

**BIDDING DOCUMENTS**

**FOR**

**UPGRADATION OF SEWERAGE SYSTEM AND CONSTRUCTION OF  
WASTE WATER TREATMENT PLANT (WWTP) GOJRA CITY  
PACKAGE 1 – SEWERAGE SYSTEM**



Local Government &  
Community Development  
Government of the Punjab

**September 2023**

**MC GOJRA**

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# **INVITATION FOR BIDS**

### **TENDER NOTICE**

Municipal Committee, Gojra (MC Gojra) (hereinafter referred to as the "client"), invites the sealed bids from Contractors / firms / Manufacturer / Authorized dealers registered with **FBR & PRA (NTN, STRN and PNTN)**. The scope of work is as under:

S. #	Description	Estimated Cost (Rs.)	Bid Security (Rs.)	PEC Category and Specialization	Date and time of closing	Date and time of opening
<b>UPGRADATION OF SEWERAGE SYSTEM AND CONSTRUCTION OF WASTE WATER TREATMENT PLANT (WWTP) GOJRA CITY</b>						
1	PACKAGE 1 – SEWERAGE SYSTEM	366,066,846	7,321,337	C3 & Above with CE-09	19.09.2023 12:00 P.M	19.09.2023 12:30 P.M
2	PACKAGE 3 – PROVIDING AND FIXING OF RPC MANHOLE COVER	10,278,945	205,579	C6 & Above with CE-09	19.09.2023 01:30 P.M	19.09.2023 02:00 P.M
3	PACKAGE 5 – SUPPLY OF LIQUID WASTE MACHINERY	5,669,500	112,460	Not Applicable	19.09.2023 03:00 P.M	19.09.2023 03:30 P.M

2. Each applicant may apply in any of the projects by rendering a separate request for every project and submission of unique / non-identical requisites against each project, required in bidding documents. (Same working experience, financial soundness and other resources for more than one project will not be acceptable).

3. The bidding documents are available immediately after publication (2014 Punjab Procurement Rule 25(1)) at the office of **Municipal Officer (I&S), Municipal Committee Gojra** and a complete set of Bidding Documents can be obtained on submission of written application along with deposited slip of Bank of Punjab in the favour of Municipal Committee Gojra for Rs.10,000/- (non-refundable fee) for every project. Bidding documents shall be issued to owner of the firm by showing original CNIC and / or to Authorized representative of firm having authority letter with specimen signature of representative of firm along with original CNIC.

4. **Single stage two envelopes** bidding procedure will be adopted. The Bids (**Technical & Financial**) prepared in accordance with the instructions given in the Bidding Documents must be accompanied by a Bid Security **given above** in shape of CDR / Bank Guarantee from any Scheduled Bank in Pakistan in the name of the Chief Officer, Municipal Committee Gojra. Last date for purchase of bidding documents is **18-09-2023**. The Bids (**Technical & Financial**) must be delivered in the office of Chief Officer, Municipal Committee Gojra. The Technical bids will be opened on **19-09-2023** in presence of the bidder / bidder's representatives who choose to present.

5. Only technically responsive bidder(s) will be qualified for opening of financial bid(s). Financial bid(s) of bidder(s) found technically nonresponsive shall be returned unopened to the bidder(s).

6. The procuring Authority may reject all bids or proposals at any time prior to the acceptance of a bid or proposal under Punjab Procurement Rules 2014 (**Rule-35**).

7. Conditional tender will not be accepted.

8. Tendered rates and amount should be filled in figures as well as in words and tenders should be signed as per general directions given in the tender documents.

9. In case the total tendered amount is equal to or less than 5% of the approved estimated (DNIT) amount, the lowest bidder will have to deposit quality assurance security equal to the amount difference between approved DNIT amount and the quoted bid amount from the Scheduled Bank within 15 days of issuance of notice or within expiry period of bid, whichever is earlier.

10. The bids will be valid for 120 days.

11. In case, the last date of bid submission falls in / within the official holiday(s), the last date for submission of the bids shall be the next working day.

12. A pre-bid meeting will be held on **Sep 12, 2023 at 12:00, 01:00 and 02:00 PM**, or any other date and time which may separately be notified by the Client to clarify any queries and to answer any questions on matters related to the bidding documents for aforementioned projects respectively.

**Chief Officer  
Municipal Committee  
Gojra**

**Administrator  
Municipal Committee  
Gojra**

# **INSTRUCTIONS TO BIDDERS**

## **INSTRUCTIONS TO BIDDERS**

### **A. GENERAL**

#### **IB.1 Scope of Bid**

The Client “Chief Officer MC Gojra” intends “**UPGRADATION OF SEWERAGE SYSTEM AND CONSTRUCTION OF WASTE WATER TREATMENT PLANT (WWTP) GOJRA CITYPACKAGE 1 – SEWERAGE SYSTEM**”

Identification and number of Contract is: \_\_\_\_\_

#### **IB.2 Source of Funds**

2.1 The Source of fund is mentioned in bidding data.

#### **IB.3 Eligible Bidders**

3.1 The bidder (Firm/ Joint Venture) must fulfill the basic eligibility criteria as per Appendix – M to Bid.

#### **IB.4 One Bid per Bidder**

4.1 Each bidder shall submit only one bid either by himself, or as a partner in a joint venture. A bidder who submits or participates in more than one bid (other than alternatives pursuant to Clause IB.16) will be disqualified.

#### **IB.5 Cost of Bidding**

5.1 The Bidder shall bear all costs associated with the preparation and submission of their respective Bids and the Employer will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the Bidding process.

#### **IB.6 Site Visit**

6.1 The Bidders are advised to visit and examine the Site of Works and its surroundings and obtain for themselves on their own responsibility all information that may be necessary for preparing the Bid and entering into a contract for construction of the Works. All cost in this respect shall be at the Bidder’s own expense.

6.2 The Bidders and any of their personnel or agents would be free to visit site for the purpose of such inspection, but only upon the express condition that the Bidders, their personnel and agents, will release and indemnify the Employer, his personnel and agents 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 such inspection.

### **B. BID DOCUMENTS**

#### **IB.7 Documents Comprising the Bid**

7.1 The Bid Documents are those stated below and should be read in conjunction with any Addenda issued in accordance with Clause IB.9.

1. Instructions to Bidders
2. Bidding Data Sheet



3. Special Stipulations
4. Form of Bid & Appendices to Bid
5. Bill of Quantities (Appendix-D to Bid)
6. Form of Bid Security
7. Form of Contract Agreement
8. Forms of Performance Guarantee and Mobilization Advance Guarantee and Form of Indemnity Bond for Secured Advance
9. Special Provisions
10. Environment & Social Management & Monitoring Plan

7.2 The Bidders are expected to examine carefully the contents of all the above documents. Failure to comply with the requirements of Bid submission will be at the Bidders own risk. Pursuant to Clause IB.26, Bids which are not substantially responsive to the requirements of the Bid Documents will be rejected.

#### **IB.8 Clarification of Bid Documents**

8.1 Any prospective bidder requiring any clarification(s) in respect of the Bidding Documents may notify the Employer in writing at the Employer's address indicated in the Invitation for Bids. The Employer will respond to any request for clarification which he receives earlier than 7 days prior to the deadline for submission of bids. Copies of the Employer's response will be forwarded to all purchasers of the Bidding Documents, including a description of the enquiry but without identifying its source.

#### **IB.9 Amendment of Bid Documents**

9.1 At any time prior to the deadline for submission of Bids, the Employer may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective Bidder, modify the Bid Documents by issuing addendum.

9.2 Any addendum thus issued shall be part of the Bid Documents pursuant to IB 7.1 hereof and shall be communicated in writing to all purchasers of the Bid Documents. Prospective Bidders shall acknowledge receipt of each addendum in writing to the Employer.

9.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their Bids, the Employer may extend the deadline for submission of Bids in accordance with Clause IB.20.

### **C. PREPARATION OF BIDS**

#### **IB.10 Language**

10.1 The Bid and all correspondence and documents related to the Bid exchanged by a Bidder and the Employer shall be in the bid language stipulated in the Bidding Data Sheet and conditions of Particular Application. Supporting documents and printed literature furnished by the Bidders may be in any other language provided the same are accompanied by an accurate translation of the relevant parts in the English language, in which case, for purposes of evaluation of the Bid, the English translation shall prevail.

#### **IB.11 Documents Accompanying the Bid**

11.1 The Bid shall comprise two envelopes submitted simultaneously, one called the Technical Bid and the other the Financial Bid, containing the documents listed in Bidding Data Sheet under the heading of IB 11.1 A & B respectively. Both envelopes to be enclosed together

in an outer single envelope called the Bid. Each bidder shall furnish all the documents as specified in Bidding Data Sheet 11.1 A& B

11.2 Bids submitted by a JV shall include a copy of the Joint Venture Agreement (in line with PEC JV modalities) entered into by all partners. Alternatively, a Letter of Intent to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all partners and submitted with the bid, together with a copy of the proposed agreement (in line with PEC JV modalities). The role to be played by each partner to be specified therein. Bids submitted by a joint venture of two (2) or more firms shall comply with the following requirements: -

- (a) In case of a successful bid, the Form of JV Agreement shall be signed so as to be legally binding on all partners within 7 days of the receipt of letter of acceptance failing which the contract and the letter of acceptance shall stand void and redundant.
- (b) One of the joint venture partners shall be nominated as being in charge; and this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the joint venture partners;
- (c) The partner-in-charge shall always be duly authorized to deal with the Employer regarding all matters related with and/or incidental to the execution of Works as per the terms and Conditions of JV Agreement and in this regard to incur any and all liabilities, receive instructions, give binding undertakings and receive payments on behalf of the joint venture;
- (d) All partners of the joint venture shall at all times and under all circumstances be liable jointly and severally for the execution of the Contract in accordance with the Contract terms and a statement to this effect shall be included in the authorization mentioned under Sub-Para (b) above as well as in the Form of Bid and in the Form of JV Agreement (in case of a successful bid); and
- (e) A copy of JV agreement shall be submitted before signing of the Contract, stating the conditions under which JV will function, its period of duration, the persons authorized to represent and obligate it and which persons will be directly responsible for due performance of the Contract and can give valid receipts on behalf of the joint venture, the proportionate participation of the several firms forming the joint venture, and any other information necessary to permit a full appraisal of its functioning. The JV Agreement shall be made part of the contract. No amendments / modifications whatsoever in the joint venture agreement shall be agreed to between the joint venture partners without prior written consent of the Employer

11.3 The Bidder shall furnish, as part of the Technical Bid, a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated Bidding Forms, in sufficient detail to demonstrate the adequacy of the Bidders' proposal to meet the work requirements and the completion time referred to in Sub-Clause 1.2 hereof.

## **IB.12 Bid Prices**

12.1 Unless stated otherwise in the Bid Documents, the Contract shall be for the whole of the Works as described in IB 1.1 hereof, based on the unit rates and / or prices submitted by the Bidder.

12.2 The Bidders shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by a Bidder will not be paid for

by the Employer when executed and shall be deemed covered by rates and prices for other items in the Bill of Quantities.

- 12.3 All duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, throughout the duration of the Contract except PRA, shall be included in the rates and prices and the total Bid Price submitted by a bidder.

### **IB.13 Currencies of Bid and Payment**

- 13.1 The unit rates and the prices shall be quoted by the bidder entirely in Pak rupees only.

### **IB.14 Bid Validity**

- 14.1 Bids shall remain valid for the period stipulated in the Bidding Data Sheet after the Date of Bid Opening specified in sub-clause IB.23.
- 14.2 In exceptional circumstances, prior to expiry of the original Bid validity period, the Employer may request that the Bidders extend the period of validity for a specified additional period which shall in no case be more than the original bid validity period or 180 days whichever is more. The request and the responses thereto shall be made in writing. A Bidder may refuse the request without forfeiting his Bid Security. A Bidder agreeing to the request will not be required or permitted to modify his Bid, but will be required to extend the validity of his Bid Security for the period of the extension, and in compliance with Clause IB.15 in all respects.

### **IB.15 Bid Security**

- 15.1 Each Bidder shall furnish, as part of his Bid, a Bid Security in the amount stipulated in the Bidding Data Sheet in Pak Rupees.
- 15.2 The Bid Security shall be, at the option of the bidder, in the form of Deposit at Call or a Bank Guarantee issued by a Scheduled Bank in Pakistan in favor of the Employer valid for a period 28 days beyond the Bid Validity date.
- 15.3 Any Bid not accompanied by an acceptable Bid Security/Earnest money shall be rejected by the Employer as non-responsive.
- 15.4 The Bid security of unsuccessful bidder will be returned by adopting the following mechanism:
- a) Written request certifying that bidder has no objection or grievance against the Procurement process.
  - b) Time for grievance period as provided by Punjab Procurement Rules-2014 has expired.
  - c) If he filed a grievance and same is dismissed by the Grievance Committee.
- 15.5 The Bid Security of the successful Bidder will be returned when the Bidder has furnished the required Performance Guarantee and signed the Agreement.
- 15.6 The Bid Security may be forfeited:
- (a) If the bidder withdraws his bid except as provided in IB 22.1;
  - (b) If the Bidder does not accept the correction of his Bid Price pursuant to IB 27.2 hereof; or
  - (c) In the case of successful Bidder, if he fails within the specified time limit to:
    - (i) Furnish the required Performance Guarantee, or

- (ii) Sign the Agreement.
- (iii) Furnish the required JV agreement within 7-days of the receipt of letter of acceptance.

#### **IB.16 Alternate Proposals by Bidder**

Not Applicable

#### **IB.17 Pre-Bid Meeting**

- 17.1 The Employer may, on his own motion or at the request of any prospective Bidder(s), hold a pre-bid meeting to clarify issues and to answer any questions on matters related to the Bid Documents. The date, time and venue of pre-bid meeting, if convened, is as stipulated in the Bidding Data Sheet. All prospective Bidders or their authorized representatives shall be invited to attend such a pre-bid meeting.
- 17.2 The Bidders are requested to submit questions, if any, in writing so as to reach the Employer not later than one week before the proposed pre-bid meeting.
- 17.3 Minutes of the pre-bid meeting in shape of response to queries or suggestions of the bidders, including the text of the questions raised and the replies given, will be transmitted without delay to all purchasers of the Bid documents. Any modification of the Bid documents listed in IB 7.1 hereof which may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause IB.9 and not through the minutes of the pre-bid meeting.
- 17.4 Absence at the pre-bid meeting will not be a cause for disqualification of a Bidder.
- 17.5 All the concerned teams of client and consultant including Environmental and Social Management Team will be present to attend the queries / questions / clarifications of the bidders.

#### **IB.18 Format and Signing of Bid**

- 18.1 Bidders are particularly directed that the amount entered on the Form of Bid shall be for performing the Contract strictly in accordance with the Bid Documents.
- 18.2 All appendices to Bid are to be properly completed and signed.
- 18.3 No alteration is to be made in the Form of Bid nor in the Appendices thereto except in filling up the blanks as directed. If any such alterations be made or if these instructions be not fully complied with, the Bid may be rejected.
- 18.4 Each Bidder shall prepare by filling out the forms completely and without alterations one (1) original and number of copies, specified in the Bidding Data, of the documents comprising the Bid as described in Clause IB.7 and clearly mark them "ORIGINAL" and "COPY" as appropriate. In the event of discrepancy between them, the original shall prevail.
- 18.5 The original and all copies of the Bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as specified in the Bidding Data Sheet and shall be attached to the bid. The name and position held by each person signing the authorization must be

typed or printed below the signature. All pages of the Bid, except for un-amended printed literature, shall be signed or initialed by the person signing the bid.

- 18.6 Any amendments such as interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the bid.
- 18.7 Bidders shall indicate in the space provided in the Letter of Technical and Financial Bids, their full and proper addresses at which notices may be legally served on them and to which all correspondence in connection with their bids and the Contract is to be sent.
- 18.8 Bidders should retain a copy of the Bidding Documents as their file copy.

## **D. SUBMISSION OF BIDS FOR SINGLE STAGE TWO ENVELOPE PROCEDURE**

### **IB.19 Sealing and Marking of Bids**

- 19.1 Each Bidder shall submit his Bid as under:
  - (a) ORIGINAL and each copy of the Bid shall be separately sealed and put in separate envelopes and marked as such.
  - (b) The envelopes containing the ORIGINAL and copies will be put in one sealed envelope and addressed / identified as given in Sub- Clause 19.2 hereof.
  - (c) The technical bid should comprise of documents listed in IB11.1 (A) & the Financial Bid should comprise of documents listed in IB 11.1 (B) which shall be placed in separate envelopes in accordance with IB 11.1.
- 19.2 The inner and outer envelopes shall;
  - (a) Be addressed to the Employer at the address provided in the Bidding Data Sheet.
  - (b) Bear the name and identification number of the contract as defined in the Bidding Data Sheet, and;
  - (c) Provide a warning not to open before the time and date for bid opening, as specified in the Bidding Data Sheet.
- 19.3 In addition to the identification required in IB 19.2 hereof, the inner envelope shall indicate the name and address of the Bidder to enable the Bid to be returned unopened in case it is declared "late" pursuant to Clause IB.21
- 19.4 If the outer envelope is not sealed and marked as above, the Employer will assume no responsibility for the misplacement or premature opening of the Bid.

### **IB.20 Deadline for Submission of Bids**

- 20.1 (a) Bids must be received by the Employer at the address specified no later than the time and date stipulated in the Bidding Data Sheet
- (b) Bids with charges payable will not be accepted, nor will arrangements be undertaken to collect the Bids from any delivery point other than that specified above. Bidders shall bear all expenses incurred in the preparation and delivery of Bids. No claims will be entertained for refund of such expenses.

- (c) Where delivery of a Bid is by mail and the Bidder wishes to receive an acknowledgment of receipt of such Bid, he shall make a request for such acknowledgment in a separate letter attached to but not included in the sealed Bid package.
  - (d) Upon request, acknowledgment of receipt of Bids will be provided to those making delivery in person or by messenger.
- 20.2 The Employer may, at his discretion, extend the deadline for submission of Bids by issuing an amendment in accordance with Clause IB.9, in which case all rights and obligations of the Employer and the Bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.

#### **IB.21 Late Bids**

- 21.1 (a) Any Bid received by the Employer after the deadline for submission of Bids prescribed in Clause IB.20 will be returned unopened to such Bidder.
- (b) Delays in the mail, delays of person in transit, or delivery of a Bid to the wrong office shall not be accepted as an excuse for failure to deliver a Bid at the proper place and time. It shall be the Bidder's responsibility to determine the manner in which timely delivery of his Bid will be accomplished either in person, by messenger or by mail.

#### **IB.22 Modification and Withdrawal of Bids**

- 22.1 Any Bidder may modify or withdraw his Bid after Bid submission provided that written notice of the modification or withdrawal is received by the Employer prior to the deadline for submission of Bidders.
- 22.2 The modification, substitution, or notice for withdrawal of any bid shall be prepared, sealed, marked and delivered in accordance with the provisions of Clause IB.19 with the outer and inner envelopes additionally marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" as appropriate.
- 22.3 No Bid may be modified by a Bidder after the deadline for submission of Bids except in accordance with IB 22.1 and 27.2.
- 22.4 Withdrawal of a Bid during the interval between the deadline for submission of Bids and the expiration of the period of Bid validity specified in the Form of Bid may result in forfeiture of the Bid Security in pursuance to Clause IB.15.

### **E. BID OPENING AND EVALUATION SINGLE STAGE TWO ENVELOPE PROCEDURE**

#### **IB.23 Bid Opening**

- 23.1 The Employer will open the Technical Bids in public at the address, date and time specified in the Bidding Data Sheet in the presence of Bidders' designated representatives and anyone who choose to attend. The Financial Bids will remain unopened and will be held in custody of the Employer until the specified time of their opening.
- 23.2 First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelope with the corresponding bid shall not be opened, but returned to the Bidder. No bid withdrawal

shall be permitted unless the corresponding Withdrawal Notice contains a valid authorization to request the withdrawal and is read out at bid opening.

- 23.3 Second, outer envelopes marked “SUBSTITUTION” shall be opened. The inner envelopes containing the Substitution Technical Bid and/or Substitution Financial Bid shall be exchanged for the corresponding envelopes being substituted, which are to be returned to the Bidder unopened. Only the Substitution Technical Bid, if any, shall be opened, read out, and recorded. Substitution Financial Bid will remain unopened in accordance with IB .23.1. No envelope shall be substituted unless the corresponding Substitution Notice contains a valid authorization to request the substitution and is read out and recorded at bid opening
- 23.4 Next, outer envelopes marked “MODIFICATION” shall be opened. No Technical Bid and/or Financial Bid shall be modified unless the corresponding Modification Notice contains a valid authorization to request the modification and is read out and recorded at the opening of Technical Bids. Only the Technical Bids, both Original as well as Modification, are to be opened, read out, and recorded at the opening. Financial Bids, both Original and Modification, will remain unopened in accordance with IB 23.1. The Bidders’ representatives who are present shall be requested to sign the record. The omission of a Bidder’s signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to all Bidders.
- 23.5 Other envelopes holding the Technical Bids shall be opened one at a time, and the following read out and recorded:
- (a) The name of the Bidder;
  - (b) Whether there is a modification or substitution;
  - (c) The presence of a Bid Security, if required; and
  - (d) Any other details as the Employer may consider appropriate.

No Bid shall be rejected at the opening of Technical Bids except for late bids, in accordance with IB21.1. Only Technical Bids read out and recorded at bid opening, shall be considered for evaluation

- 23.6 Pre-liminary Examination of Technical Bids
- (a) The Employer shall first examine qualification and experience Data as per appendix M and N submitted by the Bidder. The technical proposal examination of those bidders only shall be taken in hand who meet the minimum requirement as mentioned in appendix M and N. Only substantially responsive qualification shall be considered for further evaluation.
  - (b) The Employer shall examine the Technical Bid to confirm that all the documents have been provided, and to determine the completeness of each document submitted
- 23.7 The Employer shall confirm that all the documents and information have been provided for evaluation of Technical bid as required under these bidding documents.
- 23.8 At the end of the evaluation of the Technical Bids, the Employer will invite only those bidders who have submitted substantially responsive Technical Bids and who have been determined as being qualified for award to attend the opening of the Financial Bids. The date, time, and location of the opening of Financial Bids will be advised in writing by the Employer. Bidders shall be given reasonable notice for the opening of Financial Bids.

- 23.9 The Employer will notify Bidders in writing who have been rejected on the grounds of their Technical Bids being substantially non-responsive to the requirements of the Bidding Document and return their Financial Bids unopened before inviting others, who are determined as being qualified, to attend the opening of Financial Bids.
- 23.10 The Employer shall conduct the opening of Financial Bids of all Bidders who submitted substantially responsive Technical Bids, publicly in the presence of Bidders' representatives who choose to attend at the address, date and time specified by the Employer. The Bidder's representatives who are present shall be requested to sign a register evidencing their attendance.
- 23.11 All envelopes containing Financial Bids shall be opened one at a time and the following read out and recorded:
- (a) The name of the Bidder;
  - (b) Whether there is a modification or substitution;
  - (c) The Bid Prices, including any discounts and alternative offers; and
  - (d) Any other details as the Employer may consider appropriate.

Only Financial Bids and discounts, read out and recorded during the opening of Financial Bids shall be considered for evaluation. No Bid shall be rejected at the opening of Financial Bids.

- 23.12 If this Bidding Document allows Bidders to quote separate prices for different contracts, and the award to a single Bidder of multiple contracts, the methodology to determine the lowest evaluated price of the contract combinations is that which is most economical to the Employer.

#### **IB.24 Process to be Confidential**

- 24.1 Information relating to the examination, clarification, evaluation and comparison of bid and recommendations for the award of a contract shall not be disclosed to bidders or any other person not officially concerned with such process before the announcement of bid evaluation report which shall be done at least ten (10) days prior to issue of Letter of Acceptance. The announcement to all Bidders will include table(s) comprising read out prices, discounted prices, price adjustments made, final evaluated prices and recommendations against all the bids evaluated. Any effort by a bidder to influence the Employer's processing of bids or award decisions may result in the rejection of such bidder's bid. Whereas any bidder feeling aggrieved may lodge a written complaint not later than ten (10) days after the announcement of the bid evaluation report; however mere fact of lodging a complaint shall not warrant suspension of the procurement process.

#### **IB.25 Clarification of Bids**

- 25.1 To assist in the examination, evaluation and comparison of Bids, the Employer may, at his discretion, ask any Bidder for clarification of his Bid, including breakdowns of unit rates. The request for clarification and the response shall be in writing but no change in the price or substance of the Bid shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Bids in accordance with Clause IB.28.



- 25.2 If a Bidder does not provide clarifications of its Bid by the date and time set in the Employer's request for clarification, its bid may be rejected

#### **IB.26 Examination of Bids and Determination of Responsiveness**

- 26.1 Prior to the detailed evaluation of bids, the Employer will determine whether each bid is substantially responsive to the requirements of the Bidding Documents.
- 26.2 A substantially responsive bid is one which (i) meets the eligibility criteria; (ii) has been properly signed; (iii) is accompanied by the required Bid Security; (iv) Includes signed Integrity Pact where required as per clause IB.35 and (v) conforms to all the terms, conditions and specifications of the Bidding Documents, without material deviation or reservation. A material deviation or reservation is one (i) which affect in any substantial way the scope, quality or performance of the Works; (ii) which limits in any substantial way, inconsistent with the Bidding Documents, the Employer's rights or the bidder's obligations under the Contract; (iii) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids. Only substantially responsive bid shall be considered for further evaluation.
- 26.3 If a bid is not substantially responsive, it may not subsequently be made responsive by correction or withdrawal of the non-conforming material deviation or reservation. The Employer may, however, seek confirmation/ clarification in writing or by email which shall be responded accordingly.

#### **IB.27 Correction of Errors**

- 27.1 Bids determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:
- (a) Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern; and
  - (b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern, unless in the opinion of the Employer there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line item total as quoted will govern and the unit rate will be corrected.
- 27.2 The amount stated in the Letter of Financial Bid will be adjusted by the 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 Bid Price, his Bid will be rejected, and the Bid Security shall be forfeited in accordance with IB 15.6(b) hereof.

#### **IB.28 Evaluation and Comparison of Bids**

- 28.1 The Employer will evaluate and compare only the Bids determined to be substantially responsive in accordance with Clause IB.26.
- 28.2 In evaluating the Bids, the Employer will determine for each Bid the evaluated Bid Price by adjusting the Bid Price as follows:-
- (a) Making any correction for errors pursuant to Clause IB.27

- (b) Excluding Provisional Sums and the provision, if any, for contingencies in the Summary Bill of Quantities, but including competitively priced Day work.
  - (c) Making an appropriate adjustment for any other acceptable variation or deviation.
- 28.3 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.
- 28.4 If the Bid of the successful Bidder is seriously imbalanced in relation to the Employer's estimate of the cost of work to be performed under the Contract, 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, the Employer may require that the amount of the Performance Guarantee set forth in IB.32 be increased at the expense of the successful Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract.

## **F. AWARD OF CONTRACT**

### **IB.29 Award**

- 29.1 Subject to Clauses IB.30 and IB.34, the Employer will award the Contract to the bidder whose bid has been determined to be substantially responsive to the Bidding Documents and who has offered the lowest evaluated Bid Price, provided that such bidder has been determined to be eligible in accordance with the provisions of Clause IB.3 and qualify pursuant to IB 29.2.
- 29.2 The Employer, at any stage of the bid evaluation, having credible reasons for or *prima facie* evidence of any defect in Bidder's capacities, may require the bidders to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not:

Provided that such qualification shall only be laid down after recording reasons in writing. They shall form part of the records of that bid evaluation report

### **IB.30 Employer's Right to Accept any Bid and to Reject any or all Bids**

- 30.1 Notwithstanding Clause IB.29, the Employer reserves the right to accept or reject any Bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected bidders or any obligation except that the grounds for rejection of all bids shall upon request be communicated to any bidder who submitted a bid, without justification of grounds. Rejection of all bids shall be notified to all bidders promptly.

### **IB.31 Notification of Award**

- 31.1 Prior to expiration of the period of bid validity prescribed by the Employer, the Employer will notify the successful bidder in writing ("Letter of Acceptance") that his Bid has been accepted. This letter shall name the sum which the Employer will pay the Contractor in consideration of the execution and completion of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Conditions of Contract called the "Contract Price").

- 31.2 No Negotiation with the bidder having evaluated as lowest responsive or any other bidder shall be permitted, However, the lowest evaluated bidder may further reduce the Bid Price voluntarily without compromising the quality/ quantity.
- 31.3 The notification of award and its acceptance by the bidder will constitute the formation of the Contract, binding the Employer and the bidder till signing of the formal Contract Agreement.
- 31.4 Upon furnishing by the successful bidder of a Performance Guarantee, the Employer will promptly notify the other bidders that their Bids have been unsuccessful. No bid security can be returned without exhausting the grievance period or without finally disposing off the complaint of the non-responsive bidder. However, bid security may be returned earlier if any bidder submits affidavit that he is satisfied with the proceedings and hence his bid security may be returned.

#### **IB.32 Performance Guarantee**

- 32.1 The successful bidder shall furnish to the Employer a Performance Guarantee in the form and the amount stipulated in the Bidding Data Sheet and the Conditions of Contract within a period of 15 days after the receipt of Letter of Acceptance.
- 32.2 Failure of the successful bidder to comply with the requirements of IB.32.1 or IB.33 or IB.35 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.

#### **IB.33 Signing of Agreement**

- 33.1 Upon furnishing of acceptable Performance Guarantee under the Conditions of Contract, formal Agreement between the Employer and the successful bidder shall be executed.

#### **IB.34 General Performance of the Bidders**

The Employer reserves the right to obtain information regarding performance of the bidders on their previously awarded contracts/works. The Employer may in case of consistent poor performance of any Bidder as reported by the employers of the previously awarded contracts, inter-alia, reject his bid and/or refer the case to the Pakistan Engineering Council (PEC). Upon such reference, PEC in accordance with its rules, procedures and relevant laws of the land take such action as may be deemed appropriate under the circumstances of the case including black listing of such Bidder and debarring him from participation in future bidding for similar works.

The Successful Contractor/Joint Venture shall comply with and acquire all consents, approvals, permits and licenses applicable under the laws of Pakistan in relation to the performance of the work & services.

#### **IB.35 Integrity Pact**

The Bidder shall sign and stamp the Integrity Pact provided at Appendix-L to Bid in the Bidding Documents for all Federal / Provincial Government procurement contracts exceeding Rupees ten million. Failure to provide such Integrity Pact shall make the bidder non-responsive.

**IB.36 Instructions not Part of Contract**

Submission of bids shall be construed as evidence that the bidder has admitted all provisions of the instruction to the bidder.

**IB.37 PPRA Act, 2009 and PPR-14 will have over-riding effect**

PPRA Act, 2009 and PPR-14 as amended upto date will supersede and will have an over-riding effect in case in case of any contradiction with these Instructions, the Contract, or any other part of the Bidding Documents.

# **BIDDING DATA SHEET**

## **BIDDING DATA SHEET**

The following specific data for the Works shall complement, amend, or supplement the provisions in the Instructions to Bidders. Wherever there is a conflict, the provisions herein shall prevail over those in the Instructions to Bidders.

### **Instruction to Bidders**

#### **Clause Reference**

#### **Clause IB-1:**

#### **Sub-Clause: 1.1 Name and address of the Employer**

##### **Chief Officer,**

Municipal Committee Gojra

Email: [mcgojratts@gmail.com](mailto:mcgojratts@gmail.com)

Phone: 046-9200083

#### **Summary of Works**

The newly proposed system in Gojra City will comprise of the below given components

SN	Description
1	RCC Sewers
	a) 15" I/d b) c) d) e) f) g) h
	b) 18" I/d
	c) 21" I/d
	d) 24" I/d
	e) 27" I/d
	f) 30" I/d
	g) 36" I/d
	h) 42" I/d etc
2	Restoration of Roads

#### **Clause IB-2: Source of Funds**

##### **Sub-Clause 2.1**

The Project is funded by Government of the Punjab through World Bank.

**Clause IB-10: Language of Bid****Sub-Clause 10.1**

English

**Clause IB-11: Documents Accompanying the Bid****Sub-Clause 11.1:**

A) The Bidder shall submit with its Technical Bid the following documents:

- (a) Letter of Technical Bid
- (b) Bid Security (IB.15)
- (c) Written confirmation authorizing signatory of the bid to commit the Bidder. (IB 18.5)
- (d) Pending litigation information.
- (e) Special Stipulations Appendix-A
- (f) Proposed Construction Schedule Appendix-E
- (g) Method of Performing the work Appendix-F
- (h) Availability of Critical Equipment Appendix-G
- (i) Construction Camp and Housing Facilities Appendix-H
- (j) List of Sub-Contractor Appendix-I
- (k) Organization Chart for Supervisory Staff Appendix-K
- (l) Integrity Pact Appendix-L
- (m) Technical Eligibility Criteria Appendix-M
- (n) Qualification Criteria Appendix-N

B) The Bidder shall submit with its Financial Bid the following documents:

- (o) Letter of Financial Bid
- (p) Bid Security
- (q) Bill of Quantities Appendix-D
- (r) Estimate Progress Payment Appendix-J

**Clause IB-13: Currency of Bid and Payment:****Sub-Clause 13.1**

The unit rates and the prices shall be quoted by the Bidder entirely in Pakistani Rupees and likewise payments will also be made entirely in Pakistani Rupees.

**Clause IB-14 Bid Validity:****Sub-Clause 14.1 Period of Bid Validity**

120 Days

**Clause IB-15 Bid Security**

**2% of the Estimated Cost of Rs. 366,066,846 i.e (7,321,337 /-)**

The bids must be accompanied with Bid Security for the Project in the form of CDR/Bank Guarantee of amount Specified above in the name of the undersigned from a Scheduled Bank of Pakistan. No bid security in cash will be accepted. **Bid security should be attached with the technical bid, otherwise the bid will not be taken into account for evaluation and it will be rejected straight forward.**

**Clause IB-16 Alternate Proposals by Bidders**

**NOT APPLICABLE**

**Clause IB-17 Pre-Bid Meeting**

The pre bid meeting with bidders and their authorize representatives will be held on **Sep 12<sup>th</sup>, 2023** at 12:00 PM in the office of Chief Officer, Municipal Committee Gojra or in any other office specified by Client to clarify the issues and to answer any questions on matters related to bid documents

**Clause IB-18 Format and Signing of Bid****Sub-Clause 18.4      Format and Signing of Bid**

One Original & Three Copies (Two hard and one electronic in USB/DVD) of **Technical Bid** whereas One original and Two copies for **Financial Bid**.

**Clause IB-19 Sealing and Making of Bid****Sub-Clause 19.2 (a) Employer's address for the purpose of Bid Submission is as follows:-**

Municipal Committee Gojra  
Email: mcgojratts@gmail.com

Phone: 046-9200083

19.2 (b) Name and Number of the Contract is as follows: -

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

**Clause IB-20 Deadline for submission of Bid:****Sub-Clause 20.1 (a)**

Venue: Chief Officer, Municipal Committee Gojra  
Time: 12.00 PM,  
Date: Sept 19<sup>th</sup>, 2023

**Clause IB-23 Bid Opening:****Sub-Clause 23.1 (a) Venue, Time and Date of Bid Opening**

Venue: Chief Officer, Municipal Committee Gojra  
Time: 12:30 PM



Date: Sept 19<sup>th</sup>, 2023

**Clause IB-32 Performance Guarantee:**

**Sub-Clause 32.1**

Delete the text sub-clause 32.1 and substitute with the following: -

The Performance Guarantee shall be 05% of **Contract Amount** (work being greater than 50 Million) mentioned in the Letter of Acceptance on the prescribed form [PS-1] in shape of Bank Guarantee from any Scheduled Bank in Pakistan in favor of the Employer.

Add at the end of **Sub-Clause 32.2:**

**Next lowest Bidder**

In the event, the Performance Guarantee is not provided by the lowest bidder, and the award is annulled, the Employer may award the Contract to the next lowest evaluated Bidder whose offer is substantially responsive and technically accepted and is determined by the Employer to be qualified to perform the Contract satisfactorily.

**Clause IB-36 Instructions not part of Contract:**

**Fraud and Corrupt Practices:**

Bidders and their sub-contractors under contracts must observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Employer:

- a) Defines, for the purposes of this provision, the terms set forth below are defined as follows:
  - “Corrupt practice” means the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party.
  - “Fraudulent practice” means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation
  - “Coercive practice” means impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
  - “Collusive practice” means an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party.
  - obstructive practice” means (a) deliberately destroying· falsifying· altering· or concealing of evidence material to an investigation by the Employer; making false statements to investigators in order to materially impede an investigation by the Employer; (c) failing to comply with requests to provide information· documents· or records in connection with an office of Anticorruption investigation; (d) threatening· harassing· or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or (e) materially impeding the Employer’s contractual rights of audit or access to information
  - “Integrity violation” is any act which violates the Government's Anticorruption Policy· including (i) to (v) above and the following:

abuse, conflict of interest· violations of the Government sanctions, retaliation against whistleblowers or witnesses· and other violations of the Government's Anticorruption Policy including failure to adhere to the highest ethical standard.

- b) will reject any Bid/proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations in competing for the Contract;
- c) will cancel the contract if it determines at any time that its representatives or those of the Bidder were engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations during the selection process or the execution of the Contract; and
- d) will sanction bidders or its successor including declaring ineligible, either indefinitely or for a stated period of time, to participate in bidding activities in Pakistan if it at any time determines that the firm has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for, or in executing Contract
- e) Will have the right to require that consultants permit the Government or its appointed agent to inspect their accounts and records and other documents relating to the submission of proposals and contract performance and to have them audited by auditors appointed by the government.

**FORM OF BID  
AND  
APPENDICES TO BID**

# Letter of Technical Bid

Date:

Bid Reference No:

(Name of Contract/Works): .....

To: .....

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (IB) 9;

We offer to execute and complete in conformity with the Bidding Documents the following Works:  
**“UPGRADATION OF SEWERAGE SYSTEM AND CONSTRUCTION OF WASTE WATER TREATMENT PLANT (WWTP) GOJRA CITYPACKAGE 1 – SEWERAGE SYSTEM”**

- (a) Our Bid consisting of the Technical Bid and the Financial Bid shall be valid for a period of 120 days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (b) As security for due performance of the under takings and obligations of our bid, we submit here with a Bid security, in the amount specified in Bidding Data Sheet, which is valid (at least) 30 days beyond validity of Bid itself.
- (c) We are not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process, other than alternative offers submitted in accordance with IB16 (as applicable).
- (d) We agree to permit Employer or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors. This permission is extended for verification of any information provided in our Technical Bid which comprises all documents enclosed herewith in accordance with IB.11.1 of the Bidding Data Sheet.

Name .....

In the capacity of .....

Signed .....

.....

Duly authorized to sign the Bid for and on behalf of .....

Date .....

.....

Address.....

# Letter of Financial Bid

Date:

Bid Reference No:

(Name of Contract/Works): .....

To: .....

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (IB)9;
- (b) The total price of our Bid, excluding any discounts offered in item (c) below is:  
  
\_\_\_\_\_
- (c) The discounts offered and the methodology for their application are:  
  
\_\_\_\_\_
- (d) Our Bid shall be valid for a period of 120 days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (e) If our Bid is accepted, we commit to obtain a Performance Guarantee and Quality Assurance Security in accordance with the Bidding Documents;
- (f) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed and we do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other bidder for the Works.
- (g) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.
- (h) We agree to permit Employer or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors. This permission is extended for verification of any information provided in our Technical Bid which comprises all documents enclosed herewith in accordance with IB.11.1 of the Bidding Data Sheet.
- (i) If awarded the contract, the person named below shall act as Contractor's Representative.

Name .....

In the capacity of .....

Signed .....

Duly authorized to sign the Bid for and on behalf of .....

Date .....

Address.....

**SPECIAL STIPULATIONS****Clause****Conditions of Contract**

1.	The Engineer's (Consultant) Authority to issue Variation in emergency	<b>2% of the Contract Price</b> stated in the Letter of Acceptance with the written approval of client.
2.	Law applicable	The relevant laws applied in the Province of Punjab.
3.	Amount of Performance Guarantee	The Performance Guarantee shall be <b>05%</b> of <b>Contract Amount</b> mentioned in the Letter of Acceptance on the prescribed form [PS-1] in the shape of Bank Guarantee from any Scheduled Bank in Pakistan in favor of the Employer.
4.	Time for Furnishing Work Programme	Within <b>14 days</b> from the date of receipt of Letter of Acceptance.
5.	Minimum amount of Third Party Insurance	The amount of insurance taken out by the Contractor per occurrence with number of occurrences unlimited shall be as follows: a. Bodily injury (any one person) PKR 0.5 (Half) Million (Max) b. Fatal Case (any one person) PKR 01 (one) million (Minimum) c. Property Damages Depending upon nature of loss (100% of the Damage)
6.	Time for Commencement	Within 7 days from the date of receipt of Engineer's Notice to Commence which shall be issued within 14 days after signing of Contract Agreement.
7.	Time for Completion	<b>15 Months</b> from the date of Commencement of the Project.
8.	a) Amount of Liquidated Damages	<b>0.1 %</b> of the Contract Price for each day of delay in completion of the Works subject to a maximum of <b>10%</b> of Contract Price stated in the Letter of Acceptance.
	b) Amount of Bonus for early completion	<b>Not Applicable.</b>
9.	Defects Liability Period	<b>365 days</b> from the effective date of Taking Over Certificate.
10.	Percentage of Retention Money	<b>10 % on the amount of work done up to Rs. 5 million and 5 % on the amount of work done beyond 5 million</b>
11.	Limit of Retention Money	<b>05%</b> of Contract Price stated in the Letter of Acceptance.
12.	Minimum amount of Interim Payment Certificates (Running Bills)	Greater than <b>PKR. Twelve Million (12 Million) except last 2 IPC's</b>
13.	Time of Payment from delivery of Engineer's Interim Payment Certificate to the Employer.	30 days
14.	List of material	NOT USED
15.	Mobilization Advance (Interest Free)	<b>Not Applicable</b>

16	Environment, Health & Safety	Contractor will be bound to comply the Environmental & Social Management & Monitoring Plan and Environmental Health Safety SOPs for Labor/Construction Workers including Women Workers to fulfill E&S safeguards compliance otherwise 1 % of contractual amount will be forfeited upon Engineer's report from last IPC
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**NAME OF ELIGIBLE COUNTRIES**

All countries of the World with whom Islamic Republic of Pakistan has commercial trade relations.

**FOREIGN CURRENCY REQUIREMENTS**

**NOT APPLICABLE**

**PRICE ADJUSTMENT**

Price adjustment / variation for the materials specified by the Government of Punjab will be paid as per rates issued by Finance department Government of Punjab from time to time and in the line with Punjab Local Government works Rules.

**BILL OF QUANTITIES****D. Preamble**

1. The Bill of Quantities shall be read in conjunction with the Conditions of Contract, Specifications and Drawings.
2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work executed and measured by the Contractor and verified by the Engineer and valued at the rates and prices entered in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix as per the Contract (in case of item not mentioned in Bill of Quantities).
3. The rates and prices entered in the priced Bill of Quantities shall, except in so far as it is otherwise provided under the contract include all costs of contractor's plant, labour, supervision, materials, execution, insurance, profit, taxes and duties, together with all general risks, liabilities and obligations set out or implied in the contract. Furthermore, all duties, taxes and other levies payable by the contractor under the contract, or for any other cause, as on the date 14 days prior to dead line for submission of Bids in case of ICB/NCB respectively, shall be included in the rates and prices and the total bid price submitted by the bidder.
4. A rate or price shall be entered against each item in the priced Bill of Quantities, whether quantities are stated or not. The cost of items against which the contractor will have failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities and shall not be paid separately.
5. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related items of the works.
6. General directions and description of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. References to the relevant sections of the bidding documents shall be made before entering prices against each item in the priced Bill of Quantities.
7. Provisional sums included and so designated in the Bill of Quantities shall be expended in whole or in part at the direction and discretion of the Engineer in accordance
8. Contractor will submit his submittal to Engineer/Employer in case of Non-scheduled items for approval prior to booking to supplier/manufacturer before undertaking the item into execution. Submittal proposed from contractor must comprise minimum three proposed manufacturers to be submitted to Engineer for approval purposes. It will be discretion of Engineer to recommend

for approval one of them or as contractor for other than those manufacturers proposed in shape of submittal by contractor for someone else on equivalency basis.

9. The contractor will also provide the submittals of imported items as stated above. Pre-shipment inspection of the selected manufacturer's equipment will be carried out as per by the engineer/employer. Contractor must submit Bill of lading of such imported equipment prior to transport to site.
10. Work program of level three must be submitted to Engineer/employer along with submittal.

**D-2**  
**Appendix –D to Tender****BILL OF QUANTITIES**  
**SUMMARY**  
**ABSTRACT OF TENDER PRICE**

Sr. No.	Description	Amount (Rs)
Part-A		N/A
1	Providing and Laying Trunk Sewer	
2	Restoration of Roads (Trunk Sewer Rute)	
3	Providing and Laying Branch Sewer	
4	Restoration of Roads (Branch Sewer Rute)	
	Sub Total	
5	Environmental & Social Management & Monitoring Plan	N/A
Total Amount (Rs)		
Note: These rates are exclusive of PRA charges		

Note: All Provisional Sums are to be expended in whole or in part at the direction and discretion of the Engineer in-charge

**PROPOSED CONSTRUCTION SCHEDULE**

The Works shall be completed on or before the date stated in Appendix-A to Bid. The Bidder shall provide as Appendix-E to Bid his Construction Schedule in the Bar Chart form showing the sequence of work items and the period of time during which he proposes to complete each work item in such a manner that his proposed program for completion of the whole of the Works and parts of the works may meet Employer's completion targets in days noted below and counted from the date of issue of Engineer's Notice to Commence (Bidder to attach sheets as required for the specified form of Construction Schedule):

<b><u>Description</u></b>	<b><u>Time for Completion</u></b>
a) Whole Works	_____ days
b) Part-A	_____ days
c) Part-B	_____ days
d) _____	_____ days
e) _____	_____ days

**Appendix-F to Bid**

**METHOD OF PERFORMING THE WORK**

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

1. Organization Chart indicating head office and field office personnel involved in management and supervision, engineering, equipment maintenance and purchasing.
2. Mobilization at site of works, the type of facilities including personnel accommodation, office accommodation, provision for maintenance and for Storage, communications, security and other services to be used.
3. The method of executing the Works, the procedures for installation of equipment and machinery and transportation of equipment and materials to the site.
4. Quality control/ Quality assurance measures to be adopted including procedures to be followed for carrying out all tests required under specifications.
5. Production of Authorization from Original Equipment Manufacturer.
6. Pre-shipment inspection at the factory premises shall be carried out by an independent Third-Party Firm having specialization in the task and possess the relevant professionals of the field. Third Party Validation Firm (TPV) shall be engaged by the Chief Engineer / D.G. (O&M) if required. The expenses in this connection shall be borne by the Contractor.
7. The Contractor should submit appropriate plans detailing how they intend to coordinate the Works with the ongoing system so that the existing system is not disturbed in any manner, and how they will ensure that the necessary facilities are available to enable it.

**Note**

- The Bidder shall provide the methods for performing the work in such manner that the works falling under the Construction must be in compliance with the Technical Specifications. These shall form part of and be included at the relevant appendix in the respective Contracts.
- Import documents like bill of lading, custom clearance, Air-way bill, port of shipment etc. will be provided by the contractor to the consultant/employer for verification of imported plants & equipment prior to submit the bill invoice of the same.



**G-1**  
**Appendix-G to Bid****LIST OF MAJOR EQUIPMENT – RELATED ITEMS**

The Bidder will provide a list of all major equipment and related items, under separate heading for items owned, to be purchased or to be arranged on lease by him to carry out the Works. The information shall include make, type, capacity, and anticipated period of utilization for all equipment which shall be in sufficient detail to demonstrate fully that the equipment will meet all requirements of the Specifications.

**LIST OF MAJOR EQUIPMENT**

<b>Owned Purchased or Leased</b>	<b>Description of Unit (Make, Model, Year)</b>	<b>Capacity HP Rating</b>	<b>Condition</b>	<b>Present Location or Source</b>	<b>Date of Delivery at Site</b>	<b>Period of Work on Project</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
a. Owned						
b. To be Purchased						
c. To be arranged on Lease						

**H-1**  
**Appendix-H to Tender**

**CONSTRUCTION CAMPS AND HOUSING FACILITIES**

The Contractor in accordance with Clause 34 of the Conditions of Contract shall provide description of his construction camp's facilities and staff housing requirements.

The Contractor shall be responsible for pumps, electrical power, water and electrical distribution systems, and sewerage system including all fittings, pipes and other items necessary for servicing the Contractor's construction camp.

The Tenderer shall list or explain his plans for providing these facilities for the service of the Contract as follows:

1. Site Preparation (clearing, land preparation, etc.).
2. Provision of Services.
  - a) Power (expected power load, etc.).
  - b) Water (required amount and system proposed).
  - c) Sanitation (sewage disposal system, etc.)
3. Construction of Facilities
  - a) Contractor's Office. Workshop and Work Areas (areas required and proposed layout, type of construction of buildings, etc.).
  - b) Warehouses and Storage Areas (area required, type of construction and layout).
  - c) Housing and Staff Facilities (Plans for housing for proposed staff, layout, type of construction, etc.)
4. Construction Equipment Assembly and Preparation (detailed plans for carrying out this activity)
5. Other Items Proposed (Security services, etc.)

**LIST OF SUBCONTRACTORS**

I/We intend to subcontract the following parts of the Work to sub-contractors. In my/our opinion, the sub-contractors named hereunder are reliable and competent to perform that part of the work for which each is listed.

Enclosed are documentation outlining experience of sub-contractors, the curriculum vitae and experience of their key personnel who will be assigned to the Contract, equipment to be supplied by them, size, location and type of contracts carried out in the past.

<b>Part of Works (Give Details)</b>	<b>Sub-Contractor (With Complete Address</b>
<b>1</b>	<b>2</b>

### ESTIMATED PROGRESS PAYMENTS

Note: Appendix – J duly filled by the Contractor should only be included in the **Financial Proposal/Financial Bid**.

Month	Amounts (Million Rs.)
<b>1</b>	<b>2</b>
Ist	
2 <sup>nd</sup>	
3 <sup>rd</sup>	
4 <sup>th</sup>	
5 <sup>th</sup>	
6 <sup>th</sup>	
<b>Bid Price</b>	

**ORGANIZATION CHART**  
**FOR THE**  
**SUPERVISORY STAFF AND LABOUR**

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

Contract No. \_\_\_\_\_ Dated \_\_\_\_\_  
Contract Value: \_\_\_\_\_  
Contract Title: \_\_\_\_\_

.....[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 (GoP) or any administrative subdivision or agency thereof or any other owned or controlled by GoP through any business practice.

Without limiting the generality of the foregoing, [name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fees, 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 consultation 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 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, representation or warranty.

[Name of Supplier] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts 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 rights and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

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

Name of Employer:.....

Name of Contractor:.....

Signature:.....

Signature: .....

Seal/Stamp.....

Seal/Stamp.....

**Eligibility Criteria**

The Bidders (Firm/ Joint Venture) fulfilling the following basic eligibility criteria shall only be considered for further evaluation. (Relevant documents to be attached):

- a) Duly licensed by the Pakistan Engineering Council (PEC) in the category **C3 & Above** with relevant code **CE-09**. In case of Joint Venture, the Lead partner must be registered in the category **C3 & Above** with the relevant code and the other member/s should at least have registration from PEC. No foreign Firm(s) is allowed to participate whether as Single entity or Lead member of JV.
- b) The bidder shall not have conflict of interest in the instant work. All the bidders found to have conflict of interest shall be considered as non-responsive.
- c) Valid legal entity of the bidder / firm/ company e.g. Certificate of registration from SECP or registrar of firms etc.
- d) Certificate of registration with active Income Tax & active Sales Tax under Relevant Authority.
- e) Affidavit on Non-Judicial Stamp paper for No litigation OR submission of Litigation History of last 10 years.
- f) Affidavit declaring “Neither the firms nor its Directors, Stakeholders, as a whole or as a part of the firm have ever been black listed/ defaulted by any government agency / department / organization / Donors or settled dispute in plea bargain or Volunteer recovery”.

Un-signed and un-stamped bids will be rejected.

Note: In case of Joint Venture, all the members have to meet in full the afore-mentioned basic eligibility criteria.

**Qualification Criteria**

Technical Evaluation will be based on the criteria given in succeeding paras regarding the Bidder's General Experience, Specific Experience, Personnel Capabilities and Equipment Capabilities as demonstrated by the Bidder's responses in the forms attached. The Procuring Agency reserves the right to waive minor deviations, if these don't materially affect the capability of a Bidder to perform the contract. Sub-contractor's experience and resources shall not be taken into account in determining the Bidder's compliance with the qualifying criteria. However, Joint Venture experience & resources shall be considered. Consortium or Association of Contractors will be considered for similar treatment as in case of Joint Venture. The detailed qualification criteria for Technical Evaluation is provided as follows:

<b>Sr.No.</b>	<b>Category</b>	<b>Weightage/Marks</b>
1.	Financial Soundness	30
2.	General & Relevant Experience	45
3.	Personnel Capabilities	15
4.	Equipment Capabilities	10
	<b>Total:</b>	<b>100</b>

The applicants must score total 65 marks and at least 50 % marks in each category, to qualify.



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**SUB CATEGORY A: FINANCIAL SOUNDNESS**


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For financial soundness, Letter from Banks and audited financial statements for *last five financial years shall be submitted. if Bank statement (In case of Cash), letter from Banks (In case of Credit Line) & audited financial statements of last five financial years are not attached, no consideration will be given to bidder.*

Sr. No.	Description	Maximum Marks
i)	<p>Available Cash / Bank Credit Line Limit (or combination of both)</p> <p><b>A= Available Cash/Bank Credit Line limit or combination of both (in PKR Million)</b></p> <p><b>(15 - Marks)</b></p>	<ul style="list-style-type: none"> <li>• Full Marks will be given if “A” is PKR 100 Million or above.</li> <li>• For ‘A’ less than PKR 100 Million, marks will be awarded as: <math>(A/100) * 15</math></li> <li>• No Marks will be given if “A” is less than PKR 50 Million.</li> </ul> <p><b><u>No marks shall be allotted if Bank statement (In case of Cash) &amp; letter from Bank (In case of Credit Line as proof of Credit Line) is not attached.</u></b></p>
ii)	<p>Average Working Capital in last Five financial years.</p> <p><b>A= Average Working Capital in last five financial years (in PKR Million)</b></p> <p><b>(15 - Marks)</b></p>	<ul style="list-style-type: none"> <li>• Full Marks will be given if “A” is PKR 100 Million or above.</li> <li>• For ‘A’ less than PKR 100 Million, marks will be awarded as: <math>(A/100) * 15</math></li> <li>• No Marks will be given if “A” is less than PKR 50 Million.</li> </ul> <p><b><u>No marks shall be allotted if audited financial statements of last five financial years are not attached.</u></b></p>
	<b>Sub-total:</b>	<b>30</b>

---

**SUB-CATEGORY B: EXPERIENCE RECORD**


---

Bidder must meet following criteria for evaluation of the experience of the Firm/JV.

<b>Sr. No.</b>	<b>Description</b>	<b>Max. Mark</b>
i)	<p>Projects of General Nature completed over last 05 years.</p> <p>a. Max 03-projects having minimum cost Rs. 200 Million each.</p> <p>(General nature project includes buildings, roads, bridges water supply, water/sewerage treatment etc.)</p> <p>Each project having above-said minimum cost bracket; will have equal marks. (i.e. <math>3 \times 5 = 15</math>)</p>	15
ii)	<p>Projects of similar nature and complexity</p> <p>a. Max 02-projects of Sewerage, Road and allied works having Min Cost Rs. 100 Million each (completed over last 05 years) (<math>2 \times 5 = 10</math>)</p> <p>b. Max 02-projects of Sewerage, Road and allied works having Min Cost Rs. 100 Million each (in hand) (<math>2 \times 5 = 10</math>)</p> <p>Each project having above-said minimum cost bracket;</p>	20
iii)	Any construction project with satisfactory completion certificates granted by the departments for the other projects enlisted at Sr. no. i & ii. (02-projects)	10
	<b>Sub-total:</b>	<b>45</b>

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**SUB-CATEGORY C: PERSONNEL CAPABILITIES**


---

The following key experts at a minimum shall be evaluated:

No personnel will be considered for evaluation if declaration of Professional Staff Employment & availability for this Project (**Form T11-12-13**) **duly signed by authorized signatory** is not attached. Bidder will also provide **affidavit of employee** on judicial stamp paper.

Bidders will submit the detailed particular of his experts considering that all staff **will serve at site full time during execution of works** In case bidder fails to appoint full time Project Manager at site, a penalty of PKR 100,000 will be imposed on monthly basis and in case bidder fails to appoint full time other supporting staff (all personnel or partly) mentioned below (other than Project Manager) at site, a penalty of Rs. 100,000/- will be imposed on monthly basis.

Sr. No.	Description	Maximum Points
i)	Engineers in employment of the contractor & Registered with PEC a) Number of Civil Engineers (Min 02-No) b) Experience of Civil Engineers (Minimum 07 years)	6 3
ii)	Number of Diploma Engineers in Employment of the Contractor a) Number of Sub Engineers having Diploma in Associate Engineering (Civil) (Min 3-No) b) Experience of Engineers in number of Years (Minimum 05 -years)	3 3
	<b>Sub-total:</b>	<b>15</b>

Bidders will provide **short CVs**, showing details of experts are desired by highlighting the name of expert, qualification, year of graduation or other degree(s), general experience, specific experience, designation, time of association with this firm. Experience certificates, affidavit of employee on judicial stamp paper. No marks if required documents are not attached.

### **SUB-CATEGORY D: EQUIPMENT CAPABILITIES**

The following Equipment shall be evaluated:

*Declaration of ownership/lease of Equipment (Form T- 15) duly signed by authorized signatory shall be attached.*

*Form T-14 shall be filled along with manufacturer authorization.*

<b>Sr. No</b>	<b>Equipment Type</b>	<b>Maximum Marks</b>
1	Surveying Equipment (Total Station) (01 Set)	1
2	Dump Truck 2-Ton (01 No.)	1
3	Excavator (01 No.)	1
4	Motor Grader (01 No.)	1
5	Roller (01 No.)	1
6	Tractor Trolley [01 No]	1
7	Asphalt Mixing Plant (01 No)	1
8	Water Bowser (01 No.)	1
9	Generator (50/100 KVA, 01 No)	0.5
10	Wheel Loader (01 No.)	0.5
11	Dewatering set	1
	<b>Sub-total:</b>	<b>10</b>

Bidder will provide evidence of ownership in case of his purchased equipment or Lease paper in case of any rented equipment OR Affidavit on his letter head that he will arrange the following equipment subject to award the work.

#### **Joint Venture (JV)**

Joint Venture must comply with the following requirements: -

- a) Minimum qualification requirements: -
  - i) The lead partner shall meet not less than 50 percent of all qualifying criteria given in paras A to D heretofore.
  - ii) The joint venture must collectively satisfy the criteria of paras A to D, for which purpose the relevant figures for each of the partners shall be added together to arrive at the JV's total capacity.
- b) Any change in a qualified JV after qualification, shall be subject to the written approval of the Employer prior to the deadline for submission of bids. Such approval may be denied if:-
  - i) Partner(s) withdrawn from a JV and remaining partners do not meet the qualifying requirements;
  - ii) The new partners to a JV are not qualified individually or as another JV; or
  - iii) In the opinion of the Employer, a substantial reduction in competition would result.

- c) Bid shall be signed by all members in the JV so as to legally bind all partners, jointly and severally, and any bid shall be submitted with a copy of the JV agreement providing the joint and several liability with respect to the contract.

**Conflict of Interest**

The Bidder (including all members of a JV) must not be associated, nor have been associated in the past, with the consultant or any other entity that has prepared the design, specifications, and other prequalification and bidding documents for the project, or was proposed as Engineer for the contract, over the last Ten years. Any such association may result in disqualification of the Bidder.

## Form -T-1

**General Information**

*Bidder (or each Member of a Joint Venture) applying for qualification is required to complete the information in this form.*

1.	Name of Firm:	
2.	Head Office Address:	
3.	Telephone:	
4.	Email:	
5.	Type of Organization:	
6.	Place of Incorporation/Registration:	Year of incorporation/registration:
7.	PEC Registration Category: PEC Registration No:	Validity:
8.	NTN#	
9.	Name, Designation, email and Mobile Number of Firm's Representative	

***Detail of Owners/ Directors***

Name		Designation	Nationality
1.			
2.			
3.			
4.			
5.			

## Form -T-2

## Financial Soundness

Name of Bidder (Lead Member of a Joint Venture, in case of JV)
--

*Bidder (Lead Member of a Joint Venture, in case of JV) applying for qualification is required to provide financial information to demonstrate that they meet the requirements of Evaluation Criteria. If necessary, use separate sheets to provide complete information. A copy of the audited financial statements of the past five (5) financial years must be attached.*

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

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

JV Members Legal Name: \_\_\_\_\_

## Information Balance Sheet

	Year-1	Year-2	Year-3	Year-4	Year-5	Overall Average
Total Assets (TA)						
Total Liabilities (TL)						
Net Worth (TA-TL)						
Current Assets (CA)						
Current Liabilities (CL)						
		Average Annual Turnover (AATO)				
Average Annual Turnover						
		Financial Resources				
Cash/Bank Balance						
Credit Line Limit						

**Form -T-3**

## Summary of Similar Nature Project Completed

Name of Bidder or Member of a Joint Venture

*Bidder and each Member of a Joint Venture applying for qualification is required to complete the information in this form.*

*Use a separate sheet for each Member of a Joint Venture.*

[illegible]



## Form -T-4

**Details of Similar Nature Projects Completed**

Name of Bidder or Member of a Joint Venture
---

*A separate form with adequate documentary evidence (**Completion Certificate indicating Cost of Project**) shall be provided for each project in **Form T-03**.*

1.	Name of Contract
	Location
2.	Name of Employer
3.	Employer Address .....
4.	Nature of Works and special features of the contract ..... .....
5.	Contract Role (Tick One)  (a) Sole Contractor                      (b) Sub-Contractor                      (c) Member in JV
6.	Value of the total contract (in specified currencies) at completion, or at date of award for current contract  PKR.....                      USD.....
7.	Date of Award
8.	Date of Completion
9.	Contract Duration (Years and Months)  _____ Years                      _____ Months

## Summary of Similar Nature Project in hand

Name of Bidder or Member of a Joint Venture
---

*Use a separate sheet for each Member of a Joint Venture.*

[illegible]

## Form -T-6

## Details of Similar Nature Projects in hand

Name of Bidder or Member of a Joint Venture
---

*A separate form with adequate documentary evidence (**Letter of Award/ Agreement indicating Cost of Project**) shall be provided for each project in **Form T-5**.*

1.	Name of Contract
	Location
2.	Name of Employer
3.	Employer Address .....
4.	Nature of Works and special features of the contract ..... .....
5.	Contract Role (Tick One)  (a)Sole Contractor                      (b)Sub-Contractor                      (c) Member in a JV
6.	Value of the total contract(in specified currencies) at completion, or at date of award for current contract  PKR.....                      USD.....
7.	Date of Award
8.	Planned Date of Completion

## Form -T-7

## Summary of General Nature Project Completed

Name of Bidder or Member of a Joint Venture
---

*Bidder and each Member of a Joint Venture applying for qualification is required to complete the information in this form.*

*Use a separate sheet for each Member of a Joint Venture.*

[illegible]

## Form -T-8

## Details of General Nature Projects Completed in Last 5 Years

Name of Bidder or Member of a Joint Venture
---

*A separate form with adequate documentary evidence (**Completion Certificate indicating Cost of Project**) shall be provided for each project in **Form T-07**.*

1.	Name of Contract
	Location
2.	Name of Employer
3.	Employer Address .....
4.	Nature of Works and special features of the contract ..... .....
5.	Contract Role (Tick One)  (a) Sole Contractor                      (b) Sub-Contractor                      (c) Member in a JV
6.	Value of the total contract (in specified currencies) at completion, or at date of award for current contract  PKR.....                      USD.....
7.	Date of Award
8.	Date of Completion
9.	Contract Duration (Years and Months)  _____ Years                      _____ Months

## Form -T-9

### Summary of Fast Track Project Completed

Name of Bidder or Member of a Joint Venture
---

*Bidder and each Member of a Joint Venture applying for qualification is required to complete the information in this form.*

*Use a separate sheet for each Member of a Joint Venture.*

[illegible]

## Form -T-10

## Details of Fast Track Similar Nature Projects Completed in Last Ten (10) Years

Name of Bidder or Member of a Joint Venture
---

*A separate form with adequate documentary evidence (**Completion Certificate indicating Cost of Project**) shall be provided for each project in **Form T-09**.*

1.	<div style="border-bottom: 1px solid black; padding-bottom: 5px;">Name of Contract</div> <div style="border-bottom: 1px solid black; padding-bottom: 5px;">Location</div>
2.	Name of Employer
3.	Employer Address .....
4.	Nature of ..... .....
5.	Contr..... (a)Sole-C..... (b)Sub-Contractor (c) Member in a JV
6.	Value of the total contract (in specified currencies) at completion, or at date of award for current contract  PKR..... USD.....
7.	Date of Award
8.	Date of Completion
9.	Contract Duration (Years and Months)  <div style="display: flex; justify-content: space-around;"> <span>_____Years</span> <span>_____Months</span> </div>

**List of Proposed Staff****Name of  
Bidder:**

---

*(Bidder or Member of Joint Venture)*

1	Title of Position	
	Name of Candidate	
	Education	
	Experience	
	PEC Registration No.	
2	Title of Position	
	Name of Candidate	
	Education	
	Experience	
	PEC Registration No.	



**Candidate Summary**

**Name of Bidder:** \_\_\_\_\_  
*(Bidder or Member of Joint Venture)*

Position	Candidate	
	Prime	Alternate
Candidate Information	Name of Candidate	Date of Birth
	Professional Qualification:	
PEC Registration No. (Only for Engineer)		
Present Employer	Name of Employer:	
	Address of Employer	
	Telephone:	Fax:
	Job Title of Candidate	Years with Present Employer

Summarize professional experience in reverse chronological order.

From	To	Company	Project	Position	Relevant Technical & Management Experience

**Form -T-13**

**DECLARATION OF PROFESSIONAL STAFF EMPLOYMENT**

[To be submitted on Company Letterhead]

**TO WHOM IT MAY CONCERN**

***PROJECT:*** \_\_\_\_\_

***SUBJECT: DECLARATION OF PROFESSIONAL STAFF EMPLOYMENT & AVAILABILITY***

We hereby certify that the personnel nominated in Form-T-11 are employed by our firm and are available for the above-mentioned Assignment.

*Yours Sincerely,*

***COMPANY NAME:***

---

***AUTHORIZED REPRESENTATIVE***

### Equipment Detail

Name of Bidder or Member of Joint Venture

*Bidder and each Member of Joint Venture is required to provide adequate information to demonstrate clearly that it has the sufficient capability to undertake the Project. A separate form shall be prepared for each item of equipment listed in the Evaluation Criteria.*

Item of Equipment		
Equipment information	1. Name of manufacturer	2. Model and power rating
	3. Capacity	4. Year of manufacture
Current status	5. Current location	
	6. Details of current commitments	
Source	7. Indicate source of the equipment <input type="checkbox"/> Owned <input type="checkbox"/> Rented <input type="checkbox"/> Leased	

*Omit the following information if it is owned by the Bidder or Member of JV.*

Owner	8. Name of owner	
	9. Address of owner	
	Telephone	Contact name and title
	Fax	Telex
Agreement	Details of rental/lease specific to the Project.	

**Affidavit of ownership/Availability of Equipment**

**PROJECT:** \_\_\_\_\_

**SUBJECT: DECLARATION OF OWNERSHIP/ LEASE OF EQUIPMENT**

We hereby certify that the equipment nominated in T-14 is owned by/Leased by our firm and is available in Pakistan for the above-mentioned Assignment.

*Yours Sincerely,*

**COMPANY NAME:**

---

**AUTHORIZED REPRESENTATIVE**

**Litigation History for the last Ten (10) Years****Name:***(Bidder or Member of Joint Venture)*

<b>Description of Contract</b>	<b>Year</b>	<b>Name of Client, Cause of litigation and matter in dispute</b>	<b>Disputed amount (Current value in PKR or US\$ equivalent)</b>	<b>Award FOR or AGAINST Bidder</b>	<b>Remarks by Bidder</b>

Attach Affidavit/undertaking that non-performance of a contract did not occur within the last ten years based on information on all settled disputes or litigation.

**AFFIDAVIT FOR CORRECTNESS OF INFORMATION**

*(To be printed on PKR 100 Stamp Paper)*

**Name:** \_\_\_\_\_  
*(Bidder or member of Joint Venture)*

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

The undersigned hereby authorize and request the bank, person, firm or corporation to furnish any additional information requested by the Employer deemed necessary to verify this statement regarding my (our) competence and general reputation.

The undersigned understands and agrees that further qualifying information may be requested and agrees to furnish any such information at the request of the Employer.

Employer undertakes to treat all information provided as confidential.

*Signed by an authorized Officer of the firm*

Title of Officer

Name of Firm

Date

**POSSESSION OF SITE HANDING / TAKING OVER**

Name of Sub-Project / Contract Name:

Name of Contractor / Contracting Firm:

Date of Award of Work:

Date of Contract Agreement:

Contract number:

The sub-project (Name of subproject) which pertains to the sites as shown in drawings are integral part of this Contract is hereby handed over to the Contractor M/s \_\_\_\_\_ on (Date, day, year) in presence of witness.

(Plan attached list of sites being handed over / taken over)

Handed over by

Name:

Designation: Chief Officer MC \_\_\_\_\_

Cell:

Stamp:

CNIC No:

taken over by (Contractor / Firm)

Name:

Designation:

Cell No:

Stamp:

CNIC No:

PEC No:

Witness (MOI)

Name:

Designation:

I, hereby take over the sites as marked in the plan attached as Annexure-A of this document

Witness:

Designated approved Site Engineer of  
Contracting Firm

# **FORMS**

**BID SECURITY  
PERFORMANCE GUARANTEE  
CONTRACT AGREEMENT  
MOBILIZATION ADVANCE GUARANTEE/BOND**



**BID SECURITY**  
**(Bank Guarantee)**

Security Executed on \_\_\_\_\_  
(Date)

Name of Surety (Bank) with Address: \_\_\_\_\_  
(Scheduled Bank in Pakistan)

Name of Principal (Bidder) with Address \_\_\_\_\_

Penal Sum of Security Rupees . \_\_\_\_\_ (Rs. \_\_\_\_\_)

Bid Reference No. \_\_\_\_\_

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bid and at their quest of the said Principal (Bidder) we, the Surety above named, are held and firmly bound unto \_\_\_\_\_

(hereinafter called the 'Employer') in the sum stated above for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Bidder has submitted the accompanying Bid dated \_\_\_\_\_ for Bid No. \_\_\_\_\_ for \_\_\_\_\_ (Particulars of Bid) to the said Employer; and

WHEREAS, the Employer has required as a condition for considering said Bid that the Bidder furnishes a Bid Security in the above said sum from a Scheduled Bank in Pakistan, to the Employer, conditioned as under:

- (1) that the Bid Security shall remain in force up to and including the date 28 days after the deadline for validity of bids as stated in the Instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Surety is hereby waived;
- (2) that the Bid Security of unsuccessful Bidders will be returned by the Employer after expiry of its validity or upon signing of the Contract Agreement; and
- (3) that in the event of failure of the successful Bidder to execute the proposed Contract

**BS-2**

Agreement for such work and furnish the required Performance Guarantee, the entire said sum be paid immediately to the said Employer pursuant to Clause 15.6 of the Instruction to Bidders for the successful Bidder's failure to perform.

NOW THEREFORE, if the successful Bidder shall, within the period specified therefore, on the prescribed form presented to him for signature enter into a formal Contract with the said Employer in accordance with his Bid as accepted and furnish within twenty eight (28) days of his being requested to do so, a Performance Guarantee with good and sufficient surety, as may be required, upon the form prescribed by the said Employer for the faithful performance and proper fulfilment of the said Contract or in the event of non-withdrawal of the said Bid within the time specified for its validity then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

PROVIDED THAT the Surety shall forthwith pay the Employer the said sum upon first written demand of the Employer (without cavil or argument) and without requiring the Employer to prove or to show grounds or reasons for such demand, notice of which shall be sent by the Employer by registered post duly addressed to the Surety at its address given above.

PROVIDED ALSO THAT the Employer shall be the sole and final judge for deciding whether the Principal (Bidder) has duly performed his obligations to sign the Contract Agreement and to furnish the requisite Performance Guarantee within the time stated above, or has defaulted in fulfilling said requirements and the Surety shall pay without objection the said sum upon demand from the Employer forthwith and without any reference to the Principal (Bidder) or any other person.

IN WITNESS WHEREOF, the above bounden Surety has executed the instrument under its seal on the date indicated above, the name and seal of the Surety being hereto affixed and these presents duly signed by its undersigned representative pursuant to authority of its governing body.

WITNESS:

1. \_\_\_\_\_  
\_\_\_\_\_

Corporate Secretary (Seal)

2. \_\_\_\_\_  
\_\_\_\_\_

Name, Title & Address

SURETY (Bank)

Signature \_\_\_\_\_

Name \_\_\_\_\_

Title \_\_\_\_\_

Corporate Guarantor (Seal)

**FORM OF PERFORMANCE GUARANTEE  
(Bank Guarantee)**

Guarantee No. \_\_\_\_\_  
Executed on \_\_\_\_\_  
Expiry date \_\_\_\_\_

[Letter by the Guarantor to the Employer]

Name of Guarantor (Bank) with address: \_\_\_\_\_  
(Scheduled Bank in Pakistan)

Name of Principal (Contractor) with address: \_\_\_\_\_

Penal Sum of Security (express in words and figures) \_\_\_\_\_

Letter of Acceptance No. \_\_\_\_\_ Dated \_\_\_\_\_

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bidding Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal we, the Guarantor above named, are held and firmly bound unto the \_\_\_\_\_ (hereinafter called the Employer) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said Employer, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has accepted the Employer's above said Letter of Acceptance for \_\_\_\_\_  
\_\_\_\_\_ (Name of Contract) for the \_\_\_\_\_  
\_\_\_\_\_ (Name of Project).

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Employer, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void;

otherwise to remain in full force and virtue till all requirements of Clause 49, Defects Liability, of Conditions of Contract are fulfilled.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

We, \_\_\_\_\_ (the Guarantor), waiving all objections and defenses under the Contract, do hereby irrevocably and independently guarantee to pay to the Employer without delay upon the Employer's first written demand without cavil or arguments and without requiring the Employer to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Employer's written declaration that the Principal has refused or failed to perform the obligations under the Contract which payment will be effected by the Guarantor to Employer's designated Bank & Account Number.

PROVIDED ALSO THAT the Employer shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling said obligations and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the Employer forthwith and without any reference to the Principal or any other person.

IN WITNESS WHEREOF, the above-bounden Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

\_\_\_\_\_  
Guarantor (Bank)

Witness:

1. \_\_\_\_\_

Signature \_\_\_\_\_

Corporate Secretary (Seal)

Name \_\_\_\_\_

Title \_\_\_\_\_

2. \_\_\_\_\_

Name, Title & Address

\_\_\_\_\_  
Corporate Guarantor (Seal)

**FORM OF CONTRACT AGREEMENT**

THIS CONTRACT AGREEMENT (hereinafter called the "Agreement") made on the \_\_\_\_\_ day of \_\_\_\_\_ (month) 20\_\_\_\_ between \_\_\_\_\_ (hereafter called the "Employer") of the one part and \_\_\_\_\_ (hereafter called the "Contractor") of the other part.

WHEREAS the Employer is desirous that certain Works, viz \_\_\_\_\_ should be executed by the Contractor and has accepted a Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW this Agreement witnessed as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents after incorporating addenda / Clarification as agreed or otherwise, if any, except those parts relating to Instructions to Bidders shall be deemed to form and be read and construed as part of this Contract, viz:
  - a. The Contract Agreement;
  - b. The Letter of Acceptance;
  - c. The completed Form of Bid;
  - d. Special Stipulations (Appendix-A to Bid);
  - e. Contract form for execution of work;
  - f. The priced Bill of Quantities (Appendix-D to Bid);
  - g. The completed Appendices to Bid (B, C, E to O);
  - h. Special Provisions;
  - i. The Drawings;
  - j. The Specifications;
  - k. Work Schedule;
  - l. (any other)
3. The contractor will have to complete the work within the stipulated period, according to specifications as mentioned in the acceptance letter and Contract Agreement to the entire satisfaction of the engineer in-charge.
4. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy defects therein in conformity and in all respects with the provisions of the Contract.
5. The Employer hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works as per provisions of the Contract, 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.

6. That if the contractor fails to comply with any of the conditions of the contract, he will be held liable for the consequences thereof which shall be either in the form of liquidated damages or allotment of work at his risk and cost or both. The damages so incurred shall be recovered from the contractor, either from his security money or his running/outstanding bills. Further, if any information/ document submitted by contractor/ firm, founds false, fabricated, materially incorrect at any stage, he/firm will be liable for blacklisting.
7. The Employer hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works as per provisions of the Contract, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed on the day, month and year first before written in accordance with their respective laws.

Signature of the Contactor

\_\_\_\_\_  
(Seal)

Signature of Employer

\_\_\_\_\_  
(Seal)

Signed, Sealed and Delivered in the presence of:

Witness:

\_\_\_\_\_

(Name, Title and Address)

Witness:

\_\_\_\_\_

(Name, Title and Address)

**MOBILIZATION ADVANCE GUARANTEE/BOND**

Guarantee No. \_\_\_\_\_ Date \_\_\_\_\_

WHEREAS \_\_\_\_\_ (hereinafter called the 'Employer') has entered into a Contract for

\_\_\_\_\_ (Particulars of Contract)

with \_\_\_\_\_ (hereinafter called the "Contractor").

AND WHEREAS, the Employer has agreed to advance to the Contractor, at the Contractor's request, an amount of Rupees \_\_\_\_\_ amount shall be advanced to the Contractor as per \_\_\_\_\_

AND WHEREAS, \_\_\_\_\_ (hereinafter called the "Guarantor") has agreed to furnish the mobilization advance to the Contractor on behalf of the Employer.

AND WHEREAS, \_\_\_\_\_ (hereinafter called the "Employer") has agreed to advance to the Contractor, at the Contractor's request, an amount of Rupees \_\_\_\_\_ amount shall be advanced to the Contractor as per \_\_\_\_\_

**NOT USED**

NOW, THEREFORE, the Guarantor hereby guarantees that the Contractor shall use the advance for the purpose of above mentioned Contract and if he fails and commits default in fulfilment of any of his obligations for which the advance payment is made, the Guarantor shall be liable to the Employer for payment not exceeding the aforementioned amount.

Notice in writing of any default, of which the Employer shall be the sole and final judge, on the part of the Contractor, shall be given by the Employer to the Guarantor, and on such first written demand, payment shall be made by the Guarantor of all sums then due under this Guarantee without any reference to the Contractor and without any objection.

This Guarantee shall remain in force until the advance is fully adjusted against payments from the Interim Payment Certificates of the Contractor or until \_\_\_\_\_ whichever is earlier.

(Date)

The Guarantor's liability under this Guarantee shall not in any case exceed the sum of Rupees \_\_\_\_\_(Rs \_\_\_\_\_).

This Guarantee shall remain valid up to the aforesaid date and shall be void after the aforesaid date or earlier if the advance made to the \_\_\_\_\_ is not used against payments from Interim Payment Certificates. The Guarantor agrees that the aforesaid period shall be the period in the above mentioned date the \_\_\_\_\_

**NOT USED**

2. Signature \_\_\_\_\_  
3. Name \_\_\_\_\_  
Title \_\_\_\_\_

WITNESS

1. \_\_\_\_\_  
\_\_\_\_\_  
Corporate Secretary (Seal)

2. \_\_\_\_\_  
(Name Title & Address) \_\_\_\_\_  
Corporate Guarantor(Seal)



**INDEMNITY BOND**  
**FOR SECURED ADVANCE**  
**AGAINST MATERIALS BROUGHT AT SITE**  
**(ON RS.40 NON JUDICIAL STAMP PAPER)**

This Deed of Indemnity is issued by M/s. \_\_\_\_\_  
 \_\_\_\_\_ (Name of the Contractor) in favour  
 of M/s. \_\_\_\_\_ (Name of the Employer).

**Whereas** \_\_\_\_\_ (hereinafter called the Employer) has paid the Secured Advance against the cost of material through any Bank or like agency by any other method by virtue of the terms of the contract existing between the parties. The details of the material and their price for which secured advance is being sought for the period \_\_\_\_\_ till consumption of material is as under:-

- |          |        |
|----------|--------|
| 1. _____ | at Rs. |
| 2. _____ | Rs.    |
| 3. _____ | s.     |
| 4. _____ | s.     |

**THEREFORE** \_\_\_\_\_ **WE** \_\_\_\_\_

I/We \_\_\_\_\_ do hereby indemnify \_\_\_\_\_ against all losses due to thefts, arson, pilferage, loss due to flood and fire, corrosion and depreciation etc. through any act of Man or God or slurrage or any other cause whatsoever of any or all the materials financed or paid by the Employer on our request for financing payment against material.

I/We \_\_\_\_\_ shall indemnify \_\_\_\_\_ against any or all claims, action damages arising out of or resulting to the said material.

I/We \_\_\_\_\_ further declare that we will faithfully abide by the above declaration and solemnly affirm that we will not remove, sell, pilferage any of the materials against which M/s \_\_\_\_\_ has paid us such a secured advance and will not pledge the same with any Bank, Finance Corporation, Firm, Company, Individual or the like agency or create any charge whereon in any from what so ever.

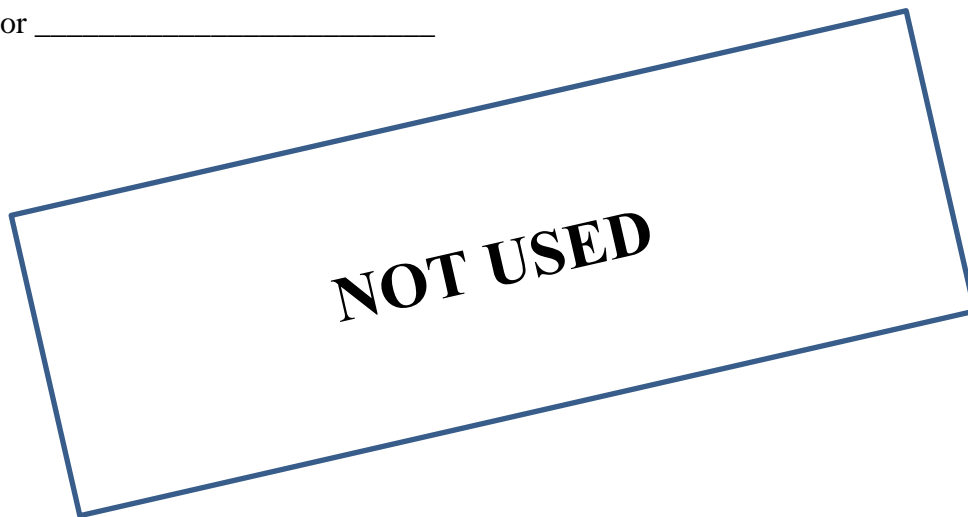
I/We \_\_\_\_\_ do hereby also declare that in the event of my/our infringement of the declaration made above

\_\_\_\_\_ will be entitled to forfeit all such material and also proceed against me/us according to the relevant clause pertaining to breach of contract and further invoke the power or seek any remedies secured of \_\_\_\_\_ under the contract Agreement signed with us or otherwise

available under law.

Place \_\_\_\_\_ Dated \_\_\_\_\_

Contractor \_\_\_\_\_



# **GENERAL / PARTICULAR CONDITIONS OF CONTRACT FOR WORKS**

**GOVERNMENT OF THE PUNJAB**

**CONTRACT FORM FOR EXECUTION OF WORK**

**(To be procured by the Contractor)**

**Copies of the Contract Form for Execution of Work can be obtained from Finance Department Punjab's Website as well as from the Employer.**

## **SPECIAL PROVISIONS**

## **SPECIAL PROVISIONS (CIVIL WORKS)**

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## **SPECIFICATIONS - SPECIAL PROVISIONS (CIVIL WORKS)**

Gojra, is the administrative capital of Gojra Tehsil and a city in the Toba Tek Singh District in Punjab province of Pakistan. Gojra is 50 kilometers from Faisalabad, 170 kilometers from Lahore and 20 miles north of Toba Tek Singh.

Scope of the work for this particular project “**UPGRADATION OF SEWERAGE SYSTEM AND CONSTRUCTION OF WASTE WATER TREATMENT PLANT (WWTP) GOJRA CITY PACKAGE 1 – SEWERAGE SYSTEM**”

The Project comprises of the Replacement of old, outlived, damaged or worn-out components in existing infrastructure for; -

- The existing sewerage system was laid against the Topographic conditions of the city. Hence, as soon the electric shutdown occurs the low-lying areas start overflowing. The resident of the areas is suffering bad environmental conditions and find difficult to move about in the waste water flooding.
- To improve the service delivery by laying of trunk sewer according to topographic conditions. It will provide Improvement of service delivery level of the municipal services in the served areas of the city for provision of better basic urban services for improved livability of the citizen.
- The new system is proposed to reduce in annual O&M cost of the infrastructure due to reduced repairs in the forthcoming years because of repair or replacement of infrastructure components.
- The major areas like Tehsil Headquarter Hospital, Ali Asghar Park, Hockey stadium which are adjacent to main Jhang road are without any proper sewerage system and hospital waste is being dispose of without any treatment. It is using by the formers for agriculture. The Gojra city is divided into 4 zones A, B, C & D. Zone A, B & C are partially served with sewerage system whereas, no sewerage network exists in zone D as well as north west areas of other zones are also without sewerage system. Overflow on the road are occurring resultantly, road network are damaging. MC Gojra spending huge funds for maintenance as well as reconstruction of road network. Municipal Committee has construct open drain for dewatering of wastewater and this wastewater is going to the agriculture form without any treatment.
- On completion of scheme about one hundred thousand peoples will benefited with sewerage facility as well as improve the existing
- The major areas are without sewer along the planned route of trunk sewer which will be benefited with sewerage facility and environmental condition will be improved.

Municipal Committee Gojra City is unable to render satisfactory service to the entire area of the city because of degraded infrastructure wherein major replacements are direly needed but MC could not be able to accomplish them because of low revenue recovery and funding constraints. As a result, major areas are deprived of the required level of the service. This is resulting in low credibility of the municipal services and citizen dissatisfaction. Further, the municipal infrastructure has not been extended keeping in pace with the growth of population which has impacted the service delivery level of MC

### **SP-2 DESCRIPTION OF THE WORKS**

**2.1** The work included in this Contract are as follows but not limited to these items only:

SN	Description
1	<b>RCC Sewers</b>
	a) 15" I/d b) c) d) e) f) g) h
	b) 18" I/d
	c) 21" I/d
	d) 24" I/d
	e) 27" I/d
	f) 30" I/d
	g) 36" I/d
	h) 42" I/d etc
2	Rest of road works

### **SP-3 SITE OF WORKS**

The work mainly comprising of **“UPGRADATION OF SEWERAGE SYSTEM AND CONSTRUCTION OF WASTE WATER TREATMENT PLANT (WWTP) GOJRA CITYPACKAGE 1 – SEWERAGE SYSTEM”**

### **SP-4 SETTING OUT**

Setting out data and control points for the construction of the road and allied works will be provided by the Engineer following the Notice to Commence but, in any case, prior to start of work.

### **SP-5 CLIMATOLOGICAL DATA**

Not used.

### **SP-6 UTILITIES**

The Contractor shall directly enquire from the utility companies about availability of connections of electric power supply and telephone lines for his use at the Site. In case of non-availability of electric power supply from national grid to meet his requirements the Contractor shall provide at his own cost electric power generators as necessary for supply of power for the various parts of the Works including his camps, offices, stores, workshops and other installations as well as for the Engineer's Site office provided under Sub-Clause SP 20.1. The Contractor shall bear all costs for constructing, operating and maintaining the generation system, including the standby generation system, and distribution system including providing diesel, oil or other consumables and all services and necessary attendance to ensure uninterrupted power supply at all



times.

The Contractor shall make his own investigations and arrangements for supply of water of acceptable quality for construction requirements and safe drinking water for his staff and workmen and for the staff of the Engineer.

No separate payment will be made to the Contractor for works performed under this Clause and the costs thereof shall be deemed to be included in the rates and prices of the various items in the Bill of Quantities.

## **SP-7 TOPOGRAPHY AND GEOLOGY OF THE SITE**

The details of Topography is with the Employer / Engineer.

## **SP-8 EXTENT OF WORK**

The Contractor shall remove all debris and unsuitable construction to the Engineer's satisfaction with no additional cost.

The Contractor shall construct the Works in accordance with the Drawings and Specifications and as directed by the Engineer. The Contractor shall procure, furnish, provide and arrange all the necessary construction materials, equipment, transportation, fuel, electric power, water and services; be responsible for the construction and maintenance of the construction camps, offices, workshops and warehouses that he may require, and perform all other work necessary for completion of the Works described herein, in complete conformity with the Contract.

## **SP-9 DRAWINGS**

### **9.1 Bidding Drawings**

The Drawings provided as separate volume of Bid Documents and hereinafter referred to as Bid Drawings show the scope of the work to be performed by the Contractor. The Bid Drawings shall not be used as a basis for fabrication or construction, but may be used as the basis for planning, scheduling and placing preliminary orders for materials, subject to corrections based on future issue of Construction Drawings. Any other Drawings if issued through Addenda, before opening of Tenders, shall become part of the Bid Drawings.

### **9.2 Construction Drawings**

After award of Contract, Bidding Drawings will be replaced by Drawings issued by the Engineer for Construction, with such modifications as may be necessary. The Drawings Issued for Construction will include Bid Drawings re-issued, Bidding Drawings modified and additional Drawings as required to develop in greater detail the construction required and shall be referred to hereinafter as "Construction Drawings". The Construction Drawings that show changes from the Tender Drawings and Specifications, will be reviewed by the Engineer for determination of adjustments, if any, of the Contract Price in accordance with the provisions of Clause 51.1, Variations, of the Conditions of Contract. The work shall be executed in conformity with the Construction Drawings.

The Engineer and Contractor shall jointly prepare a schedule for issuance of Drawings Issued for Construction of the various parts of the Works based on a list of drawings provided by the Engineer.

### **9.3 Checking of Drawings**

The Contractor shall carefully check all Construction Drawings as soon as practicable after receipt thereof, and shall promptly advise the Engineer of any errors if discovered.

## **SP-10 RIGHT TO CHANGE**

The Engineer may find it desirable to change location, alignment, dimensions or design of one or more of the features of the Works to conform to the newly disclosed conditions. Toward this end, the Engineer reserves the right to make such reasonable changes, and the Contractor's operations shall be conducted so as to accommodate any such changes in the Works.

## **SP-11 DRAWINGS/DATA TO BE FURNISHED BY EMPLOYER /ENGINEER**

### **11.1 Procedure for Submittal of Contractor's Drawings**

All drawings showing construction details shall be provided by the Employer/Engineer.

### **11.2 Other Drawings**

Other drawings additional to those referred to herein-above required by the Specifications showing proposed methods of constructing Temporary Works and all bar bending schedules shall be submitted by the Contractor to the Engineer for approval.

### **11.3 Ownership of Drawings etc.**

All the drawings, details, and any other information or documents furnished by the Engineer shall become the property of the Employer.

## **SP-12 COOPERATION WITH OTHER CONTRACTORS**

The Contractor shall cooperate and coordinate his work with that of the other contractors working at the Site, to whatever extent may be necessary to complete the Works in accordance with the approved programme and the Engineer's instructions.

## **SP-13 QUALITY OF MATERIALS**

All materials, fixtures, fittings, and supplies furnished under the Contract shall be new and unused, of standard first grade quality and of the best workmanship and design. No inferior or low grade materials and supplies will be either approved or accepted, and all work of assembly and construction shall be done in a first class and workmanlike manner. In asking for prices of materials intended for delivery to the Site and incorporation in the Works under any portion of these Specifications, the Contractor shall provide the manufacturer or supplier with complete information as may be necessary to secure compliance with these requirements and, in every case, he shall quote this Clause in full to each such manufacturer or supplier.

Prior to procurement, the Contractor shall furnish to the Engineer, for his approval, the names of the manufacturers of all equipment and materials which he contemplates incorporating in the Works. With this information, the Contractor shall also furnish such pertinent information as to capacities, efficiencies and sizes, and such other information as may be required by the Engineer. Samples of materials shall be submitted to the Engineer for approval unless waived of by the Engineer. Equipment, materials, supplies and articles installed or used without the Engineer's approval shall be at the risk of subsequent rejection.

The Contractor shall use non-reactive aggregates from suitable quarries for concrete work. The Contractor shall use deformed steel reinforcement bars rolled from Pakistan Steel Mills billet or equivalent from re-rolling mills proposed by the Contractor and approved by the Engineer.

## **SP-14 INSPECTIONS AND TESTS**

### **14.1 Inspection**

All equipment and materials furnished under the Contract and all work performed in connection therewith under the Contract shall be subject to inspection and testing by the Engineer or his authorized agent at all times and in all stages of completion. Inspection at the manufacturer's plant may be made to determine that the equipment and materials meet the requirements of these Specifications. The Contractor shall notify the Engineer not less than 05 days in advance of the date and place that the equipment or materials will be available for inspection and testing. No equipment or materials shall be transported until inspection at the manufacturer's plant has been made. Acceptance of equipment and materials or the waiving of inspection and testing thereof shall in no way relieve the Contractor of the responsibility for furnishing equipment and materials meeting the requirements of the Contract Documents. Confirmatory tests shall also be carried out at the Site or at an approved laboratory, as instructed by the Engineer. These tests shall be witnessed by the Engineer and performed at no additional cost to the Employer.

Contractor will submit his submittal to Engineer/Employer in case of Non-scheduled items or Items to be imported for approval prior to booking to supplier/manufacturer before undertaking the item into execution. Submittal proposed from contractor must comprise minimum three proposed manufacturers to be submitted to Engineer for approval purposes. It will be discretion of Engineer to recommend for approval one of them or as contractor for other than those manufacturer proposed in shape of submittal by contractor for someone else on equivalency basis. Pre-shipment inspection of the selected manufacturer's equipment will be carried out by the engineer/employer. Contractor must submit Bill of lading of such imported equipment prior to transport to site. Confirmatory tests shall also be carried out at the Site or at an approved laboratory, as instructed by the Engineer. These tests shall be witnessed by the Engineer and performed at no additional cost to the Employer.

### **14.2 Testing**

The Engineer will make such tests on concrete, aggregates, fill materials, reinforcing steel and other materials as he may from time to time select, and the Contractor shall provide at his own cost such samples or assistance in sampling materials at the Site as

the Engineer may reasonably require. Testing by the Engineer shall in no way relieve the Contractor of his responsibility to test materials to ensure that they meet all the specified requirements and to control their quality. The Engineer may accept that items manufactured away from the Site meeting the specified requirements without further testing subject to the Contractor furnishing satisfactory proof of compliance with these Specifications in one or more of the ways described below.

The Contractor shall provide free of charge such material testing equipment, labour, materials, electricity, fuel, water, stores, apparatus and feedstock as may be reasonably required by the Employer to carry out the Tests as per the required frequency. Further contractor shall make all kind of arrangements for third party inspection/ Witnessing of Factory Acceptance Tests of major components of manufacturing factory whether located in Pakistan/abroad for four officials (02 from Employer and 02 from Engineer-In-charge side). All expanses regarding air tickets, visa in case of abroad, boarding/lodging, food, transport, hoteling etc. will be borne by the Contractor and no extra/additional payment will be made to contractor. Contractor shall quote his prices keeping in view of such expanses.

#### **Manufacturer's Certificate of Compliance**

In the case of standard labelled stock products of standard manufacture which have a record of satisfactory performance in similar work over a period of not less than five years, the Engineer may accept a notarised statement from the approved manufacturer certifying that the product conforms to the applicable specifications.

#### **Mill Certificates**

Regarding materials for which such practice is usual, the Engineer may accept the approved manufacturer's certified mill and laboratory certificates.

#### **Testing Laboratory Certificates**

The Engineer may accept a certificate from a renowned commercial testing laboratory, satisfactory to him, certifying that the product has been tested within a period acceptable to the Engineer and that it conforms to the requirements of these Specifications.

#### **Service Record**

If a demonstrable satisfactory service record for a period not less than five (05) years is available for a material, certain specified tests may be waived off by the Engineer.

### **14.3 Cost**

The cost of any laboratory, field and shop tests required from any agency of compliance with under Specifications shall be borne by the Contractor.

## **SP-15 CONSTRUCTION PROGRAMME**

### **15.1 General**

The Contractor shall submit his programme for execution of the Works in accordance with Clause 14.1 [*Programme to be Submitted*], under the Conditions of Contract, to the Engineer for approval. The programme may contain adjustments if any, to the CPM (Critical Path Method) based Bar Chart submitted with the Bid. The completion date, milestones, and key targets indicated in Appendix-E to Bid, or dates earlier than the said milestone and key target dates, shall be shown on the construction programme to be submitted by the Contractor. Other dates including rates of progress for various parts of the Works in the construction programme may be changed by the Contractor and submitted for approval. The operations under each section of the programme submitted by the Contractor shall be broken down in greater detail than those shown on the Schedule submitted with the Bid.

The programme shall also show the timing of provision of any facilities the Contractor is required to supply for use by the Employer and the Engineer, in such manner that these shall be available as stipulated in the Contract and instructed by the Engineer.

### **15.2 Submittals**

- (a) The initial submittal of network analysis shall include a description of the major items of construction equipment planned to be used. The description of the equipment shall include the type, number of units, their capacity, etc. The forecast shall include the estimated dates on which each major item of construction equipment will be on the job. The Bar Chart and the Network Analysis shall be submitted within 14 days after receipt of the Letter of Acceptance.

The submittal shall consist of:

- (i) 4 copies of the Bar Chart.
- (ii) A narrative summary of the construction plan.
- (iii) A backup of the schedule files on re-writable CD disks or pen drive.

The Engineer will review the construction schedule and the approved initial submittal will be the Project Baseline Schedule by which the performance of the Contractor will be measured

- (b) Monthly submittals shall show completed progress of each activity during the past month, with forecast for the coming month. Hammock networks shall be incorporated on the Base Line Schedule of activities. Each monthly submittal shall contain:
  - (i) 4 copies of the Bar Chart.
  - (ii) 4 copies of a time scaled logic diagram for the next three months.
  - (iii) A narrative summary of the schedule related issues and status. The narrative shall include discussion of pending schedule changes submitted to the Engineer in the past month.
  - (iv) A backup of the schedule files on rewritable CDs or pen drive.

- (c) The successful bidder shall submit the supervision plan in respect of Environmental Health Safety SOPs and Environment and Social Management & Monitoring Plan on monthly basis along-with other deliverables manifesting the progress activities as per schedule.

### **15.3 Progress Schedule**

Both the bar charts and network analysis schedules shall be continuously monitored and kept current and updated by the Contractor throughout the work, and at least on every milestone date and submitted for approval. The Contractor's schedules shall be available for examination during normal business hours. All revisions shall be accompanied by a detailed explanation of the reasons for the changes and describing any new or modified construction procedure proposed and, if applicable, any steps being taken to improve progress to achieve completion within the Time for Completion.

## **SP-16 LAY OUT OF WORKS**

### **16.1 Reference Points, Lines and Levels**

The Engineer will lay out a reference line or lines in the field with accompanying points and/or bench-marks to enable the Contractor to establish there from survey control for construction.

### **16.2 Verification**

The Engineer may make checks as the work progresses to verify lines, levels and grades established by the Contractor and to determine the conformance of the work as it progresses with the requirements of the Specifications and the Drawings. Shall not relieve the Contractor of his responsibility to perform all work in accordance with the Drawings and Specifications and the lines, levels and grades given therein.

### **16.3 Primary Control Points**

Based upon the Engineer's basic control, the Contractor shall provide his own primary control points, as needed for the Works, and shall preserve and maintain them until otherwise authorized.

The Contractor shall be responsible for maintaining all survey markers/monuments, and property corners. If any markers/monuments are disturbed or destroyed by the Contractor, the Contractor shall arrange, at his own cost, to retrace and replace them to the entire satisfaction of the Engineer. If a monument cannot be replaced in its original position, the Contractor shall install a witness corner. The Contractor shall complete and file monument reference cards on all monuments as per instructions of the Engineer.

### **16.4 Construction Surveyors**

The Contractor shall provide experienced construction surveyor/s with adequate experience in the construction surveys similar in nature as required by this Contract.

## **16.5 Basic Control Monument**

Based upon the Engineer's established basic control monuments, the Contractor shall establish all lines and grades necessary to control the Works, and shall be responsible for all measurements that may be required for execution of the Works to the tolerance prescribed in Sub-Clause 16.7 below.

## **16.6 Surveys and Computations**

The Contractor shall perform such surveys and computations as are necessary to determine quantities of work performed or placed during each progress payment period, and shall also perform all surveys required by the Engineer to determine final quantities of work in place. The Engineer will determine final quantities based on original ground levels determined by the Contractor and agreed by the Engineer.

The Contractor shall notify the Engineer at least 24 hours before performing a quantity survey and, unless specifically waived, quantity surveys shall be performed in the presence of and agreed by an authorized representative of the Engineer.

## **16.7 Tolerances**

Degree of accuracy for the survey works shall satisfy the following specified tolerances:

- (a) Alignment of tangents and curves shall be within 0.1 foot for 1,000 feet i.e., an accuracy of 1:10,000.
- (b) Structure points shall be set within 0.01 foot accuracy from point to point, except where tighter tolerances are required.
- (c) Cross-section points shall be located within 0.10 foot, horizontally and 0.01 foot vertically.
- (d) Permissible closing error for a levelling line meant for establishing Temporary Bench Mark (TBMs) shall not exceed  $0.045 \times \sqrt{M}$  foot, where M is in miles. The permissible closing error shall be duly adjusted.

## **16.8 Material and Equipment**

The Contractor shall provide all materials, equipment and labour required for work.

## **SP-17 STANDARDS AND SPECIFICATIONS**

Except as otherwise provided by these Specifications or the Drawings all materials, equipment and fabrication and testing thereof shall conform to the latest applicable Standards and Specifications contained in the following list or to equivalent applicable Standards and Specifications. Copies of these Standards and Specifications may be purchased from the indicated agency, which publishes them:

- |   |  |      |
|---|--|------|
| - | British Standard                           | BS   |
| - | American Concrete Institute                | ACI  |
| - | American Society for Testing and Materials | ASTM |

Where relevant Standards and Codes of Practice now quote metric units only, these are to be interpreted as required to the nearest equivalent imperial (foot/pound) unit for the purposes of this Contract.

All materials and workmanship not fully specified herein or covered by an approved Standard shall be of such a kind as is used in first class work and suitable to the climate in the Project Area.

If the Contractor, at any time and for any reason, wishes to deviate from the above standards or desires to use material or equipment not covered by the above standards, he shall state the exact nature of the changes, the reason for making the change and shall submit complete specifications of the materials and equipment to the Engineer for approval.

## **SP-18 ACCESS TO SITE**

### **18.1 Right of Way for Access and Haul Routes**

The Contractor shall be responsible for providing and maintaining access routes for the Works. The right of way for access to the Works from existing roads will be provided by the Employer. The Contractor shall make his own investigations of the condition of available public or private roads and of clearances, restrictions, bridge load limits and other limitations that affect or may affect transportation and ingress and egress at the job sites. The repair and reinstatement of roadways, drain and canal banks if damaged during operation shall be the responsibility of the Contractor without any additional cost to the Employer. The Employer controlled right of way shall be the Right of Way (ROW) available to the Contractor for carrying out the Works.

### **18.2 Restoration of Site**

On completion of the Works, the Site shall be restored by the Contractor to its original conditions as far as practicable and left in tidy condition.

## **SP-19 FACILITIES TO BE PROVIDED BY THE CONTRACTOR AT SITE**

### **19.1 Contractor's Camps**

The Contractor is required to arrange the facility of housing in nearby area of the project for the labour through portable containers or house on rent in compliance with PMDFC SOPs for labour / construction worker including women worker. In case of failure and on lodging of complaint by the labour to the Engineer will result in fining of Rs. 5000 / day. Preference shall be given to utilization of local labour / construction workers.

### **19.2 Temporary Sanitary Facilities**

- (a) The Contractor shall provide adequate temporary sanitary conveniences for the use of his employees and persons engaged on the work, including the Engineer and his employees. He shall ensure that his employees and labour make proper use of the latrines and do not foul the Site.
- (b) In addition to toilet facilities, suitable and adequate washing facilities shall be provided.



- (c) Sanitary facilities shall be located as directed or approved by the Engineer and shall be maintained in a clean and sanitary condition during the entire course of the work.
- (d) The septic tank and/or temporary holding tank(s) shall be kept pumped out at such intervals that the tank(s) will not overflow and contaminate the ground, flowing streams or surface drainage.
- (e) On completion of the Works, sanitary facilities shall be properly disinfected and all evidence of same including temporary buried tanks and foundations removed from the Site.

### **19.3 Medical Facilities**

The Contractor shall arrange provision of adequate medical facilities for his employees.

Adequately equipped dispensary/ies with qualified and experienced staff shall be provided by the Contractor at his camps. In addition suitably equipped first aid stations manned by trained staff shall be provided at strategic locations, to administer first aid treatment at all times free of charge to all persons on the Site, including personnel of the Engineer and the Employer. The nature, number and location of facilities furnished and the Contractor's staff for administering first-aid treatment shall meet the requirements of the Health Services of the Government of Pakistan.

### **19.4 Operation and Maintenance of the Camps and Facilities**

For the purpose of operation and maintenance of the camps and facilities provided as above, the Contractor shall comply with all applicable provisions of the Pakistani Labour Laws and specifically to the following requirements:

- (a) Camp areas shall be kept dry and free from dense vegetation. Measures shall be taken to control dust within the camp area, by water or oil spraying or other approved means.
- (b) Any ponded water around a camp shall be sprayed weekly with oil or other approved anti-malaria liquid.
- (c) The Contractor shall provide garbage collection and disposal services for his construction camps and the Engineer's office. Disposal shall be by burial (landfill) and/or incineration. Disposal area shall be located a sufficient distance away and downwind from camp facilities and offices so as not to create objectionable odours or health hazards. Equipment, methods of collection and disposal and location of disposal areas shall be submitted to the Engineer for approval.
- (d) The interior walls and ceilings of buildings shall be lime washed or painted. The whole of the open spaces around the buildings shall be swept each day and all rubbish removed. The living areas shall be suitable for the climatic conditions. Roof height shall not be less than 10.5 ft. and adequate number of ceiling fans shall be provided.
- (e) Adequate sanitary conveniences, including washing and bathing places shall be

maintained at each of the camps. All sanitary fixtures, receptacles, toilet rooms, lavatories and wash rooms shall be cleaned and disinfected at least once every day.

#### **19.5 Drainage**

The ground around the buildings shall be graded to slope away from building perimeters so as to provide adequate drainage and shall be thoroughly compacted. Excavated material shall be disposed of by filling in low areas or as otherwise directed by the Engineer.

#### **19.6 Water Supply**

The Contractor shall arrange for the water supply for his staff residences, labour camps, site offices, work yards, workshops, and various camp facilities. Construction of pumps, storage tanks, overhead tank, distribution system, and their proper running and maintenance shall be his responsibility. Water shall be supplied to the camps 24 hours a day. Adequate supply of water, cooled in summer, shall be ensured in camps and sites of work. Water samples shall be tested periodically to ensure that it is fit for human consumption.

#### **19.7 Electricity Supply**

The Contractor shall provide electricity required for the Works including labour camps, staff residences, offices including the Engineer's Site office and various camp facilities. The Contractor shall also provide sufficient standby electricity supply arrangements for his needs.

#### **19.8 Utility Lines**

The Contractor Shall conduct his operations, make necessary arrangements, take suitable precautions and perform all required work incidental to the protection of and avoidance of interference with power, telephone, water and other utilities within the areas of his operations in connection with the Contract. No separate payment shall be made for such incidental work. In case the utility lines are required to be relocated the Contractor shall arrange their relocation with the concerned departments and organizations. The Contractor shall obtain cost estimates for relocation of utilities for the Engineer/Employer's approval before execution of the Work .The Contractor shall be reimbursed the actual approved cost carried in by him.

#### **19.9 Handing Over/Removal after Completion**

Upon completion of the Works, the Contractor shall remove all the Contractor's camps, labour and staff accommodation, site office, other installations and buildings constructed and all facilities provided by the Contractor under this Clause, and the Site cleared and reinstated to the satisfaction of the Engineer.

#### **19.10 Measurement and Payment**

Except as provided in SP-19.8 no separate payment will be made for the work included under the Clause SP-19; the cost thereof is deemed to be included in the rates and prices of other items entered in the Bill of Quantities. The contractor is bound to comply with

all the instructions stated in SP-19 and in case of otherwise or if any complaint lodged by the labour to the Engineer / Client, the contractor will be penalized for amounting to Rs. 5000 / day.

## **SP-20 PROVISION OF FACILITIES FOR THE ENGINEER (FOR CONSULTANT STAFF) /EMPLOYER**

### **20.1 Facilities for Engineer/Employer's Staff:**

(a) **Site offices:**

One furnished portacabin with all the requisite accessories for the Engineer / Employer

### **20.2 Ownership of Site facilities**

All facilities/utilities provided by the contractor as stated above in Clause-20.1 will be property of Engineer In charge after successful handing taking over of project and expiration of defect liability period considering that the said amount is included in all items listed in Bill of Quantities.

### **20.3 Measurement and Payment**

No extra/separate payment will be made to Contractor considering that Contractor has quoted his bid keeping in view of such expanses.

## **SP-21 PROGRESS PHOTOGRAPHS**

The Contractor shall furnish to the Engineer every month, for the site of Fifteen colour photographs on CD or pen drive and 4 colour prints of each photograph taken with a digital camera to clearly show the progress of construction. Each photograph shall be submitted in four prints of size 20 cm x 25 cm. Each print shall be marked on the back side with the caption of the activity, date and serial number. There shall be no writing, lettering or marking on the face of the photograph. Progress photographs shall be submitted from the month, following the month in which Notice to Commence is issued and continued till completion of the Works.

No separate payment will be made for the work specified herein and the cost thereof shall be deemed to be included in the other items of the Bill of Quantities.

## **SP-22 SITE FACILITIES TO BE PROVIDED BY THE EMPLOYER**

### **22.1 General**

Without prejudice to the generality of the various clauses of the Contract and except for the facilities referred to hereinafter, particular attention is drawn to the obligations of the Contractor to make his own arrangements for providing, maintenance and furnishing of labour camps, staff residences, offices, workshops, stores watching and guarding thereof.

The Contractor shall submit his written demand of his requirements of land for his Site Facilities as herein specified, at least 28 days in advance.

## **22.2 Area for Storage and Workshop**

The contractor will arrange an open area of adequate size for the facilities listed in Appendix-H to Tender and approved by the Engineer, for use as storage, and workshop areas. The Contractor shall provide and maintain at his own cost, all fencing, any necessary clearing, land levelling, foundations and above ground structures for sheds, covered areas, workshops, electricity, telephone, water distribution and waste water disposal etc, as he may need to meet his requirements.

### **SP-23 SAFETY MEASURES AT CONSTRUCTION SITE**

- a) Pursuant to the provisions of Sub-Clause, for Safety Measures the Contractor shall observe high standards of safety for men and machines at all times and with regard to safety.
- b) The Contractor shall take all possible measures to protect his personnel from harm. In case of any casualty or injury to any person due to the Contractor's operations, the Contractor shall ensure quality medical treatment and payment of due compensation.
- c) The Contractor shall not permit casual observers to come close to the sites where excavation and other hazardous operations are being performed.

### **SP-24 ENVIRONMENTAL PROTECTION**

The Contractor shall exercise care to protect the natural landscape and shall conduct his construction operations so as to prevent any unnecessary destruction, scarring or defacing of the natural surroundings in the vicinity of the Works. Except where clearing is required for the Permanent Works, approved construction roads and the Temporary Works, and for excavation operations, all trees and native vegetation shall be preserved and shall be protected from damage which may be caused by the Contractor's construction operations and equipment. On completion of the Works, all work areas shall be smoothed and graded in a manner to conform to the natural appearance of the landscape. Where unnecessary destruction, scarring, damage or defacing may occur as a result of the Contractor's operations, it shall be repaired, replanted, or otherwise corrected as directed by the Engineer at no additional cost to the Employer.

Contractor will get appreciation/performance certificate from Engineer in charge and reward of Rs. 200,000/- upon compliance with E&S attributes at the last IPC on recommendation of DPO-ESM to engineering in charge

Contract may be terminated upon serving of 4th E&S Non-Compliance notice from the DPO-ESM to Engineer in charge.

Contractor will hire services of a Qualified Environmentalist/Manager EHS before the commencement of construction activities under the Sub-Project. (CV to be shared for approval to DPO-ESM)

The Environmental Health Safety SOPs for Labour / Construction Workers including Women workers and Environment and Social Management & Monitoring Plan are attached with this bidding document as **Annexure-1** and **Annexure-II**

**UPGRADATION OF SEWERAGE SYSTEM AND CONSTRUCTION OF  
WASTE WATER TREATMENT PLANT (WWTP) GOJRA CITY**

**BILL OF QUANTITY OF PROVIDING AND LAYING TRUNK AND  
BRANCH SEWER GOJRA**

**PACKAGE-1**

**GENERAL ABSTRACT OF COST**

<b>Ser #</b>	<b>Description</b>	<b>Amount (RS.)</b>
1	Providing and Laying Trunk Sewer	
2	Restoration of Roads (Trunk Sewer Route)	
3	Providing and Laying Branch Sewer	
4	Restoration of Roads (Branch Sewer Route)	
	<b>Sub Total Amount(Rs.)</b>	
5	Environmental & Social Management & Monitoring Plan	
	<b>Grand Total Amount (Rs.)</b>	

**BILL OF QUANTITY  
FOR THE SCHEME  
PROVIDING AND LAYING TRUNK SEWER IN GOJRA CITY**

S#	Ref. CSR P/item	Description	Unit	Quantity	Rate	Amount
1	C-4/46	Dismantling and removing road pavement etc, including screening and stacking of by products upto chain (30m) lead.	100 Cft.	78,396.75		
2	N.S	Dismantling of tuff tile	100 Cft.	12,375.00		
3	C-4/46	Dismantling of sub base	100 Cft.	6,187.50		
4	C-3/42	Earth work excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct sections and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle gravel and rock. (i) 0 ft to 7 ft. Depth (ii) 7 ft to 15 ft. Depth (iii) Above 15 ft. Depth	1000 Cft. 1000 Cft. 1000 Cft.	1,551,471.36 1,026,703.76 61,527.79		
5	C-3/43	Earth work excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct sections and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle gravel and rock. i) 0 ft. to 4.0 ft. (0 to 1.20 m) depth below SSWL. ii) 4.01 ft. to 8.0 ft. (1.22 to 2.4 m) depth below SSWL	1000 Cft. 1000 Cft.	66,636.00 49,977.00		
6	C-21/6	Lowering of sub-soil water table, by installation of tubewells along sewer line and pumping out water, for excavation in open cutting below sub-soil water level, concreting, curing, laying and jointing pipes, filling haunches, etc. till the completion of sewer line, including disposal of pumped out water:- 6) 0-6 ft. (0 to 1830 mm) below SSWL	1 Rft	2,468.00		
7	C-3/27	Extra for slush or Daldal	1000 Cft	22,687.50		
8	C-26-35	Bailing out water:- b) by pump	1000 Cft	3,744,000.00		
9	C-21/23	Providing and laying crushed stone aggregate of 1/4" to 1" gauge under and around the sewer pipe, including leveling, manual compaction, complete in all respects	100 Cft	254,557.03		
10	C-21/3	Providing and Laying R.C.C. pipe sewer moulded with cement concrete 1:1.5:3 conforming to ASTM specification C-76-79, Class-II, Wall-B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing etc. complete.  21" dia 24" dia 27" dia	Rft Rft Rft	1,010.00 4,387.00 2,408.00		
11	C-21/4	Providing and Laying R.C.C. pipe sewer moulded with cement concrete 1:1.5:3 conforming to ASTM specification C-76-79, Class-III, Wall-B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing etc. complete.  33" dia 36" dia 42" dia	Rft Rft Rft	2,105.00 3,129.00 6,930.00		
12	C-21/4	Providing of R.C.C. pipe sewer moulded with cement concrete 1:1.5:3 conforming to ASTM specification C-76-79, Class-III, Wall-B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing etc. complete.  36" dia 42" dia	Rft Rft	990.00 150.00		
13		Laying of pipe by jacking method 36" dia 42" dia	Rft Rft	990.00 150.00		
14	C-3/17	Transportation of earth all types when the total distance including the lead covered in the item of work, is more than 1000 ft. (300 m) lead upto 3 km	1000 Cft.	373,900.50		
15	C-3/13	(i) Rehandling of earth work. (a) Lead upto a single throw of Kassi, pharaoh or shovel.	1000 Cft.	1,979,773.20		
16	C-3/24a,c	(ii) Compaction of earth work. (a) Mixing, moistening earth to optimum moisture content in layers for compaction etc. complete.	1000 Cft.	1,979,773.20		
17	N.S	Providing and applying epoxy lining in the main sewer lines (24" and above dia) complete in all respects	1 Sft	168,398.00		

S#	Ref. CSR P/Item	Description	Unit	Quantity	Rate	Amount
18	C-21/9	Extra for making and finishing benching floor work in manhole chamber with 1/8" thick cement finish.	100 Sft.	2,553.95		
19	C-6/5	Cement concrete plain including, placing, compacting, finishing, and curing complete (including screening and washing of stone aggregate. (I) P.C.C. 1:3:6 (II) P.C.C. 1:2:4	100 Cft. 100 Cft.	8,356.50 4,599.77		
20	C-7/7	Pacca brick work other than building upto 10 ft height in 1:3 cement sand mortar.	100 Cft.	35,943.68		
21	C-7/10	Extra for pacca brick work in steining of wells or any other circular masonry.	100 Cft.	35,943.68		
22	C-11/8	Cement plaster 1/2" thick (1:3) cement sand mortar upto 20' height.	100 Sft.	79,698.48		
23	C-21/13	Providing and fixing 1½"x1¼"x3/16" (31x31x5 mm) angle iron step, in manhole chambers, including carriage and setting the same in work to correct lines and levels.	- Each	926.00		
24	C-6/2	Dry rammed bricks or stone ballast 1.5" to 2" gauge.	100 Cft.	8,804.13		
25	N.S	RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26" dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	- P.set	122		
26	C-1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. 93 km lead (Ch.No. 1, Item.No. 1)	100 Cft	13254.67		
27	C-21/21	Providing and Installing C.I ventilating shaft painted with bituminous paint with foundation bolts as per PHED standard drawing STD/PD No. 4 of 1977, complete in all respect (except concrete foundation block):-6" (150 mm) i/d shaft iv) 36 ft. (11 metre) long 6" (150 mm) i/d shaft, 24 ft. (7.30 metre) long 9" (225 mm) i/d shaft, 24 ft. (7.30 metre) long	100 Kg. 100 Kg.	1,500.00 3,000.00		
28	C-18/3a-II	<b>Restoration of tuff tile</b> Re-Laying of Sub Base Course by using old material (received through dismantalling of road crust, compacted up to 100% modified AASHO dry density complete in all respect. (Labour Rate only)18/3a-II	100 Cft.	5,568.75		
29	C-10/3	Supplying and filling sand under floor; or plugging in wells.	100 Cft.	2,103.75		
30	C-10/41	Re-laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured a) 50-mm thick	P Sft	12,375.00		
31	C6-1-6	P/L reinforced cement concrete (including prestressed concrete), using coarse sand and aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing,rendering and finishing exposed surface, complete.  (a) Reinforced cement concrete in slab of Raft/strip foundation; base slab of column and retaining walls; etc. and other structural members other than those mentioned in 5(a) (i) above not requiring from work, complete in all respects:-  Ratio 1:1.5:3	P.Cft	1768.41		
32	C-6/12	Fabrication of mild steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust). (b) deformed bars. 60 grade	100 Kg	3536.82		
<b>Total:- (A)</b>					<b>Rs.</b>	

**BILL OF QUANTITY**  
**FOR THE SCHEME**  
**PROVIDING AND LAYING TRUNK SEWER IN GOJRA CITY**

S #	Ref. CSR P/Item	Description	Unit	Quantity	Rate	Amount
1	R.A	Making connections of sewer line with manhole of existing sewer line complete in all respect. (i) 9" to 18" dia with 27" dia (i) 12" to 18" dia with 36" dia	- Job - Job	5.00 8.00		
2	R.A	Left in place shuttering used for laying of pipe by jacking method		1,242.00		

Total:- (B)                      Rs.  
Total:- (A+B)                      Rs.  
Say:-                                      Rs.



**Restoration of Roads (Trunk Sewer Route)**

Sr. No:	Description of items	Quantity	Rate	Unit	Amount
1	Supplying and filling sand under floor; or plugging in wells.. (10/3)	373,900.50		P.% Cft	
2	Re-Laying of Sub Base Course by using old material (received through dismantalling of road crust, compacted up to 100% modified AASHO dry density complete in all respect. (Labour Rate only)18/3a-II	67920.75		P.% Cft	
3	Providing and laying of road edging of 3" wide and 9" deep brick on end complete in all respect. 18/5	12374.00		P.Rft	
4	Providing & Laying (Water Bound macadam) Base Course of crushed stone aggregate form Kirana quarry of required thickness of approved quality and grade, and supply and spreading of stone screening , including placing, mixing, spreading and compaction of base course material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density, including carriage of all materials to site of work, complete in all respect. 18/4a	45506.90		P.% Cft	
5	Providing and Laying bitumenious priming coat, using 10 Lbs kerosin oil and 10 lbs binder per 100 Sft or 0.5 Kg Kerosene and 0.5 Kg binder per square metre.C-18/6	67920.75		P.% Sft	
6	Providing ana laying Plant Premixed bitumenious carpt i/c compaction and finishing to required grade camber and density with 4.5 % bitumen 2" thick. (AWC)	67920.75		P.% Sft	

**Total**

**BILL OF QUANTITY  
FOR THE SCHEME  
PROVIDING AND LAYING BRANCH SEWER IN GOJRA CITY**

S#	Ref. CSR P/Item	Description	Unit	Quantity	Rate	Amount
1	C-4/46	(i) Dismantling and removing road pavement etc, including screening and stacking of by products upto chain (30m) lead.	100 Cft.	21,987.50		
2	C-4/29	Dismantling brick or flagged flooring without concrete foundation	100 Sft.	21,987.50		
3	C-3/42	Earth work excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct sections and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle gravel and rock.				
		(i) 0 ft to 7 ft. Depth	1000 Cft.	313,208.22		
		(ii) 7 ft to 15 ft. Depth	1000 Cft.	84,061.43		
4	C-21/23	Supplying, laying, granular material crushed stone) 1/2" to 1" gauge under pipe line and up to half diameter of pipe.	1000 Cft.	33,913.25		
5	C-21/3	Providing and Laying R.C.C. pipe sewer moulded with cement concrete 1:1.5:3 conforming to ASTM specification C-76-79, Class-II, Wall-B, including carriage of pipe from factory to site of wor, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing etc. complete.				
		15" dia	Rft	7,450.00		
		18" dia	Rft	3,150.00		
6	C-3/17	Transportation of earth all types when the total distance including the lead covered in the item of work, is more than 1000 ft. (300 m) lead upto 3 km	1000 Cft.	65,962.50		
7	C-3/13	(i) Rehandling of earth work.				
		(a) Lead upto a single throw of Kassi, pharaoh or shovel or shovel.	1000 Cft.	247,473.75		
8	C-3/24a,c	(ii) Compaction of earth work.				
		(a) Mixing, moistening earth to optimum moisture content in layers for compaction etc. complete.	1000 Cft.	247,473.75		
9	C-21/9	Extra for making and finishing benching floor work in manhole chamber with 1/8" thick cement finish.	100 Sft.	2,009.60		
9	C-6/5	Cement concrete plain including, placing, compacting, finishing, and curing complete (including screening and washing of stone aggregate.				
		(I) P.C.C. 1:3:6	100 Cft.	7,069.50		
		(II) P.C.C. 1:2:4	100 Cft.	4,340.80		
10	C-21/10	Restoration of brick pavement on edge, over laid service line, with 2" (50 mm) sand cushion under soling	100 Sft	21,987.50		
11	C-7/7	Pacca brick work other than building upto 10 ft height in 1:3 cement sand mortar.	100 Cft.	17,964.80		
12	C-7/10	Extra for pacca brick work in steining of wells or any other circular masonry.	100 Cft.	17,964.80		
13	C-11/8	Cement plaster 1/2" thick (1:3) cement sand mortar upto 20' height.	100 Sft.	21,384.00		
14	C-6/2	Dry rammed bricks or stone ballast 1.5" to 2" gauge.	100 Cft.	7,069.50		
15	N.S	RPC Manhole Cover Manufactured with 100% Recycled Plastic Composite Material, 650 mm (26"dia) with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (31.1") with average breaking load capacity of 10 Ton and weight including frame of 50 kg (Minimum).	- P.set	160.00		
16	C-21/13	Providing and fixing 1¼"x1¼"x3/16" (31x31x5 mm) angle iron step, in manhole chambers, including carriage and setting the same in work to correct lines and levels.	- Each	640.00		
17	C-21/8	8 Constructing standard gully grating chamber, 3'x2½' (900x750 mm), with chinaware trap as per PHED Drawing STD/PD No. 3 of 1977, complete in all respects.	1 Each	50.00		
18	C-1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. 93 km lead (Ch.No. 1. Item.No. 1)	100 Cft	10352.12		
19	N.S	Making connections of sewer line with manhole of existing sewer line complete in all respect.				
		15" to 18" dia	- Job	14.00		
		18" to 24" dia	- Job	6.00		

**Total:- (B)  
Say:-**

**Rs.  
Rs.**

**Restoration of Roads (Branch Sewer Route)**

Sr. No:	Description of items	Quantity	Rate	Unit	Amount
1	Supplying and filling sand under floor; or plugging in wells.. (10/3)	65962.50		P.% Cft	
2	Re-Laying of Sub Base Course by using old material (received through dismantling of road crust, compacted up to 100% modified AASHO dry density complete in all respect. (Labour Rate only)18/3a-II	8245.31		P.% Cft	
3	Providing and laying of road edging of 3" wide and 9" deep brick on end complete in all respect. 18/5	10600.00		P.Rft	
4	Providing & Laying (Water Bound macadam) Base Course of crushed stone aggregate form Kirana quarry of required thickness of approved quality and grade, and supply and spreading of stone screening , including placing, mixing, spreading and compaction of base course material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density, including carriage of all materials to site of work, complete in all respect. 18/4a	10993.75		P.% Cft	
5	Providing and Laying bitumenious priming coat, using 10 Lbs kerosin oil and 10 lbs binder per 100 Sft or 0.5 Kg Kerosene and 0.5 Kg binder per square metre.C-18/6	21987.50		P.% Sft	
6	Providing ana laying Plant Premixed bitumenious carpt i/c compaction and finishing to required grade camber and density with 4.5 % bitumen 2" thick. (AWC)	21987.50		P.% Sft	

**Total**

Package 01 Sewerage System Environmental & Social Management & Monitoring Plan			
Item	Quantity	Tentative Cost/Item-PKR. /-	Total Cost
<b>A-PPEs for Health and Safety of Labor/Workers</b>			
Face Masks (3 PLY) - box	8		
Safety Hard Helmets	8		
Safety Shoes	8		
Hand Gloves	8		
Ear Plugs	8		
Reflective Safety Vest	8		
Safety Goggles	8		
<b>B-Community Health and Safety</b>			
First Aid Box Complete	1		
Safety Signs	2		
Safety Cones	8		
Safety Tapes	8		
Portable Delineator with chain	3		
Emergency Portable Lights	2		
Solid Waste Collection Drums with Cover	1		
Fire Fighting Equipment Purchase and refilling	1		
Hiring of Environmental Manager (for 03 months)	3		
Labor Campsite Management	1		
Water Sprinkling	1		
Ambient Air Quality-Before, during, and after construction	3		
Noise Quality-Before, during, and after construction	3		
Water Quality-Before, during, and after construction	3		
<b>Total (PKR)-A+B</b>			

## Environmental & Social Screening Checklist

### Instructions:

Environmental and Social Focal Persons (ESFPs)<sup>1</sup> nominated by the MCs for PCP environmental and social management, will use this checklist in field for environmental and social screening and categorization of each and every sub-project proposed to be executed under the Program.

Deputy Program Officers-Environmental and Social Management deputed by PMDFC in regional offices will technically assist and support the ESFPs/MCs in filling in of this Checklist

It is to be attached with the main document<sup>2</sup> of sub-projects at planning stage and will be duly signed by the relevant ESFP and endorsed by the respective DPO-ESM

This checklist focuses on environmental issues and social concerns. To ensure that social dimensions are adequately considered, Involuntary Resettlement Screening Checklist will also be used

(iii) The purpose of this E&S Screening Checklists is to identify potential “Negative” impacts of environmental and social attributes or to enhance the existing environmental & social benefits. Use the “remarks” section to discuss any anticipated mitigation measures.

<b>Name of ESFP:</b>	<b>Muhammad Shah Rukh Tariq MOI (I&amp;S) Muhammad Asad (MOP)</b>		
<b>Name of MC:</b>	<b>Gojra</b>		
<b>Sub-Project Sector:</b>	<b>Sewerage</b>		
<b>Sub-Project Title:</b>	Upgradation of Sewerage System and Construction of Waste Water Treatment Plant (WWTP) in Gojra		
<b>Sub- Project Categorization:</b>	<b>E-1 ✓</b>	<b>S-1</b>	
	<b>E-2</b>	<b>S-2 ✓</b>	
	<b>E-3</b>	<b>S-3</b>	
<b>Date of Screening:</b>	07-06-2023		
<b>Anticipated Project Activities</b>	Laying of Trunk and Sub Main RCC Sewers of 7.2 km and Laying of Branch Sewer of 3.2 km in Gojra		
<b>Estimated Cost of Subprojects</b>	1460.25 million		
<b>Completion Time/Duration</b>	1 year		
<b>screening Questions</b>	<b>Yes</b>	<b>No</b>	<b>Remarks</b>
<b>A. Project Siting</b>			
<b>Is the Sub-Project area adjacent to or within any of the following?</b>			

<sup>1</sup> In all MCs, ESFPs are notified by Local government; MO (I&S) are focal persons for environmental sector and MO(P) are focal persons for social sectors.

<sup>2</sup> It is meant as PC-I and/or engineering estimates of sub-project

<b>Environmentally sensitive areas?</b>			
Legally protected Area		✓	No legally protected area lies within 200 meters jurisdiction of Sub-Project.
Any surface water body (river, canal, stream, lake, wetland) within 200 meters of the proposed sub project		✓	No water body observed within 200 meters in the Sub-Project area
Estuarine		✓	Not observed in sub project area
Special area for protecting biodiversity		✓	Not observed in sub project area
Buffer zone of protected area		✓	Not observed in sub project area
Mangroves Forest		✓	Not observed in sub project area
Man-made forest /game reserve, orchid /crops or any other area of environmental importance	✓		Mostly are urban area around these lines but at some places green fields are present on both sides
<b>Socially sensitive /important areas/communities/ people?</b>			
Physical Cultural Resources (PCRs) and or any site of cultural/religious importance (Graveyard, Shrine, Mosque, Church, Gordwarah, Temple, Fort, archeological/historical site) within 100 m of the proposed subproject	✓		10 Mosque, one shrine observed within 100 meters of the Sub-Project interventions but have no direct/indirect significant environmental & social impacts. There would be hindrance in the mobility of people during Sewerage construction phase. However, this will be a temporary impact and would be managed by proper controlling the traffic. No other significant adverse impacts on sensitive receptors are foreseen
Sensitive receptors (Schools, colleges, Shrine, Mosque, Church, hospitals and clinics) within 100 meters of the proposed sub project	✓		13 school, and 01 madrassa exist within 100 m of the subproject interventions There would be hindrance in the mobility of people during Sewerage construction phase. However, this will be a temporary impact and would be managed by proper controlling the traffic. No other significant adverse impacts on sensitive receptors are foreseen
Any graveyard of local community (Muslims or Christians)	✓		One Graveyard exist within 10 m of the subproject interventions along Gojra Road. but have no direct/indirect significant environmental & social impacts
Any demographic or socio-economic aspects of the subproject area that are already vulnerable (e.g., high incidence of marginalized		✓	No negative impact observed on vulnerable groups (e.g., high incidence of marginalized populations, rural-urban migrants, illegal

populations, rural-urban migrants, illegal settlements, squatters, ethnic minorities, people with disabilities, people in old age, socially isolated segments <sup>3</sup> of the society and women or children)?			settlements, squatters, ethnic minorities, people with disabilities) Sub-Project area
Already existing infrastructure (including public amenities) which may be required to dismantle or may be affected temporarily by any means?		✓	No infrastructure will be dismantling due to construction activities.
<p>B. Potential Environmental Impacts</p> <p>Will the Sub-Project cause...</p>			
1. Disturbance to habitats/biodiversity of environmentally sensitive or protected areas?		✓	The proposed project site doesn't have any environmentally sensitive or protected areas.
2. Cutting of trees?		✓	No Cutting of trees involved during construction phase
3. Disruption to habitats/biodiversity of surrounding ecosystem/environment?		✓	No significant adverse impacts on environment.

4. Generation of wastewater during construction or operation?		✓	Construction activities on minor level so waste water generation activities on lower level
5. Pollution of surface water/ground water due to wastewater discharge from construction site or due to direct/indirect disposal of wastewater?		✓	No such impact anticipated as no wastewater will be generated during construction activities.
6. Alteration of surface water hydrology of waterways resulting in increased sediment in streams/rivers or due to increased soil erosion at construction site?		✓	No such impact foreseen, as work activities are limited level and away from the surface water bodies so no other significant adverse impacts on sensitive receptors are foreseen during construction Phase.
7. Deterioration of surface water quality due to silt runoff and sanitary wastes from worker-based camps and chemicals used in construction.		✓	No construction labor camps envisaged and a rental house is used as a labor camp. Due to limited scope of work under Sub-Project and un-skilled local labor will be engaged for the construction activities. Chemical storage activities monitor regularly.
8. Over pumping of ground water, leading to salinization and ground subsidence?		✓	No over pumping/pumping involved in scope of construction activities.

<sup>3</sup> Due to caste, creed, religion or gender e.g. transgender

9. Serious contamination of soil due to construction works?		✓	Construction materials should be storage properly, no leakage or leaching Process involve so contamination of soil not observed
10. Aggravation of solid waste problems in the area?		✓	No aggravation of solid waste problems in the area is anticipated. The waste construction material will be collected and disposed at designated place on daily basis
11. Generation of hazardous waste?		✓	Bitumen containing solid waste will be generated during dismantling of existing road at some point during laying of sewerage line that will be disposed properly at designated place.
12. Increased air pollution due to sub-project construction and operation?		✓	The subproject interventions are on small scale that will not significantly increase air pollution
13. Noise and vibration due to sub-project construction or operation?	✓		Noise and vibration will be generated during excavation and pipe laying activities but the level is expected to be low. However, the noise will be monitored on regularly during construction by the contractor
14. Creation of temporary breeding habitats for diseases such as those transmitted by mosquitoes and rodents due to solid/liquid?		✓	No Temporary breeding habitats creates during Construction activities for diseases such as those transmitted by mosquitoes and rodents due to solid/liquid
15. Use of chemicals during construction?		✓	No chemicals will be used during construction activities
<b>C: Potential Social Impacts</b>			
Will the Sub-Project cause...			
1. Impairment of historical/cultural areas; disfiguration of landscape or potential loss/damage to Physical Cultural Resources (PCRs)?		✓	No impairment/damage to any PCR envisioned as per scope of construction activities
2. Displacement or involuntary resettlement of people?  (physical displacement and/or economic displacement) (If "Yes", please also fill Involuntary Resettlement Screening Checklist)		✓	Not observed in sub project area



3. Disproportionate impacts on the poor, women and children and or other vulnerable groups 4(mentioned above)?		✓	There will be no Impact on the poor women, children and or other vulnerable groups
4. Temporary impediments in movements of people/transport and animals?	✓		There would be hindrance in the mobility of people during construction phase. However, this will be a temporary impact and would be managed by proper controlling the traffic. The Contractor in this context will ensure housekeeping.
5. Large population influx during sub-project construction and operation that causes increased burden on social infrastructure and services (such as water supply and sanitation systems)?		✓	Due to Limited Scope of work activities, Local unskilled labor will be preferred by the Contractor
6. Social conflicts if workers from other areas are hired.		✓	Contractor will Hire local worker for unskilled construction activities
7. Risks and vulnerabilities related to occupational health and safety due to physical, chemical, biological, and radiological hazards during project construction and operation?	✓		Contractor will follow EHS SOPs to avoid physical hazards which are part of PC-I.
8. Risks to community health and safety due to the transport, storage, and use and/or disposal of materials such as explosives, fuel, and other chemicals during construction and operation?	✓		There would be some safety issues during martial transportation, during construction phase. The SOPs for health and safety have been included in the PC-I that have to be followed by the contractors
9. Community safety risks due to both accidental and natural causes, especially where the structural elements or components of the project are accessible to members of the affected community or where their failure could result in injury to the community throughout project construction, operation, and decommissioning.	✓		There would be safety issues in Construction phase, During storage of fuel and other chemicals and transport. The SOPs for health and safety have been included in the PC-I that have to be followed by the contractors
10. Any impact on sensitive receptors (mentioned above)		✓	Not observed in sub project area
11. Any impact of negative nature on already existing infrastructure including public amenities		✓	Not observed in sub project area

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<sup>4</sup> Women, Children, Women headed households, People in old age, people having disabilities, socially isolated community groups and or people living below the poverty line

<b>Prepared By:</b> <b>Name:</b> Muhammad Imran <b>Designation:</b> Environmentalist <b>Organization:</b> MM Pakistan <b>Signature:</b> <b>Date:</b> 07-06-2023	<b>Endorsed By:</b> <b>Name:</b> Muhammad Shah Rukh-MOI <b>Designation:</b> Municipal Officer Infrastructure (MOI) <b>Organization:</b> MC Gojra <b>Signature</b> <b>Date:</b> 07-06-2023	<b>Reviewed By:</b> <b>Name:</b> Hassan Ali <b>Designation:</b> Deputy Program Officer ESM <b>Organization:</b> PMDFC <b>Signature:</b> <b>Date:</b> 07-06-2023
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## INVOLUNTARY RESETTLEMENT SCREENING CHECKLIST

**Name of City/MC/LG: Gojra**

**Sub-Project Sector: Sewerage**

Sub-Project Title: Laying of Trunk and Sub Main RCC Sewers of 7.2 km and Laying of Branch Sewer  
of 3.2 km in Gojra

**Sub- Project Categorization: E-1 & S-2**

**Date of Screening: 07-06-2023**

SECTION 1	Yes	No	Expected	Remarks
Does the project require land acquisition? Yes/No		✓		Already Road exists and pipe line laying along the road. land owned by Govt so no land acquired for this sub project
If yes, then describe the type of land being acquired from the categories below:		✓		No Land acquired for this sub project
Has any AED been conducted at the proposed location by the government? Yes/No		✓		Not observed in sub project area and confirm by MC Staff also
Land (Quantify and describe types of land being acquired in “remarks column”).		✓		No Land acquired for this sub project
Government and LG owned land free of occupation (agriculture or settlement)		✓		Already land owned by govt so no land acquired for this sub project
Government or state-owned land (other than LG) free of occupation (agriculture or settlement)		✓		No Land acquired for this sub project. No government or state-owned land will be affected due to the implementation of the project
Private land		✓		Construction activities will be limited on streets, no additional private land will be required/affect
Residential		✓		No residential structure or land will be affected due to the rehabilitation of sewerage lines
Commercial		✓		No Land acquired for this sub project
Agricultural		✓		No Land acquired for this sub project
Communal		✓		No Land acquired for this sub project
Others (specify in “remarks”).		✓		Already land owned by govt so no land acquired for this sub project
Name of owner/owners and type of ownership document if available.		✓		Already land owned by govt so no land acquired for this sub project

If land is being acquired, describe any structures constructed on it		✓		No Land acquired for this sub project
Land-based assets:		✓		No Land acquired for this sub project
Residential structures		✓		No Land acquired for this sub project
Commercial structures (specify in “remarks”)		✓		No Land acquired for this sub project
Community structures (specify in “remarks”)		✓		No Land acquired for this sub project
Agriculture structures (specify in “remarks”)		✓		
Public utilities (specify in “remarks”)	✓			Already land owned by govt so no land acquired for this sub project. Ramps are away from ROW.
Others (specify in “remarks”)		✓		No Land acquired for this sub project
If agricultural land is being acquired, specify the following:		✓		No Land acquired for this sub project
Agriculture related impacts		✓		No Land acquired for this sub project
Crops and vegetables (specify types and cropping area in “remarks”).		✓		No Land acquired for this sub project
Trees (specify number and types in “remarks”).		✓		No Land acquired for this sub project
Others (specify in “remarks”).		✓		No Land acquired for this sub project
Affected Persons (APs)		✓		No Persons Affected during this Project
Will any people be displaced from the land when acquired? Yes/No		✓		No Land acquired for this sub project
Number of APs		✓		No Persons Affected during this Project
Males		✓		No Persons Affected during this Project
Females		✓		No Persons Affected during this Project
Titled landowners		✓		No Land acquired for this sub project

Tenants and sharecroppers		✓		No Land acquired for this sub project
Leaseholders		✓		No Land acquired for this sub project
Agriculture wage laborers		✓		Not involved in this project
Encroachers and squatters (specify in remarks column)		✓		No Land acquired for this sub project
Vulnerable APs (e.g. women headed households, minors and aged, orphans, disabled persons, and those below the poverty line). Specify the number and vulnerability in “remarks”.		✓		No Land acquired for this sub project no one effected during this intervention
Others (specify in “remarks”)		✓		Not involved in this project





Public Consultation and pictorial view of Faisal Bihaari Colony, Gojra







Public Consultation and pictorial view of Javed Colony, Gojra

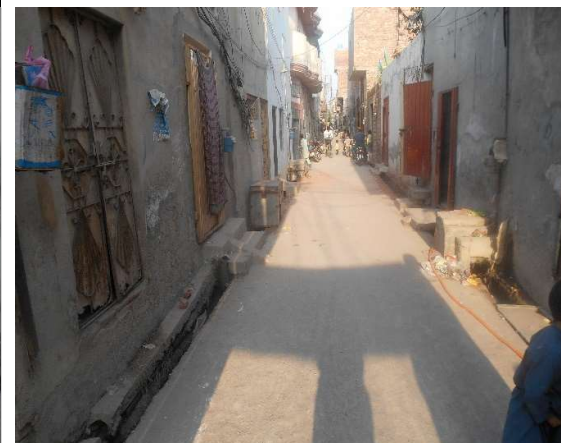
#### Pictures of Field Visit





Public Consultation and pictoral view of chack 298, Gojra

#### Pictures of Field Visit



Pictoral view of Farooq Park, Gojra





<b>Prepared By:</b> <b>Name:</b> Ihsan ul Haq Farooqi <b>Designation:</b> Senior Sociologist <b>Organization:</b> MM Pakistan <b>Signature:</b> <b>Date:</b> 07-06-2023	<b>Endorsed By:</b> <b>Name:</b> Muhammad Asad <b>Designation:</b> Municipal Officer Planning (MOP) <b>Organization:</b> MC Gojra <b>Signature</b> <b>Date:</b> 07-06-2023	<b>Reviewed By:</b> <b>Name:</b> Hassan Ali <b>Designation:</b> Deputy Program Officer ESM <b>Organization:</b> PMDFC <b>Signature:</b> <b>Date:</b> 07-06-2023
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<b>Package 01 Sewerage (Estimated Cost for ESSMP)</b> Laying of Trunk and Sub Main RCC Sewers of 7.2 km and Laying of Branch Sewer of 3.2 km in Gojra			
Item	Quantity	Tentative Cost/Item-PKR. /-	Total Cost
<b>A-PPEs for Health and Safety of Labor/Workers</b>			
Face Masks (3 PLY) - box	8		
Safety Hard Helmets	8		
Safety Shoes	8		
Hand Gloves	8		
Ear Plugs	8		
Reflective Safety Vest	8		
Safety Goggles	8		
<b>B-Community Health and Safety</b>			
First Aid Box Complete	1		
Safety Signs	2		
Safety Cones	8		
Safety Tapes	8		
Portable Delineator with chain	3		
Emergency Portable Lights	2		
Solid Waste Collection Drums with Cover	1		
Fire Fighting Equipment Purchase and refilling	1		
Hiring of Environmental Manager (for 03 months)	3		
Labor Campsite Management	1		
Water Sprinkling	1		
Ambient Air Quality-Before, during, and after construction	3		
Noise Quality-Before, during, and after construction	3		
Water Quality-Before, during, and after construction	3		
<b>Total (PKR)-A+B</b>			

**Environmental & Social Management & Monitoring Plan Package 01: Sewerage System-** Laying of Trunk and Sub Main RCC Sewers of 7.2 km and  
Laying of Branch Sewer of 3.2 km in Gojra

A-Design Stage	Design Responsibility	Implementation Responsibility
<b>1. Design Aspects</b>		
<p>The following Design Considerations have been integrated with the design of rehabilitation of existing sewerage system enabling to it environmentally and socially sustainable.</p> <p>1. Wastewater Treatment</p> <p>Safe and sustainable wastewater collection, transport, and treatment systems to ensure human and environmental well-being by providing missing links of sewerage supply lines, identification of the lines where desilting will be sufficient rather to replace the system and provision of manholes covers and replacement of pumping machinery from dry wells</p> <p>The sewerage system that conveys the wastewater discharge of the current population will be connected to infrastructure that performs storage and treatment functions, comprising a disposal station, a WWTP-WSP, and floating wetland up to the minimum acceptable levels to be discharged to a surface water body as per PEQs and or re-used as per WHO and USEPA Guidelines.</p> <p>The importance of design criteria is that it allows the identification of problems associated with poor management and improves it through a comprehensive management model that provides solutions based on technical and sustainable criteria, being the innovative part that opens the opportunity for studies to be carried out by professionals; allowing to strengthen learning.</p> <p>2. Better Municipal services and sustainable water application after treatment.</p> <p>Major purpose is to improve quality of wastewater by eliminating pollutants, toxicants and many such to make. wastewater usable for other purposes and preservation of water quality of natural water resources.</p>	Design Consultants	MC Gojra
<b>2.Permits, NOCs, Clearances</b>		

Necessary consents, permits, and clearances shall be obtained before the start of civil works Permissions and clearances are required mainly from the government agencies including i.e. Punjab Environmental Protection Agency (EPA) or from other Government entity in case of temporary obstruction in public utilities e,g. WAPDA in case of shifting of transmission lines.		PMDFC and MC	MC Gojra
3.Land Acquisition and Resettlement Issues			
This component of subproject will be executed at MC owned ROW and existing systems		MC Gojra	MC Gojra
The contractor’s temporary facilities will preferably be established on government owned land. Otherwise, such lands/budlings will be obtained on a rental or lease basis.			
It will be ensured that no project works are carried out where AED activities have been or are being carried out			
4.Preparation of Stakeholder Engagement Plan			
Stakeholder engagement plan with a realistic timeframe covering preliminary, construction and operation phases has been prepared and approved (prior to project appraisal) and implemented effectively ensuring engagement of stakeholders throughout the project cycle.		Design Consultant/	MC Gojra
5. Preparation of Labour Management Procedures			
EHS SOPS for Labour workers/Including women workers have been prepared and approved (prior to project appraisal) and will be implemented effectively throughout the project period by making them part of contractors’ term of reference and bid documents.		ESFPS	
Pre-Construction Phase	Location/Project Phase	Institutional Responsibility	
		Implementation	Supervision
Contractors Terms of Reference	The MC Gojra shall ensure to make EIA/ESIA Report approved from Punjab EPA and ESMMP of EIA/ESIA shall be made part of contractor terms of reference and part of the bid documents.	ESM Team PMDFC	E&S Supervision Consultants

<p>This ESMMP will be used by the contractor to be guided on the structure and control of potential environmental and social issues that are required to be managed to avoid or mitigated adverse consequences.</p> <p>This ESMMP will address all of the issues addressed here, but not limited to, and will consists of different sub-plans that will cover health and safety, traffic management, worker camp management, material sourcing, waste disposal.</p> <p>Contract Award to completion phase    MC Gojra    Regional Office PMDFC</p>							
<p>Grievance Redress Mechanism</p> <p>Grievance Redress Mechanism has been developed under PCP</p> <p>MC Gojra with the technical assistance of PMDFC team shall share project details to public, relevant stakeholders and to receive complaints</p> <p>Display contact details of ESFPs and E&amp;S Supervision consultants for public to lodge their complaints/concerns to the contractor at the entrance and main points of the site</p> <p>Provide sign boards for pedestrians to inform nature and duration of construction works</p> <p>Provide alternative access road for residents via Peradeniya</p> <p>Develop and establish contractor’s own procedure for receiving, documenting and addressing complaints from the affected public and nearby communities that is fully in line with and guided by the project’s GRM</p> <p>Ensure to keep a copy of the ESMMP at all times at the project supervision office on site.</p>				Throughout the cycle of project	MC Gojra Contractor	Regional Office PMDFC  ESM Team PMDFC  E&S Supervision Consultants	
C- Construction phase							
Proposed sub project activity	Anticipated Environment and Social Issues	Magnitude of Impacts	Proposed Mitigation Measures	Mitigation Implementation Responsibility	Monitoring Indicators	Monitoring Frequency	Monitoring Responsibility

Establishment of Labor Camp	<p>Availability of Land</p> <p>Security</p> <p>Environment, Health and Safety of Labor at Campsite</p> <p>Community Concerns regarding privacy of women and GBV5</p> <p>Sustainable Use of Environmental Resources</p>	Medium	<p>At current, land/road proposed for construction and improvement of existing Sewerage system is open and vacant from any legal/illegal occupants. There are no trees of important flora and fauna observed at the site.</p> <p>Currently MC owned land at proposed sewerage site is available for construction of labor camp at the current site.</p> <p>Contractor will prepare Occupational Health and Safety Plan and get approval from MC before the execution of work</p> <p>Contractor will be instructed (will be included in his term of reference and in the form of EHS SOPs) strictly implement the PMDFC SOPs for EHS of labor/ construction workers</p> <p>Contractor will be instructed to prefer the local labor to be engaged. Anyhow, for labor site management, following mitigation measures will be provided:</p> <p>Contractor will ensure provision of appropriate housing, water supply, and sanitation facilities to construction labor if they will be hired from outstation.</p> <p>Good housekeeping will be ensured inside campsite</p>	MC Gojra Contractor	<p>Site Visits</p> <p>Visual Inspection and pictorial evidence</p> <p>Monitoring Reports</p> <p>Implementation of GRM</p>	<p>Daily site visit during construction phase</p> <p>Fortnightly/ Weekly</p>	<p>DPO-ESM of PMDFC Regional Office</p> <p>E&amp;S Consultants of Supervision Consultants team</p>
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			<p>Labor will be provided with hygienically good quality food.</p> <p>During winter hot water will be provided for bathing and likewise as per the weather condition.</p> <p>Labor Training and Code of Conduct-</p> <p>The contractor shall develop a labor code of conduct indicating specific labor management procedures applicable to different categories of workers including short time and full-time workers. The labor code of conduct shall be consistent with and part of the overall EHS SOPs for Labor developed by the PMDFC.</p> <p>The labour Code of Conduct shall be translated into Urdu language upon clearance from the MOI of MC Gojra and DPO-ESM of regional office of PMDFC. The code of conduct must be made available to all staff and displayed in the work site in local languages</p> <p>Labor awareness programs to educate the laborers about the code of conduct, general conduct, the Environmental and Social Management and Monitoring Plan, Public and Occupational Health and Safety Plan and sustainable use of local environmental resources etc. should be conducted throughout the contract period as per the Labor management plan and ESH plan approved by the MOI and DPO-ESM.</p>				
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			<p>The contractor shall give priority to selecting labor from project influenced areas so as to minimize the need for erecting labor camps and minimizing labor influx.</p> <p>Frequent supervision of laborers' activities, labor welfare needs, and action to ensure hygienic conditions in the work sites/ camps</p> <p>Avoid social conflicts among contractor's labor force and the surrounding community or tension and prevalence of gender- based violence through the implementation of LMP.</p> <p>Conduct awareness program on Gender Based Violence (GBV), good hygienic practices and dangers of sexually transmitted diseases such as HIV/AIDS and sensitize them to avoid interference and consider the privacy of local community women and vulnerable groups.</p> <p>Introduce a code of conduct for labor teams to prevent alcohol and drug abuse, violence, sexual abuse etc.</p> <p>Continue consultation and interaction with host community</p> <p>Prepare an inventory (including names/ National ID numbers/addresses etc.) of entire labor force employed by contractor, and share with the Resident Supervision Consultants. This inventory shall be updated at each recruitment or resignation of labors.</p>				
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Site Preparation	<p>Accessibility of local communities and Work Site Management</p> <p>Health and Safety of local communities</p> <p>Traffic Management</p>	Medium to High	<p>All public access to the site via adequate fencing and signage which prohibit public access completely, in order to avoid risk to the public</p> <p>The site entrance will include adequate signage indicating the details of the proposed subproject, implementing agencies etc. as well as safety signage to keep public away.</p> <p>A fence shall be erected to cover the entire perimeter of the facility using cost effective fence materials consisting of chain link fence fabric, concrete post, etc. as specified in the Technical Specifications in order to ensure, animals and public are unable to access the site.</p> <p>To avoid land disturbance and movement, the fence shall generally follow the contour of the ground.</p> <p>Grading shall be performed where necessary to provide a neat appearance</p> <p>The contractor should provide a site-specific proposed site layout plan that identifies various zones within the construction site for designated use such as material and equipment storage areas, construction vehicle parking areas, vehicle/equipment maintenance areas, labor camps (if any onsite), temporary spoil storage areas etc. which shall be approved by the MC</p>	MC Gojra Contractor	<p>Site Visits</p> <p>Visual Inspection and pictorial evidence</p> <p>Monitoring Reports</p> <p>Implementation of GRM</p>	<p>Daily site visit during construction phase</p> <p>Fortnightly/ Weekly</p>	<p>DPO-ESM of PMDFC Regional Office</p> <p>E&amp;S Consultants of Supervision Consultants team</p>

			<p>Parking, repairing vehicles, machinery and equipment shall be stationed only within the work site and/or in any other designated areas by the MC</p> <p>The contractor should provide instruction and advice to drivers and operators to park vehicles and store equipment at the designated area</p> <p>Traffic Safety and Management Plan-</p> <p>The contractor will prepare a Traffic management plan in consultation with the city traffic committee approved by the MC and duly disclosed to the public in a timely manner</p> <p>Carryout a road safety assessment in order to establish traffic control and safety measures such as road humps, fixing of signage etc. prior to commencement of construction</p> <p>Based on the initial road safety analysis a monitoring and management plan shall be prepared and submitted to the MC by contractor and Road Management Plan to be placed at the prominent places</p> <p>In order to ease traffic within the city, transport of construction material and machinery will be done prior to 6.00 am and after 8.00 pm</p> <p>During school traffic hour's transportation of construction materials and heavy machinery shall not be done.</p>				
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			<p>Provide information and boards at each strategic location indicating basic info – times of closure, diversion routes etc.</p> <p>Special consideration shall be given in the preparation of the traffic management plan ensuring the safety of pedestrians and workers at night.</p> <p>Personnel used for traffic control by the contractor shall be properly trained, provided with proper gear including communication equipment, luminous jackets for night use. All signs, barricades, pavement markings used for traffic management should be to the standards and approved by the City Traffic Police</p> <p>Road Safety Monitoring Plan shall be implemented throughout the construction period.</p> <p>Monitoring incidents and accidents and monthly reporting shall be ensured.</p> <p>Appropriate safety improvement measures shall be implemented avoiding incidents due to movement of construction vehicles based on the periodic review of reports.</p> <p>Environment, Health and Safety of Labor and Communities and Implementation of ESMMP</p> <p>The contractor will employ a qualified Health and Safety Specialist in his team for a period of 06 months. He/she will submit to the engineer a comprehensive Health and Safety Plan for the site which will be based</p>				
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			<p>on an assessment of OSH/EHS ad public safety risks in relation to various types of construction activity and which covers the entire construction period.</p> <p>The H&amp;S specialist will oversee its implementation regularly assessing the risk of various hazards and adopting mitigation measures.</p> <p>He shall ensure the all-reasonable precautions will be taken to prevent danger of the workers and the public from accidents such as fire, explosions, blasts, falling to excavated pits, chemical sprays, unsafe power supply lines etc.</p> <p>The Contractor shall comply with requirements for the safety of the workmen as per the international labor organization (ILO) convention No. 62 and EHS SOPs of PMDFC to the extent that those are applicable to this contract.</p> <p>The contractor shall supply all necessary safety appliances such as safety goggles, helmets, masks, boots, etc., to the workers and staff.</p> <p>Community Safety Management Plan-</p> <p>All debris, waste generation from construction activity, labor camps etc. will be disposed only at locations approved by the MC for such purpose</p> <p>The debris and spoil shall be disposed in such a manner that;</p> <p>(i) waterways and drainage paths are not blocked</p>				
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			<p>(ii) the disposed material should not be washed away by runoff and</p> <p>(iii) should not be a nuisance to the public.</p> <p>(iv) The contractor shall do what is necessary in the minimum to ensure the disposal sites are made safe after disposal of the waste (level the waste, ensure drainage and safety)</p> <p>(v)The contractor shall as much as possible dispose waste on daily basis (or as necessary given the waste quantities generated and onsite stockpiling space) without allowing to stockpile onsite, at identified locations for debris disposal, recommended by the MC.</p> <p>(vi) During transportation, dispose materials should be covered with tarpaulin</p>				
Excavation and Construction Activities	Dust/Air and noise	High	<p>All sedimentation and pollution control works and maintenance thereof are deemed, as incidental to the earthwork. Works to minimize cleared areas and exposed soils at a given time.</p> <p>Barricades such as humps shall be erected around excavated areas for culverts, silt traps, foundations, sewerage pipes as some work in</p> <p>The contractor shall effectively manage the dust generating activities such as handling and transporting sand, rubble, bitumen, and cement during periods of high winds or during more stable conditions with</p>	MC Gojra Contractor	<p>Site Visits</p> <p>Visual Inspection and pictorial evidence</p> <p>Monitoring Reports</p> <p>Implementation of GRM</p>	<p>Daily site visit during construction phase</p> <p>Fortnightly/ Weekly</p>	DPO-ESM of PMDFC Regional Office E&S Consultant of Supervision Consultants team

			<p>winds directed towards adjacent residences and other facilities.</p> <p>The Contractor shall erect a dust/noise barrier has around the site.</p> <p>All vehicles delivering materials shall be covered to avoid spillage and dust emission.</p> <p>The Contractor should avoid, where possible and take suitable action to prevent dirt and mud being carried to the roadway (particularly following wet weather).</p> <p>The contractor should enforce vehicle speed limits to minimize dust generation.</p> <p>The Contractor shall employ a water truck to sprinkle water for dust suppression on all exposed areas as required (note: the use of waste water / waste oil for dust suppression is prohibited)</p> <p>All existing roads used by vehicles of the contractor, or any of his sub-contractor or supplies of materials or plant and similar roads which are part of the works shall be kept clean and clear of all dust/mud or other extraneous materials dropped by such vehicles or their tyres.</p> <p>Clearance shall be affected immediately by manual sweeping and removal of debris and ensure sprinkled water using appropriate equipment</p> <p>Dust emissions should be controlled by wet spraying of construction sites and roads which are used for</p>				
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			<p>transportation of Construction materials at regular intervals.</p> <p>Tarpaulin covering is mandatory on trucks /lorries which are used for transporting materials.</p> <p>All stockpiles including temporary storage of debris and construction materials should be covered using tarpaulin covering.</p> <p>Noise and Dust barriers with minimum height of 4m should be erected around entire working sites to control dust emission to the ambient air. Selection of the suitable material.</p> <p>Contractor shall take appropriate action to ensure that construction works do not result in damage to the adjacent properties due to vibration.</p> <p>Contractor shall pay due consideration on vibration impacts of construction on adjoining structures. In the event vibration levels are found to be exceeding national standards, he shall modify the method of construction until compliance with stipulated national vibration standards is met.</p> <p>Vehicles should be maintained in good condition regularly so that noise and emission generating from wear and tear will be minimal</p> <p>Maintenance of vehicles, equipment and machinery shall be regular and proper, to the satisfaction of the</p>				
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			DPO-ESM to keep noise and air emissions from these at a minimum				
	Soil and Vegetation Cover Loss		<p>Construction vehicle, machinery and equipment shall be used and stationed only in the areas of work and in any other area designated/ approved by the MC Gojra .</p> <p>Ad-hoc and scattered parking and placement of machinery should be avoided to minimize harm to roadside ground cover.</p> <p>The contractor shall include in the construction site layout plan indicating various areas identified for designated use including parking areas.</p> <p>Contractor should provide necessary instructions to drivers/operators and other construction workers not to destroy ground vegetation cover unnecessarily.</p> <p>Designated vehicle parks and maintenance yards must be informed to labor force.</p> <p>Top soil of productive areas where it has to be removed for the purpose of this project shall be stripped to a specified depth of 150mm and stored in stockpiles of height not exceeding 2m, if directed by the MC. If the contractor is in any doubt on whether to conserve the topsoil or not for any given area he/she shall obtain the direction from the MC in writing</p> <p>Removed top soil could be used as a productive soil when replanting/establishing vegetation under</p>				



			<p>landscaping plans Stockpiled topsoil must be returned to cover the areas including cut slopes where the topsoil has been removed due to project activities.</p> <p>Vehicle/machinery and equipment servicing and maintenance work shall be carried out only in designated locations/ service stations approved by the MC.</p> <p>Waste oil, lubricants and other petroleum products and untreated wastewater shall not be discharged on ground so that to avoid soil pollution. Clean up measures shall be taken against pollution of soil by spillage of petroleum/oil products from storage tanks and containers</p> <p>Sites used for vehicle and plant service and maintenance shall be restored back to its initial status. Site restoration will be considered as incidental to work</p>				
	Water and Soil Contamination		<p>The contractor shall clean up any area including water-bodies affected/contaminated (if any) as directed by the MC at his own cost.</p> <p>The contractor shall indicate on a site layout plan the drainage network and strategic locations in which soil erosion control devices will be installed. The contractor shall, to the extent possible, schedule/stage these sections will have to be stopped during heavy rains due to heavy erosion.</p>				

			<p>Work that lead to heavy erosion shall be avoided during the raining season. If such activities need to be continued during rainy season prior approval must be obtained from the MC by submitting a proposal on actions that will be undertaken by the contractor to prevent erosion.</p>				
	Damage to archeological sites		<p>Chance Find Procedure will be adopted in case any such discovery of archeological property, the contractor shall take reasonable precaution to prevent his workmen or any other persons from removing/damaging any such article and shall immediately inform the MC and immediately stop construction activities.</p>				
	Management of Hazardous Waste		<p>Contractor prior to the commencement of work shall provide list of harmful, hazardous and risky chemicals/ material that will be used in the project work to the MC.</p> <p>Contractor shall also provide the list of places where such chemicals/materials or their containers or other harmful Asbestos Containing Materials (ACM) shall not be used for any temporary and permanent work on the SEWERAGE site.</p>				
	Disturbance to Flora and Fauna and vegetation cover		<p>All construction works shall be carried out in a manner that the destruction to flora and their habitats is minimized.</p>				

			<p>At current, no trees are found at the proposed site of sewerage but if all such cases of tree removal contractor shall take prior approval from the MC and DPO-ESM prior to removal with a justification as to why the removal is unavoidable and plantation will be carried out with 1:10 removal ratio</p>				
	Wastage of Water		<p>Arrange adequate supply of water for the project purpose throughout the construction period in consultation with the MC Gojra .</p> <p>The contractor should discuss the daily requirement for potable and non-potable water and confirm with the MC Gojra that the demand can be met through their supply connection.</p> <p>Do not extract water from surface water bodies or water sources without the permission from MC &amp; relevant authority. Obtain permission for extracting ground water, if needed, prior to the commencing of the project, from the relevant authority</p> <p>The contractor will minimize wastage of water in the construction process/operations by reusing water as much as possible, utilizing only the required amount of water for the construction works etc.</p> <p>The contractor shall maintain a record of usage of water for various purposes and sources tapped.</p> <p>The contractor will adopt measures that are technically and</p>				

			financially feasible that avoid or minimize water usage throughout the construction period.				
	Traffic Jams and Congestion and road accidents		<p>The construction materials intended for temporarily storage should be properly stockpiled in most appropriate areas in the Site to avoid disturbance to site mobility, traffic and stored away from drainage paths</p> <p>Efficient use of all construction material in order to reduce waste generation.</p> <p>All use of chemicals and hazardous materials will be subject to national and international regulations and requirements. Their use will be minimized and their release will be controlled</p>				
Construction Material Storage, Handling and Use	Spillage Odor	Low	<p>Contractor shall take all precautions such as storing all chemicals used for construction works in properly closed containers with good ventilations to prevent odor and offensive smell emanating from chemicals and processes applied in construction works or from labor camps.</p> <p>In a situation when/where odor or offensive smell does occur, contractor shall take immediate action to rectify the situation</p> <p>Contractor is responsible for any compensation involved with any health issue arisen out of bad odor and offensive smells</p>	MC Gojra Contractor	<p>Site Visits</p> <p>Visual Inspection and pictorial evidence</p> <p>Monitoring Reports</p> <p>Implementation of GRM</p>	<p>Daily site visit during construction phase</p> <p>Fortnightly/ Weekly</p>	<p>DPO-ESM of PMDFC Regional Office</p> <p>E&amp;S Consultants of Supervision Consultants team</p>
Construction	Emissions from Construction	Low	The emission standards promulgated under the Punjab Environmental Quality Standards (PEQs) shall	MC Gojra	Site Visits	Daily site visit during	DPO-ESM

Machinery/ Equipment Use	<p>Vehicles, Equipment and Machinery</p> <p>Noise from Vehicles, Plants and Equipment</p> <p>Health and Safety of Labor /Workers</p>		<p>be strictly adhered to all vehicles, equipment and machinery used for construction shall be regularly serviced and well maintained to ensure that emission levels comply with the relevant standards.</p> <p>The contractor shall maintain the average noise levels within the construction site during the day time to 65 dB and night time to 55 dB Punjab Environmental Quality Standards (PEQs).</p> <p>Noise barriers (cum dust) with minimum height of 4m shall be installed around the site as shown in the following figures and the construction noise levels outside the noise barriers should be maintained below 75dB during day time.</p> <p>Within the site, the contractor shall measure noise levels on a monthly basis, or as per requirement, and report to the DPO-ESM through the contractor's monthly progress reports. Where, exceedances are noted, that can adversely affect construction workers, the contractor shall propose methods to control noise levels.</p> <p>All machinery and equipment should be well maintained and fitted with noise reduction devices in accordance with manufacturer's instructions.</p> <p>All vehicles and equipment used in construction shall be fitted with exhaust silences.</p> <p>During routine servicing operations, the effectiveness of exhaust silencers shall be checked and if found to</p>	Contractor	<p>Visual Inspection and pictorial evidence</p> <p>Monitoring Reports Implementation of GRM</p>	<p>construction phase</p> <p>Fortnightly/ Weekly</p>	<p>of PMDFC Regional Office E&amp;S Consultants of Supervision Consultants team</p>
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			<p>be defective shall be replaced. Notwithstanding any other conditions of contract, noise level from any item of plant(s) must comply with the relevant legislation for levels of sound emission. Non-compliant plant shall be removed from site</p> <p>Maintenance of vehicles, equipment and machinery shall be regular and proper, to the satisfaction of the Engineer, to keep noise from these at a minimum.</p> <p>Workers in vicinity of strong noise, and workers working with or in crushing, compaction, batching or concrete mixing operations shall be provided with PPEs</p>				
Construction activities	<p>Impacts on sensitive receptors (10 Mosque, 13 school, and 01 madrassa, One Graveyard and shrines)</p> <p>High noise</p> <p>Air pollution</p> <p>Traffic congestion</p> <p>Access &amp; Mobility</p>	high	<p>Implementing noise barriers and using quieter equipment to reduce noise pollution.</p> <p>Controlling dust and air pollution through water spraying and dust suppression measures.</p> <p>Scheduling construction activities during less sensitive times, such as avoiding school hours or reducing noisy activities during the evenings.</p> <p>Creating safe pedestrian pathways and ensuring smooth traffic flow.</p> <p>Engaging with the local community to inform them about the construction plans and potential disruptions.</p>				

	Safety Concerns		<p>Labor/workers will be sensitized to avoid any interference with the local communities who may be visiting the graveyard</p> <p>Vehicle/machinery movement shall be strictly avoided from the passage of graveyard and alternate movement route (which is available) shall be used.</p> <p>Sewerage lines will be ensured to be laid 100m away from the graveyard and MC will ensure it by the contractor and same is ensured in the design of the subproject.</p> <p>Contractor will be instructed to avoid construction activities during religious practices days at shrine.</p> <p>An effective GRM shall be in-placed to immediately resolve any complaint from the local communities.</p>				
D- OPERATION PHASE							
Proposed sub project activity	Anticipated Environment and Social Issues	Magnitude of Impacts	Proposed Mitigation Measures	Mitigation Implementation Responsibility	Monitoring Indicators	Monitoring Frequency	Monitoring Responsibility
Seepage / salinity	Weaken the structure strength and in watering and salinity condition.		<p>Runoff from the Site shall be controlled to ensure that adjacent areas are not affected and disturbance to the public is to minimum.</p> <p>Anti-percolation material layer will be installed under the sewerage lines that no seepage into the soil occur.</p>	MC Gojra	<p>Site Visits</p> <p>Monitoring Reports</p>	Site visit	MC Gojra

	Unhygienic condition, public health risks		<p>Sewerage disposal connections to the periphery wastewater system shall be maintained properly with routine maintenance of plumbing/pumps diligently carried out.</p> <p>Trees shall be managed properly that includes watering, fertilizing, weeding, pest controlling, pruning and training of trees timely.</p> <p>MCJ shall take necessary actions to prevent the breeding of mosquitoes where stagnation of water in any areas along the sewerage system.</p>		Implementation of GRM		
Emergency Leakage and burst of Sewerage Lines	<p>Nuisance for the local inhabitants</p> <p>Odor and vector breeding hazards</p> <p>Mixing of sewerage water with drinking water</p>		<p>MC shall ensure to adopt the emergency plans to deal such leakages</p> <p>Current subproject is designed to be sustainable till at-least 20 years</p> <p>MCs shall adopt Integrated Development Asset Management Plans (IDAMPs)</p> <p>Record maintenance of emergency hazards and preparedness</p> <p>Emergency response plan is attached as Annexure H.</p>	MC Gojra	<p>Site Visits</p> <p>Implementation of GRM</p>	Site visit	MC Gojra
Waste water disposal without treatment	<p>Environmental hazard</p> <p>Ecological Hazard</p>		Improved sewerage network shall be connected to the proposed disposal station and will be further transmitted to WWTP where its BOD, temperature, flow and other parameters will be monitored at entry point (influent) to the last exit (effluent) after treatment through anaerobic ponds, facultative ponds	MC Gojra	<p>Site Visits</p> <p>Lab Facility working and maintenance of record/data</p>	Site visit	MC Gojra



	<p>Non-compliance of PEQs</p> <p>Hazardous impacts on agricultural crops if used for irrigation</p>		<p>and through bioremediation by introducing floating wetlands.</p> <p>Sludge dry beds will be used to prepare the compost for further selling to the local farmers which will be a source of revenue generation for the MC.</p> <p>After disinfection and chlorination and helminths and pathogens removal, treated water will be reused for irrigation purposes and during monsoon or no irrigation usage seasons, treated water shall be pumped through watercourse to the nearest canal which is 4-5km away from the WWTP.</p> <p>For discharge of treated water into surface water body, PEQs6 shall be strictly followed (Attached as Annexure B)</p> <p>As Pakistan has no Guidelines/Standards for treated water re-use, so WHO, FAO and USEPA Guidelines and Standards (attached as Annexure K) shall be used to ensure the environmental and ecological safety</p>		Implementation of GRM		
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6 . As per PEQs, Biochemical Oxygen Demand (BOD5) at 200 C for inland water discharge is 80