

BIDDING DOCUMENTS

FOR

**IMPROVEMENT AND REHABILITATION OF P-1 GOJRA TOBA ROAD IN
GOJRA CITY**



Local Government &
Community Development
Government of the Punjab

April 2023

MC GOJRA

TABLE OF CONTENTS

Description

INVITATION FOR BIDS

INSTRUCTIONS TO BIDDERS

A. General

- IB.1 Scope of Bid
- IB.2 Source of Funds
- IB.3 Eligible Bidders
- IB.4 One Bid Per Bidder
- IB.5 Cost of Bidding
- IB.6 Site Visit

B. Bidding Documents

- IB.7 Contents of Bidding Documents
- IB.8 Clarification of Bidding Documents
- IB.9 Amendment of Bidding Documents

C. Preparation of Bids

- IB.10. Language of Bid
- IB.11 Documents Accompanying the Bid
- IB.12 Bid Prices
- IB.13 Currencies of Bid and Payment
- IB.14 Bid Validity
- IB.15 Bid Security
- IB.16 Alternate Proposals by Bidder
- IB.17 Pre-Bid Meeting
- IB.18 Format and Signing of Bid

D. Submission of Bids for Single Stage Two Envelope Bidding Procedure

- IB.19 Sealing and Marking of Bids
- IB.20 Deadline for Submission of Bids
- IB.21 Late Bids
- IB.22 Modification, Substitution and Withdrawal of Bids

E. Bid Opening and Evaluation for Single Stage Two Envelope Bidding Procedure

- IB.23 Bid Opening

- IB.24 Process to be Confidential
- IB.25 Clarification of Bids
- IB.26 Examination of Bids and Determination of Responsiveness
- IB.27 Correction of Errors
- IB.28 Evaluation and Comparison of Bids

F. Award of Contract

- IB.29 Award
- IB.30 Employer's Right to Accept any Bid and to Reject any or all Bids
- IB.31 Notification of Award
- IB.32 Performance Guarantee
- IB.33 Signing of Contract Agreement
- IB.34 General Performance of the bidders
- IB.35 Integrity Pact
- IB.36 Instructions not Part of Contract
- IB.37 PPRA Act, 2009 and PPR-14 will have over-riding effect

BIDDING DATA SHEET

LETTERS OF TECHNICAL BID/FINANCIAL BID AND APPENDICES TO BID

- Letter of Technical Bid
- Letter of Financial Bid
- Appendix-A to Bid : Special Stipulations
- Appendix-B to Bid : Foreign Currency Requirements
- Appendix-C to Bid : Price Adjustment
- Appendix-D to Bid : Bill of Quantities
- Appendix-E to Bid : Proposed Construction Schedule
- Appendix-F to Bid : Method of Performing the Work
- Appendix-G to Bid : List of Major Equipment – Related Items
- Appendix-H to Bid : Construction Camp and Housing Facilities
- Appendix-I to Bid : List of Subcontractors
- Appendix-J to Bid : Estimated Progress Payments
- Appendix-K to Bid : Organization Chart of the Supervisory Staff and Labor
- Appendix-L to Bid : Integrity Pact
- Appendix-M to Bid : Financial competence and access to financial resources

Appendix-N to Bid : Technical Evaluation Criteria

FORMS

Bid Security

Form of Performance Security

Form of Contract Agreement

Mobilization Advance Guarantee/Bond

Indemnity Bond for Secured Advance Against Material Brought at Site

INVITATION FOR BIDS

TENDER NOTICE
FOR
IMPROVEMENT AND REHABILITATION OF P-1 GOJRA TOBA ROAD IN GOJRA
CITY

Municipal Committee, Gojra (MC Gojra) (hereinafter referred to as the “client”), invites the sealed bids from Contractors / Firms / Manufacturer / Authorized dealers having valid License from **PEC** in category **C4 & Above** with relevant code **CE-01, CE-09 & EE-11**, registered with **FBR & PRA (NTN and PNTN)** concerning **IMPROVEMENT AND REHABILITATION OF P-1 GOJRA TOBA ROAD IN GOJRA CITY**.

2. 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). 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.

3. **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 **2%** of estimated cost in shape of CDR / Bank Guarantee from any Scheduled Bank in Pakistan, for an amount of **Rs. 5,162,925/-** in the name of the Chief Officer, Municipal Committee Gojra. Last date for purchase of bidding documents is **12-05-2023**. The Bids (**Technical & Financial**) must be delivered in the office of Chief Officer, Municipal Committee Gojra on **13.05.2023 at 11:00 A.M.** The Technical bids will be opened on the same day at **11:30 A.M** in presence of the bidder / bidder's representatives who choose to present.

4. A pre-bid meeting with contractors will be held on 03-05-2023 at 12:00 P.M in the office of Chief Officer, Municipal Committee Gojra and intended bidders are invited for participation.

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 90 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. Estimated cost is Rs. **258,146,203/-** (T.S issued vide No. CE(NORTH)PLGB-TS(32)/2023 Lahore dated 17.04.2023).

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 IMPROVEMENT AND REHABILITATION OF P-1 GOJRA TOBA ROAD IN GOJRA CITY.

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 Plan (ESMP)

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 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. 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 affects 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

Mobile: 046-9200083

E-mail: mcgojratts@gmail.com

Summary of Works

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

- P1-Gojra Toba Road Works
- Stormwater Drainage System
- Electrical Works
- Environment & Social Management Plan

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

90 Days

Clause IB-15 Bid Security

2% of the Estimated Cost of Rs 258,146,203 i.e (Rs. 5,162,925/-)

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 03-05-2023 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:-

Chief Officer, Municipal Committee Gojra

Mobile: 046-9200083

E-mail: mcgojratts@gmail.com

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: 11:00 AM,

Date: May 13, 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: 11:30 AM

Date: May 13, 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;
- (b) We offer to execute and complete in conformity with the Bidding Documents the following Works: **“IMPROVEMENT AND REHABILITATION OF P-1 GOJRA TOBA ROAD IN GOJRA CITY”**.
- (c) Our Bid consisting of the Technical Bid and the Financial Bid shall be valid for a period of 90 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;
- (d) 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.
- (e) 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).
- (f) 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 90 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	2% of the Contract Price 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 05% of Contract Amount 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 14 days 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	04 Months from the date of Commencement of the Project.
8.	a) Amount of Liquidated Damages	0.1 % of the Contract Price for each day of delay in completion of the Works subject to a maximum of 10% of Contract Price stated in the Letter of Acceptance.
	b) Amount of Bonus for early completion	Not Applicable.
9.	Defects Liability Period	365 days from the effective date of Taking Over Certificate.
10.	Percentage of Retention Money	10 % on the amount of work done up to Rs. 5 million and 5 % on the amount of work done beyond 5 million
11.	Limit of Retention Money	05% of Contract Price stated in the Letter of Acceptance.
12.	Minimum amount of Interim Payment Certificates (Running Bills)	Greater than PKR. Five Million (05 Million) except last 2 IPC's
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)	Not Applicable

16	Environment, Health & Safety	Contractor will be bound to comply the Environment and Social Management Plan (ESMP) 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)
		N/A
1	ROAD WORKS	
2	STORMWATER DRAINAGE SYSTEM	
3	ELECTRICAL WORKS	
4	ENVIRONMENT & SOCIAL MANAGEMENT PLAN (ESMP) COST	
Total Amount (Rs)		N/A
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):

<u>Description</u>	<u>Time for Completion</u>
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

Owned Purchased or Leased	Description of Unit (Make, Model, Year)	Capacity HP Rating	Condition	Present Location or Source	Date of Delivery at Site	Period of Work on Project
1	2	3	4	5	6	7
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.

Part of Works (Give Details)	Sub-Contractor (With Complete Address
1	2

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.)
1	2
Ist	
2 nd	
3 rd	
4 th	
5 th	
6 th	
Bid Price	

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-01, CE-09 & EE-11**. 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 or JV member.
- 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:

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

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

SUB CATEGORY A: FINANCIAL SOUNDNESS

For financial soundness, Letter from Banks and audited financial statements for *last three 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 three financial years are not attached, no consideration will be given to bidder.*

In case of a Joint Venture, lead Member is required to meet 70% OR as per his share (if share is more than 70%) of the given criteria whereas JV Member (Maximum one JV member) must meet 30% OR as per his share (if share is more than 30%) of the given criteria of financial soundness. Credit Marks shall be awarded on the basis of the following criteria:

Sr. No.	Description	Maximum Marks
i)	<p>Available Cash/Bank Credit Line Limit (or combination of both)</p> <p>A= Available Cash/Bank Credit Line limit or combination of both (in PKR Million)</p> <p>(15 - Marks)</p>	<ul style="list-style-type: none"> • Full Marks will be given if “A” is PKR 70 Million or above. • For ‘A’ less than PKR 70 Million, marks will be awarded as: $(A/70) * 15$ • No Marks will be given if “A” is less than PKR 35 Million. <p><u>No marks shall be allotted if Bank statement (In case of Cash) & letter from Bank (In case of Credit Line as proof of Credit Line) is not attached.</u></p>
ii)	<p>Average Working Capital in last Five financial years.</p> <p>A= Average Working Capital in last five financial years (in PKR Million)</p> <p>(15 - Marks)</p>	<ul style="list-style-type: none"> • Full Marks will be given if “A” is PKR 70 Million or above. • For ‘A’ less than PKR 70 million, marks will be awarded as: $(A/70) * 15$ • No Marks will be given if “A” is less than PKR 35 Million. <p><u>No marks shall be allotted if audited financial statements of last five financial years are not attached.</u></p>
	Sub-total:	30

SUB-CATEGORY B: EXPERIENCE RECORD

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

Sr. No.	Description	Max. Mark
i)	<p>Projects of General Nature completed over last 05 years.</p> <p>a. Max 03-projects having minimum cost Rs.100 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. $3 \times 5 = 15$)</p>	15
ii)	<p>Projects of similar nature and complexity</p> <p>a. Max 02-projects for Road and allied works having Min Cost Rs. 70 Million each (completed over last 05 years)</p> <p>b. Max 02-projects for Road and allied works having Min Cost Rs. 70 Million each (in hand)</p> <p>Each project having above-said minimum cost bracket; will have equal marks. (i.e. $4 \times 5 = 20$)</p>	20
iii)	Completed/In-hand work experience of any construction project with International Donor/Organization/Foreign Funded (02-projects)	10
	Sub-total:	45

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 (Max 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) (Max 3-No) b) Experience of Engineers in number of Years (Minimum 05 -years)	3 3
	Sub-total:	15

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.

Sr. No	Equipment Type	Maximum Marks
1	Surveying Equipment (Total Station) (01 Set)	1
2	Dump Truck 2-Ton (01 No.)	1
3	Excavator (01 No.)	1
4	Motor Grader (02 No.)	1.5
5	Roller (02 No.)	1.5
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 (02 No.)	0.5
	Sub-total:	10

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) Each of the partners shall meet not less than 30 percent of all the qualifying criteria given in paras A to D heretofore.
 - iii) 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 three (3) financial years must be attached.

Bidder's Legal Name: _____

Date: _____

JV Members Legal Name: _____

Information Balance Sheet

	Year-1	Year-2	Year-3	Overall Average
Total Assets (TA)				
Total Liabilities (TL)				
Net Worth (TA-TL)				
Current Assets (CA)				
Current Liabilities (CL)				
Average Annual Turnover (AATO) (In case of a Joint Venture, lead Member is required to meet 70% OR as per his share (if share is more than 70%) whereas JV Member must meet 30% or as per their share (if share is more than 30%) (each member other than Lead member)				
Average Annual Turnover				
Financial Resources (In case of a Joint Venture, lead Member is required to meet 70% OR as per his share (if share is more than 70%) whereas JV Member must meet 30% or as per their share (if share is more than 30%) (each member other than Lead member)				
Cash/Bank Balance				
Credit Line Limit				

Name of Bidder or 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

Name of Bidder or Member of a Joint Venture

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

Name of Bidder or Member of a Joint Venture

NOT USED

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;"> _____Years _____Months </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)*

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

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.

<p>WITNESS:</p> <p>1. _____ _____</p> <p style="text-align: center;">Corporate Secretary (Seal)</p> <p>2. _____ _____</p> <p>Name, Title & Address</p>	<p style="text-align: center;">SURETY (Bank)</p> <p>Signature _____</p> <p>Name _____</p> <p>Title _____</p> <p style="text-align: center;">Corporate Guarantor (Seal)</p>
--	--

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's request, an amount of Rupees _____ amount shall be advanced to the Contractor as per _____

AND WHEREAS _____ the mobilization advance of _____

AND WHEREAS _____ (Signed by the Employer) (Hereinafter called _____ Contractor and in consideration of the Employer agreed to the Contractor, has agreed to furnish the said Guarantee.

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)

MG-2

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

NOT USED

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 the material is as under:-

- | | | | |
|----------|--------------|-----------|-------------|
| 1. _____ | at Rs. _____ | per _____ | = Rs. _____ |
| 2. _____ | at Rs. _____ | | = Rs. _____ |
| 3. _____ | at Rs. _____ | | = Rs. _____ |
| 4. _____ | at Rs. _____ | | = Rs. _____ |

THEREFORE _____
 I/We _____ do hereby declare that the material brought to flood and _____ loss due to flood and _____ against any act of Man or God or _____ advanced or paid by the Employer on our request _____
 I/We _____ shall indemnify _____ against any or all claim _____ 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 change 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

NOT USED

_____ 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 _____

NOT USED

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)

Table of Contents

Clause No.	Description
SP-1	General
SP-2	Description of the Works
SP-3	Site of Works
SP-4	Setting Out
SP-5	Climatological Data
SP-6	Utilities
SP-7	Topography and Geology of the Site
SP-8	Extent of Work
SP-9	Drawings
9.1	Bidding Drawings
9.2	Construction Drawings
9.3	Checking Drawings
SP-10	Right to Change
SP-11	Drawings and Data to be Furnished by the Employer / Engineer
11.1	Procedure for Submittal of Contractor's Drawings
11.2	Other Drawings
11.3	Ownership of Drawings etc.
SP-12	Cooperation with Other Contractors
SP-13	Quality of Materials
SP-14	Inspection and Tests
14.1	Inspection
14.2	Testing
14.3	Cost
SP-15	Construction Programme
15.1	General
15.2	Submittals
15.3	Progress Schedule
SP-16	Layout of Works
16.1	Reference Points
16.2	Verifications

16.3	Primary Control Points
16.4	Construction Surveys
16.5	Basic Control Monument
16.6	Surveys and Computations
16.7	Tolerances
16.8	Material and Equipment
SP-17	Standards and Specifications
SP-18	Access to Site
18.1	Right of Way for Access and Haul Routes
18.2	Restoration of Site
SP-19	Facilities to be provided by the Contractor at Site
19.1	Contractor's Camps
19.2	Temporary Sanitary Facilities
19.3	Medical Facilities
19.4	Operation and Maintenance of the Camps and Facilities
19.5	Drainage
19.6	Water Supply
19.7	Electricity Supply
19.8	Utility Lines
19.9	Handing Over / Removal after Completion
19.10	Measurement and Payment
SP-20	Provision of Facilities for the Engineer/Employer
20.1	Site Office for the Engineer
20.2	Facilities for the Employer
20.3	Measurement and Payment
SP-21	Progress Photographs
SP-22	Site Facilities to be provided by the Employer
22.1	General
22.2	Area for Storage and Workshop
SP-23	Safety Measures at Construction Site
SP-24	Environmental Protection

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 kilometres (31 mi) from Faisalabad, 170 kilometres (110 mi) from Lahore and 20 miles (32 km) north of Toba Tek Singh. Founded in 1896 during the British colonial period, Gojra was the commercial centre of lands which had recently come under cultivation, and was known for its "mandi" (market) for cash crops. It is the 50th largest city of Pakistan by population according to the 2017 census.

Scope of the work for this particular project includes Improvement and Rehabilitation of P1-Gojra Toba Road in Gojra City

The project is of immense importance due to the following reasons:

1. Improvement of service delivery level of the municipal services in the sector of communication.
2. Better travelling facilities for the commuters.
3. Reduction in road accidents.
4. Saving in travelling and repair cost of the vehicles.
5. Reduction in annual maintenance charges of roads and parks
6. Better lit roads and streets adding to security of people travelling at night.
7. Improvement in environments of the city making them livable.
8. Improvement in local and province economy.

The roads infrastructure has been damaged and degraded because of lack of repairs and upgradation due to shortage of money and constrained municipal budgets. If these roads & chowks are not improved at this stage, then this infrastructure will be further damaged / degraded giving financial loss to the public as well as private sectors and the growth potential of the city will be adversely affected. Damaged roads will increase the operational expenditure of the vehicles apart from wasting time and giving rise to public frustration and mental agony

The only way to keep the infrastructure in operational and functional condition for better travelling and recreational facilities to the inhabitants of the city and the surrounding areas, is to improve the roads, chowks and important cross roads

SP-2 DESCRIPTION OF THE WORKS

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

- P1-Gojra Toba Road Works
- Stormwater Drainage System
- Electrical Works
- Environment & Social Management Plan

SP-3 SITE OF WORKS

The work mainly comprising of Improvement and Rehabilitation of P1- Gojra Toba Road in Gojra City.

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 Environmental & Social Management 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.

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 expenses.

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 Environmental & Social Management Plan are attached with this bidding document as Annexure-1 and Annexure-II

<p align="center">PUNJAB CITIES PROGRAM (PCP) DETAILED DESIGN OF INFRASTRUCTURE SUB-PROJECTS AND RESIDENTS SUPERVISION IN 16 CITIES OF PUNJAB</p>		
<p align="center">ROAD WORKS</p>		
<p align="center">MC GOJRA</p>		
<p align="center">DETAILED COST ESTIMATE</p>		
<p align="center">SUMMARY</p>		
Sr. No.	Description	Amount (Rs.)
1	ROAD WORKS	
2	STORMWATER DRAINAGE SYSTEM	
3	ELECTRICAL WORKS	
4	ENVIRONMENTAL & SOCIAL MANAGEMENT PLAN	
	Total Amount (Rs.)	
	Amount in Words	
	Note: These are exclusive of PRA charges. However, it will be added during evaluation.	

PUNJAB CITIES PROGRAM (PCP) DETAILED DESIGN OF INFRASTRUCTURE SUB-PROJECTS AND RESIDENTS SUPERVISION IN 16 CITIES OF PUNJAB		
INFRASTRUCTURE WORK		
MC GOJRA		
DETAILED COST ESTIMATE		
SUMMARY		
Sr. No.	Description	Amount (Rs.)
1	ROAD WORKS	
1.1	P-1 GOJRA TOBA ROAD (3.11 Km)	
	1) Total Amount. Rs.	
2	STORMWATER DRAINAGE SYSTEM	
2.1	P-1 GOJRA TOBA ROAD	
	2) Total Amount. Rs.	
3	ELECTRICAL WORKS	
3.1	P-1 GOJRA TOBA ROAD	
	3) Total Amount. Rs.	
4	ENVIRONMENTAL & SOCIAL MANAGEMENT PLAN	
	Total Amount (Rs.) "1+2+3+4"	
	Say Millions	

ROAD WORKS

PUNJAB CITIES PROGRAM (PCP)
DETAILED DESIGN OF INFRASTRUCTURE SUB-PROJECTS AND RESIDENTS
SUPERVISION IN 16 CITIES OF PUNJAB

BILL OF QUANTITIES

P-1 GOJRA TOBA ROAD

ROADS NETWORK

Sr. No	1st BI-Annual-2023 (Jan to July) Toba Tek Singh	Description	Unit	Qty	Unit Rate (Rs.)	Amount (Rs.)
		ROAD WORK				
		Dismantling				
1	N.S	Dismantling / Demolishing of existing kerb stone as directed by Engineer's Incharge, Complete in all respect	Rft	400.00		
2	4/46	Dismantling and removing road pavement, etc., including screening and stacking of byproducts upto one chain lead (30 metre).	100Cft	228.90		
		Scarifying				
3	18/11	Scarifying old road surface including removal of debris within 1 chain (30 m).	100Sft	2,315.70		
		Excavation				
4	3/7	Earthwork excavation in open cutting upto 5'-0" (1.5 m) depth for storm water channels, drains, sullage drains in open areas, roads, streets, lanes, including under pinning of walls and shoring to protect existing works, shuttering and timbering the trenches, dressed to designed level and dimensions, trimming, removal of surface water from trenches, back filling and surplus excavated material disposed of and dressed within 50 ft. (15 m) lead:-				
		i) ordinary	1000Cft	167.34		
5	7/30	Supplying and filling sand under floor; or plugging in wells	100Cft	123.93		

PUNJAB CITIES PROGRAM (PCP)
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SUPERVISION IN 16 CITIES OF PUNJAB

BILL OF QUANTITIES

P-1 GOJRA TOBA ROAD

ROADS NETWORK

Sr. No	1st BI-Annual-2023 (Jan to July) Toba Tek Singh	Description	Unit	Qty	Unit Rate (Rs.)	Amount (Rs.)
6	18/3 Labor Rate	Relaying sub-base course of stone product of approved quality and grade including, placing, mixing, spreading and compaction of sub base material to required depth, camber and grade to achieve 98% maximum dry density determined according to AASHTO T-180 method-D, including carriage of all material to site of work complete in all respect as per specifications and as directed by the engineer incharge.	1000Cft	20.60		
		Sub Base Course				
7	18/3/a/ (i) + 1/1	Providing and laying sub-base course of stone product of approved quality and grade including, placing, mixing, spreading and compaction of sub base material to required depth, camber and grade to achieve 98% maximum dry density determined according to AASHTO T-180 method-D, including carriage of all material to site of work complete in all respect as per specifications and as directed by the engineer incharge. (Crushed stone aggregate from Sargodha quarry to site, actual compacted depth shall be considered for payment)	100Cft	831.72		
		Road Edging				
8	18/5	Providing and laying road edging of 3" (75 mm) wide and 9" (225 mm) deep brick on end, complete in all respects.	Rft	18,966.00		

PUNJAB CITIES PROGRAM (PCP)
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SUPERVISION IN 16 CITIES OF PUNJAB

BILL OF QUANTITIES

P-1 GOJRA TOBA ROAD

ROADS NETWORK

Sr. No	1st BI-Annual-2023 (Jan to July) Toba Tek Singh	Description	Unit	Qty	Unit Rate (Rs.)	Amount (Rs.)
		Water Bound Macadam				
9	18/4/a + 1/1	Providing and laying base course of crushed stone (Water Bound Macadam) of approved quality and grade including, placing, mixing, spreading and compaction of base course material to required depth, camber and grade to achieve 100% maximum modified AASHTO dry density, including carriage of all material to site of work complete in all respect as per specifications and as directed by the engineer incharge. (Crushed stone aggregate from Sargodha quarry to site, actual compacted depth shall be considered for payment)	100Cft	1,987.93		
		Prime Coat				
10	18/6	Providing and laying bituminous priming coat, using 10 lbs. kerosene oil and 10 lbs. binder per 100 Sft. or 0.5 Kg kerosene and 0.5 Kg binder per square metre.	100Sft	3,377.95		
11	18/7	Providing and laying bituminous tack coat, using 10 lbs. of bitumen per 100 Sft (0.49 Kg of bitumen per sq.m.)	100Sft	2,620.80		
		Carpeting				
		ABC				
12	18/10/a + 1/1	Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density. (2 inch thick) (iii) 4% Bitumen	Per inch thickness per 100Sft.	2,620.80		

PUNJAB CITIES PROGRAM (PCP)
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SUPERVISION IN 16 CITIES OF PUNJAB

BILL OF QUANTITIES

P-1 GOJRA TOBA ROAD

ROADS NETWORK

Sr. No	1st BI-Annual-2023 (Jan to July) Toba Tek Singh	Description	Unit	Qty	Unit Rate (Rs.)	Amount (Rs.)
		AWC				
13	18/10/a + 1/1	Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density. (1.5 inch thick) (iv) 4.5% Bitumen	Per inch thickness per 100Sft.	2,620.80		
14	18/10/a + 1/1	Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density. (2 inch thick) (iv) 4.5% Bitumen	Per inch thickness per 100Sft.	730.90		
		Paint For Traffic Lanes				
15	13/36	Painting Traffic Lane Marking of specified width (1.5mm thick), with Thermoplastic (TP) Paint including Glass Beads, complete in all respect, as approved and directed by Engineer incharge.				
		ii) 6" wide	Rft	37,358.00		
		Kerb Stone				
16	6/52/b	Providing and fixing precast Edge Kerb Stone (4" to 6" thick), of 3500 PSI Compressive Strength, embeded in PCC 1:2:4 over lean concrete 1:4:8 etc. complete in all respect.				
		b) With Painting				
		(i) 14" high	P.Rft	10,920.00		
		Tuff Paver				
17	10/41	Providing and 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)				
		c) 80-mm thick	Sft	111,435.50		

PUNJAB CITIES PROGRAM (PCP)
DETAILED DESIGN OF INFRASTRUCTURE SUB-PROJECTS AND RESIDENTS
SUPERVISION IN 16 CITIES OF PUNJAB

BILL OF QUANTITIES

P-1 GOJRA TOBA ROAD

ROADS NETWORK

Sr. No	1st BI-Annual-2023 (Jan to July) Toba Tek Singh	Description	Unit	Qty	Unit Rate (Rs.)	Amount (Rs.)
		P.C.C (Between Asphalt and Tuff Paver)				
18	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):				
		(f) Ratio 1: 2: 4	100Cft	32.12		
		Cat Eyes				
19	18/28	Providing & fixing Cat Eyes of size 4"x4"x3/4" duly casted with specified material having plastic strip containing mini retro-reflective glass beads of color white /red/ yellow having specifid reflections, quality & shape i/c the cost of self built in 12mm dia x 120mm long steel zinc plate dnail, fixing to road with epoxy/hammering with separate nail complete.				
		b) Aluminium Alloy				
		(1) Dual-Directional				
		(ii) 43x2=86 Glass beads a side	Each	976.00		
		(B) Uni-Directional				
		(ii) 43 Glass beads a side	Each	3,040.00		
20	18/25/a	Providing, fabrication and fixing pole mounted Direction Board/ road delineator of any shape and size, with specified Sheet and thickness, supported with G.I Channel, (excluding the cost of vertical post and painting) etc complete in all respect.				
		(a) G.I Sheet 14 SWG				
		CIRCULAR/TRIANGULAR				
		3 ft size	P. Sft	90.00		

PUNJAB CITIES PROGRAM (PCP)
DETAILED DESIGN OF INFRASTRUCTURE SUB-PROJECTS AND RESIDENTS
SUPERVISION IN 16 CITIES OF PUNJAB

BILL OF QUANTITIES

P-1 GOJRA TOBA ROAD

ROADS NETWORK

Sr. No	1st BI-Annual-2023 (Jan to July) Toba Tek Singh	Description	Unit	Qty	Unit Rate (Rs.)	Amount (Rs.)
21	18/27/b	Providing, fabrication and fixing Vertical Post comprising of medium quality G.I Pipe of specified diameter, including the cost of clamping arrangements, top cover, hold fasts embeded in PCC 1:2:4 etc, complete in all respect				
		(b) 3 inch diameter	Rft	165.00		
22	13/42/a	Lettering and printing of signage /direction boards/ road delineators of any colour by machine i/c cost of Digital Lettering, Lamination & pasting etc complete in all respect.				
		a) High Intensity Prismatic (HIP) Tape	P. Sft	90.00		
		For Green Belt				
23	3/32	Turfing slopes of banks or lawns with grass sods including ploughing, laying, setting and watering (Turf got from within a distance of 5 miles (8 Km.) and maintenance for 15 days).	100Sft	238.00		
		Deduction				
24		Kerb Stone (Input Rate)	Rft	400.00		
		Total Amount Rs.				
		DRAINAGE SYSTEM				
		Dismantling				
1	4/19/c	c) Dismantling cement concrete 1:2:4 plain.	100Cft	0.62		

PUNJAB CITIES PROGRAM (PCP)
DETAILED DESIGN OF INFRASTRUCTURE SUB-PROJECTS AND RESIDENTS
SUPERVISION IN 16 CITIES OF PUNJAB

BILL OF QUANTITIES

P-1 GOJRA TOBA ROAD

ROADS NETWORK

Sr. No	1st BI-Annual-2023 (Jan to July) Toba Tek Singh	Description	Unit	Qty	Unit Rate (Rs.)	Amount (Rs.)
		Excavation				
2	3/7/i	Earthwork excavation in open cutting upto 5'-0" (1.5 m) depth for storm water channels, drains, sullage drains in open areas, roads, streets, lanes, including under pinning of walls and shoring to protect existing works, shuttering and timbering the trenches, dressed to designed level and dimensions, trimming, removal of surface water from trenches, back filling and surplus excavated material disposed of and dressed within 50 ft. (15 m) lead:- i) in ordinary soil.	1000Cft	76.10		
		P.C.C				
3	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):				
		(i) Ratio 1: 4: 8	100Cft	62.39		
		(f) Ratio 1: 2: 4	100Cft	163.40		
		Brick Work				
4	7/7/i	Pacca brick work other than building upto 10ft. (3 m) Cement, sand mortar:- Ratio 1:3	100Cft	270.89		
5	7/10	Extra for pacca brick work in steining of wells or any other circular masonry.	100Cft	1.23		
		Plaster				
6	11/8/b	Cement plaster 1:3 upto 20' (6.00 m) height:-				
		b) ½" (13 mm) thick	100Sft	304.30		

PUNJAB CITIES PROGRAM (PCP)
DETAILED DESIGN OF INFRASTRUCTURE SUB-PROJECTS AND RESIDENTS
SUPERVISION IN 16 CITIES OF PUNJAB

BILL OF QUANTITIES

P-1 GOJRA TOBA ROAD

ROADS NETWORK

Sr. No	1st BI-Annual-2023 (Jan to July) Toba Tek Singh	Description	Unit	Qty	Unit Rate (Rs.)	Amount (Rs.)
		R.C.C Work				
7	6/6/a/i/3	Providing and laying reinforced cement concrete (i/c pre-stressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, i/c forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, complete				
		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(3) Type C (nominal mix 1: 2: 4)	P Cft	51.00		
		a).(i) Reinforced cement concrete in roof slab, beams, columns, lintels, girders and other structural members laid in situ or pre-cast laid in position, or pre-stressed members cast in situ, complete in all respect. Type C (nominal mix 1:2:4)	P Cft	9,745.00		
		Steel				
8	6/12/c	Fabrication of mild steel reinforcement for cement concrete, i/c cutting, bending, laying in position, making joints and fastening, i/c cost of bending wire and labour charges for bending of steel reinforcement (also includes removal of rust from deformed bars) Gade 60	100Kg	300.01		

PUNJAB CITIES PROGRAM (PCP)
DETAILED DESIGN OF INFRASTRUCTURE SUB-PROJECTS AND RESIDENTS
SUPERVISION IN 16 CITIES OF PUNJAB

BILL OF QUANTITIES

P-1 GOJRA TOBA ROAD

ROADS NETWORK

Sr. No	1st BI-Annual-2023 (Jan to July) Toba Tek Singh	Description	Unit	Qty	Unit Rate (Rs.)	Amount (Rs.)
		Gully Grating Chamber				
9	21/8	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.	Each	15.00		
10	7/30	Supplying and filling sand under floor; or plugging in wells.	100Cft	7.50		
		uPVC Pipe				
11	19/47	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi /waste pipe make of dadex / Popular / Beta/ BBJ plain / socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.				
		Type (SDR 41/SN-4)				
		(vii) 8"(200 mm)	Rft	300.00		
		Kerb Stone				
12	6/52/b	Providing and fixing precast Edge Kerb Stone (4" to 6" thick), of 3500 PSI Compressive Strength, embedded in PCC 1:2:4 over lean concrete 1:4:8 etc. complete in all respect.				
		b) With Painting				
		(i) 14" high	P.Rft	2,926.50		

PUNJAB CITIES PROGRAM (PCP)
DETAILED DESIGN OF INFRASTRUCTURE SUB-PROJECTS AND RESIDENTS
SUPERVISION IN 16 CITIES OF PUNJAB

BILL OF QUANTITIES

P-1 GOJRA TOBA ROAD

ROADS NETWORK

Sr. No	1st BI-Annual-2023 (Jan to July) Toba Tek Singh	Description	Unit	Qty	Unit Rate (Rs.)	Amount (Rs.)
		RPC Manhole Cover				
13	N.S	Providing and fixing RPC Manhole Cover Manufactured with 100% Reinforced Plastic Composite Material, 650 mm dia with clear opening size 600 mm (24" dia) and RPC manhole frame having dia meter 790 mm (Complete) (Certified under ISO 9001-2015)	Each	19.00		
		Manhole Cover				
14	MR	Old/existing Manhole cover and Frame complete set shift to MC store.	Set	19.00		
		Total Amount (Rs)				
		ELECTRICAL WORKS				
		Scheduled Items (A)				
		Excavation				
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		a) By Manual				
		ii) in ordinary soil.	%oCft	31.97		
		RCC Foundation for Poles				
2	6/6	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position etc):-				

PUNJAB CITIES PROGRAM (PCP)
DETAILED DESIGN OF INFRASTRUCTURE SUB-PROJECTS AND RESIDENTS
SUPERVISION IN 16 CITIES OF PUNJAB

BILL OF QUANTITIES

P-1 GOJRA TOBA ROAD

ROADS NETWORK

Sr. No	1st BI-Annual-2023 (Jan to July) Toba Tek Singh	Description	Unit	Qty	Unit Rate (Rs.)	Amount (Rs.)
		(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-				
		(2) Type B (nominal mix 1: 1½: 3)	Cft	2,280.00		
		Steel Work				
3	6/12/c	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 from bars):-				
		('c) Deformed bars (Grade-60)	100Kg	57.00		
4	24/6	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-				
		i) 50 mm i/d	Rft	11,875.00		
5	24/12	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 660/1100 volts grade cable, in prelaid G.I. pipe/M.S. conduits /PVC pipe/G.I. wire/ trenches, etc (rate for cable only):-				
		ii) 6 mm sq (7/0.044")	Rft	1,900.00		
6	24/13	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire / trenches, etc. (rate for cable only):-				

PUNJAB CITIES PROGRAM (PCP)
DETAILED DESIGN OF INFRASTRUCTURE SUB-PROJECTS AND RESIDENTS
SUPERVISION IN 16 CITIES OF PUNJAB

BILL OF QUANTITIES

P-1 GOJRA TOBA ROAD

ROADS NETWORK

Sr. No	1st BI-Annual-2023 (Jan to July) Toba Tek Singh	Description	Unit	Qty	Unit Rate (Rs.)	Amount (Rs.)
		b) PVC insulated, PVC sheathed 3 core, 600/1000 volt cable:-				
		iii) 7/0.74 mm (7/0.029")	Rft	3,800.00		
		c) PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:-				
		vi) 10 mm (7/0.052")	Rft	11,875.00		
		vii) 16 mm (7/0.064")	Rft	100.00		
7	24/68	Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel ,tappered from 225 mm at bottom to 100 mm at top,with 1500 mmx60 mm dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet,with built in junction box with shutter,i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer Incharge.				
		a) Single Arm				
		(i) 10 mtr height	Each	41.00		
		b) Double Arm				
		(i) 10 mtr height	Each	54.00		

PUNJAB CITIES PROGRAM (PCP)
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SUPERVISION IN 16 CITIES OF PUNJAB

BILL OF QUANTITIES

P-1 GOJRA TOBA ROAD

ROADS NETWORK

Sr. No	1st BI-Annual-2023 (Jan to July) Toba Tek Singh	Description	Unit	Qty	Unit Rate (Rs.)	Amount (Rs.)
8	24/69/c	Supplying, installation and commissioning of LED Cobra-head Luminaries of specified wattage and lumens conforming to IP 65, Philips/ Osram /Thorn with corrosion resistant die casted aluminum housing, silicon gas kit, thermally hardened glass complete with LED drivers, surge protection i/c the cost of all accessories/components required for proper operation , fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer Incharge.				
		c) 120 Lm/Watt				
		(v) 90 Watt with 10800 Lumens	Each	149.00		
9	24/77	Supply and erection of electric energy meter, including meter testing fee, etc.				
		b) three phase, 4 wires:				
		ii) 3x50 Amp, 400 volts	Each	1.00		

PUNJAB CITIES PROGRAM (PCP)
DETAILED DESIGN OF INFRASTRUCTURE SUB-PROJECTS AND RESIDENTS
SUPERVISION IN 16 CITIES OF PUNJAB

BILL OF QUANTITIES

P-1 GOJRA TOBA ROAD

ROADS NETWORK

Sr. No	1st BI-Annual-2023 (Jan to July) Toba Tek Singh	Description	Unit	Qty	Unit Rate (Rs.)	Amount (Rs.)
10	24/105/iii	Supply, insatllation, commissioning and testing of oil cooled type, Step down Power Transformer of specified rating,11/0.415 kV, i/c the cost of lifting hooks, thermometers, LT & HT bushing 5-steps, tap changer, imported double float buchholz relay, 2 earthing terminals, roller wheels, connecting terminals for cables M.S box on transformer in order to cover complete L.T side, all necessary materials required for connections on H.T & L.T side, rated voltage 11000/415/240 V impedance 6.25% or as specified by WAPDA/IEC system earth: Delta / Star, neutral solidly earthed, i/c Wapda testing charges,complete in all respects made of PEL, Siemens, as approved and directed by the Engineer Incharge				
		(iii) 25 KVA	Each	1.00		
11	24/70	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (½") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.	Job	98.00		
		Sub Total Scheduled Items: (A)				

PUNJAB CITIES PROGRAM (PCP)
DETAILED DESIGN OF INFRASTRUCTURE SUB-PROJECTS AND RESIDENTS
SUPERVISION IN 16 CITIES OF PUNJAB

BILL OF QUANTITIES

P-1 GOJRA TOBA ROAD

ROADS NETWORK

Sr. No	1st BI-Annual-2023 (Jan to July) Toba Tek Singh	Description	Unit	Qty	Unit Rate (Rs.)	Amount (Rs.)
Non Schedule		Part-B				
12	N.S	Fabrication, Supply, testing and commissioning of following Light control panels (LCP), floor standing weather proof, IP 65 Rated of appropriate size, made of MS Sheet 16 SWG with hinged door, handle, catcher, 2 coats of antirust and powder coated paint of approved colour, AC3 megnetic contactor, photocell for automatic operation of lights, CBs, Hand/Off/Auto switch, push button and all necessary accessories complete in all respects. LCP shall be manufactured as per specifications, single line diagram complete in all respect up to the satisfaction of Engineer incharge.				
	(a)	LCP-3 Phase	No.	1.00		
13	N.S	Shifting of 20 Nos. Wapda Electric Poles	Job			
14	N.S	Electric Connection Charges	Each	1.00		
		Total Cost (Part B)			Rs.	
		Grand Total (Part A + Part B)			Rs.	
		Grand Total Amount Rs.				

ENVIRONMENTAL HEALTH SAFETY BUDGET

PUNJAB CITIES PROGRAM (PCP)
DETAILED DESIGN OF INFRASTRUCTURE SUB-PROJECTS AND RESIDENTS
SUPERVISION IN 16 CITIES OF PUNJAB

BILL OF QUANTITIES

ENVIRONMENTAL & SOCIAL MANAGEMENT PLAN

Sr No	Description	Unit	Quantity	Unit Rate (Rs.)	Amount Rs.
	Labor Safety				
1	Face Masks (3 PLY)	Nos	10.00		
2	Safety Gum Shoes	Nos	10.00		
3	Hand Gloves	Nos	10.00		
4	First Aid Box (Including essential Medicine)	Nos	1.00		
5	Safety Hard Helmets MSA	Nos	10.00		
6	Safety Goggles	Nos	10.00		
7	Reflective Safety Vests	Nos	10.00		
8	Infrared Thermometer (Benetech GM-2200 OR equivalent)	Nos	1.00		
				Sub Total	
	Working Site Safety				
1	Reflective Safety Signs Boards	Nos	10.00		
2	Reflective Safety PVC Cones (18 inch)	Nos	10.00		
3	Road Guiding Portable Delineators with Chain	Nos	10.00		
4	Reflective Safety Barricading Tape	Nos	10.00		
5	Emergency Portable Light	Nos	10.00		
6	Solid Waste Collection Drums	Nos	10.00		
7	Fire Extinguishers DCP	Nos	10.00		
				Sub Total	
	Others				
1	Pole Hanging Waste Bins	Nos.	1.00		
2	Water Sprinkling (Dust Abatement)	L.S	1.00		
3	Roadside Plantation	L.S	1.00		
4	Environmental Analytical Assessments (Ambient Air Quality Testing, Noise Testing, Vehicular Emissions Testing/Generators, Surface Water & Ground Water Testing)	L.S	1.00		
5	Hiring of Environmentalist (03 Months Budget)	L.S	1.00		
6	Labor Campsite Management	L.S	1.00		
				Sub Total	
	Total Amount (Rs)				

ترقیاتی منصوبوں کی تعمیر و مرمت
کے دوران کام کرنے والے مزدوروں / ورکرز
(بشمول خواتین لیبر / ورکرز) کی صحت، حفاظت
اور ماحول کے لئے معیاری اصول و ضوابط

اغراض و مقاصد

۱۔ مجوزہ معیاری اصول و ضوابط پنجاب سیٹیز پروگرام (PCP) کے تحت پنجاب میونسپل ڈویلپمنٹ فنڈ کمپنی (PMDFC) کے ماہرین ماحولیات نے پروگرام ڈائریکٹر (PCP) اور ڈپٹی پروگرام ڈائریکٹر (PCP) کی زیر نگرانی تشکیل دیئے ہیں۔

۲۔ شہری ترقی کے ترقیاتی منصوبہ جات کی تعمیر و مرمت میں مزدور/ورکرز بنیادی کردار ادا کرتے ہیں۔ ان (SOPs) کا بنیادی مقصد مزدور/ورکرز (بشمول خواتین لیبر/ورکرز) کو تعمیراتی جگہوں (Construction sites) اور لیبر کیمپس میں ماحولیاتی اور سماجی تحفظ فراہم کرنا اور صحت، ماحولیات اور کسی خطرناک صورتحال سے بچنے کے لئے حفاظت فراہم کرنا ہے۔

۳۔ یہ SOPs (PCP) پنجاب سیٹیز پروگرام کے تحت 16 شہروں کی میونسپل کمیٹی/کارپوریشنز میں تعمیر و مرمت کے تمام پراجیکٹس پر لاگو ہوں گے۔

۴۔ یہ SOPs مزدوروں/کام کرنے والوں/ردیہاڑی دار (بشمول خواتین) پر بلا تخصیص لاگو ہوں گے۔

۵۔ ان SOPs کو موثر اور یقینی بنانے کے لئے انھیں ٹھکیداروں کے کنٹریکٹ کا حصہ بنانا اور ان پر عمل درآمد کرنا میونسپل کمیٹی/کارپوریشنز کی ذمہ داری ہے۔ جسے پی ایم ڈی ایف سی کی متعلقہ پروگرام ٹیم یقینی بنائے گی۔



زیر نگرانی

عاشق چوہدری

سینئر پروگرام آفیسر (انفراسٹرکچر)
پنجاب سیٹیز پروگرام (PCP)

افتخار رسول

ڈپٹی پروگرام ڈائریکٹر
پنجاب سیٹیز پروگرام (PCP)

تکنیکی ٹیم

رضوانہ انجم

پروگرام آفیسر (انوائرنمنٹ اینڈ سوشل سیف گارڈز)
پنجاب سیٹیز پروگرام (PCP)

کنز می ندیم

ریسرچ اینالسٹ
پنجاب سیٹیز پروگرام (PCP)

تہمینہ کرن

ڈپٹی پروگرام آفیسر (ESSs)
پنجاب سیٹیز پروگرام (PCP)



- ♦ چوبیس گھنٹے لیبر کیمپس میں پرفرسٹ ایڈکس کی سہولت موجود ہو۔ کیمپ سائٹس میں ابتدائی طبی امداد سے متعلقہ دواؤں کا موجود ہونا یقینی بنایا جائے۔ اور طویل المدتی کیمپ کی صورت میں کسی ڈسپنسر رڈاکٹر کا کیمپ میں موجود ہونا چاہیئے۔
- ♦ کسی ایمرجنسی کے دوران مزدوروں کے لیے ایمرجنسی کی سہولت فراہم کی جائے اور ایمرجنسی سروسز 1122 یا 15 پر کال کرنے کے لیے ٹیلیفون ریمو بائل کی سہولت مہیا کی جائے۔
- ♦ حفظانِ صحت کے بہترین اصولوں، صفائی ستھرائی اور صحت کی دیکھ بھال کے امور کیلئے مزدوروں کیلبر کو تربیت فراہم کی جائے جس میں تمام مزدوروں کی شرکت کو یقینی بنایا جائے۔
- ♦ جنسی طور پر منتقل ہونے والی بیماریوں اور ایڈز وغیرہ کے بارے میں مزدوروں کو مکمل معلومات فراہم کی جائیں اور ان بیماریوں سے بچنے کے لیے حفاظتی اصول اپنانے پر زور دیا جائے۔
- ♦ مچھروں اور دیگر بیکٹیریا کو پیدا ہونے سے روکنے کیلئے حفاظتی سپرے لازمی کرائے جائیں۔
- ♦ کرونا سے بچنے کے لیے ابتدائی سکریننگ یقینی بنائیں اور بار بار ہاتھ دھونے پر زور دیں اور علامات ظاہر ہونے پر فوری طور پر دیگر مزدوروں سے آئسولیشن کے مکمل اصولوں پر سختی سے عمل کیا جائے۔
- ♦ لیبر کیمپس کے اندر مناسب مقامات پر حفظانِ صحت کے اصولوں سے متعلقہ پیغامات اور طریقے ڈسپلے کیے جائیں اور تربیتی پروگرام کا اہتمام کیا جائے۔
- ♦ قریبی ڈسپینسری، ہیلتھ کلینک، ہسپتال کے رابطہ نمبر وغیرہ واضح مقامات پر آویزاں کئے جائیں۔





سرگرمیاں

۷۔ سکیورٹی اور حفاظت کی سہولیات

مسائل

- ◆ سکیورٹی کے مسائل
- ◆ چوری کا خطرہ
- ◆ دہشت گردی کا خطرہ
- ◆ آگ لگنے کے خطرات

حفاظتی اقدامات

- ◆ کیپ کے گرد حفاظتی باڑ کی فراہمی
- ◆ حفاظتی اہلکار (پولیس یا نجی سکیورٹی گارڈز اور آرمڈ ہوم گارڈ وغیرہ) کی تعیناتی
- ◆ کیپ میں موجود افراد کی صحیح تعداد اور آمدورفت کا حساب کتاب رکھنے کے لیے رجسٹر میں اندراج۔
- ◆ آگ سے بچاؤ کے لیے لیبر کیپ بنانے میں ایسا کوئی میٹریل استعمال نہ کیا جائے جس سے آگ لگنے کا اندیشہ ہو۔
- ◆ بارش، طوفان، سیلاب وغیرہ سے بچنے کیلئے اس بات کو یقینی بنایا جائے کہ کیپ سائٹ اور عارضی کمرے رہائش گاہیں محفوظ رہیں۔
- ◆ لیبر کیپس میں آگ بجھانے والے آلات موجود ہوں جن پر انکی آخری معیاد کی تاریخ درج ہو۔ اور سکیورٹی گارڈ یا لیبر وغیرہ میں سے تین یا چار افراد کو آگ بجھانے والے آلہ استعمال کرنے کی تربیت دی جائے۔
- ◆ لیبر کیپ میں واضح مقامات پر ہنگامی ایمر جنسی رابطہ نمبر نمایاں درج ہوں۔
- ◆ ٹھیکیدار، لیبر کے ساتھ ماہانہ میٹنگز میں ایمر جنسی کی صورت میں ہر ایک مزدور کو اسکی ذمہ داریوں اور تربیت سے آگاہ کرے اور اسکی تفصیل متعلقہ کنسلٹنٹ اور میونسپل کمیٹی/کارپوریشن کو فراہم کرے۔ اور کسی بھی قسم کی شکایات ایک رجسٹر میں درج کرے۔



سرگرمیاں

۴۔ تعمیراتی مقامات پر پانی اور صفائی ستھرائی کی سہولیات اور سالڈ ویسٹ مینجمنٹ

مسائل

- ♦ صحت کو خطرہ
- ♦ ارد گرد علاقے کے لوگوں کے لئے ناگواری کا باعث
- ♦ مجھروں اور دیگر بیکٹیریا کی افزائش نسل کا ذریعہ

حفاظتی اقدامات

- ♦ تعمیراتی جگہوں پر تمام مزدوروں کے لئے پینے کے لئے صاف ستھرا پانی مہیا کیا جائے۔
- ♦ اگر تقریباً 25 مزدور ایک مہینہ کے لئے سارا دن کام کر رہے ہوں تو ان کے لیے تعمیراتی جگہوں پر پورٹ ایبل ٹوائلٹ کا انتظام کیا جائے جو مقامی ڈرنیج سسٹم سے ملحق ہوں اور مقامی ڈرنیج سسٹم کی غیر موجودگی میں مقامی ندی نالوں وغیرہ سے کم از کم 6 میٹر کے فاصلے پر ہوں۔ مزید برآں پورٹ ایبل ٹوائلٹس کی صفائی ستھرائی کو روزانہ کی بنیاد پر یقینی بنایا جائے۔
- ♦ تعمیراتی کاموں کے دوران کھدائی سے حاصل شدہ گارامٹی، ریت، کنکریٹ وغیرہ کو تعمیراتی جگہ پر ایک دن سے زائد مدت کے لئے کھانا نہ رہنے دیا جائے۔ اور روزانہ کی بنیاد پر متعلقہ میونسپل کمیٹی رکارپوریشن کی جانب سے مقرر کردہ جگہ پر مناسب طریقے سے ٹھکانے لگایا جائے۔

تعمیراتی کاموں کے دوران خطرات/ حادثات سے بچنے کیلئے سامان برائے ذاتی حفاظت کا خلاصہ

تصویریں	تجویز کردہ سامان برائے ذاتی حفاظت	تعمیراتی کام	مقصد
	حفاظتی عینکیں	اڑنے والے ذرات کا استعمال جیسے پکھلی ہوئی دھات مائع کیمیکل، گیسیں، اور بخارات، روشنی کی شعاعیں۔	آنکھوں اور چہرے کی حفاظت/ تحفظ
	اوپر اور اطراف سے نقصان سے بچاؤ کیلئے ہیلیمٹ کے ہیلیمٹ	ایسے تمام کام جن میں گرنے کا خطرہ ہو، بلندی پر کام کرنا، تعمیراتی کام کو سنبھالنے اور دوسری جگہ پر منتقل کرنے والے کام۔	سر کی حفاظت/ تحفظ
	سماعت کی حفاظت کے آلہ جات جیسے کن پوش یا ایئر پلگ	کھدائی/ شور پیدا کرنے والے کام یا بھاری مشینیں استعمال کرنے کی وجہ سے شور۔	سماعت کی حفاظت/ تحفظ
	ہلنے اور گرنے والی اشیاء، مائع اور کیمیائی مواد سے بچاؤ کیلئے حفاظتی جوتے یا بوٹ	تمام تعمیراتی کام جن میں چیزوں کا گرنا یا گھمانا، نوکیلی اشیاء شامل ہوں۔ گلانے والا یا گرم مائع، کچرے کے ڈھیر سے کچرا اٹھانا۔	پاؤں کی حفاظت/ تحفظ
	رہا یا مصنوعی مواد (نیوروپین)، چمڑا، سٹیل، غیر موصل مواد سے بنے گلوں	جسمانی صحت کیلئے نقصان دہ سامان جیسے کچرے کو سنبھالنا، ایسے کام جس میں کاٹ یا گہرے زخم لگنے کا اندیشہ ہو، ارتعاش، بہت زیادہ درجہ حرارت۔	ہاتھوں کی حفاظت/ تحفظ
	ایک جگہ سے دوسری جگہ لے جانے والے یا ایک ہی جگہ پڑے مواد کی فراہمی تعمیراتی جگہ پر بچاؤ کا سامان	دھول، دھند، شعلے، گیسیں، دھواں، بخارات	تحفظ تنفس
	چہرے کے ماسک جن میں دھول ہٹانے اور ہوا کو صاف رکھنے کیلئے (کیمیائی مواد، دھند، بخارات اور گیسوں سے) مناسب فلٹر لگے ہوں	آکسیجن کی کمی	
	مناسب میٹرل سے بنے غیر موصل کپڑے، ایپرن وغیرہ	تمام کام جن میں شدید درجہ حرارت، نقصان دہ مواد، حیاتیاتی ایجنٹ، چھوٹے یا گہرے زخم لگنے کا اندیشہ ہو	
	ہیلیمٹ، حفاظتی عینکیں، ربڑ کے گلوں اور ربڑ کے بوٹ	تمام تعمیراتی کام جو 4 فٹ یا اس سے زیادہ کی اونچائی پر کے جانے ہوں بشمول سٹریٹ لائٹس وغیرہ	اونچائی پر کام کرتے ہوئے حفاظت
	اینکر، ہیلٹ، رسی، کنیکٹر، طے شدہ جگہ اور ایک ساتھی فرد	تمام تعمیراتی کام جو 4 فٹ یا اس سے زائد اونچائی پر مسلسل ایک دن کیلئے کیے جانے ہوں	اونچائی پر کام کرتے ہوئے حفاظت

Summary of Recommended Personal Protective Equipment According to Hazard

Objective	Workplace Hazards	Suggested PPE	Pictures
Eye and face protection	Flying particles, molten metal, liquid chemicals, gases or vapors, light radiation.	Safety Glasses with side-shields, protective shades, etc.	
Head protection	Falling objects, inadequate height clearance, and overhead power cords.	Plastic Helmets with top and side impact protection.	 
Hearing protection	Noise, ultra-sound.	Hearing protectors (ear plugs or ear muffs).	
Foot protection	Falling or rolling objects, pointed objects. Corrosive or hot liquids.	Safety shoes and boots for protection against moving & falling objects, liquids and chemicals.	
Hand protection	Hazardous materials, cuts or lacerations, vibrations, extreme temperatures.	Gloves made of rubber or synthetic materials (Neoprene), leather, steel, insulating materials, etc.	
Respiratory protection	Dust, fogs, fumes, mists, gases, smokes, vapors.	Facemasks with appropriate filters for dust removal and air purification (chemicals, mists, vapors and gases). Single or multi-gas personal monitors, if available.	  
	Oxygen deficiency	Portable or supplied air (fixed	
Body/leg protection	Extreme temperatures, hazardous materials, biological agents, cutting and laceration.	Insulating clothing, body suits, aprons etc.	
Working at *height	Rehabilitation Projects	Helmet, Safety glasses,	 
	New Construction Projects	Anchor, belt, lanyard,	

*In general, use of PPEs is required for any height of 4 ft or more. Ref: OSHA standards

حفاظتی اقدامات

- ◆ تعمیر کے دوران کھدائی کے تمام مقامات کے ارد گرد حفاظتی ٹیپ رپٹی لگائی جائے اور کھدائی کی جگہ کو عارضی طور پر بند کر دیا جائے جس کے باہر اس جگہ سے دور رہنے کیلئے واضح پیغامات لکھے ہوں۔
- ◆ کھدائی سے حاصل شدہ مٹی / کنکر / پتھر وغیرہ کو ایک دن سے زیادہ اس جگہ پر موجود نہ رہنے دیا جائے بلکہ روزانہ کی بنیاد پر متعلقہ میونسپل کمیٹی / کارپوریشن کی منتخب کردہ جگہ پر محفوظ طریقے سے ٹھکانے لگایا جائے۔
- ◆ نالوں کی صفائی سے حاصل شدہ بھل / ریت وغیرہ کو ایک دن سے زیادہ اس جگہ پر موجود نہ رہنے دیا جائے بلکہ روزانہ کی بنیاد پر اٹھوایا جائے اور بھل کو ایک جگہ سے دوسری جگہ منتقلی کے دوران ٹریکٹر / ٹرائی کوٹر پال کی مدد سے ڈھانپ کر لے جایا جائے۔

سرگرمیاں

3- تعمیراتی / مشینری / تعمیراتی مٹیریل اور تعمیراتی کاموں کی وجہ سے عارضی بندش

مسائل

- ◆ ٹریفک میں رکاوٹ۔

حفاظتی اقدامات

- ◆ ٹریفک میں ممکنہ رکاوٹ کے پیش نظر متبادل راستے کا انتخاب اور اس کی نشاندہی کیلئے پیغامات واضح درج کیے جائیں۔
- ◆ ٹریفک کونز (cones) کی مدد سے رکاوٹ والی جگہ کو الگ کر دیا جائے تاکہ حادثات سے بچا جاسکے۔
- ◆ ٹریفک میں زیادہ دنوں تک مسلسل رکاوٹ کی صورت میں مقامی ٹریفک پولیس کو آگاہ کیا جائے اور ان کے ساتھ مل کر ٹریفک منجمنٹ پلان کو تشکیل دیا جائے جس کو واضح مقام پر نصب کیا جائے اور مقامی آبادی / رہائشیوں کو اس کے بارے میں مکمل آگاہی دی جائے۔



ترقیاتی منصوبوں کی تعمیر و مرمت کے دوران کام کرنے والے
مزدوروں، ورکرز، (بشمول خواتین لیبر / ورکرز) کی صحت، حفاظت،
اور ماحول کے لئے معیاری اصول و ضوابط درج ذیل پالیسیز،
قوانین اور نوٹیفیکیشنز کا تجزیہ کر کے تجویز کئے گئے ہیں۔

- ◆ The Punjab Occupational Health & Safety Act, 2019
- ◆ General Environment, Health & Safety (EHS) Guidelines by International Finance Corporation (IFC), World Bank
- ◆ International Labour Standards of International Labour Organization (ILO)
- ◆ Punjab Tehsil/Town Municipal Administration (Works) Rules 2003 (Amendments 2016)
- ◆ The Punjab Restriction on Employment of Children Act, 2016
- ◆ The West Pakistan Maternity Benefit Ordinance, 1958
- ◆ ESF/Safeguards Interim Note: COVID-19 Considerations in Construction / Civil Works Projects - World Bank Guidelines
- ◆ Health & safety SOPs for Construction Workers/Sector for COVID 19
- ◆ Punjab Wildlife (Protection, Preservation, Conservation and Management) Act, 1974





ENVIRONMENT & SOCIAL MANAGEMENT PLAN (ESMP)

Gojra Toba Road 3.1 km



APRIL 1, 2023

**PUNJAB MUNICIPAL DEVELOPMENT FUND COMPANY
MC Gojra**

Contents

Section 1.....	5
INTRODUCTION	5
1.1. Punjab Cities Program (PCP)	5
1.2. Environmental & Social Management Framework (ESMF).....	5
1.3. Environment & Social Assessment Categories	5
1.3.1. Environmental Categories:	5
1.3.2. Social Categories:.....	6
1.3.3. Environment & Social Assessment Category of the Sub-project	6
1.4. Environmental & Social Management Plan (ESMP).....	6
1.5. Objectives of ESMP	7
1.6. Sub-Project Team.....	7
Section 2.....	8
SUB-PROJECT DESCRIPTION.....	8
2.1. Area Description	8
2.2. Problem Statement.....	8
2.3. Description of Work Activities.....	8
2.4. Cost estimates	11
2.5. Duration of the Sub-project	11
2.6. Sub-project Alternatives.....	11
2.6.1. Site Alternative.....	11
2.6.2. Design Alternative.....	11
Section 3.....	12
LEGAL & POLICY FRAMEWORK.....	12
3.1. General.....	12
3.2. Regulations for Environmental Assessment, Punjab EPA	12
3.3. Regulatory Clearances, Punjab EPA.....	12
3.4. Guidelines for Environmental Assessment, Pakistan EPA.....	12
3.5. Punjab Environmental Quality Standards (PEQS), 2016	12
3.6. Other Environment Related Legislations.....	13
3.7. INTERNATIONAL LAWS/TREATIES.....	16
3.7.1. The World Bank Operational Policies.....	17
Section 4.....	19
ENVIRONMENT & SOCIAL BASELINE.....	19
4.1. City profile	19
4.2. Climate	19
4.3. Temperature	20
4.4. Clouds	20
4.5. Precipitation	21
22	
4.6. Environmentally Sensitive Receptors and Impacts.....	22
4.7. Flora & Fauna	22
4.8. Government Seed Farm Gojra.....	22
4.9. Water Resources	23

4.4.9.1.	Water Quality	23
4.4.9.2.	Surface water Body	23
4.10.	Sewerage System	23
4.4.10.1.	Wastewater Treatment	24
4.11.	Solid Waste Management	24
4.12.	Demographic Status	24
4.13.	Socially Sensitive Receptors	24
4.14.	Roads	25
4.14.1.	Land Use & Land Acquisition	25
4.15.	Socio- Economic Baseline	25
4.16.	Sex segregated data at MC Gojra	25
Section 5.....	26
5.1.	General.....	26
5.2.	Public Consultation.....	26
Section 6	29
GRIEVANCE REDRESS MECHANISM	29
6.1.	GRM AT SUB-PROJECT SITE.....	29
6.2.	Types of Grievances	29
7.1.	Objective	35
7.2.	Institutional Arrangements	35
7.2.1.	MC GOJRA.....	35
7.2.2.	PMDFC ESM Wing	35
7.2.3.	The Contractor.....	36
7.3.	Mitigation.....	36
7.4.	Monitoring Plan	36
7.4.1.	Monitoring Mechanism	37
7.5.	Reports	37
7.6.	Inclusion.....	38
7.7.	Monitoring	38
7.8.	Environmental and Social Management and Monitoring Plan.....	35
8.9.	Environmental Implementation Budget.....	38
Section 9.....	47
CAPACITY BUILDING	47
9.1.	General.....	47

ACRONYMS

AHs	Affected Households	MO-I	Municipal Officer Infrastructure
BOD	Biological Oxygen Demand	MO-P	Municipal Officer Planning
DPO	Deputy Program Officer	NEQS	National Environmental Quality Standards
CO	Chief Officer	NOC	No Objection Certificate
CPMT	Central Program Management Team	OHS	Occupational Health & Safety
CTS	Complaints Tracking System	OPs	Operational Policies
DPO	Deputy Program Officer	PAPs	Project Affected Persons
EHS	Environment Health & Safety	PC-I	Planning Commission Form-I
EIA	Environmental Impact Assessment	PCP	Punjab Cities Program
EMMP	Environmental Management and Monitoring Plan	PCRs	Physical Cultural Resources
EPA	Environment Protection Agency	PD	Project Director
EPD	Environment Protection Department	PDO	Program Development Objectives
ESFPs	Environmental & Social Focal Persons	PEPA	Punjab Environment Protection Act
ESM	Environmental & Social Management	PHED	Public Health Engineering Department
ESMF	Environmental & Social Management Framework	PMDFC	Punjab Municipal Development Fund Company
ESMP	Environmental & Social Management Plan	PMU	Project Management MC
ESMMP	Environmental & Social Management and Monitoring Plan	PPEs	Personal Protective Equipment
ESSSs	Environmental & Social Safeguards	PO	Program Officer
GoP	Government of the Punjab	RoW	Right of Way
GRC	Grievance Redress Committee	RPF	Resettlement Policy Framework
GRM	Grievance Redress Mechanism	SMP	Social Management Plan
HIV/AIDS	Human Immunodeficiency Virus/ Acquired Immuno-Deficiency Syndrome	SOPs	Standard Operating Procedures
HSE	Health Safety & Environment	SPOs	Senior Program Officer
IEE	Initial Environmental Examination	STIs	Site Transmission Infections
ILO	International Labor Organization	SWM	Solid Waste Machinery
LG & CDD	Local Government & Community Development Dept	TORs	Terms of References
MoCC	Ministry of Climate Change	WB	World Bank

EXECUTIVE SUMMARY

Government of Punjab (Govt. of Punjab) sought support from the World Bank for the economic growth of urban sectors in Punjab and launched Punjab Cities Program (PCP). Program is expected to achieve overarching goals of ending poverty and promoting shared prosperity by delivering improved urban infrastructure inclusively and in ways that enhance economic growth and development in the participating cities. The Project has a number of financial, social, economic and environmental benefits, including institutional development, rehabilitation and improvement of municipal services, capital investments, better quality of life and employment generation. In addition, a large number of secondary benefits are also likely to accrue in the medium to long term such as institutional reforms at the local level. Environmental and social management under the program will be largely based on the existing legal, regulatory and institutional systems in Pakistan and in the Punjab province. PCP IPF Window (technical assistance component) supports the strengthening of social and environmental risk management systems in the participating cities. It will finance the strengthening of: a) social and environmental focal points in each city; b) the creation of social and environmental management system at the city level; and c) rolling out a training program by PMDFC for city officials.

This Environmental and Social Management Plan (ESMP) is prepared according to the World Bank core principles and guideline followed by Environmental and Social laws of Government of Punjab (GoPb). The combination of these guidelines would be helpful to identify and mitigate the environmental and social impacts that may emerge during implementation of proposed Sub-project **“Rehabilitation of Gojra Toba Road followed” near Railway Chowk, Toba Tek Singh**, which will be executed by MC Gojra from the financial grant of PCP. This ESMP follows the social and environmental appraisal and compliance in the light of Environmental and Social Management Framework (ESMF) of PCP.

Sub-project Summary:

Scope of Work	Sub-project involves rehabilitation of Gojra Toba road: Road wise detail scope of work is given in chapter 02.
Location	This alignment exists at Railway Road and leads away from Gojra to Toba Tek Singh.
Sub-project Cost	PKR
ESMP Implementation Cost	
Sub-project Duration	03 Months approx.
Major Work Activities	<ul style="list-style-type: none">• Geometric Improvement• Asphalt Pavement• Tuff Pavement on Shoulders• Pavement Marking• Street Lighting• Improvement of drainage system• Construction of Storm water drain at Gojra Toba
Executing Agency	Municipal Committee, Gojra
Monitoring Agency	Punjab Municipal Development Fund Company (PMDFC)
Sub-project Financed By	World Bank under Punjab Cities Program (PCP)
Design & Resident Supervision Consultants	JERS Consultants
Environmental Category	E-2
Social Category	S-2

Environment & Social Management:

This ESMP report presents the Sub-project site-specific baseline data, identification, assessment and evaluation of project impacts and preparation of environmental management and monitoring plan for mitigation of adverse impacts that may arise due to the proposed project interventions.

Screening of Impacts:

Environment and social screening checklist included in the ESMF has been used to screen the impacts of rehabilitation of road surface sub-project and filled as per the environmental and social survey conducted in the sub-project area. According to the screening checklist, the subproject's environmental and social impacts are modest to moderate and temporary that can be mitigated and managed using standardized construction practices during execution phase of the project.

Impact Assessment:

Most of the Project's environmental and social impacts will be beneficial. However, during construction phase, there will be some negative environmental and social impacts including waste generation during dismantling of road, noise pollution and temporary disturbance in the accessibility of residents due to road closure. Similarly, during construction phase, compensation to APs will be made in case of dismantling of existing structures other than RoW and if livelihood of any AP is affected. There will be no impact on PCRs as project interventions are outside of the PCR boundaries. There are no environmentally/socially sensitive receptors inside and outside RoW of the Sub-project. There was no Anti Encroachment Drive (AED) carried out since 2018 at the subproject location, confirmed through MC and local residents. Land acquisition is not required in the sub-project and Involuntary Resettlement Checklist was also used during the field survey to assess the social impacts. However, temporary accessibility to the shops may be disturbed during execution phase that has been communicated during public consultation. To ease them, work will be carried out in parts or phases. Some encroached structures might be disturbed during road construction. Hence, compensation will be made by MC through government defined rates.

Mitigation Measures:

Appropriate mitigation strategies are required to cope the impacts during execution phase of the project. The Sub-project specific measures suggested are; a) ESFPs¹ will conduct regular visits to the construction sites and fortnightly by DPO ESM to monitor the compliance of E & S aspects (b) Dismantling material will be disposed of simultaneously (c) it will be ensured to execute the work in portions to minimize the temporary disturbance in accessibility (d) public safety will be ensured (e) workforce will be provided with the PPEs (f) Corona SOPs will be followed (g) Contractor will use efficient machinery and equipment's to reduce noise and air pollution impacts (h) Contractor will ensure public convenience during the course of Sub-project (i) Temporary accessibility to the shops and placement of temporary vendors may be disturbed during execution phase but there is already open space available outside the shops for accessibility.

Grievance Redress Mechanism (GRM):

Proposed GRM for subproject implementation will cater to all subproject beneficiaries. This is proposed that exiting Complaint Tracking System (CTS) will be transformed into GRM. The proposed GRM mechanism will be based on three-tier grievance redress committees—at Regional level, PMDFC/LG&CDD level & GRC MC Gojra. A Grievance Redress Committee (GRC-PMDFC/LG&CDD) will be responsible to oversee the overall functions of the GRM at a strategic level including monthly reviews. It is headed by the Secretary LG &CDD. GRM MC Gojra at regional level will play an instrumental role in steering the GRC functions. A record of the grievance redress system will be maintained and analyzed regularly to identify projects weaknesses and bottlenecks (if any) and

¹ MOI Env Focal Person, MOP Social Focal Person

user satisfaction with the GRM. ESMF GRM will be integrated with the PCP's overall program GRM hotline to be developed by the Consultants under the scope of PCP.

Stakeholder Consultations:

Stakeholder consultations were carried out during preparation of ESMP. Interviews were undertaken with primary stakeholders including shopkeepers to discuss present working condition of road and improvements recommended. Meetings were held with **MC Gojra Officials** (CO, MOI, MOP, Sub-Engineers) and key environmental and social issues were discussed. Consultations revealed that overwhelming majority of the respondents were not satisfied with the current status of road as road is eroded and erupted at several points and require dualization for smooth flow of traffic. However, all the respondents were in favor of rehabilitation of roads.

Section 1

INTRODUCTION

1.1. Punjab Cities Program (PCP)

Punjab Cities Program (PCP) Program-for-Results (PforR) will support participating MC Gojra to improve their urban management and service delivery performance. The operation will provide capacity-building and institutional support to 16 secondary cities in Punjab, with an estimated total population of 4.1 million, half of whom are female.

Program Development Objectives (PDO) *is to strengthen the performance of participating urban local governments in urban management and service delivery.*

By achieving the Program Development Objective (PDO), the operation is expected to contribute to the World Bank's overarching goals of ending extreme poverty and promoting shared prosperity by delivering improved urban infrastructure on an inclusive basis and in ways that enhance economic growth and development in the participating cities. Moreover, this project will come up with a number of financial, social, economic and environmental benefits, including institutional development, rehabilitation and improvement of municipal services, capital investments, better quality of life and employment generation. In the long run, this will also make a substantial contribution in attaining Sustainable Development Goal (SDG) 11, sustainable cities and communities.

1.2. Environmental & Social Management Framework (ESMF)

Environmental and Social Management Framework (ESMF) has been prepared for Punjab Cities Program (PCP). ESMF will facilitate and technically assist the MC Gojra in better understanding and compliance of social and environmental management processes and procedures as per WB policies, local policies and legal framework. Under ESMF procedures, each Sub-project will be screened for the severity and extent of environmental and social impacts. All the Sub-projects will be screened through an environmental and social screening checklist and those having negligible environmental and or social impacts will require no further assessment. Subprojects having some negative but localized environmental and or social impacts will require a generic Environmental and Social Management Plan (ESMP) or SMP, while those having environmental impacts of significant nature or they come under Schedule I or II of PEPA Review of IEE/EIA Regulation 2000 will require to conduct the detailed studies (IEE/EIA) and further submission of reports to PEPA for review and to obtain NOC/ environmental approval.

1.3. Environment & Social Assessment Categories

1.3.1. Environmental Categories:

Depending on size, cost, location and the nature, scheme will have varying impacts on city environment. The rigorousness of environmental assessment requires identifying and mitigating the impacts, largely dependent upon the complexities of scheme. To facilitate effective screening, ESMF categorized schemes into three categories viz. E-1, E-2 and E-3.

E-1 schemes are those wherein major environmental impacts are foreseen;

E-2 schemes are expected to have only moderate environmental impacts; and
E-3 schemes are the schemes with negligible environmental impacts and hence, these can be termed as “environmentally benign”.

1.3.2. Social Categories:

Based on the number of households that may be affected by the Sub-project, i.e. Affected Households (AHs) and magnitude of impacts, schemes are categorized as S-1, S-2 and S-3.

S-1 schemes are those schemes that will impact more than 40 households, and are expected to have significant negative social consequences;

S-2 schemes are those which will impact less than 40 households and are expected to have significant social consequences affecting local inhabitants;

S-3 schemes are not expected to have any significant adverse social impacts.

1.3.3. Environment & Social Assessment Category of the Sub-project

Sub-project has been screened to assess the environment and social impacts anticipated as per scope of work. As per findings of the multiple site visits conducted, discussion with officials and stakeholder consultations, Sub-project area does not fall in any of the wildlife habitat or reserve area/environmental sensitive areas; therefore, it will not cause any harmful impact directly or indirectly during execution of civil works. Sub-project will have no irreversible environmental and social impacts. Owing to project activity, there might be some moderate environmental impacts as per scope of work that will be minimized through mitigation measures.

“Sub-project is categorized as E-2 and ESMP is prepared under this category”

Involuntary land acquisition is not required, and therefore there will be no physical displacement or impacts on livelihoods nor restrictions on access of the local community. However, access to business might be affected during execution phase. Similarly, during execution phase of the road and construction of new drain, some encroached structures might be dismantled and for these compensations will be made through MC. However, there is no significant negative impact in terms of livelihood and means of livelihoods, business loss and any other economic loss anticipated. In the light of the observations:

“Sub-project is categorized as S-2 and ARAP is prepared under this category”

1.4. Environmental & Social Management Plan (ESMP)

The Environmental and Social Management Plan (ESMP) is prepared in compliance with the guidelines provided in the Environmental and Social Management Framework (ESMF) for the said Sub-project:

“Rehabilitation of multiple roads such as Gojra Toba, MC Limit Via Railway Crossing Chowk to Gojra By Pass, MC Gojra”

1.5. Objectives of ESMP

The primary objectives of the ESMP are as follows:

- To facilitate the implementation of the identified mitigation measures.
- To define responsibilities of the project proponents, Contractor, and other members of the project team.
- To define a monitoring mechanism and identify monitoring parameters in order to ensure complete implementation of all mitigation measures and ensure effectiveness of the mitigation measures.

1.6. Sub-Project Team

Following team members participated during the preparation of ESMP.

Table 1: Composition of Sub-project Team

Sr. #	Name	Designation	Department
1.	Mr. Haider Ali	Consultant (E&S)	PMDFC
2.	Ms. Tehmina Kiran	PO-ESM	PMDFC
3.	Mr. Asif Gillani	DPO-ESSs	PMDFC

Section 2

SUB-PROJECT DESCRIPTION

2.1. Area Description

Sub-project is consisted of three main roads to be rehabilitated:

Road 01 – Gojra Toba road

Sub-project alignment passes Gojra Toba, MC Limit Via Railway Crossing Chowk to Gojra By Pass, MC Gojra The present physical condition of the site is presented in the **Figure 1**.

2.2. Problem Statement

There are multiple reasons for the selection of the sub-project site in MC Gojra. Existing geometry of roads and condition is not suitable to sustain the smooth and steady flow of traffic. Similarly, pavement structure of the road is manifesting worst state, which needs to be rehabilitated to support more traffic and provide improved riding conditions. Owing to the poor condition of the pavement surface, this results in significant delays, longer travel times, accidents at junctions, and increased wear and tear on cars. Hence, the current road network must be improved to handle the increased traffic load. Moreover, the development of this sub-project was based on the demand from the local communities residing along with the alignment of the Sub-Project. This road alignment serves as major entry point from Jhang City and link with M-4 Gojra terminal. Therefore, MC Gojra has decided to rehabilitate the sub-project road with addition of other secondary components in the light of the scope defined in the PC-1.

2.3. Description of Work Activities

Major activities to be carried out on three roads are shown hereunder:

- Geometric Improvement and
- Rehabilitation of Existing pavement Structure
- Pavement Marking
- Street Lighting
- Improvement of drainage system



1. Condition of Gojra Toba Road



2. Gojra Toba road condition and RoW



3. Glimpses of Gojra Toba road



4. Gojra Toba road RoW and shoulder condition



5 Poles at Gojra Toba road but outside of RoW



6. Glimpses of Gojra Toba road

Figure 7: Present Condition of Sub-Project Site

2.4. Cost estimates

Total cost of the scheme: (PKR)

ESMP implementation cost: (Break-up is shown in section 08)

2.5. Duration of the Sub-project

Implementation Schedule/Duration: 06 month approx.

No. of workers involved: 20-25 approx.

2.6. Sub-project Alternatives

Sub-project involves rehabilitation of multiple roads and improvement of drainage system.

2.6.1. Site Alternative

Sub-project involves dualization and widening of road 01 on the basis of need so there is no site alternative envisaged because no other site available to serve this purpose.

2.6.2. Design Alternative

Sub-project will involve improvement of drainage system and rehabilitation of the road that may temporarily affect the access to the road and nearby shops. However, the sub-project involves design change of existing road alignment when it comes to Gojra Toba road, a 3.1 km patch. A single corridor will be transformed into dual carriageway with median. This proposed activity can better serve the purpose to the communities and traffic. ESM Wing has suggested design alternate as there is one working condition weight station (owned by MC) which is leased out to some private vendor till 30th June 2023. It should be included in the scope of work that site of weight station will not be affected and covered through tuff pavement

Section 3

LEGAL & POLICY FRAMEWORK

3.1. General

This section deals with the policy and legal framework which apply for protection, conservation, restoration, rehabilitation and also related to sustainable development in context of project implementation and its operation. The project is expected to comply with all the legislation related to the environmental aspects as regards of Pakistan.

3.2. Regulations for Environmental Assessment, Punjab EPA

Under Section 12 (and subsequent amendment) of the PEPA (1997), a project falling under any category specified in Schedule I of the IEE/EIA Regulations 2022 requires the proponent of the project to file an IEE with the concerned provincial EPA. Projects falling under any category specified in Schedule II require the proponent to file an EIA with the provincial agency, which is responsible for its review and accordance of approval or request any additional information deemed necessary.

3.3. Regulatory Clearances, Punjab EPA

In accordance with federal regulatory requirements, an IEE/EIA satisfying the requirements of the Punjab Environmental Protection (Amendment) Act will be marked cleared by Punjab-EPA and No Objection Certificate (NOC) will be issued for it.

3.4. Guidelines for Environmental Assessment, Pakistan EPA

The Pak-EPA has published a set of environmental guidelines for conducting environmental assessments and the environmental management of different types of development projects. The guidelines that are relevant to the proposed project are listed below:

- Guidelines for the Preparation and Review of Environmental Reports, Pakistan, EPA 1997;
- Guidelines for Public Consultations; Pakistan EPA May 1997;

3.5. Punjab Environmental Quality Standards (PEQS), 2016

The Punjab Environmental Quality Standards (PEQS), 2016 specify the following standards:

1. Water Quality Analysis Maximum allowable concentration of pollutants (32 parameters) in municipal and liquid industrial effluents discharged to inland waters, sewage treatment facilities, and the sea (three separate sets of numbers);
2. Air Quality Analysis Maximum allowable concentration of pollutants in gaseous emissions from industrial sources;

3. Noise Quality Analysis

These standards apply to the gaseous emissions and liquid effluents discharged by batching plants, campsites and construction machinery. The standards for vehicles will apply during the construction as well as operation phase of the project

Other Environment Related Legislations

Table 2: National and Provincial Legislative Framework

Sr. No.	Act	Description	Applicability to sub-project
1.	Punjab Environment Protection Act, 2012	The Act establishes the Environmental Protection Agency that deals with the preparation of national environmental policies, prepare & publish national environment report, ensure the enforcement of National Environmental Quality Standards, establishment of ambient air, water and land quality standards, measures to control environmental pollution. Additionally, under this Act, no proponent of a project shall commence construction or operation unless he has filed with the Provincial Agency an initial environmental examination or, where the project is likely to cause an adverse environmental effect, an Environmental Impact Assessment (EIA), and has obtained from the approval in respect thereof.	Section 11,12,13 and 14 of PEPA, 2012 will be applicable during construction and operation phase of this project.
2.	Punjab Environment Protection Review of IEE/EIA Regulations 2022	Provided that the proponent shall file an environmental impact assessment, if the project is likely to cause an adverse environmental impact	<ul style="list-style-type: none">• Schedule I and II of these Regulations are not applicable on this project

3.	Delegations of power for Environmental Approvals) Rules 2017	<p>These rules set out:</p> <ul style="list-style-type: none"> • Application of Approval • Preliminary Scrutiny • Review • Environmental Approval committee • Conditions of approval • Monitoring • Cancellation of approval 	<ul style="list-style-type: none"> • The provision of this notification is applicable for environmental screening of the project, which implies that an Environmental study is required for the proposed project.
4.	Pakistan Penal Code, 1860	The Code deals with the offences where public or private property or human lives are affected due to intentional or accidental misconduct of an individual or organization. The Code also addresses control of noise, noxious emissions and disposal of effluents.	The provisions of the Penal Code, 1860 are applicable to the project in terms of penalties for effecting human lives and public property. It also addresses the control of noise, air emissions and effluent disposal.
5.	Motor Vehicle Rules 1969	It defines powers and responsibilities of Motor Vehicle Examiners (MVEs). The establishment of MVE inspection system is one of the regulatory measures that can be taken to tackle the ambient air quality problems associated with the vehicular emissions during operation phase.	This act is applicable to the gaseous emission that will be released from the vehicles in operation phase at machinery used during construction phase of this sub-project.
6.	The Land Acquisition Act, 1894	The Land Acquisition Act, 1894, is a “law for the acquisition of land needed for public purposes and for companies and for determining the amount of compensation to be paid on account of such acquisition”.	This Act will not trigger as no land acquisition is required.
7.	The Punjab Land Acquisition Rules, 1983,	It describes the land acquisition procedure for public purposes or for a company.	These Rules will not trigger as no land acquisition is required.
8.	Pakistan Antiquities Act 1975 and Punjab Antiquities Amendment Act 2012	The Punjab Antiquities Amendment Act, 2012 is adopted from the Pakistan Antiquities Act of 1975 with a few	The law will be applicable to the project due to its provision that if any accidental

		<p>minor changes. The Antiquities Act, 1975 (amended in 1990) states the following:</p> <ul style="list-style-type: none"> • “Ancient” is any object that is at least 75 years old; • All accidental discoveries of artefacts must be reported to the Federal Department of Archaeology; • The Government is the owner of all buried antiquities discovered on any site, whether protected or otherwise; • All new construction within a distance of 200 feet from protected antiquities is forbidden; • No changes or repairs can be made to a protected monument, even if it is owned privately, without approval of the responsible authorities; and <p>The cultural heritage laws of Pakistan are uniformly applicable to all categories of sites regardless of their state of preservation and classification as monuments of national or world heritage.</p>	<p>archaeological discoveries may occur during the excavation works for the construction of proposed sub-project. Chance Find Procedures are given as Annexure VII</p>
9.	Punjab Restriction of Employment of Children Act, 2016	<p>According to the sub-section 11(a) of this Act, an occupier who employs or permits a child (person under the age of 15 years) to work in an establishment shall be liable to punishment with imprisonment for a term which may extend to six months,</p>	<p>The relevance of this Act to the project will be to prohibit child employment for construction of the proposed sub-project.</p>

		but which shall not be less than seven days, and a mandatory fine between 10,000 and 50,000 rupees.	
10.	The Punjab Occupational Safety and Health Act, 2019	<p>The Punjab Occupational Safety and Health Act, 2019</p> <p>(IV of 2019) An Act to provide for occupational safety and health at workplace.</p> <p>It is necessary to make and consolidate the law for the occupational safety and health of the persons at workplace and to protect them against risks arising out of the occupational hazards; to promote safe and healthy working environment catering to the physiological and psychological needs of the employees at workplace and to provide for matters connected therewith or ancillary thereto.</p>	<p>The Punjab Occupational Safety and Health Act, 2019 relevant sections to the proposed projects are:</p> <p>8. Safety and Health, 10. Consultation 13. Notification and investigation of accidents, dangerous occurrences and occupational illness. Adopting this act, PMDFC has developed SOPs for health and safety of the labor and communities which will be applicable in this sub-project.</p>

3.6. INTERNATIONAL LAWS/TREATIES

#		
3	International Union for Conservation of Nature and Natural Resources Red List (2000)	It lists sensitive ecological resources that are experiencing various levels of threats internationally.
4	Ramsar Convention on Wetlands of International Importance 1971	The Ramsar Convention is an intergovernmental treaty that provides the framework for national action and international cooperation for the conservation and wise use of wetlands and their resources. The convention is an international treaty for the conservation and sustainable utilization of wetlands. It is the only global environmental treaty that deals with a particular ecosystem.
5	Millennium Development Goals (MDGs)	The Millennium Development Goals (MDGs) were adopted in the General Assembly of the United Nations in the year 2000 by all the countries of world and the world's leading developmental institutions. The MGDs are as follows:

		<p>Eradicate Extreme Hunger and Poverty</p> <p>Achieve Universal Primary Education</p> <p>Promote Gender Equality and Empower Women</p> <p>Reduce Child Mortality</p> <p>Improve Maternal Health</p> <p>Combat HIV/AIDS Malaria and Other Diseases</p> <p>Ensure Environmental Sustainability</p> <p>Develop A Global Partnership for Development</p>
6	Basel Convention	<p>The Basel Convention on the Control of Trans-boundary Movements of Hazardous Wastes and Their Disposal is an international treaty that was designed to reduce the movements of hazardous waste between nations, and specifically to prevent transfer of hazardous waste from developed to Less Developed Countries (LDCs). It does not, however, address the movement of radioactive waste. The Convention is also intended to minimize the amount and toxicity of wastes generated, to ensure their environmentally sound management as closely as possible to the source of generation, and to assist 7LDCs in environmentally sound management of the hazardous and other wastes they generate.</p>

3.7.1. The World Bank Operational Policies

The World Bank (WB) has approved a series of Operational Policies which define the conduct of WB operations. A summary of the status of those Operational Policies which relate to environmental and social impacts are provided in the following sections.

Table 3: Assessment of Applicable World Bank Operational Policies

Safeguard Policies	Triggered?	Explanation
Environmental Assessment OP/4.01	Yes	This sub-project has been categorized as 'Category B'. The sub-project activities under Component 3 may potentially cause negative environmental and social impacts. The sub-project is likely to have significant adverse environmental impacts that are sensitive, diverse, or unprecedented.

Physical Cultural Resource OP/4.11	No	The sub-project does not lie in any near any cultural and heritage resource therefore OP 4.11 will not be triggered
Involuntary Resettlement OP/4.12	No	OP 4.12 is not triggered as the sub-project does not require any land acquisition, therefore there be no involuntary resettlement, livelihood impacts. Consequently, there is no need of a Resettlement Action Plan. If this situation changes, the PMDFC will take immediate steps to prepare a RAP.

3.7.2. World Bank Environmental, Health and Social Guidelines

The principal World Bank publications that contain environmental and social guidelines are listed below.

- Environment, Health, and Safety (EHS) Guidelines prepared by International Finance Corporation and World Bank in 2007
- Pollution Prevention and Abatement Handbook 1998: Towards Cleaner Production
- Environmental Assessment Sourcebook, Volume I: Policies, Procedures, and Cross-Sectoral Issues.
- Social Analysis Sourcebook
- WB Committee on disability-inclusive development
- WB guidelines on labor influx
- WB Group Gender Strategy

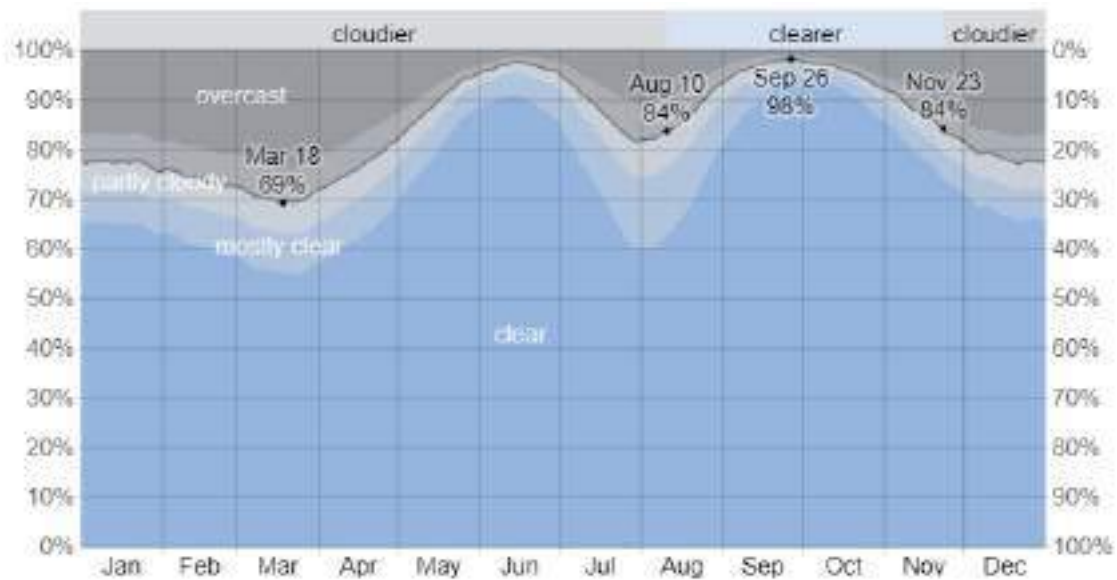


Figure 10: Cloud Cover Categories in Gojra

4.5. Precipitation⁶

A *wet day* is one with at least *0.04 inches* of liquid or liquid-equivalent precipitation. The chance of wet days in Gojra varies throughout the year.

The *wetter season* lasts *2.7 months*, from *June 21* to *September 11*, with a greater than *16%* chance of a given day being a wet day. The month with the most wet days in Gojra is *July*, with an average of *8.5 days* with at least *0.04 inches* of precipitation.

The *drier season* lasts *9.3 months*, from *September 11* to *June 21*. The month with the fewest wet days in Gojra is *November*, with an average of *0.6 days* with at least *0.04 inches* of precipitation.

Among wet days, we distinguish between those that experience *rain alone*, *snow alone*, or a *mixture* of the two. The month with the most days of *rain alone* in Gojra is *July*, with an average of *8.5 days*. Based on this categorization, the most common form of precipitation throughout the year is *rain alone*, with a peak probability of *31%* on *July 23*.

⁶ Ibid

No wild animal/endangered species is found in the area. Some local tree species were found at the sub-project site that are unlikely to be affected during execution phase.

4.9. Water Resources⁹

The city is divided into eight zones by distribution areas and is designated as 1 to 8 Zones. Originally 25 tube wells were installed on the bank of Jang branch Canal and all of these are operational. There are 5 water works named as Tanki Adalat Wali, Dijkot Road, Mehdi Mohallah, Sultan pura and Anarkali water works equipped with 6 GST and 5 OHR are also available in water distribution system. The quantity of water per capita per day presently produced is not enough for the city. However, if the water wastage is controlled by consumer metering and the pumping hours are increased to 15 hours per day, the water availability to the consumers will rise to 19 GPCD.

The sub-project has no significant impact on the water resources of MC Gojra.

4.4.9.1. Water Quality¹⁰

The groundwater analysis revealed that the level of pH, EC, TDS, Carbonates, Bicarbonates and heavy metal concentration in wastewater samples and in sludge samples were noticed considerably high. Wastewater contains heavy metals with extremely high concentration posing a direct threat to soil and groundwater. Contamination is ultimately affecting human health as this ground water is used for drinking purpose. Heavy metals were found in excess in most of the ground water samples up to large extent. Heavy metal analysis (As, Pb, Cd, Cr and Zn) showed the pollution level is high in drain. These contaminants are infiltrating downward, so the concentration of heavy metals in the groundwater samples gradually increasing up. This showed the dangerous situation for groundwater and that would definitely affect the health of inhabitants adversely. On conclusive note, Groundwater analysis showed that the water quality for drinking purpose is not safe for human being.

The sub-project scope is the improvement and rehabilitation of the existing structures and has no significant impact on the water quality of MC Gojra.

4.4.9.2. Surface water Body

At subproject roads, no surface water body (canal, river, stream, lake, and wetland) is found within 250 meters.

4.10. Sewerage System¹¹

The city is equipped with sewerage system in 50% area. The city has been divided into four areas called as Zones with respect to the drainage.

The city has main and branch sewers on main roads and streets but a very small area is equipped with lateral sewers. Most of the city is being served with surface drains discharging into the sewers without gulley grating chambers which is allowing all the silt and the floating materials in the sewers and is the main reason for chocking of sewers. No effective de-silting and cleaning of sewers is being done by MC.

⁹ https://pmdfc.punjab.gov.pk/system/files/Gojra-GAR.pdf#overlay-context=reports_publication

¹⁰ Abdul Rauf, Abdul Nasir, Haroon Rashid (2021). Assessment of Groundwater Quality in Tehsil Gojra by Using Geographical Information System. Environmental Contaminants Reviews, 4(2): 54:57

¹¹ https://pmdfc.punjab.gov.pk/system/files/Gojra-GAR.pdf#overlay-context=reports_publication

4.4.10.1. Wastewater Treatment¹²

Waste water treatment Waste water from all the disposal works is being used for broad irrigation without treatment.

4.11. Solid Waste Management¹³

The entire city is not served with solid waste collection and disposal. The efficiency of the services is 50-55%. Most of the areas of the city remain either un-served or these are partially served. The existing machinery is neither sufficient nor cost effective and efficient giving rise to low efficiency of collection and disposal of the waste and as a result of that, MC Gojra is facing increased waste management cost as well as complaints regarding the insanitary conditions in the city. Sewer lines are often get choked with filling of unattended solid waste on the roads and streets.

Physical & financial resources available with MC to handle the solid waste are too limited to serve the whole area of city. Limitation in resources is described here.

- Shortage of sanitary workers and vehicle drivers.
- Shortage and inefficiency of equipment and machinery.
- No landfill site is available for dumping of solid waste. Currently waste is being dumped along the road side which is totally unhygienic.
- Steel containers have been placed at main collection points which are not adequate for the entire city. However, at some places walled dumps exist wherefrom solid waste is collected and transported to the dumping sites.
- The waste is being openly dumped without compaction and provision of earth covers which is creating all sort of hazards say; pollution of underground water, vector and vector borne diseases, obnoxious smell and high insanitary conditions.

4.12. Demographic Status¹⁴

According to Pakistan Bureau Statics 2017 population of Gojra tehsil is 174,831 persons with an annual growth rate of 2.09 % and average household size is 6.28.

4.13. Socially Sensitive Receptors

There are few socially sensitive receptors as shown hereunder present at the Sub-project area.

Roads	Socially Sensitive Receptors
Gojra Toba Road	One mosque and multiple shops at both sides of the roads

There is no major significant impact expected to any public infrastructure, cultural heritage sites, graveyard, hospital etc. owing to project activities except the only weigh station that covers some of the road portion of Gojra Toba road. Moreover, minor encroached areas might be affected during

¹² ibid

¹³ ibid

¹⁴ <https://www.pbs.gov.pk/sites/default/files/population/2017/results/06002.pdf>

construction of storm water drain and affected persons (APs) will be compensated for that through ARAP before execution of project. In addition, access to business would be temporarily disturbed; already informed during public consultation phase. In the long run, this project is in the favor of local community and they are willing to corporate and wanted MC to get this project completed in a timely manner.

4.14. Roads

Some of the primary roads in MC Gojra are in good condition & few main roads need rehabilitation, resurfacing and widening & improvement. Further many of the secondary roads/streets require either rehabilitation or new construction with concrete pavers

4.14.1. Land Use & Land Acquisition

The land along the alignment of the Sub-project is densely populated. The land of Sub-project is under possession of executing body and used for the purpose of transportation. Major land use of the area is commercial cum residential. Sub-project involves rehabilitation of existing road RoW therefore, no land acquisition is required where no public/private structure, public amenities are to be affected during execution phase. However, portable items of the shopkeepers will be relocated temporarily. Similarly, minor encroachments were observed in the form of cemented floors, tuft tiles pavements and footsteps that might be dismantled during execution phase.

It was confirmed during the public consultation that no Anti-Encroachment Drive (AED) has taken place since 2018 at this location. In the long run, this project is in the favor of local community and they are willing to corporate and wanted MC to get this project completed in a timely manner.

4.15. Socio- Economic Baseline

The socio-economic characteristics are a comprehensive review of the current conditions of the project area. It is based on a site visits, and consultations with institutional and community stakeholders. The baseline provides a glance of the conditions of the community of the project area. It includes provision of social infrastructure facilities available in the area. Moreover, the existing conditions of utilities and the presence of cultural and religious sites are also discussed.

The communities of the road sub-project fall under the lower to middle income category and some do their shops and some do the work on daily wages. There were also some small restaurants, furniture shops, general stores, motorcycle shops, bird shops, vegetable & fruit shops. There were no permanent mobile vendor at the sub-project site. During public consultation, they supported the idea of road R&M and mentioned that during execution phase they would shift to Railway road, a main commercial hub of Gojra. They were also ensured that work would be carried out in phases or portions to limit the disturbance.

4.16. Sex segregated data at MC Gojra

In Municipal Committee (MC) Gojra, there is one female junior clerk (BPS 11). Many females are hired as sanitary workers (BPS 02-04). At MC Gojra, no workplace harassment committee is notified neither such complaint has been ever filed.

Section 5

STAKEHOLDER CONSULTATION

Timely and broad-based stakeholder involvement is an essential element for an effective environmental and social assessment. Stakeholder engagement during Environmental & Social Assessment contributes in the improvement of the project design, environmental compliance and social acceptability.

5.1. General

This section describes the outcomes of the public consultation sessions held within MC Gojra of the proposed project area that can be affected by the project. The objectives of this process were to:

1. Share information with stakeholders on the rehabilitation of the proposed project and expected impacts on the physical, biological and socio-economic environment of the project;
2. Understand stakeholder's concerns regarding various aspects of the project and the likely impacts of construction related activities and operation of the project;
3. Understand the perceptions, assessment of social impacts and concerns of the affected people/ MC Gojra of the proposed project;
4. Provide an opportunity to the public regarding their valuable suggestions in a positive manner; and
5. Reduce the chances of conflict through the early identification of controversial issues, and consult them to find acceptable solutions.

In preparation for the ESMP, two major groups of stakeholders were identified:

- (i) Local communities who are the direct beneficiaries of the project interventions and therefore identified as the '**Primary Stakeholders**'.
- (ii) Institutions who have an important role in enabling the realization of the project interventions and therefore identified as the '**Secondary Stakeholders**'.

5.2. Public Consultation

For public information/ consultation, visits were made in the proposed project areas at different times to record their concerns regarding Sub-project activities. Local communities have been consulted about proposed project interventions during consultation process. Methodology selected for selection of interviewee was Random Sampling and Focus Group Discussions (FGD). Public consultation pictorial view is presented hereunder.

Pictorial view of Public Consultation and Official Meetings

Issues Raised by Stakeholders	Proposed Mitigation Measures to address the Stakeholders Concerns
<u>Suggestions by the Local Public</u> <ul style="list-style-type: none">• Construction of dual carriageway is need of the hour due to movement of heavy traffic and public road safety.	Considering all public concerns, Dual carriageway will be constructed with all road furniture. All stakeholders agreed and supported the construction of dual carriageway. They also

At the end, concerns and suggestions from all participants recorded on the Public Consultation Record.
Annex-IV and List of consulted stakeholders is attached as **Annex-V**.

Section 6

GRIEVANCE REDRESS MECHANISM

In order to receive and facilitate the resolution of affected people concerns, compliments, and grievance about the project's environmental and social performance an Environmental Grievance Redress Mechanism (GRM) has already been established. The GRM will address affected people's concerns and complaints proactively and promptly, using an understandable and transparent process that is gender responsive, culturally appropriate and readily accessible to all segments of the affected people at no costs and without retribution.

The GRM will be accessible to diverse members of the communities, including women, senior citizens, and people with disabilities, laborers/workers, and other vulnerable groups. Culturally appropriate communication mechanisms will be used at all Sub-project sites both to spread awareness regarding the GRM process as well as complaints management.

ESMF GRM will be integrated with the PCP's overall program GRM hotline to be developed by the Consultants under the scope of PCP.

6.1. GRM AT SUB-PROJECT SITE

Grievance Redress Mechanism (GRM) is to provide a robust system of procedures and processes that provides for transparent and rapid resolution of concerns and complaints identified at the local level. For integration of GRM into existing Complaint Tracking System (CTS), Grievance Redress Committee (GRC) – MC Gojra will be notified under umbrella of Punjab Cities Program (PCP) comprising of the following members and TORs.

Grievance Redress Committee (GRC) – MC Gojra:

Chief Officer MC Gojra	Chairperson
Municipal Officer (Infrastructure Development)	Convener
Municipal Officer (Planning)	Member
Municipal Officer (Regulation)	Member

Grievance Redress Committee (GRC) at PMDFC level

6.2. Types of Grievances

The following are some of the environmental and social issues could be subject for grievance from the affected people.

Environmental Issues	Social Issues	EHS Issues
<ul style="list-style-type: none"> • Noise Pollution • Air Pollution • Fugitive Dust • Water Pollution • Solid Waste Management • Housekeeping • Cutting of Trees • Borrow Areas Management • Protection of Wildlife • Campsite Management 	<ul style="list-style-type: none"> • Accidental Insurance for labor • Non-Provision of PPEs to labor as per nature of their jobs • Loss of any public infrastructure • Protection of sensitive receptors • Compensation for any economic losses • Traffic Management • Labor grievance redressal • Gender discrimination • Security Arrangements • Impacts on livelihood • Irregular Traffic Movement • Obstruction in access • Intensive schedule of construction activities • Child Labor • Unsafe conditions for the community (Community Health and Safety, CHS) 	<ul style="list-style-type: none"> • First Aid • Fire Safety • Workplace Safety • Tools Box Talks • Provision of PPEs • Work at Height Safety • Excavation Safety • Heavy Machinery Issues

Section 7

ENVIRONMENTAL AND SOCIAL MANAGEMENT AND MONITORING PLAN

7.1. Objective

The purpose of Environmental and Social Management and Monitoring Plan (ESMMP) for replacement of existing sewer-lines is to ensure that all necessary identified measures have been adopted in order to protect the environment and social situations and to comply with country environmental legislation and applicable World Bank Core Principles. After the preparation of ESMF, PMDFC ESM Wing outlined site-specific ESMMP for the Contractors and executing agency. Environmental and social checklist was prepared by PMDFC ESM Wing with the help of the field teams and was used to assess the potential impacts of Sub-project on the basis of its scale/size, nature and significant negative impacts.

7.2. Institutional Arrangements

The specific responsibilities of the institutions involved in the ESMP implementation are described below:

7.2.1. MC GOJRA

Overall responsibility for Environmental Management and Monitoring will rest with the MC Gojra. ESM Wing will provide support to ESFPs for managing environment and social aspects of the subproject and implementation of the present ESMP. The specific responsibilities of the institutions involved in the ESMP implementation are described below:

7.2.2. PMDFC ESM Wing

MC Gojra will be responsible for implementation of ESMP with the technical assistance of ESM Wing PMDFC throughout the project period.

PMDFC ESM Wing will do the following:

- Provide support to ESFPs (MOI for Environment focal person and MOP for Social focal person) for managing environment and social aspects of the subproject and implementation of the present ESMP.
- Provide support community participation, consultations and other social activities from the Sub-project identification to completion stage.
- Monitor the subproject activities to ensure the project remains complaint as per World Bank and national/provincial policies and regulations.

7.2.3. The Contractor

The Contractor will be responsible for on-field implementation of the ESMP and environmental protection liabilities under the Punjab Environmental Protection Act (Amendment 2012) and World Bank's Environmental and Social Safeguard Policies. He will also be responsible for compliance of ESMP provisions keeping in view his contract with the MC Gojra.

The Contractor will train his crews in all aspects for implementation of the ESMP and comply with the following responsibilities:

- Usage of machinery/equipment's producing negligible/low noise.
- Ensure health, safety and protective measures including safety equipment, safe drinking water, first aid boxes etc. to the workforce as per nature of their jobs.
- Water sprinkling to avoid dust and air pollution.
- Indicate alternate routes and provide indicators on suitable places during work timings.
- Local labor should be preferred to work.
- Child labor is strictly prohibited as per labor law. All labor should be more than 14 year of age individually.
- Minimize livelihood disturbance of hawkers and shopkeepers
- Proper disposal of wastes and garbage.
- Health, safety and protective measures for the labor.
- Notice board of emergency numbers should be placed on proper place
- Contractors shall also provide safety equipment's i.e., PPEs, safe drinking water, first aid boxes etc. to the workforce as per nature of their jobs. By ensuring all these mitigation measures; not only their company profile shall boost up but also enable them to qualify and win the future Sub-projects.

The ESMP will be an integral part of the contract document. The bid would include a detailed environmental mitigation budget as part of the engineering costs of the respective works. Contractor will also be responsible for implementation of social and environmental guidelines for Contractors prepared by PMDFC ESM Wing (**Annex-II**) during execution of work. Contractor will engage environmentalist officer to fulfill the above requirements.

7.3. Mitigation Plan

The mitigation plan, being a key component of ESMP includes measures to mitigate potential negative impacts and enhance its positive impacts during construction phase of the Sub-project. The Contractor is responsible for implementation of ESMP with the co-operation of executing and implementing agencies and local communities of the subproject.

7.4. Monitoring Plan

Monitoring Plan is also associated with mitigation plan during the different stages of the Sub-project. It ensures that mitigation measures are being effectively implemented. The monitoring of the subproject is very imperative for implementation of the ESMP. The ESFPs will carry

out the monitoring at the field level on a continuous basis. The DPO ESSs will perform periodic monitoring during their site visits.

7.4.1. Monitoring Mechanism

Safeguards implementation monitoring is an essential tool for testing whether the adopted environmental and social management measures are meeting their stated objectives. Two complementary methodology approaches are being applied to monitor the proposed actions under the ESMP:

- **Compliance monitoring;** which checks whether the actions proposed by the ESMMP have been carried out by visual observation, photographic documentation and the use of checklists prepared for the ESMMP;
- **Effects monitoring;** which records the consequences of program activities on the biophysical and social environment; as applicable, these effects are repeatedly measured by applying selected indicators.

The plan also defines the monitoring mechanism and identifies a set of verifiable monitoring parameters to ensure that all proposed mitigation measures laid down in the ESMMP are completely and effectively implemented.

Monitoring will be carried out to ensure that the mitigation plans are regularly and effectively implemented. It will be performed at two levels. At the PMDFC, the environmental team will do ESMP compliance monitoring to ensure that the mitigation plans are being effectively implemented. At Contractor's level, the Environmental monitoring checklist will be filled on weekly basis by their Environmental Manager.

7.5. Reports

The Contractor will submit weekly compliance monitoring checklist and PMDFC ESM Wing will submit quarterly and annual monitoring reports as well as a final report of the Sub-project based on safeguard implementation status. The monitoring reports will also include process and outcome of consultations with the Project Affected Persons (APs) if any. The distribution of periodic reports is given below:

Distribution of Periodic Reports Report	Prepared by	Reviewed by	Distribution
Weekly	Contractor	PMDFC DPO ESSs	PD, The Engineer
Quarterly	PMDFC DPO ESSs	PMDFC SPO ESSs	PD, The Engineer, The World Bank
Annual	PMDFC DPO ESSs	PMDFC SPO ESSs	PD, The Engineer, The World Bank
Final	PMDFC DPO ESSs	PMDFC SPO ESSs	PD, The Engineer, The World Bank

7.6. Inclusion of ESMP In Bidding/ Contract Documents

The present ESMP will be included in the bidding/ contract documents and their implementation will be a contractual binding for the Contractors. In addition, the Contractor's guidelines prepared by PMDFC/ safeguards procedures will also be made part of contracts.

7.7. Monitoring of Environmental and Social Non-Compliance

Any environmental and social non- compliance during first half of the reporting month will be considered as a "minor deviation". In case the non- compliance attains the status of "non-mitigation" during the second half of the reporting month, it would be considered a "moderate non- compliance". In case non- compliance continues in the second month, it will fall in the category of "undone" and as such would be considered as a major non- compliance and eventually leading to serious action including the suspension of Contractor's payment or any other penalty as may be considered appropriate with the recommendation of the DPO ESSs/Engineer. No payment will be made to Contractor against non- compliance and no arrears will be paid thereof.

7.8. Environmental and Social Management and Monitoring Plan

The impacts, mitigation measures, monitoring indicators, frequency and responsibility has been discussed in Environmental and Social Management and Monitoring Plan (ESMMP).

Table 4: Environmental & Social Management & Monitoring Plan

Sub-project: Rehabilitation of Gojra Toba, MC Gojra

Proposed Sub-project activities	Potential Environmental & Social Impacts	Magnitude of Impact			Mitigation Measures	Monitoring Indicators	Monitoring Frequency	Responsibility
		Low	Medium	High				
Design Phase								
	Conflict on design				To avoid conflicts at design phase, public consultations was carried out. In this subproject no conflict was raised during public consultation phase.	Pictures & Videos	Not Applicable	ESM team of PMDFC & Consultant
Construction Phase								
Dismantling (Cold milling of	a) Environmental Issues:				<ul style="list-style-type: none">Designated site will be proposed for excavated material and solid waste by MC Goira that will be then	Visual/	<ul style="list-style-type: none">Frequent site visits during	<ul style="list-style-type: none">ESFPsDPO ESSs

Proposed Sub-project activities	Potential Environmental & Social Impacts	Magnitude of Impact			Mitigation Measures	Monitoring Indicators	Monitoring Frequency	Responsibility
		Low	Medium	High				
existing road surface), cleaning & grabbing	<ul style="list-style-type: none"> Dust which may affect visibility & health of labor and surrounding community Noise from machineries/ equipment Contamination of nearby surface water source Vibration (Shock waves can be produced due to heavy machinery working) Construction waste may be generated due these activities Safety hazards to labor and nearby resident population. Worse House Keeping <p>b) Social Issues:</p> <ul style="list-style-type: none"> Excavated material of road & solid waste may cause disturbance in mobility Temporary blockage of road may restrict mobility Conflict with public and public complaints 				<p>collected for disposal at regular intervals.</p> <ul style="list-style-type: none"> Tuned machinery will be used to control noise and vibration. Water sprinkling will be carried out at regular intervals to settle the suspended particles. Construction at night or off hours would be avoided. PPEs to the workers will be provided to ensure safety (See Annex-VI). Provide appropriate signage near the construction activities to sensitize the communities and minimize accidents. Public must be informed about project major activities, duration of scheme, time and schedule, anticipated impacts and their proposed mitigation measures. The contacts of focal persons (FPs) of Grievance Redress Committee (GRC) will be displayed at different locations and residents will also be informed about it. 	Pictures	<p>construction phase</p> <ul style="list-style-type: none"> Fortnightly/ Weekly Once during the construction phase 	<ul style="list-style-type: none"> SPO ID/PD

Proposed Sub-project activities	Potential Environmental & Social Impacts	Magnitude of Impact			Mitigation Measures	Monitoring Indicators	Monitoring Frequency	Responsibility
		Low	Medium	High				
					<ul style="list-style-type: none"> Vehicle emissions testing will be ensured if required (Hand plater, Compactor) once during execution of work 			
Public access owing to construction activities	<ul style="list-style-type: none"> Problems to pedestrians Normal mode of transport may be disturbed during sub-project execution. 				<ul style="list-style-type: none"> Work in phases to ease the access. One side of the road will remain open for the public and for the traffic, if possible. Provision of alternate access route if possible. Safety aspects will be consider to avoid any incident. Public will be informed prior to the execution phase Cordon off construction zone. In front of sensitive receptors such as schools, hospitals, masjids etc. contractor will be asked to expedite the activities and ensure speedy completion to avoid conflict and 	Visual/Pictures	<ul style="list-style-type: none"> Daily site visit during construction phase Fortnightly/Weekly Once during the construction phase 	<ul style="list-style-type: none"> ESFPs DPO ESSs SPO ID/PD

Proposed Sub-project activities	Potential Environmental & Social Impacts	Magnitude of Impact			Mitigation Measures	Monitoring Indicators	Monitoring Frequency	Responsibility
		Low	Medium	High				
Labor Influx-Child Labor	<ul style="list-style-type: none"> Physical illness 				<ul style="list-style-type: none"> No child labor is allowed onsite below 14 years. GRM at site level will be ensured to report in case of any such incident 	Pictures/Reported/Complains by public during visit	construction phase <ul style="list-style-type: none"> Fortnightly/Weekly Once during the construction phase 	<ul style="list-style-type: none"> SPO ID/PD
COVID-19 SOPs implementation	<ul style="list-style-type: none"> Spread of Corona among the labor 				<ul style="list-style-type: none"> Contractor will provide face masks to the labor on daily basis to reduce Corona impact. Contractor will follow COVID-19 guidelines during construction works (Annex-III). 	Visual/Pictures	<ul style="list-style-type: none"> Daily site visit during construction phase Fortnightly/Weekly 	<ul style="list-style-type: none"> ESFPs DPO ESSs SPO ID/PD
Operational Phase								
Road Maintenance	<ul style="list-style-type: none"> Accidents Complains 				<ul style="list-style-type: none"> MC will maintain road lighting system for night vision. Road surface will be repaired/maintained by MC. 	Visual/Pictures		<ul style="list-style-type: none"> MC Officials

Proposed Sub-project activities	Potential Environmental & Social Impacts	Magnitude of Impact			Mitigation Measures	Monitoring Indicators	Monitoring Frequency	Responsibility
		Low	Medium	High				
					<ul style="list-style-type: none">• Road furniture, if required will be maintained by MC.			

8.9. Environmental Implementation Budget

Table 5: Environmental Implementation Budget

Item	Quantity	Tentative Cost/Item-Rs./-	Total Cost
A-PPEs			
Face Masks (3 PLY) - box	50		
Safety Hard Helmets	20		
Safety Shoes	20		
Hand Gloves	20		
Ear Plugs	20		
Reflective Safety Vest	20		
Safety Goggles	20		
B-Community Health and Safety			
First Aid Box Complete	1		
Infrared Thermometer (Benetech GM-2200 or equivalent)	1		
Safety Signs	4		
Safety Cones	24		
Safety Tapes	50		
Portable Delineator with chain	10		
Emergency Portable Lights	5		
Solid Waste Collection Drums with Cover	3		
Fire Fighting Equipment Purchase and refilling	2		
Hiring of Environmental Specialist (for 03 months)	3		
Pole Hanging Waste Bins	5		
Labor Campsite Management	Lump sum		
Water Sprinkling	Lump sum		
Social and Behavior Change Campaign	Lump sum		
C- Environment Quality Testing			
Ambient Air Quality-one from each road during construction	2		
Noise Quality-one sample from each road during construction	2		
Water Quality-one sample from each road during construction	2		
Total (PKR)-A+B+C			

Section 9

CAPACITY BUILDING

9.1. General

A comprehensive program will be followed to strengthen the technical and institutional capacities of the executing agency (MC Gojra), contractors, and laborers. Training program will be scheduled after approval of ESMP from World Bank. Labors will be trained before and during the execution of the project.

Table 9: Training / Awareness and Sensitization Plan

Components	Audience	Level	Modality	Frequency	Responsibility
ESMF Site Specific requirements and E&S Management and Mitigation Plan	MO-1 MO-P and MC field staff ¹⁵	Training	Briefing Presentations Mock Activities	Before execution of sub-project and time to time instructions	PMDFC ESM team
ESMP Implementation and Monitoring Plan	MO-1 MO-P MC field staff	Training	Briefing Presentations Mock Activities		
	Contractor	Awareness and sensitization	Briefing	At the time of Contract signing and before execution	DPO-ESM ESFPs
	Labor	Awareness and sensitization	Briefing	Before execution and time to time during execution	DPO-ESM ESFPs
EHS SOPs for Labor/Workers (including women workers)	Contractor	Awareness and sensitization	Briefing and Illustrations	Before execution and time to time during execution	DPO-ESM ESFPs
	Labor/workers	Awareness and sensitization on SOPs Training on Use of PPEs	Presentations Illustrations Mock activities Resource material	Before execution and time to time during execution	DPO-ESM ESFPs

¹⁵ For ESFPs and MC field staff, PMDFC will organize time to time trainings and a training/ capacity building program has been designed in this regard

Components	Audience	Level	Modality	Frequency	Responsibility
GRM	Contractor	Awareness and sensitization	Briefing	Before execution and time to time during execution	DPO-ESM ESFPs
	Labor/ workers	Awareness and sensitization	Briefing and resource material	Before execution and time to time during execution	DPO-ESM ESFPs
	Public/ communities	Awareness	Briefing during public consultation Resource material	Before and during execution	DPO-ESM ESFPs

Annexure I: Environment & Social Screening Checklist

Environmental & Social Screening Checklist

Instructions: <p>Environmental and Social Focal Persons (ESFPs)¹⁶ 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.</p> <p>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</p> <p>It is to be attached with the main document¹⁷ of sub-projects at planning stage and will be duly signed by the relevant ESFP and endorsed by the respective DPO-ESM</p> <p>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</p> <p>(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.</p>													
Name of ESFP:	Shahrukh Arif MOI, M. Asad MOP												
Name of MC:	MC Gojra												
Sub-Project Sector:	Roads of Gojra												
Sub-Project Title:	Rehabilitation of P-1 Gojra Toba Road near Railway Chowk, Toba Tek Sigh 3.1 km												
Sub- Project Categorization:	<table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">E-1</td> <td style="width: 25%; text-align: center;"><input type="checkbox"/></td> <td style="width: 25%;">S-1</td> <td style="width: 25%; text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>E-2</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>S-2</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td>E-3</td> <td style="text-align: center;"><input type="checkbox"/></td> <td>S-3</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>	E-1	<input type="checkbox"/>	S-1	<input type="checkbox"/>	E-2	<input checked="" type="checkbox"/>	S-2	<input checked="" type="checkbox"/>	E-3	<input type="checkbox"/>	S-3	<input type="checkbox"/>
E-1	<input type="checkbox"/>	S-1	<input type="checkbox"/>										
E-2	<input checked="" type="checkbox"/>	S-2	<input checked="" type="checkbox"/>										
E-3	<input type="checkbox"/>	S-3	<input type="checkbox"/>										
Date of Screening:	16/11/2022												
Anticipated Project Activities	<ul style="list-style-type: none"> Geometric Improvement Asphalt Pavement Tuff Pavement on Shoulders Pavement Marking Street Lighting Improvement of drainage system 												
Estimated Cost of Subprojects as per PC-1:	215.264 million PKR – PC1 Estimated Cost of ESMP 1333000/-PKR												
Completion Time/Duration	3 Months												
Estimated Labor for Subproject	20-25												

¹⁶ 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.

¹⁷ It is meant as PC-I and/or engineering estimates of sub-project

Screening Questions	Yes	No	Remarks
A. Project Siting Is the Sub-Project area adjacent to or within any of the following:			
Environmentally sensitive areas?			
Legally protected Area		✓	<p>The road to be rehabilitated is a commercial or central business area surrounded by multiple shops, small food outlets, banks and so on. It doesn't come under any environmental sensitive area category. Details are shown hereunder:</p> <ul style="list-style-type: none"> • Not a legally protected area • No surface body found within 250 meters of the proposed project. • No estuary and coastal water body found in the project area • Not a protected area for biodiversity • Not a buffer zone or having mangroves or manmade forest or any other area of environmental importance that sought special attention or measures.
Any surface water body (river, canal, stream, lake, wetland) within 250 meter of the proposed sub project ¹⁸		✓	
Estuarine		✓	
Special area for protecting biodiversity		✓	
Buffer zone of protected area		✓	
Mangroves Forest		✓	
Man-made forest /game reserve, orchid /crops or any other area of environmental importance			
Socially sensitive /important areas/communities/ people?			
PCRs and or any site of cultural/religious importance (Graveyard, Shrine, Mosque, Church, <i>Gordwarah</i> , Temple, Fort, archeological/historical site) within 100 m of the proposed subproject ¹⁹	✓		Mosque and Church were observed within 100 m of the proposed sub-project but these will not be affected by the project activities. Mitigation measures will be provided in the ESMP
Sensitive receptors (Schools, colleges, hospitals and clinics) within 100 meter of the proposed sub project ²⁰	✓		Educational institutes were observed within 100 meters of project site. However, the probability of any negative impact to these sensitive receptors owing to project activities is low.
Any graveyard of local community (Muslims or Christians)		✓	Graveyard of any local community isn't present at the proposed project site
Any demographic or socio-economic aspects of the sub-project area that are already vulnerable (e.g., high incidence of marginalized populations, rural-urban migrants, illegal settlements, squatters, ethnic minorities, people with disabilities, people in old age, socially isolated segments ²¹ of the society and women or children)?		✓	It's a small scale project regarding rehabilitation of existing road surface. Hence, no demographically or socio-economically vulnerable aspects of the sub-project were observed.
Already existing infrastructure ²² (including public amenities) which may be required to dismantle or may be affected temporarily by any means?		✓	<p>The land belongs to MC and all sub-project activities will be carried out there.</p> <p>Similarly, existing road is to be rehabilitated hence, portable items of the shopkeepers will be relocated temporarily.</p> <p>Encroachment in the form of 17 structures was observed in the form of cemented floors, tuft tiles pavements and footsteps that would be dismantled before execution phase. Moreover, one weigh station owned by MC Gojra is over there which covers some portion of the road that will be covered by tuff pavement through design change to avoid dismantling.</p> <p>For the compensation of loss of 17 structures, a detailed ARAP will be developed.</p> <p>20 Electric poles will be shifted as per information given in the PC-I</p>

Screening Questions	Yes	No	Remarks
B. Potential Environmental Impacts Will the Sub-Project cause...			
Disturbance to habitats/biodiversity of environmentally sensitive or protected areas?		✓	The proposed project site doesn't have any environmentally sensitive or protected areas.
Cutting of trees?		✓	No tree cutting is required as per scope of work under Sub-Project.
Disruption to habitats/biodiversity of surrounding ecosystem/environment?		✓	No disruption to any habitat/ecosystem due to any Sub-project activities.
Generation of wastewater during construction or operation?		✓	No wastewater generation is anticipated as per scope of work during execution and operational phase.
Pollution of surface water/ground water due to wastewater discharge from construction site or due to direct/indirect disposal of waste water?		✓	No such impact on surface and ground water is anticipated owing to project execution phase.
Alteration of surface water hydrology of waterways resulting in increased sediment in streams/rivers or due to increased soil erosion at construction site?		✓	No alteration of any waterway involved in the scope of Sub-Project.
Deterioration of surface water quality due to silt runoff and sanitary wastes from worker-based camps and chemicals used in construction?		✓	No labor camps are required to be established as per limited work activities under Sub-Project. However, EHS SOPs developed by PMDFC will be strictly ensured to be followed
Over pumping of ground water, leading to salinization and ground subsidence?		✓	Over pumping of ground water is not required for this sub project.
Serious contamination of soil due to construction works?		✓	No such impact is expected as per scope of work
Aggravation of solid waste problems in the area?	✓		No such impact is expected as per scope of work. However, mitigation plan is proposed to tackle generated waste.
Generation of hazardous waste?		✓	Not envisaged
Increased air pollution due to sub-project construction and operation?	✓		Suspended dust particles during execution phase might pollute the surrounding air. Hence, water sprinkling at the site is proposed.
Noise and vibration due to sub-project construction or operation?	✓		Minor impact of noise and vibration owing to movement of heavy vehicles is envisaged during execution phase.
Creation of temporary breeding habitats for diseases such as those transmitted by mosquitoes and rodents due to solid/liquid?		✓	No such impact is anticipated as probability of liquid waste is low. However, waste bins at the site would be placed for storage of organic waste if any.
Use of chemicals during construction?		✓	In the light of sub-project scope, no hazardous chemical will be used during execution phase.
C: Potential Social Impacts Will the Sub-Project cause...			
Impairment of historical/cultural areas; disfiguration of landscape or potential		✓	No damage or loss to PCR's is expected due to this sub project.

¹⁸ Ibid.

¹⁹ According to Environmental Assessment Guidelines adopted by Punjab EPA

²⁰ Ibid.

²¹ due to caste, creed, religion or gender e.g. transgender

²² Sewerage /Drainage system, Water supply lines, tube-wells, WAPDA/Telephone transmission lines/electric poles, Railway tracks, Gas pipelines, Roads, Shops/Plazas, Banks, Industry, Disposal stations etc.

Screening Questions	Yes	No	Remarks
loss/damage to Physical Cultural Resources (PCRs)?			
Displacement or involuntary resettlement of people? (physical displacement and/or economic displacement) (If “Yes”, please also fill Involuntary Resettlement Screening Checklist)		✓	No significant displacement/ any sort of resettlement/ economic loss is envisaged due to any Sub-Project interventions. However, minor encroached surfaces of shops might be dismantled during execution phase. Hence, ARAP to compensate the economic losses would be prepared.
Disproportionate impacts on the poor, women and children and or other vulnerable groups ²³ (mentioned above)?		✓	No Disproportionate impacts on the poor, women and children and or other vulnerable groups are anticipated during execution phase
Temporary impediments in movements of people/transport and animals?	✓		There will be temporary hindrance in the movement of traffic and pedestrians during execution phase of the project. Nearby shop owners have been informed during public consultation phase.
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)?		✓	It's a small-scale time framework project so population influx or increased burden on social infrastructure and services will not be effected.
Social conflicts if workers from other areas are hired?		✓	Preference will be given locals for work to avoid any conflict.
Risks and vulnerabilities related to occupational health and safety (OHS) due to physical, chemical, biological, and radiological hazards during project construction and operation?	✓		Measures would be taken to address or alleviate the probability of OHS risk during execution phase through administrative controls. However, stringent SOPs regarding actualization of PPEs during execution phase will be implemented at the proposed project site.
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?		✓	Likelihood of such risks and hazards is low as per the scope of the project.
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?	✓		To avoid unfortunate events, site safety should be implemented in true spirit in the form of signages, reflective tapes awareness boards by the contractors and so on.
Any impact on sensitive receptors (mentioned above)		✓	No significant impact is anticipated during execution phase. However, water sprinkling would be ensured to tackle the suspended dust particles.
Any impact of negative nature on already existing infrastructure including public amenities	✓		There is no major significant impact expected to any public infrastructure owing to project activities except the only weigh station that covers some of the road portion. Moreover, minor encroached areas might be affected during construction of storm water drain and affected

²³ Women, Children, Women headed households, People in old age, people having disabilities, socially isolated community groups and or people living below the poverty line

Screening Questions	Yes	No	Remarks
			persons (APs) will be compensated for that through ARAP. In addition, access to business would be temporarily disturbed; already informed during public consultation phase. In the long run, this project is in the favor of local community and they are willing to corporate and wanted MC to get this project completed in a timely manner.

Prepared By:

Name: Haider Ali

Designation : Consultant

Signature:



Date: 16-11-2022

Reviewed By:

Name: Asif Gillani

Designation DPO PMDFC

Signature:

Date:

Endorsed By:

Name:

Designation MOI&S

Signature:

Date:

INVOLUNTARY RESETTLEMENT SCREENING CHECKLIST

Name of City/MC/LG: MC Gojra

ESFP: Asad MOP

Sub-Project Sector: Roads

Sub-Project Title: Rehabilitation of Gojra-Toba Road

Sub- Project Categorization: S-1 ☐ S-2 ☒ S-3 ☐

Date of Screening: 16 -11-2022

SECTION I	Yes	No	Expected	Remarks
Does the project require land acquisition? Yes/No	✓			Land acquisition is required for this project. Ramps and footsteps are found within RoW and to be dismantle for which an ARAP will be developed to compensate the loss of structures. One weight station owned by MC but further on lease which will not be dismantled or shifted rather design change will cover that portion with tuff pavements.
If yes, then describe the type of land being acquired from the categories below:				
Has any AED been conducted at the proposed location by the government? Yes/No		✓		No AED has been conducted at the proposed project location by MC and it was confirmed during public consultation
Land (Quantify and describe types of land being acquired in "remarks column".		✓		Not applicable
Government and LG owned land free of occupation (agriculture or settlement)		✓		Sub-project site under possession of MC and free from all sort of settlements. Shops for commercial activities over there also belong to MC Gojra.
Government or state-owned land (other than LG) free of occupation (agriculture or settlement)		✓		
Private land		✓		
Residential		✓		
Commercial		✓		
Agricultural		✓		
Communal		✓		
Others (specify in "remarks").		✓		
Name of owner/owners and type of ownership document if available.		✓		MC Gojra owns the land for Sub-Project.
If land is being acquired, describe any structures constructed on it		✓		Ramps and footsteps are found within RoW and to be dismantle for which ARAP will be developed to compensate the loss of structure

SECTION I	Yes	No	Expected	Remarks
Land-based assets:				Not Applicable
Residential structures		✓		
Commercial structures (specify in “remarks”)		✓		
Community structures (specify in “remarks”)		✓		
Agriculture structures (specify in “remarks”)		✓		
Public utilities (specify in “remarks”)		✓		Ramps and footsteps are found within RoW and to be dismantled
Others (specify in “remarks”)		✓		Not applicable
If agricultural land is being acquired, specify the following:				The proposed project site is a commercial zone and belongs to MC Gojra. Hence, no agriculture land is required under sub-project.
Agriculture related impacts		✓		Not Applicable
Crops and vegetables (specify types and cropping area in “remarks”).		✓		
Trees (specify number and types in “remarks”).		✓		
Others (specify in “remarks”).		✓		
Affected Persons (APs)			✓	No significant impact to APs. Only encroached footsteps and cemented structure need to be dismantled owing to project activity, which will be compensated through ARAP before start of civil work.
Will any people be displaced from the land when acquired? Yes/No		✓		Not Applicable
Number of APs		✓		
Males		✓		
Females		✓		
Titled landowners		✓		
Tenants and sharecroppers		✓		
Leaseholders		✓		
Agriculture wage laborers		✓		
Encroachers and squatters (specify in remarks column)			✓	No squatters observed. Encroached structures would be compensated. Displayed portable items outside the shops can be moved and for that no compensation is required. This aspect has been discussed during public consultation phase.
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 vulnerable APs identified.

SECTION I	Yes	No	Expected	Remarks
Others (specify in "remarks")		✓		Not applicable
How will people be affected?			✓	Construction of storm water drain can temporarily disturb the business activities. This aspect has been covered and communicated to the public during public consultation phase and mitigation provided in the ESMP.

¹ The sub-projects have to avoid all locations where any government led AED has been conducted.

Prepared By:

Name: Haider Ali

Designation: Consultant

Signature:

Date: 16-11-2022



Reviewed By:

Name:

Designation: DPO ESM

Signature:

Date:

Endorsed By:

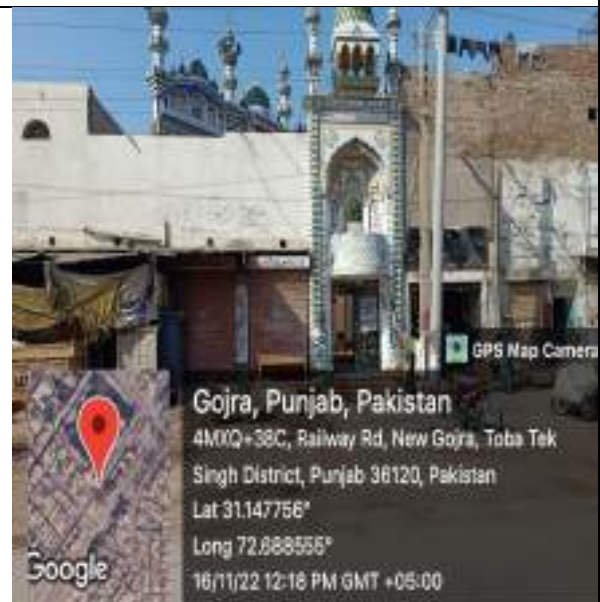
Name:

Designation: MOP

Signature:

Date:

Pictures of Project Siting





Annexure II: COVID-19 Pandemic and Health Safety Measures

Given the unprecedented nature of the COVID-19 pandemic, contractors are bound to take all necessary precautions to maintain the health and safety related measures at site and to ensure suitable arrangements regarding hygiene requirements for the prevention of pandemic.

Following are the measures that should be implemented at the construction site to avoid the spread of Covid-19:

Activities	Adaptive Measures
Pre- Execution Phase	
A. Profile preparation	<ul style="list-style-type: none">• Detail profile of project workforce• Enlist the names, addresses and contact #• Breakdown of the workforce (workers from local communities and those who have on site accommodation)• Assigning the task against each person• Schedule the key activities and their duration at site
B. Initial Screening	<ul style="list-style-type: none">• All enlisted workforce should go through initial screening process• Ensuring the availability of Thermo-gun at site• Record keeping against initial screening• Identifying all workers who are initially at more risk of contracting Covid-19
During Execution Phase	
A. Preliminary Screening	<p>Regular Screening:</p> <ul style="list-style-type: none">• Regular screening by using Thermogun on daily basis before starting civil work at site• Checking and recording temperatures of workers and other people entering the site or requiring self-reporting prior to or on entering the site.• If a worker has symptoms of COVID-19 (e.g. fever, dry cough, fatigue) the worker should be removed immediately from work activities and isolated on designated site.• Co-workers (i.e. workers with whom the sick worker was in close contact) should be required to stop work, and to quarantine themselves for 14 days, even if they have no symptoms. <p>Sequential Screening:</p>

Activities	Adaptive Measures
	Concerned DHQ medical staff is requested for screening at regular intervals. List should also be shared with DHQ for avoiding future inconvenience or hire health safety officer on weekly basis.
B. Special Arrangements regarding PPEs	<ul style="list-style-type: none"> • Ensuring availability of handwashing facilities (sanitizers/soaps) at site • Presence of closed waste bins at key places throughout site, including at entrances/exits to work areas (toilet, canteen or food distribution, or provision of drinking water; in worker accommodation; at waste stations; at stores; and in common spaces). • Special arrangements regarding PPEs and sanitation at site • Record keeping of stock availability on daily basis
C. Restricted Movement/ Demobilization of staff	<ul style="list-style-type: none"> • Encourage employees to wash their hands at least for 20 seconds with soap and stay at least one meter away from people who are coughing or sneezing • Breakdown of workers who reside at home (i.e. workers from the communities), workers who lodge within the local communities and workers in on-site accommodation. Workers accommodated on site should be required to minimize contact with people near the site, and in certain cases be prohibited from leaving the site for the duration of their contract, so that contact with local communities is avoided. • Workers from local communities, who return home daily, weekly or monthly, will be more difficult to manage. They should be subject to health checks at entry to the site (as set out above) and at some point, circumstances may make it necessary to require them to either use accommodation on site or not to come to work. • All workers should be provided separate accommodation.
D. Training sessions	<ul style="list-style-type: none"> • Health and safety training for Contractor's Personnel (which include project workers and all personnel that the Contractor uses on site, including staff and other employees of the Contractor and Subcontractors and any other personnel assisting the Contractor in carrying out project activities. • Sessions related to safety procedures, use of construction PPEs, occupational health and safety issues, and code of conduct specially privacy issues including social distancing. • Arranging daily briefings with workforce, reminding workers to self-monitor for possible symptoms (fever, cough) and to report to their

Activities	Adaptive Measures
	<p>supervisor or the COVID-19 focal point if they have symptoms or are feeling unwell.</p> <ul style="list-style-type: none"> • Placing posters and sign boards around the site in local languages. • Appointing one person on daily basis among the workforce who will serve as trainer for conducting awareness session and encouraging the rest to take preventive measures.
E. Operationalization of Grievance Redress Mechanism	<ul style="list-style-type: none"> • Effective implementation of GRM at site • Encouraging to report any COVID-19 related health issue and concerns about the health of their co-workers and other staff as well. • In case of unavailability of the PPEs at site, grievance would be lodged directly to PMU.
F. Role of PMU	<ul style="list-style-type: none"> • PMU is required to arrange regular meetings with Contractors and workforce to monitor all procedural implementation of COVID-19 prevention related mechanism. • Arrange meeting with concerned DHQs for immediate support and guidance in case of emergency. <p>During inspection visit by PMU Staff, If a worker is found to has symptoms of COVID-19, the worker should be removed immediately from work activities and isolated on designated site.</p>
Post Execution Phase	
A. Post Screening	<ul style="list-style-type: none"> • Screening should be done at the end of the day on daily basis, if a worker is found to have any symptoms of COVOD-19, he should be immediately reported to concerned health department.
B. Cleaning and waste disposal	<ul style="list-style-type: none"> • All waste (PPEs and sanitation related) shall be disposed of properly at designated sites.

Annexure III: Public Consultation Form

Punjab Crisis Program (PCP)

Public Consultation Form

PUBLIC CONSULTATION FORM

1- Title of the sub-project

Rehabilitation of P-5 Gojra Toba Road

2- Location of the sub-project

Routing road, Gojra, Toba Tek Sigh

3- Name of the person interviewed

CNIC #

Basharat Ali

4- Occupation of the person

Steel vendor/worker - Shopkeeper

5- Remarks regarding the proposed sub-project

We are in favor of the road rehabilitation project. We will support this initiative and move one material during execution phase.



Signature of interviewer



Signature of person interviewed

PUBLIC CONSULTATION FORM

1- Title of the sub-project

Rehabilitation of P-1 Gōra Toba Road

2- Location of the sub-project

Rahay road, Gōra, Toba Tek Singh

3- Name of the person interviewed

CNIC #

Abed Ali

4- Occupation of the person

Sanitary worker - Shepharai

5- Remarks regarding the proposed sub-project

We support the road rehabilitation project and it's also requested to cover the open drain along the road site during execution of the project.



Signature of interviewer



Signature of person interviewed

PUBLIC CONSULTATION FORM

1- Title of the sub-project

Rehabilitation of Mission ke Mangi road

2- Location of the sub-project

Mission road, Mehdi Mehallah Gajra

3- Name of the person interviewed

CNIC #

M. Afzal

4- Occupation of the person

Security guard

5- Remarks regarding the proposed sub-project

I have had a long career as a security guard in this school. Poor road conditions & harmful road dust have a negative influence on my health. At times, it's very difficult to breathe in this polluted air. I strongly welcome this initiative and highly thankful to MC Gajra and the team for consulting me. my Afzal



Signature of interviewer

Signature of person interviewed

PUBLIC CONSULTATION FORM

1- Title of the sub-project

Rehabilitation of Mission & Mongi road

2- Location of the sub-project

Mission road, Meludi Mithalla Gajra

3- Name of the person interviewed

CNIC #

Kazim

4- Occupation of the person

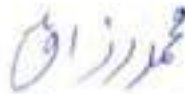
Cloth vendor

5- Remarks regarding the proposed sub-project

One of the primary factors harming our health is the air pollution caused by bad condition of the road. We firmly endorsed this initiative because it will prevent our health drastically degrading.



Signature of interviewer



Signature of person interviewed

PUBLIC CONSULTATION FORM

1- Title of the sub-project

Rehabilitation of P-1 Gajra Toba Road

2- Location of the sub-project

Linkway road, Gajra, Toba Tek Singh

3- Name of the person interviewed

CNIC #

Muhammad Ali

4- Occupation of the person

Sanitary work - shopkeeper

5- Remarks regarding the proposed sub-project

It is very difficult to breathe in the polluted air. I have to wear mask all the time due to dust particles in the surrounding. This rehabilitation project might alleviate this issue. Hence, I support the project.

Signature of interviewer

Signature of person interviewed

PUBLIC CONSULTATION FORM

1- Title of the sub-project

Rehabilitation of P-1 Gōra Toba Road

2- Location of the sub-project

Railway road, Gōra, Toba Teh. Singh

3- Name of the person interviewed

CNIC #

Saleem

4- Occupation of the person

Road works shopkeeper

5- Remarks regarding the proposed sub-project

One of the major contributors damaging our health is the polluted air owing to poor road condition. We strongly endorse the rehabilitation of this road and ensure full support in this regard. This will have positive impact on our health.

Signature of interviewer

Signature of person interviewed

PUBLIC CONSULTATION FORM

- 1- Title of the sub-project

Improvement of road Gajra towards Thang road

- 2- Location of the sub-project

Gajra - Thang road

- 3- Name of the person interviewed

CNIC # 0347-6731296

Abdul Shakoor

- 4- Occupation of the person

Local Inhabitants

- 5- Remarks regarding the proposed sub-project

→ Tuff tile laying needs to be part of sub-project.

- Construction of dual carriageway is need of the hour for public road safety.

Signature of interviewer

Signature of person interviewed

/shakoor

PUBLIC CONSULTATION FORM

1- Title of the sub-project

Improvement of road Gojra towards Thung

2- Location of the sub-project

Gojra - Thung road

3- Name of the person interviewed

CNIC # 0324-1660256

Abdul Ghaffar

4- Occupation of the person

SRO - Model Police Station Sadhar Gojra

5- Remarks regarding the proposed sub-project

- Landscaping needs to be part of Sub-project
- Road lights required
- Tuff tile needs to be part of sub-project

Signature of interviewer

Signature of person interviewed

PUBLIC CONSULTATION FORM

1- Title of the sub-project

Improvement of road Gajra toward Thang road.

2- Location of the sub-project

Gajra - Thang road.

3- Name of the person interviewed

M. FURQAN KHAN

CNIC# 03000509128

4- Occupation of the person

(Admin officer
THQ Hospital Gajra.)

MS. THQ

5- Remarks regarding the proposed sub-project

⇒ Connection of sewer with main line required.
⇒ U-turn needs to be provided in front of
hospital.

⇒ Ramps needs to provided in front of across
hospital to reduce traffic space.

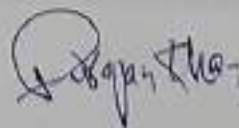
⇒ Road lights needs to be installed.

⇒ Tuff tile needs to be part of sub-project.

Signature of interviewer



Signature of person interviewed



Annexure IV: List of Persons Consulted

Sr. No	Name	Designation	Department
Technical Discussion			
1.	Iftikhar Rasool	Deputy Project Director	PMDFC
2.	Ishtiaq Gondal	Chief Officer	MC Gojra
3.	M. Rafiq	MOI	MC Gojra
4.	M. Shahrukh	MOI	MC Gojra
5.	Nabeel	Sub-Engineer	MC Gojra
6.	Tehmina Kiran	PO-ESM	PMDFC
7.	Asif Gillani	DPO-ESM	PMDFC
8.	Ashiq Chaudhary	SPO-ID	PMDFC
9.	M. Alaudin	DPO-ID	PMDFC
10.	Mudassir Ashraf	DPO-ID	PMDFC
Communities Consultation			
1.	Basharat	Steel vendor	MC – Gojra (Gojra Toba)
2.	Asad Ali	Sanitary works	
3.	M. Afzal	Security guard	
4.	Razaq	Cloth vendor	
5.	Murad Ali	Sanitary works	
6.	Saleem	Wood works	
7.	Abdul Ghaffar	SHO – Sadar Thana	
8.	Abdul Shakoor	Inhabitant	
9.	Furqan Khan	Admin Officer THQ	

Annexure V: Personal Protective Equipment According to Hazard²⁴

Objective	Workplace Hazards	Suggested PPEs
Eye and face protection	Flying particles, molten metal, liquid chemicals, gases or vapors, light radiation.	Safety Glasses with side-shields, protective shades, etc.
Head protection	Falling objects, inadequate height clearance, and overhead power cords.	Plastic Helmets with top and side impact protection.
Hearing protection	Noise, ultra-sound.	Hearing protectors (ear plugs or ear muffs).
Foot protection	Falling or rolling objects, pointed objects. Corrosive or hot liquids.	Safety shoes and boots for protection against moving & falling objects, liquids and chemicals.
Hand protection	Hazardous materials, cuts or lacerations, vibrations, extreme temperatures.	Gloves made of rubber or synthetic materials (Neoprene), leather, steel, insulating materials, etc.
Respiratory protection	Dust, fogs, fumes, mists, gases, smokes, vapors.	Facemasks with appropriate filters for dust removal and air purification (chemicals, mists, vapors and gases). Single or multi-gas personal monitors, if available.
	Oxygen deficiency	Portable or supplied air (fixed lines). On-site rescue equipment.
Body/leg protection	Extreme temperatures, hazardous materials, biological agents, cutting and laceration.	Insulating clothing, body suits, aprons etc. of appropriate materials.

²⁴ Source: IFC Environmental, Health, and Safety (EHS) Guidelines

Annexure VI: Chance Find Procedures (CFPs)

Chance find procedures which will be used during this Project are as follows:

- Stop the construction activities in the area of the chance find;
- Delineate the discovered site or area;
- Secure the site to prevent any damage or loss of removable objects. In cases of removable antiquities or sensitive remains, a night guard shall be present until the responsible local authorities and the Ministry in charge of Department of Archaeology take over;
- Notify the supervisory Engineer who in turn will notify the responsible local authorities and the Ministry immediately (within 24 hours or less);
- Responsible local authorities and the Ministry in charge of Department of Archaeology would oversee protecting and preserving the site before deciding on subsequent appropriate procedures. This would require a preliminary evaluation of the findings to be performed by the archaeologists of the Department of Archaeology and Museums (within 72 hours). The significance and importance of the findings should be assessed according to the various criteria relevant to cultural heritage; those include the aesthetic, historic, scientific or research, social and economic values;
- Decisions on how to handle the finding shall be taken by the responsible authorities and the Ministry in charge of Department of Archaeology. This could include changes in the layout (such as when finding an irremovable remain of cultural or archaeological importance) conservation, preservation, restoration and salvage;
- Implementation for the authority decision concerning the management of the finding shall be communicated in writing by the Ministry in charge of Department of Archaeology; and
- Construction work could resume only after permission is given from the responsible local authorities and the Ministry in charge of Department of Archaeology concerning safeguard of the heritage.

These procedures will be referred to as standard provisions in construction contracts, when applicable. During project supervision, the Site Engineer will monitor the above regulations relating to the treatment of any chance find encountered are observed.