Standard Bidding Document

SIGNAL PORTION INCLUDING NEW LINK AT BQM FOR ADDITIONAL ONE TRAIN UNDER DEDICATED FREIGHT CORRIDOR (KMR TO MYP) PHASE-I
(Works)

National

Single Stage-Two Envelope

November 14, 2026

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REQUEST FOR BIDS

PROCUREMENT OF CIVIL WORKS

1. The **DSTE-I Office, Pakistan Railways, Karachi. (Signal Depart)** has reserved Funds for the procurement planned for FY **2026-27**. The **DSTE-I Office, Pakistan Railways, Karachi. (Signal Depart)** intends to apply part of the proceeds of this Fund to cover eligible payments under the contract for the "**SIGNAL PORTION INCLUDING NEW LINK AT BQM FOR ADDITIONAL ONE TRAIN UNDER DEDICATED FREIGHT CORRIDOR (KMR TO MYP) PHASE-I**" with the reference of "**P192633**".

2. The **DSTE-I Office, Pakistan Railways, Karachi. (Signal Depart)** invites sealed Bids from eligible Bidders for procurement of Works **(SIGNAL PORTION INCLUDING NEW LINK AT BQM FOR ADDITIONAL ONE TRAIN UNDER DEDICATED FREIGHT CORRIDOR (KMR TO MYP) PHASE-I)** 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, 2026 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 **Pay Order, Call at Deposit, Bank Guarantee**. 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/192633** 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

Wednesday, December 2, 2026 12:00 PM. E-bids will be opened by using **EPADS v2.0** on the same day at **Wednesday, December 2, 2026 12:30 PM**. 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 registeration process is available at **https://www.youtube.com/watch?v=MNW6T38v7tc.**

In terms of Rules 65 of Public Procurement Rules, 2026 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 VI- 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, 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 Statuary 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 Instructions to Bidders (ITBs)

Section II Bid Data Sheet (BDS)

Section III Eligible Countries

Section VI Evaluation and Qualification Criteria

Section V Works Requirements Technical Specifications & Schedule of Requirements

Section VI Standard Bidding Forms

Section VII General Conditions of Contract (GCC)

Section VIII Particular Conditions of Contract (PCC)

Section IX 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 Biding 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 biding 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:**DSTE-I Office, Pakistan Railways, Karachi. (Signal Depart)** The subject of procurement is:**SIGNAL PORTION INCLUDING NEW LINK AT BQM FOR ADDITIONAL ONE TRAIN UNDER DEDICATED FREIGHT CORRIDOR (KMR TO MYP) PHASE-I** Expected commencement date: **Saturday, December 19, 2026**
2.	2.1	Financial year for the operations of the Procuring Agency:**2026-27** Name and identification number of the Contract: **P192633**
3.	3.1	JV/Consortium or AssociationAllowed: **Yes** Number of JV/Consortium Members: **2**
B. Bidding Documents		

4.	**6.2 & 6.4**	The Bidders may seek clarifications through **EPADS v2.0**: Clarification Date: Sunday, November 29, 2026
5.	**7.2**	Any addendum, in case issued, shall be published on **DSTE-I Office, Pakistan Railways, Karachi. (Signal Depart)** website and on **EPADS v2.0**.
C. Preparation of Bids		
6.	**8.1**	List of documents required along with the bid: No
7.	**9.1**	The qualification criteria to establish the supply / production capability of the bidder. *see Eligibility Criteria*
8.	**11.2**	**Works and Their relateddocuments:** *See section Required Scope of Work*
9.	**11.1**	Price schedule will be provided according to the format defined and acquired. *see section price schedule.*
10.	**11.4**	**Specifications:** *see section of specifications.*
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: **180 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: **Pay Order, Call at Deposit, Bank Guarantee**
16.	**15.1**	Alternative Bids to the requirements of the bidding documents willnot 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, Pakistan Railways, I.I. Chundrigar Road, Karachi.** Bids that are not submitted on EPADS v2.0 shall be disqualified. The deadline for Bids submission is: **Wednesday, December 2, 2026 12:00 PM**

E. Opening and Evaluation of Bids

18.	**24.1**	The Bids opening shall take place on **EPADS v2.0**. Day *:* ***Wednesday*** Date:***December 02, 2026*** Time *:* ***12:30 PM***

19.	**30.2**	Selection technique adopted will be: **Least Cost Based Selection (LCBS)** *see Evaluation Criteria*
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.

Eligibility Criteria

All Active Taxpayers shall be eligible to participate in the procurement process, unless expressly excluded or otherwise restricted under the Eligibility Criteria specified by the Procuring Agency.

Required Registration
NADRA CITIZENSHIP (CNIC/NICOP) FBR (NTN) FBR (GSTN) PEC

Eligibility Criteria	Document
The SOE / General Contractor must be registered with PEC Category C-4 or above in the relevant specialization, specifically EE-04, EE-07, EE-08	Yes
The SOE / General Contractor must hold a valid NTN and Sales Tax registration	Yes
The SOE / General Contractor must be listed on the Active Taxpayer List (ATL).	Yes
An E-Stamp Affidavit confirming that the SOE / General Contractor has never been blacklisted by any Government or Semi-Government organization.	Yes
All tender documents and supporting documents duly signed and stamped by the Bidder without any reservations or objections, in token of acceptance of PR specifications (section 3), bidding / contract conditions and full scope of work	Yes

The SOE / General Contractor must have average annual turnover of not less than Pak Rs. 100 million during last three years duly supported with audited annual reports	Yes
A written confirmation guaranteeing a 12-months warranty period from the date of commissioning.	Yes
An original Bid Security amounting to Rs. 3,618,570/-, in the form of a Call Deposit Receipt (CDR) or Bank Guarantee, issued in favour of the Divisional Accounts Officer, Pakistan Railways, Karachi, by any scheduled bank in Pakistan, must be attached with the Technical Proposal. The original Bid Security must also be physically submitted to the DAO Office on or before closing of tender at 12:00 PM	Yes

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Evaluation Criteria

Least Cost Based Selection (LCBS)

Weightage

Technical Evaluation %
100

Technical Marks	100
Passing Marks	**65**
Technical Evaluation Criteria	
The bidder must have successfully completed at least one (01) or more works of a similar nature, scope, and complexity as that of the subject work (Quantitative)(Doc Required)	30
Retired/ Experienced One Signal Inspector, must be appointed in said work. Document must be attached (Quantitative) (Doc Required)	30
DAE Electrical / Electronic, may be appointed in said work. Document must be attached (Quantitative)(Doc Required)	20
The bidder must have an average annual financial turnover of PKR 100.00 million or above (Quantitative)(Doc Required)	20

Jobs/Lots

Jobs Without Lots :

Job	Delivery Schedule	Quantity	Bid Security
SIGNAL PORTION INCLUDING NEW LINK AT BQM FOR ADDITIONAL ONE TRAIN UNDER DEDICATED FREIGHT CORRIDOR (KMR TO MYP) PHASE-I	Address: Dedicated freight corridor DFC from Keamari to Marshalling yard at sites and Signal Inspector Karachi Cantt office Schedule: 60 Days Quantity: 1/job	1/job	3618570 PKR

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Related Services :

No

Work Specifications and Market Rates

Jobs Without Lots :

Job: SIGNAL PORTION INCLUDING NEW LINK AT BQM FOR ADDITIONAL ONE TRAIN UNDER DEDICATED FREIGHT CORRIDOR (KMR TO MYP) PHASE-I

Specifications / Requirements:

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
1	P192633	61x1x1.5mm² U/G PVC armoured cable as per CSE specification	MTR	6000	6125	Rupees Six Thousand One Hundred Twenty-Five Only	36750000

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
2	P192633	48x1x1.5mm² U/G PVC armoured cable as per CSE specification	MTR	4000	4825	Rupees Four Thousand Eight Hundred Twenty-Five Only	19300000
3	P192633	37x1x1.5mm² U/G PVC armoured cable as per CSE specification	MTR	1500	3775	Rupees Three Thousand Seven Hundred Seventy-Five Only	5662500
4	P192633	27x1x1.5mm² U/G PVC armoured cable as per CSE specification	MTR	1000	2995	Rupees Two Thousand Nine Hundred Ninety-Five Only	2995000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
5	P192633	21x1x1.5mm² U/G PVC armoured cable as per CSE specification	MTR	3000	2185	Rupees Two Thousand One Hundred Eighty-Five Only	6555000
6	P192633	14x1x1.5mm² U/G PVC armoured cable as per CSE specification	MTR	5500	1660	Rupees One Thousand Six Hundred Sixty Only	9130000
7	P192633	8x1x1.5mm² U/G PVC armoured cable as per CSE specification	MTR	3000	930	Rupees Nine Hundred Thirty Only	2790000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
8	P192633	5x1x1.5mm² U/G PVC armoured cable as per CSE specification	MTR	3000	635	Rupees Six Hundred Thirty-Five Only	1905000
9	P192633	20x1x1.5 mm² U/G PVC armoured cable as per CSE specification	MTR	18000	3500	Rupees Three Thousand Five Hundred Only	63000000
10	P192633	Rail Base cable	MTR	3000	500	Rupees Five Hundred Only	1500000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
11	P192633	Excavation and laying of cable in a trench 3 feet deep and 1 foot wide through HDEP Pipe followed by backfilling. The cable will pass through a GI pipe wherever it crosses under tracks, road level crossings, and bridges including labor and material	MTR	25000	1050	Rupees One Thousand Fifty Only	26250000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
12	P192633	Cable terminal strips 2.5mm² (Din ril)	EA	10000	65	Rupees Sixty-Five Only	650000
13	P192633	Aluminium channel for cable connector strips 2.5mm² (Industrial Grade)	MTR	1000	300	Rupees Three Hundred Only	300000
14	P192633	Side Cover for terminal block 2.5mm² (Industrial Grade)	EA	400	40	Rupees Forty Only	16000
15	P192633	Stopper for DIN rail (Industrial Grade)	EA	400	50	Rupees Fifty Only	20000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
16	P192633	Transformer rectifier input 220,200,180,0 volt AC output "6 V,6 A" DC	EA	150	10000	Rupees Ten Thousand Only	1500000
17	P192633	Resistor "75W" 0 to 30 ohm Wirewound variable resistor	EA	150	6500	Rupees Six Thousand Five Hundred Only	975000
18	P192633	Magneto Telephone (TIP)	EA	14	20000	Rupees Twenty Thousand Only	280000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
19	P192633	Laptop (11th Generation core i7 1185G7 Processor 8 GB 256-GB SSD Intel Iris Xe Graphics 14'' Full HD 1080p 60Hz Display Backlit KB Waves Max Audio W11 Pro).	Nos	1	90000	Rupees Ninety thousand only	90000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate		Amount
20	P192633	Drill Machine 1800 Watt, Blower , Welding Plant and allied accessorier as material requirement . (1 Nos Each)	Nos	1	60000	Rupees Sixty thousand only	60000
21	P192633	Freight charges	Job	1	200000	Rupees Two Hundred Thousand Only	200000
22	P192633	Work Execution Charges	Job	1	1000000	Rupees One Million Only	1000000
						GRAND TOTAL:	Rs180,928,500.00

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Scope of Work

The scope of work shall generally comprise the **supply, transportation, installation, testing, commissioning and integration** of all materials, equipment and services required for completion of the Signal Portion (Phase-I), including the new link at BQM.

The major components of the scope include the following:

a. Signaling and Underground Cable Works:

- Supply and installation of underground PVC armoured signalling cables of the specified core sizes and quantities.
- Supply and laying of rail-base cable as specified.
- Excavation of cable trenches and laying of cables through HDEP/GI pipes wherever required.
- Provision of suitable arrangements for cable crossings under railway tracks, roads, level crossings and bridges.
- Provision of cable routes along platforms and other required locations.
- Backfilling, compaction and restoration of cable trenches after inspection and approval by the Engineer.
- Provision of cable protection, including sand bedding, protective covering and continuous warning tape.
- Installation of cable route markers at specified intervals, deviations and branches.
- Preparation and updating of cable route records and as-built cable plans.

b. Cable Termination and Associated Materials

- Supply and installation of cable terminal strips.
- Provision of aluminum channels, side covers and DIN rail stoppers.
- Provision of cable termination and associated accessories required for proper connection and protection of signalling circuits.
- Provision of junction/termination arrangements in accordance with the approved requirements.

c. Power Supply and Signalling Equipment

- Supply and installation of transformer rectifiers of the specified rating.
- Supply and installation of variable wire-wound resistors.
- Provision of magneto telephones and other specified signalling/communication equipment.
- Supply of the required BQM CBI computer and associated computing equipment as specified.

D **. Civil and Installation-Related Works**

- Excavation and preparation of cable routes.
- Provision of pipes/protection for track, road, bridge and platform crossings.
- Protection of existing cables and railway installations during execution.
- Proper restoration and compaction of excavated areas after completion.

- Provision of necessary cable pits, route markers and associated infrastructure.

f. Testing, Commissioning and Documentation

- Testing of all installed cables, equipment and associated signalling circuits.
- Functional testing of the revised BQM software and interlocking arrangements.
- Integrated testing and commissioning of the complete works.
- Rectification of defects identified during testing and commissioning.
- Preparation and submission of final/as-built cable route plans and relevant technical documentation.
- Completion of all works necessary for handing over the system in a safe, reliable and operational condition.

The contractor shall also provide the required **transportation/freight, tools and plant, consumables, labour, work execution charges and other incidental services** necessary for satisfactory completion and commissioning of the entire scope, as provided in the Schedule of Prices and Employer's Requirements.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

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]		

PUBLIC PROCUREMENT REGULATORY AUTHORITY
(PPRA)
EPADS

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 Contractorand 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: DSTE-I Office, Pakistan Railways, Karachi. (Signal Depart), Divisional Signal & Telecom Engineer-I Divisional Superintendent Office, Pakistan Railways, I.I. Chundrigar Road, Karachi.

The Supplier is:

The title of the subject procurement is: SIGNAL PORTION INCLUDING NEW LINK AT BQM FOR ADDITIONAL ONE TRAIN UNDER DEDICATED FREIGHT CORRIDOR (KMR TO MYP) PHASE-I

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:

DSTE-I Office, Pakistan Railways, Karachi. (Signal Depart), Divisional Signal & Telecom Engineer-I Divisional Superintendent Office, Pakistan Railways, I.I. Chundrigar Road, Karachi.
+92-315-314-3835
dste1kc@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:

DSTE-I Office, Pakistan Railways, Karachi. (Signal Depart), Divisional Signal & Telecom Engineer-I
Divisional Superintendent Office, Pakistan Railways, I.I. Chundrigar Road, Karachi.
+92-315-314-3835
dste1kc@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 **0.10%** 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

Testing of all installed cables, equipment and associated signalling circuits

Integrated testing and commissioning of the complete works.

Rectification of defects identified during testing and commissioning.

Preparation and submission of final/as-built cable route plans and relevant technical documentation.

Completion of all works necessary for handing over the system in a safe, reliable and operational condition.

Delivery & Documents

Copies of the packing list identifying contents of each package;

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;

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.:***P192633***

To: **DSTE-I Office, Pakistan Railways, Karachi. (Signal Depart), Divisional Signal & Telecom Engineer-I Divisional Superintendent Office, Pakistan Railways, I.I. Chundrigar Road, Karachi.**

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 **DSTE-I Office, Pakistan Railways, Karachi. (Signal Depart), Divisional Signal & Telecom Engineer-I Divisional Superintendent Office, Pakistan Railways, I.I. Chundrigar Road, Karachi.**

(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., **SIGNAL PORTION INCLUDING NEW LINK AT BQM FOR ADDITIONAL ONE TRAIN UNDER DEDICATED FREIGHT CORRIDOR (KMR TO MYP) PHASE-I (*P192633*)** 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: ……

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Integrity Pact

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BYTHE 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 time 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: **DSTE-I Office, Pakistan Railways, Karachi. (Signal Depart), Divisional Signal & Telecom Engineer-I Divisional Superintendent Office, Pakistan Railways, I.I. Chundrigar Road, Karachi.**

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}

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Annexure

Financial Proposal

Financial Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **Financial Proposal** (page number: 86)

Special Provision

Technical Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **Special Provision** (page number: 94)

Specification of cable laying

Technical Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **Specification of cable laying** (page number: 96)

Specification of Cable

Technical Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **Specification of Cable** (page number: 106)

PARTICULAR CONTRACT CONDITION

Technical Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **PARTICULAR CONTRACT CONDITION** (page number: 109)

Procurement Forms

Past Construction Experiences

See Form Under Additional Forms and Documents: **Past Construction Experiences** (page number: 112)

Contractor's Key Personnel Representative and Their Schedules

See Form Under Additional Forms and Documents: **Contractor's Key Personnel Representative and Their Schedules** (page number: 118)

Financial Resources

See Form Under Additional Forms and Documents: **Financial Resources** (page number: 122)

Past Experience and Completed Contracts

See Form Under Additional Forms and Documents: **Past Experience and Completed Contracts** (page number: 123)

Current Contracts and Their Progress

See Form Under Additional Forms and Documents: **Current Contracts and Their Progress** (page number: 124)

Financial Capacity and Net Worth Evaluation Form

See Form Under Additional Forms and Documents: **Financial Capacity and Net Worth Evaluation Form** (page number: 125)

Average Annual Turnover

See Form Under Additional Forms and Documents: **Average Annual Turnover** (page number: 127)

PUBLIC PROCUREMENT REGULATORY AUTHORITY
(PPRA)
EPADS

Additional Forms and Documents

Sold to:-

M/s _____
_____
_____

PAKISTAN RAILWAYS

PEC BIDDING DOCUMENTS

FOR THE WORK OF

SIGNAL PORTION INCLUDING NEW LINK AT BQM FOR ADDITIONAL ONE TRAIN UNDER DEDICATED FREIGHT CORRIDOR DFC (KMR TO MYP) PHASE-I

FINANCIAL PROPOSAL

OFFICE OF THE DIVISIONAL SUPERINTENDENT PAKISTAN RAILWAYS, KARACHI

SCHEDULES TO BID INCLUDE THE FOLLOWING:

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

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SCHEDULE – A TO BID

SCHEDULE OF PRICES

S. No.		Page No.
1.	Preamble to Schedule of Prices	4
2.	Schedule of Prices	
	*(a) Summary of Bid Prices	6
	* (b) Detailed Schedule of Prices	7 to 8

* [To be prepared by the Engineer/Employer]

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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.

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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)

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SUMMARY OF BID PRICES

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

Name of Work: **SIGNAL PORTION INCLUDING NEW LINK AT BQM FOR ADDITIONAL ONE TRAIN UNDER DEDICATED FREIGHT CORRIDOR DFC (KMR TO MYP) PHASE-I**

Total Cost of Work: Rs. 180,928,500 Million Period of Completion: **Two (02) Months**

Bill No.	Description	Total Amount (Rs)
(A)	Total Cost of Non Schedule Items	
	TOTAL BID PRICE Rs.	
Total Bid Price (In words). _____ _____		

Signature of the bidder_____

(With official seal)

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

SCHEDULE OF BID PRICES

(To be prepared and incorporated by the Employer)

FORM OF BID

(To be filled by the bidder)

NAME OF WORK: SIGNAL PORTION INCLUDING NEW LINK AT BQM FOR ADDITIONAL ONE TRAIN UNDER DEDICATED FREIGHT CORRIDOR DFC (KMR TO MYP) PHASE-I

(A) THROUGH RATE ITEMS

S. No.	Description	Unit	Qty	Rate	Amount
1	61x1x1.5mm² U/G PVC armoured cable as per CSE specification	MTR	6000		
2	48x1x1.5mm² U/G PVC armoured cable as per CSE specification	MTR	4000		
3	37x1x1.5mm² U/G PVC armoured cable as per CSE specification	MTR	1500		
4	27x1x1.5mm² U/G PVC armoured cable as per CSE specification	MTR	1000		
5	21x1x1.5mm² U/G PVC armoured cable as per CSE specification	MTR	3000		
6	14x1x1.5mm² U/G PVC armoured cable as per CSE specification	MTR	5500		
7	8x1x1.5mm² U/G PVC armoured cable as per CSE specification	MTR	3000		
8	5x1x1.5mm² U/G PVC armoured cable as per CSE specification	MTR	3000		
9	20x1x1.5 mm² U/G PVC armoured cable as per CSE specification	MTR	18000		
10	Rail Base cable	MTR	3000		
11	Excavation and laying of cable in a trench 3 feet deep and 1 foot wide through HDEP Pipe followed by backfilling. The cable will pass through a GI pipe wherever it crosses under tracks, road level crossings, and bridges including labor and material	MTR	25000		
12	Cable terminal strips 2.5mm² (Din ril)	EA	10000		
13	Aluminium channel for cable connector strips 2.5mm² (Industrial Grade)	MTR	1000		
14	Side Cover for terminal block 2.5mm² (Industrial Grade)	EA	400		
15	Stopper for DIN rail (Industrial Grade)	EA	400		

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16	Transformer rectifier input 220,200,180,0 volt AC output "6 V,6 A" DC	EA	150		
17	Resistor "75W" 0 to 30 ohm Wire wound variable resistor	EA	150		
18	Magneto Telephone (TIP)	EA	14		
19	Laptop (11th Generation core i7 1185G7 Processor 8 GB 256-GB SSD Intel Iris Xe Graphics 14" Full HD 1080p 60Hz Display Backlit KB Waves Max Audio W11 Pro).	Nos	1		
20	Drill Machine 1800 Watt, Blower , Welding Plant and allied accessories as material requirement . (1 Nos Each)	Nos	1		
21	Freight charges	Job	1		
22	Work Execution Charges	Job	1		
				TOTAL Rs.	

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

Signature of the bidder_____

(With official seal)

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SPECIFICATIONS

A-SPECIAL PROVISION

REPAIRING OF MAINTENANCE VEHICLE

1. The contractor shall provide repairing (General Overhauling of Engine, wiring works, 04 Nos of new tyres,01 Nos new battery etc.), complete in all aspects of the following vehicles.

   (i) LEG 2052 under Signal Inspector Karachi City.
   (ii) GA-8628 under Foreman Telecom-II.

   Note:-

   (i) No separate payment will be made on this account and the same will remain as part & parcel of the bid prices.
   (ii) The contractor shall provide the repairing of vehicles within 20 days of the signing of the contract agreement.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

SPECIFICATIONS FOR RAIL BASE CABLE

R.S.E. SPECIFICATION NO.4/CABLES

1.1 CONSTRUCTION:

1.1.1 Conductor Stranded, tinned copper wire (56 x 0.30 mm dia)
1.1.2 Inner PE Insulation, thickness approx. 1.7 mm.
1.1.3 Screen of 0.3 mm dia Galvanized steel wires.
1.1.4 Density of screen approx.: 50%
1.1.5 Manufacture's identification thread.
1.1.6 Outer sheath P.V.C black, Thickness approx.: 1.5 mm.
1.1.7 Overall diameter. 10.2 mm $\pm$ 0.5 mm.

1.2 ELECTRICAL VALUES AT 20^{o} C:

1.2.1 Conductor resistance.	5 ohms/KM.
1.2.2 Insulation Resistance	20 M ohms/Km.
1.2.3 Operating voltage (actual value)	400 volts.
1.2.4 Testing voltage (peak voltage).	2000 V.
1.2.5 Operating capacity for 50 Hz.	280 uf/Km.

1.3 CHEMOTECHNICAL VALUES:

1.3.1 For inner PE insulation and outer P.V.C. sheath, the material should comply BS-6746.
1.3.2 Conductor material should be as per BS-6360.

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11. MULTI CORE SCREENED UNDER-GROUND SIGNAL CABLE (MAIN CABLE) R.S.E. SPECIFICATION NO.3/CABLES

Signal Cable of suitable Size as per the system design and offered equipment, Multi Core PE Insulated, screened P.V.C. sheathed, steel tape or wire armored, over all P.V.C. 600/1000 Volt grade for use on sections with A.C. Electric traction, 25 KV 50 Hz, Single Phase, rail return.

MAKE UP CHARACTERISTICS:

11.1	Rated Voltage	600/1000 Volts
11.2	Conductor	The conductor shall be solid circular and formed from plain annealed copper complying with BS 6360. Twisted pair of conductors shall be preferred.
11.3	Insulation	The insulation shall be PE compound (or better substitute)
11.4	Identification	Cable cores (or pairs) shall be numbered or color coded for identification
11.5	Laying up	The cores of cables shall be laid with right hand direction of lay, where necessary non-hygroscopic fillers may be applied Twisted pair of conductors shall be preferred
11.6	Bedding 1	The cables shall have an extruded layer of BS 6746 type TM1 TM2 or TYPE 6 compounds complying with requirements of BS 6746
11.7	Screen	Copper or aluminum wire, two layers in counter direction or copper/aluminum tubing. The thickness of the conductor/tube shall be sufficient to provide reduction factor of 0.3 with field strength of 100 V/Km
11.8	Bedding 2	The cables shall have an extruded layer of BS 6746 type TM1 TM2 or TYPE 6 compounds complying with requirements of BS 6746
11.9	Armour	Steel tape Armour consisting of two layers of steel striper galvanized Steel wire
11.10	Over-Sheath	The over-sheath shall be black PVC complying with BS-6346 for TYPE TM1
11.11	Marking	As per BS 6346
11.12	Conductor resistance	As per size of conductor
11.13	Insulation resistance	Insulation resistance between conductors shall not be less than 100 Meg Ohm and between conductors and armour not be less than 50 Meg. Ohm/Km at 20o C when tested for one minute at 500 V DC
11.14	Test voltage	The test voltage shall be 3000V r.m.s maintained at full value for 3 minutes without breakdown of insulation

1. CABLING AND CABLE ROUTES

1.1 General

a. The Contractor shall clear and level the path selected for the cable routes prior to excavation and shall dispose of debris, obstacles etc., to a location permitted by the Engineer.

b. All cable routes will be constructed within Railway boundaries and rights of way, and wherever possible clear of any existing cable routes.

1.2 Cable Routes

a. Main Cable routes shall wherever possible be buried. The Engineer will give consideration to other types of route such as surface level concrete troughing of above ground ducting but only in special circumstances and to overcome particular difficulties or permanent obstacles. Each and every such exception will be subject to the specific approval of the Engineer as to the type and extent and method of construction of the alternative route.

b. The Contractor shall supply and install all cable route materials.

c. In general, a single cable route shall be installed with the minimum number of changes in direction. Bends must not exceed the manufacturers' specified minimum bending radius for the cables to be installed.

d. Longitudinal cable routes shall be kept parallel to the track wherever possible and shall generally run at a distance of 3m from the centre of the track but not on the slope of the embankment.

e. Routes crossing tracks and roadways shall wherever possible be at right-angles to the track/roadway.

f. Cable route branches from the main route shall wherever possible run at right angles to the main route.

g. The cable route shall not interfere with drains and waterways.

h. Where the route crosses an existing bridge structure it shall cross through G.I pipe conduits attached to the bridge structure. The fitting arrangement shall be got approved from the Engineer.

i. Cables and conduits will be laid at a minimum depth of 1200mm from the actual ground level to the top of the cables or conduits.

j. The bottom of the trench shall be flat and shall be stable or compacted to be free of voids so that the cables are supported throughout their entire length.

k. The cable routes must be clean and free of rocks and other obstructions to avoid damage to the cable during installation, and throughout service life which may result from vibration or the weight of the cable itself or other forces causing the cable to bear against these sharp obtrusions.

l. All internal corners of the cable route and the entries of pipes and ducts shall have rounded or chamfered edges to avoid damage.

m. Pipes or ducts shall have a smooth bore or internal surface, and shall have adequate diameter of dimensions to enable the cable(s) to be drawn through without damage.

1.3 Excavations

a. The Contractor shall submit for approval by the Engineer, field survey details and plans at least 10 days before any excavation or trenching is commenced.

b. Care shall be taken during any excavation not to damage existing cable, wiring or equipment. The contractor shall bear the full cost of any repair, replacement or making good and return to working order of any damage caused by the Contractor.

c. Any stipulations by the Engineer in regard to the protection of the excavation and the safety of the track or of rail operations must be strictly observed.

d. Work near or under track shall be adequately supported or shored to prevent the collapse of the excavation.

e. Excavation where the general public or where Railways operating staff have access shall be suitably protected by barricades and signs. The excavation or warning signs shall be adequately illuminated at night.

f. Ballast shall be protected at all times by a suitable protective covering from the spoil.

g. Excavations shall be the minimum dimensions necessary for the performance of the work, and excavations for cable trenches shall be of minimum width for the cables/conduits which are to be installed, all other excavations e.g. equipment foundations shall likewise be as small as possible.

h. The Contractor shall ensure that the excavated materials are placed to enable the backfilling in the order, depth, and density of compaction as originally existed.

1.4 Cable laying and backfilling

a. The Engineer will inspect and approve in writing all underground cable installations and other excavations before backfilling. Wherever possible, trenches and other excavations shall be filled within 24 hours of excavation. Co-ordination with the Engineer for inspection of work shall be made to minimize the time. Trenching and backfilling of cable routes shall be undertaken progressively and concurrently so that in normal circumstances the cable trench does not remain open longer than one week, except when the prior approval of the Engineer had been obtained for the trench to remain open for a longer period.

b. Backfilling will normally take up the majority of the excavated spoil. Surplus material after backfilling and compacting shall be deposited on adjacent railway land at locations and in the manner directed by the Engineer.

c. All cables shall be bedded on a 100mm minimum thickness layer of sand. The cables shall be covered by a further 100mm thickness layer of the same sand.

d. The first cable to be laid shall be the Telecommunications cable if applicable. This cable shall be covered by 50mm of approved sand or soft soil. Thereafter the rest of the cables shall be installed. This does not exempt the contractor from meeting the minimum specified signal to noise ratio for communications circuits. The contractor may alternately give spacing of 75mm horizontally.

e. The contractor shall be responsible for making good any subsequent subsidence that occurs during the guarantee at his own expense.

f. In all cases, backfilling shall be consolidated by the contractor to avoid erosion. Where, in the opinion of the Engineer, consistent erosion is likely to occur, cables shall be laid in galvanized iron pipe to avoid future exposure.

g. Trenches and excavations through roads, within the track formation, in station yards, pathways, and platforms shall be compacted by approved methods using mechanical vibrators of an approved type. The compaction shall be carried out after backfill of each 150mm layer. The contractor shall ensure the excavated material is suitable for compaction by these methods. If the excavated material is considered unsuitable it shall be discarded and suitable material such as crushed rock shall be brought in.

h. On completion of backfilling the area shall be left clean and clear of obstructions to the satisfaction of settlement leaving depressions along the alignment of the trench, and generally a small mound of excess fill shall be left along the line of the trench to compensate for future settlement.

i. Where cables are to be laid direct in the ground in rocky locations, they shall be laid in a 50mm bed of clean sand or loam and covered with a 50mm layer of clean sand or loam. The next 150mm layer of backfill shall consist of screened 37mm max aggregate.

j. Where cables are protected by a suitable pipe, the sand bed and cover may be omitted, but the first 150mm layer of backfill shall be screened 37mm max aggregate.

k. For rocky soil when digging beyond 500mm is not possible, the cable shall be laid in RCC pipe duly covered with concrete poured adequately on the top for proper protection and then covered with soil.

1.5 Under Track Crossings

a. Where cables, excepting track circuit rail connections of jumpers, are to be laid under Railway tracks they shall be protected against damage in a manner approved by the Engineer, and shall be installed and fully enclosed in ducts in accordance with the following:-

* Concrete pipes reinforced in a manner approved by the Engineer as a protection against subsistence of the track; or

* Galvanized steel pipes with screwed joints which may be laid direct in the ground without further protection.

b. All ducts and pipes shall be well drained and have all joints effectively sealed, and be of sufficient strength to resist fracture due to track compaction.

c. All ducts and pipes shall be laid not less than 1500 mm below the underside of the track sleepers, but may require to be deeper to align both the cables and route on either side of the track. The pipes and protection shall extend a minimum of 1500 mm from the outside running rail.

d. After installation of any duct or pipe the formation and track bed shall be restored to its original condition.

e. The minimum diameter of pipes shall be 100mm. The number of pipes shall be decided so that no cable has to run tightly from any pipe.

f. The excavation shall be kept to a minimum width and shall generally not exceed the width of one sleeper bed. The Engineer will arrange for the provision and placing in position of temporary track supports considered necessary and their removal on completion of work.

g. The contractor shall give at least 7 days' notice of intention to excavate.

h. The contractor shall propose the method of work in the construction of under track crossings for the approval of the Engineer.

i. Boring or the driving of pipes under the track may be permitted at the absolute discretion of the Engineer.

j. All under track crossings shall be installed at right angles and shall in general be a minimum of two sleeper spacing's clear of rail joints and 2m clear of any rail switches or the crossing area of point's turnouts.

1.6 Under Road Crossings

a. Where any section of a cable route is constructed under a public road it shall be installed with the cables fully enclosed and protected to the following minimum requirements:-

* Concrete pipes reinforced in manner approved by the Engineer minimum diameter 150 mm. or

* Galvanized steel pipes with screwed joints - minimum diameter 100 mm.

b. The minimum depth below the road surface to the top of the uppermost conduits shall be 1500mm. Backfill shall be to the requirements of the concerned Authority and/or National Highway Authority.

c. The number of pipes shall be decided so that no cable has to run tightly from any pipe

d. The contractor shall be responsible for arranging with the Highway Authority, Police Department and any other authorities concerned for the necessary authority to excavate/boring and shall comply with all their requirements in connection therewith. All costs and fees in this connection shall be borne by the contractor. The contractor shall provide all necessary barricades, signs and warning devices required to protect the excavation.

e. Where pipes, cables or conduits of public utilities obstruct the cable route, the Contractor shall lay the Railway conduits, and protect the public utility cables and conduits in such a manner as to avoid interference thereto, or as required by the Public Utility.

1.7 Routes through Platforms

a. Where any section of a cable route is constructed under a platform it shall be fully enclosed and protected to the following minimum requirements:-

* Concrete pipes re-enforced in a manner approved by the Engineer.

* Galvanized steel pipes with screwed joints.

* Minimum diameter of the pipes shall be 100mm.

b. The minimum depth below the platform surface to the top of the uppermost conduits shall be 300mm. Backfill and resurfacing of the platform shall reinstate it to the same condition as before the excavation.

c. Spare pipes shall be installed in the proportion of 20% of the pipes in use rounded up to the whole number and a minimum of two spare pipes. Spare pipes shall be capped with an easily removable cap to prevent inadvertent installation of cables and infiltration of spoil.

1.8 Cable Pits

Cable Pits may be provided where necessary particularly conduit routes through platforms. Proper drainage and sealing shall be provided.

1.9 Cable Laying

a. All cable handling operations shall follow established practices and shall be subject to the approval of the Engineer. Cables shall be laid neatly side by side. Entanglement and bunching shall be avoided at bends, in pits or at entries to equipment and housings.

b. No underground joints shall be permitted. If any joint has to be made, it would be terminated in junction boxes at least 0.5 meter above the normal ground level. Cables shall be laid in as long a length as practicable to minimize in-line joints. Joints shall not in any case be installed within areas of waterways and cable lengths shall be adjusted accordingly.

c. Installation methods shall ensure that the cable is not stressed by tension in excess of manufacturers recommendations and that the specified minimum bending radius is not exceeded either during installation or when in the final position.

d. When cables are hauled, cable grips shall be subject to the approval of the Engineer and the winch apparatus shall have a clutch which can be set to limit the tension being applied.

e. When hauling, due account shall be taken so as not to damage the cable sheath. When hauling through pipes cable shall be hauled from a direction,

which will minimize the length of cable that has to be passed through the pipe.

f. Hauling lubricants shall meet the approval of the Engineer.

g. Rollers shall be used wherever necessary to prevent damage to cables, conduits or pits.

h. Prior to cable hauling, pipe shall be cleaned with a suitable cleaning mandrel to remove any foreign matter which may be injurious to the cable sheath. Draw wires shall be installed in pipe routes during construction of the route and shall be left in position after completion of cable installation.

i. The ends of all cables shall be kept sealed during storage and after installation with a watertight seal to prevent ingress and seepage of water between the cable sheath and cores.

j. Where cables enter signal equipment huts or line side boxes, etc., each core shall be terminated on a separate terminal block in such a way that a sufficient length of core shall be available and nearly disposed so that broken cores can be re-terminated.

1.10 Cable Protection

a. All underground cable routes shall have primary protection in the form of a continuous strip of orange colored "Buried Cable Warning" tape of suitable material strong enough to resist the force of pick axe during re digging, and installed 200mm above the cables or cable conduits. The tape shall have a minimum width of 225mm and at joints between successive lengths of tape an overlap of 2 meters shall be provided. Alternately, bricks may be laid breadth wise above the 100 mm sand layer above the cable.

b. All underground cables entering signals, level crossing equipment, equipment rooms, equipment and cable racks/cases and telephone posts shall enter through the foundation protected by a duct or other covering approved by the Engineer thus affording complete protection of the cables leaving the ground.

c. Underground track circuit cables shall enter the track circuit disconnection box via the steel pipe foundation post. Track circuit rail connection cables laid on the ballast and sleeper between the track disconnection box and rail shall be protected by flexible orange PVC conduit, which shall be impervious to continuous exposure to direct sunlight.

d. Underground cables to point machines and points equipment shall be protected by flexible orange PVC conduit, extending between the point

equipment cable entries glands to the below-ground cable depth and extending a minimum of 500mm along the cable at full depth.

e. Cables shall not normally leave the ground at less than 1500mm from the nearest running rail.

1.11 Cable Route Marking

a. All cable routes shall be designated by cable route markers. The markers shall be placed at every 30 meters on straight runs and at all deviations and branches of the cable route.

b. The cable markers shall be high strength concrete blocks of length 75 cm, top 15x15 cm square and bottom 22x22 cm square. The marker shall be 15 cm above ground level on the cable trench and letter "C" with an arrow indicating the direction of cable shall be engraved on the side of marker. The portion of the marker above ground level shall be painted white and engraved letter "C" in black.

1.12 Cable Route Records

a. The location of all underground cable runs shall be recorded by the Contractor on scale plans.

b. The plans shall show the alignment, depth and distance from track of all cable routes; the type of route; the number of cables; the cable destination; cable core size; number of spare cores in each cable; the number of conduits and spare conduits; cable pits; etc.

c. The contractor shall submit for approval all corrected cable plans within 30 days after the commissioning.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

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1. **NOMENCLATURES** Signal Cable size 1.5 mm^2 Multi Core PVC or PE insulated PVC sheathed steel wire / tape armoured over all PVC 600 / 1000 Volts grade.

2. **MAKE UP CHARACTERISTICS**

i)	Rated voltage	600 / 1000 Volts
ii)	Conductor	The conductor shall be solid Circular and formed from plain annealed copper complying to BS 6360 having nominal cross-sectional area of 1.5 mm^2.
iii)	Insulation	The insulation shall be PVC or PE compound complying with requirements of BS 6746.
iv)	Identification	For cable upto four cores shall be identified by Colour of PVC and shall be numbered for cable having five cores or above.
v)	Laying Up	The cores of cable shall be laid with right hand direction of lay. where necessary non-hygroscopic filters may be applied. Twisted pair of conductors shall be preferred.
vi)	Bedding	The cable shall have an extruded layer of BS 6746 Type TMI TM2 or Type 6 Compound complying with requirements of BS 6746.
vii)	Armour	Wire Armour consisting of a single layer of galvanized steel wire as per BS 6346 or steel tape armour consisting of two layers of steel strip.
viii)	Over Sheath	The over-sheath shall be black PVC complying with BS 6346 for Type TMI.
ix)	Marking	As per BS-6346.
x)	Conductor Resistance	The maximum resistance of conductor shall be 12.1 Ohms Per KM at 20 ^{0} C (BS-6346).
xi)	Insulation Resistance	Insulation resistance between conductors and between conductor and armour shall not be less than 100 Mega Ohm / KM at 20 ^{0} C.
xii)	Test Voltage	The Test Voltage shall be 3000 Volts AC RMS Maintained at full value for 5 minutes without break down of Insulation
xiii)	Installation Radius	The cable shall not get damaged if bent to a minimum internal radius of 6 times the over all diameter of the cable (BS-6346).

for Chief Signal Engineer

Contd... P/2

C. S. E. SPEC NO. 2 – CABLES (R-3)

REQUIREMENTS

i) Suitable for under ground laying as well as suitable for passing through RCC Pipe and G.I. Pipe.

ii) Anti-corrosive.

iii) Termite and rodent repellent.

iv) Impervious to salt and chemicals.

v) Suitable to withstand jerks and vibrations.

vi) Cable drum shall be strong enough so that the cable is not damaged during loading / un-loading.

vii) Each drum shall contain one continuous length of cable.

viii) Each drum shall have a standard hole at the center so that it may be hanged on an axle and jacks for un-loading the cable at the time of lying.

ix) The drum shall be such as to accommodate not more than 1000 Metes length of the cable having conductors upto 14 and 500 Meter of cable having more than 14 conductors.

x) The ends of the cable on the drum must be properly sealed.

LIFE

The life or the cable shall not be less than 25 years.

TECHNICAL LITERATURE

Each bidder must submit printed technical literature showing the characteristics and technical data of the cable offered.

MANUFACTURERS

i) The manufacturers of the cable should have sufficient experience and facilities for manufacturing the cable on international standards.

ii) They must have relevant BS EN ISO 9001-2000 (or latest) Certification from world reputed agencies for manufacturing and marketing of Electric wires and Cables.

for Chief Signal Engineer

Contd..... P/3

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TESTING

a) Testing of the cable shall be carried out by the Representative of the Chief Signal Engineer in the factory premises for high voltage, Insulation Resistance, D.C Resistance etc. as per governing BS Specifications. All testing facilities shall be provided by the supplier.

b) Sample of the cable from each drum shall be taken to carry out chemical and mechanical tests as per specification in the Railway Laboratory. In case facilities are not available, these tests shall be arranged from UET / Lahore or PCSIR / Lahore at the cost of supplier.

c) Railway Inspector may visit the factory off and on during manufacturing process of the cable.

for Chief Signal Engineer 13/11/2017

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

PARTICULAR CONTRACT CONDITION

(i) Technical Performance Guarantee and Defects Liability Period

1. Defects Liability / Warranty Period

The Contractor shall provide a warranty of **Twelve (12) Months (One Year)** commencing from the date of issuance of the Certificate of Completion of Works by the Employer/Engineer.

2. Technical Performance Requirements

During the warranty period, the Contractor shall ensure that all completed works, materials, equipment, installations and workmanship comply with the approved specifications, drawings, technical standards and contractual requirements.

3. Rectification of Defects

The Contractor shall, at its own cost and expense, rectify any defects, deficiencies, failures, damages or poor workmanship identified during the defect liability period. Such rectification shall be carried out within the timeframe specified by the Employer/Engineer, without any additional financial liability to the Employer.

4. Performance Responsibility

The Contractor shall remain fully responsible for the satisfactory performance of the completed works throughout the twelve (12) months warranty period.

5. Release of Final Payment / Retention Money

The remaining ten percent (10%) of the Contract Price shall be released to the Contractor upon successful completion of the twelve (12) months defect liability period, subject to satisfactory performance of the works and rectification of all outstanding defects, in accordance with Clause 11.4 of the Conditions of Contract.

6. Failure to Rectify Defects

In case the Contractor fails to rectify any notified defect within the specified period, the Employer shall have the right to arrange rectification through another agency at the Contractor's risk and cost, subject to the provisions of the Contract.

(ii) **TERMS OF PAYMENTS**

Payment of the Contract Price shall be made in the following manner:

i) Sixty percent (60%) of the contract price shall be paid upon complete procurement of all material and delivery at site in accordance with the Conditions of Contract.

ii) Forty percent (40%) of the contract price shall be paid upon issuance of the Certificate of Completion in all respect in accordance of the Conditions of Contract.

iii) Ten percent (10%) will be detected from each bill/ payment as retention money.

iv) The amount detected as retention money shall be paid upon expiry of the 365 days defect liability period (DLP), subject to satisfactory performance of the completed works and rectification of all defects, in accordance with the Conditions of Contract.

(iii) **Period for Remedying Defects:** Twelve (12) months (365 days) from the date of issuance of the Certificate of Completion.

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: _____	

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

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	

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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:	

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

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

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

Name of Bidder

Position [*#1*]: [*title of position from Form PER-1*]		
Personnel information	**Name:**	**Date of birth:**
	Address:	**E-mail:**
	Professional qualifications:	
	Academic qualifications:	
	Language proficiency:*[language and levels of speaking, reading and writing skills]*	
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**
[main project details]	*[role and responsibilities on the project]*	*[time in role]*	*[describe the experience relevant to this position]*

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 orKey Personnel is available to work on this contract]*
Time commitment:	*[insert period (start and end dates) for which this Contractor's Representative orKey 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): _____

Financial Resources

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

No.	**Source of financing**	**Amount (Eq. PKR)**
1		
2		
3		

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Past Experience / Contracts

Contracts over *[insert amount]* during the last three years:				
Procuring Agency	Value	Year	Goods/Services Supplied	Country of Destination

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Current Contract Commitments / Works in Progress

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

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

Financial Situation and Performance

[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

1. Financial data

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

* Refer ITA 14 for the exchange rate

3. Financial documents

The Applicant and in case of JV, members of JV shall provide copies of financial statements for *[number]* years pursuant Section III, Qualifications Criteria and Requirements. The financial statements shall:

(a) reflect the financial situation of the Applicant or in case of JV member, and not an affiliated entity (such as parent company or group member).

(b) be independently audited or certified in accordance with local legislation.

(c) be complete, including all notes to the financial statements.

(d) correspond to accounting periods already completed and audited.

☐ Attached are copies of financial statements[1] for the *[number]* years required above; and complying with the requirements.

[1] If the most recent set of financial statements is for a period earlier than 12 months from the date of Application, the reason for this should be justified.

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**
[indicate calendar year]	*[insert amount and indicate currency]*		
		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.