for date and source of exchange rate.

** Total PKR equivalent for all years divided by the total number of years. See Section III, Qualification Criteria and Requirements, ITA.