

**GOVERNMENT OF KHYBER PUKHTUNKHWA
IRRIGATION DEPARTMENT**



**“Flood and Erosion Protection Arrangement of Villages /
Abadies of Moza Shah Nawaz, Jhoke Basharat Etc, and
Agricultural Land along Left Bank of Indus River in
District D.I.Khan (Phase-II Long Term Arrangement)”**

**Bidding Document
(Volume-I)**

**EXECUTIVE ENGINEER
FLOOD DIVISION D.I.KHAN**

January 2025



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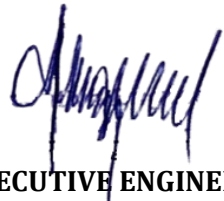
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INVITATION FOR BIDS

AMMENDMENT.

N.I.T published in the Daily Newspaper Mashriq and Aitadal dated 10/01/2025 for the work "Flood and Erosion Protection Arrangement of Villages / Abadies of Moza Shah Nawaz, Jhoke Basharat Etc, and Agricultural Land along Left Bank of Indus River in District D.I.Khan (Phase-II Long Term Arrangement) ADP No.1867/220742 (2024-25 New)". Sub Work: - Flood Protection Marginal Bund Arrangement is hereby amended as under. The amount of Earnest Money, Tender Fee & Stamp Duty Clubbed, which is required separately while the Tender fee is non-refundable to all bidders. Hence, the CDR regarding Tender fee should be prepared separately in the name of Executive Engineer Flood Division D.I.Khan as per break up given below:-

| S:NO. | Total Estimated cost of the work | Rs. 953.181 (M) | Remarks |
|--------------|---|------------------------|----------------|
| i | 2% E/Money on Estimated Cost of | Rs. 19.064 (M) | |
| ii | Tender fee @0.03% on estimated cost | Rs. 0.286 (M) | Non-Refundable |
| lii | Stamp Duty @18750/- | Rs. 0.019 | |
| Total | | Rs. 19.369 (M) | |


EXECUTIVE ENGINEER

**GOVERNMENT OF KHYBER PAKHTUNKHWA
IRRIGATION DEPARTMENT
NOTICE INVITING E-BIDDING**

Irrigation Department (Flood Division DIKhan) Government of Khyber Pakhtunkhwa invites electronic bids **single stage two envelopes** from the eligible Firms/Bidders in according with KPPRA procurement prevailing rules 2014 for the following work. (The registered contractors/ Firms, who have renewed their registration / license with the Provincial Works Department Khyber Pakhtunkhwa and Pakistan Engineering Council for the year 2024-25).

| S.# No. | Name of Work & Name of Sub work | Estimated Cost Rs (M) | 2% E/Money + Stamp Duty Tender fee Rs. (M) | Required PEC Category | Last date /time of submission of Tender Forms | Time limit |
|---------|--|-----------------------|--|----------------------------|---|---|
| | ADP (2024-2025) SCHEME NO.1867/220742". FLOOD AND EROSION PROTECTION ARRANGEMENT OF VILLAGES / ABADIES OF MOZA SHAH NAWAZ, JHOKE BASHARAT ETC, AND AGRICULTURAL LAND ALONG LEFT BANK OF INDUS RIVER IN DISTRICT D.I. KHAN (PHASE-II LONG TERM ARRANGEMENT). Sub Work:- Flood Protection Marginal Bund Arrangement. | 953.181 | 19.369 | CE-04 (Minimum) | 27/01/2025 Time 3:00PM & will be opened at 3:30 PM | As per work Order/ BOQ |

TERMS AND CONDITIONS:-

- Bid Solicitation Documents containing all the terms and conditions and other relevant instructions for the work can be downloaded from the department and or KPPRA websites (www.irrigation.gkp.pk) / (www.kppra.gov.pk).
- Bid Solicitation Documents contains mandatory requirements to be fulfilled in order for bidder to be eligible to participate. The bidders are required to agree to all terms & conditions of bidding documents.
- Electronic bidding shall be done on "above / below system" on BOQ / Engineer's estimate.
- The bidder shall submit their bids on the following address Executive Engineer Flood Division D.I.Khan only through leading / reliable Courier Service on or before the deadline along with required documents as per details mentioned in Bid Solicitation Documents. The labels of the Courier Service provider may be authenticated for tracking before opening. Fake Courier delivery shall be processed as per law and would not be considered.
- The bidders are required to quote their rates above or below on BOQ both on MRS-2024 1st Bi Annual as well as non MRS components.
- The bidders shall submit 02% bid security of the estimated cost as mentioned above, in the shape of deposit at call (Original) enclosed along with their bids before closing date and time in the name of Executive Engineer Flood Division D.I.Khan.
- The bidders who quote their bids / rates more than 10% below on Engineer's Estimate shall submit along with their bids additional security as per KPPRA Notification No. S.R.O (14)/Vol:1-24/2021-22, dated 10-05-2022.
- Notifications issued by KPPRA pertaining to procurement process issued from time to time shall be applicable.
- The work is most important nature for the protection of Village Abadies, Govt: infrastructures and Agriculture Land will be executed continuously in all over the season if funds are irrespective of the funds availability.
- Any variation occurred after detailed survey and conducting of physical Model Study shall be incorporated through variation order / technical sanction for physical completion of the scheme, as Tender are invited on the direction of Secretary to Govt: of Khyber Pakhtunkhwa Irrigation Department Peshawar on emergent basis (as per requirement of the site) received through Deputy Director (Civil) letter No. P.M.C/ADP/2025, dated 06/01/2025.
- If the evaluated electronic bid costs of two or more bidders are equal, then the successful bidder will be declared through draw / toss.
- The last date & time for Submission of the Bid along with relevant documents is **27/01/2025** up to **3:00 P.M** which will be opened on the same day at **03:30 P.M** in the Executive Engineer Flood Division D.I.Khan in presence of Contractors and their representatives who wishes to attend.
- Bid security of 1st, 2nd and 3rd lowest bidders will be retained by the employer till the approval of bids by the competent Authority.
- Funds release depends upon policy of Provincial Government; hence payment will be made accordingly. Bidders / Contractors agreeing with the financial constraints in respect of payment etc are at liberty to participate in the instant E-Bidding as no claim whatsoever will be entertained in this regard. It is further added that work on the project shall be kept continued irrespective of the fund release, being time bound and flood protective work.
- All Government notifications / rules / taxes implemented from time to time shall be applicable.
- Pre-Bid Meeting will be held on 17/01/2025 in the office of Executive Engineer Flood Division D.I. Khan at 2.00PM


EXECUTIVE ENGINEER
Flood Division DIKhan

INSTRUCTIONS TO BIDDERS

A. GENERAL

IB.1 Scope of Bid

- 1.1 The Procuring Entity as defined in the Bidding Data hereinafter called “the Procuring Entity” invites bids for the construction and completion of works as described in these Bidding Documents, and summarized in the Bidding Data hereinafter referred to as the “Works”.
- 1.2 The successful bidder will be expected to complete the Works within the time specified in Appendix-A to Bid.

IB.2 Source of Funds

- 1.1.1 The expenditure on this project will be met from the Public Funds of the Provincial Government of Khyber Pakhtunkhwa (GoKP) through its annual development program, **ADP No.1867/220742 (2024-25 New)**

IB.3 Eligible Bidders

- 3.1 This Invitation for Bids is open to all bidders meeting the following requirements:
 - a. Duly licensed by the Pakistan Engineering Council (PEC) in the category C-2 & above. In case of Joint Venture, Lead member must be registered with PEC in Category C-2 & above. Whereas JV Member must also be registered with PEC.
 - b. Enlisted with the Procuring Entity in the category relevant to the value of the Works.**
 - c. Is neither associated, nor has been associated, directly or indirectly, with the Consultants or any other entity that has prepared the design, specifications and other documents for the Project or being proposed for any position in the Project Management.
- 3.2 A bidder having a conflict of interest will be declared as non-responsive if the bidder has a close business relationship with the Procuring Entity’s professional personnel, who directly or indirectly involved in any part of: (i) the preparation of the bidding documents for the Works, (ii) the Bid evaluation or (iii) the supervision of such Works.

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 bidders shall bear all costs associated with the preparation and submission of their respective bids and the Procuring Entity 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 will be granted permission by the Procuring Entity to enter upon his premises and lands for the purpose of such inspection, but only upon the express condition that the bidders, their personnel and agents, will release and indemnify the Procuring Entity, 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. BIDDING DOCUMENTS

IB.7 Contents of Bidding Documents

- 7.1 The Bidding Documents, in addition to invitation for bids, 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.
 3. General Conditions of Contract, Part-I (GCC).
 4. Particular Conditions of Contract, Part-II (PCC).
 5. Specifications – Special Provisions.
 6. Specifications - Technical Provisions.
 7. Form of Bid & Appendices to Bid.
 8. Bill of Quantities (Appendix-D to Bid).
 9. Form of Bid Security.
 10. Form of Contract Agreement.
 11. Forms of Performance Security and Mobilization Advance Guarantee/Bond.
 12. Drawings.
- 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 Bidding Documents will be rejected.

IB.8 Clarification of Bidding Documents

- 8.1 Any prospective bidder requiring any clarification (s) in respect of the Bidding Documents may notify the Procuring Entity in writing at the Procuring Entity's address indicated in the Invitation for Bids. The Procuring Entity will respond to any request for clarification which he receives earlier than (28) days prior to the deadline for submission of bids.

Copies of the Procuring Entities 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 Bidding Documents

- 9.1 At any time prior to the deadline for submission of bids, the Procuring Entity may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective bidder, modify the Bidding Documents by issuing addendum.
- 9.2 Any addendum thus issued shall be part of the Bidding Documents pursuant to Sub-Clause 7.1 hereof and shall be communicated in writing to all purchasers of the Bidding Documents. Prospective bidders shall acknowledge receipt of each addendum in writing to the Procuring Entity.
- 9.3 To afford prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the Procuring Entity may extend the deadline for submission of bids in accordance with Clause IB.20

C. PREPARATION OF BIDS

IB.10 Language of Bid

- 10.1 The bid and all correspondence and documents related to the bid exchanged by a bidder and the Procuring Entity shall be in the bid language stipulated in the Bidding Data and Particular Conditions of Contract. 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 bid language, in which case, for purposes of evaluation of the bid, the translation in bid language 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 Price 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 joint venture of two (2) or more firms shall comply with the following requirements:
- (a) In case of a successful bid, the Form of Contract Agreement shall be signed so as to be legally binding on all partners within 7 days of the receipt of letter of acceptance
 - (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 Procuring Entity regarding all matters related with and/or incidental to the execution of Works as per the terms and Conditions of Contract 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 Contract Agreement (in case of a successful bid); and
 - (e) A copy of the agreement entered into by the joint venture partners shall be submitted with the bid stating the conditions under which it 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. No amendments / modifications whatsoever in the joint venture agreement shall be agreed to between the joint venture partner without prior written consent of the Procuring Entity.

- 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

I-5

- 12.1 Unless stated otherwise in the Bidding 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 Procuring Entity 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, as on the date 28 days prior to the deadline for submission of bids shall be included in the rates and prices and the total Bid Price submitted by 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 after the Date of Bid Opening specified in Clause IB.23.
- 14.2 In exceptional circumstances, prior to expiry of the original bid validity period, the Procuring Entity 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. 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 in Pak Rupees or an equivalent amount in a freely convertible currency
- 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 Procuring Entity valid for a period 28 days beyond the Bid Validity date.

- 15.3 Any bid not accompanied by an acceptable Bid Security shall be rejected by the Procuring Entity as non-responsive.
- 15.4 The bid securities of unsuccessful bidders will be returned as promptly as possible, but not later than 28 days after the expiration of the period of Bid Validity.
- 15.5 The Bid Security of the successful Bidder will be returned when the Bidder has furnished the required Performance Security 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 Security, 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

- 16.1 Should any bidder consider that he can offer any advantages to the Procuring Entity by a modification to the designs, specifications or other conditions, he may, in addition to his bid to be submitted in strict compliance with the Bidding Documents, submit any Alternate Proposal(s) containing (a) relevant design calculations; (b) technical specifications; (c) proposed construction methodology; and (d) any other relevant details / conditions, provided always that the total sum entered on the Letter of Price Bid shall be that which represents complete compliance with the Bidding Documents. The technical details and financial implication involved are to be submitted in two separate sealed envelopes as to be followed in main bid proposals.
- 16.2 Alternate Proposal(s), if any, of the lowest evaluated responsive bidder only may be considered by the Procuring Entity as the basis for the award of Contract to such bidder.

IB.17 Pre-Bid Meeting

- 17.1 The Procuring Entity 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 Bidding Documents or any other matter that may be raised at that stage. The date, time and venue of pre- bid meeting, if convened, is as stipulated in the Bidding Data. 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 Procuring Entity not later than seven (7) days before the proposed pre-bid meeting.

- 17.3 Minutes of the pre-bid meeting, including the text of the questions raised and the replies given, will be transmitted without delay to all purchasers of the Bidding Documents. Any modification of the Bidding Documents listed in Sub-Clause 7.1 hereof which may become necessary as a result of the pre-bid meeting shall be made by the Procuring Entity 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.

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 Bidding Documents.
- 18.2 All appendices to Bid are to be properly completed and signed.
- 18.3 No alteration is to be not 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 (in the case of copies, Photostats are also acceptable) and shall be signed by a person or persons duly authorized to sign on behalf of the bidder pursuant to Sub- Clause 11.1(a) hereof. All pages of the bid shall be initialed and stamped by the person or persons signing the bid.
- 18.6 The bid shall contain no alterations, omissions or additions, except to comply with instructions issued by the Procuring Entity, or as are necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person or persons signing the bid.
- 18.7 Bidders shall indicate in the space provided in the Letter of Technical and Price 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

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.
- 19.2 The inner and outer envelopes shall
- (a) Be addressed to the Procuring Entity 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; and
 - (c) Provide a warning not to open before the time and date for bid opening, as specified in the Bidding Data.
- 19.3 In addition to the identification required in Sub- Clause 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 Procuring Entity will assume no responsibility for the misplacement or premature opening of the Bid.

IB.20 Deadline for Submission of Bids

- 20.1 (a) Complete Bids must be received by the Procuring Entity 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 Procuring Entity 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 Procuring Entity 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 Procuring Entity 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 or due to any other reason, 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, Substitution and Withdrawal of Bids

- 22.1 Any bidder may modify, substitute or withdraw his bid after bid submission provided that the modification, substitution or written notice of withdrawal is received by the Procuring Entity prior to the deadline or the extended deadline, for submission of bids.
- 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 Sub-Clauses 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 PROCEEDURE)

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 Price 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 Price 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 Price 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 Price 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. Price 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 (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 Price Bids. The date, time, and location of the opening of Price Bids will be advised in writing by the Employer. Bidders shall be given reasonable notice for the opening of Price 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 Price Bids unopened before inviting others, who are determined as being qualified, to attend the opening of Price Bids.
- 23.10 The Employer shall conduct the opening of Price Bids of all Bidders who submitted substantially responsive Technical Bids, publically 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 Price 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 Price Bids and discounts, read out and recorded during the opening of Price Bids shall be considered for evaluation. No Bid shall be rejected at the opening of Price Bids.

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 the final result of the bid evaluation which shall be done at least ten (10) days prior to issue of Letter of Acceptance and place the same on its and Authority Website (KP-PPRA Rule-45). 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 Procuring Entity`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 Fifteen (15) 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 Procuring Entity 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 Procuring Entity 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 Procuring Entity 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 and (iv) conforms to all the terms, conditions and specifications of the Bidding Documents, without material deviation or reservation. A material deviation or reservation is one (i) which affect in any substantial way the scope, quality or performance of the Works; (ii) which limits in any Substantial way, inconsistent with the Bidding Documents, the Procuring Entity's rights or the bidder's obligations under the Contract; or (iii) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids.
- 26.3 If a bid is not substantially responsive, it will be rejected by the Procuring Entity and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

IB.27 Correction of Errors

- 27.1 Bids determined to be substantially responsive will be checked by the Procuring Entity for any arithmetic errors. Errors will be corrected by the Procuring Entity 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 Procuring Entity 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 Form of Bid will be adjusted by the Procuring Entity 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 Sub-Clause 15.6(b) hereof.

IB.28 Evaluation and Comparison of Bids

- 28.1 The Procuring Entity 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 Procuring Entity 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, including discounts or other price modification in the bids.
- 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 unbalanced in relation to the Procuring Entity's estimate of the cost of work to be performed under the Contract, the Procuring Entity 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 Procuring Entity may require that the amount of the Performance Security set forth in Clause IB.32 be increased at the expense of the successful bidder to a level sufficient to protect the Procuring Entity 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 Procuring Entity 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 Sub-Clause IB 29.2.
- 29.2 The Procuring Entity, at any stage of the bid evaluation, having credible reasons for or *prima facie* evidence of any defect in supplier's or contractor's capacities, may require the suppliers or contractors 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 therefore in writing. They shall form part of the records of that bid evaluation report.

IB.30 Procuring Entity's Right to Accept any Bid and to Reject any or all Bids

- 30.1 Notwithstanding Clause IB.29, the Procuring Entity 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 Procuring Entity, the Procuring Entity will notify the successful bidder in writing ("Letter of Acceptance") that his Bid has been accepted. This letter shall name the sum which the Procuring Entity 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, Procuring Entity may have clarification meetings to get clarify any item in the bid evaluation report.
- 31.3 The notification of award and its acceptance by the bidder will constitute the formation of the Contract, binding the Procuring Entity and the bidder till signing of the formal Contract Agreement.
- 31.3 Upon furnishing by the successful bidder of a Performance Security, the Procuring Entity will promptly notify the other bidders that their Bids have been unsuccessful and return their bid securities.

IB.32 Performance Security

- 32.1 The successful bidder shall furnish to the Procuring Entity a Performance Security in the form and the amount stipulated in the Bidding Data sheet and the Conditions of Contract plus additional security for un balanced bids in accordance with clause IB.28.4 within a period of 14 days after the receipt of Letter of Acceptance.
- 32.2 Failure of the successful bidder to comply with the requirements of Sub-Clause IB.32.1 or Clauses 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 Contract Agreement

- 33.1 Within 14 days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, the Procuring Entity will send the successful bidder the Contract Agreement in the form provided in the Bidding Documents, incorporating all agreements between the parties.
- 33.2 The formal Agreement between the Procuring Entity and the successful bidder shall be executed within 14 days of the receipt of the Contract Agreement by the successful bidder from the Procuring Entity.

IB.34 General Performance of the Bidders

The Procuring Entity reserves the right to obtain information regarding performance of the bidders on their previously awarded contracts/works. The Procuring Entity may in case of consistent poor performance of any Bidder as reported by the Procuring Entities of the previously awarded contracts, inter alia, reject his bid and/or refer the case to the Pakistan Engineering Council (PEC) and KPPRA. Upon such reference, PEC / KPPRA 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 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

Bids shall be prepared and submitted in accordance with these Instructions which are provided to assist bidders in preparing their bids, and do not constitute part of the Bid or the Contract Documents.

BID DATA SHEET

BID 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.

| |
|--|
| <p>Instruction to Bidders Clause Reference Clause IB-1:</p> |
| <p>Sub-Clause: 1.1 Name and address of the Employer</p> <p>Executive Engineer Address: Flood Division D.I. KHAN Khyber Pakhtunkhwa (KP), Pakistan Telephone: (0966) 713303 Contract No. _____</p> <p>Summary of Works The work included in this Contract are as follows but not limited to these items only :</p> |
| <p>Clause IB-2: Source of Funds Sub-Clause 2.1 The Project is funded by Government of Khyber Pakhtunkhwa</p> |
| <p>Clause IB-10: Language of Bid Sub-Clause 10.1 Bid should be submitted in English Language</p> |
| <p>Clause IB-11: Documents Accompanying the Bid Sub-Clause 11.1:</p> <p>A) The Bidder shall submit with its Technical Bid the following documents:</p> <ul style="list-style-type: none">(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(f) Proposed Construction Schedule(g) Method of Performing the work(h) Availability of Critical Equipment(i) Construction Camp and Housing Facilities(j) List of Sub-Contractor(k) Organization Chart for Supervisory Staff(l) Integrity Pact(m) Technical Eligibility Criteria(n) Qualification Criteria <p style="text-align: right;">Appendix-A Appendix-E Appendix-F Appendix-G Appendix-H Appendix-I Appendix-K Appendix-L Appendix-M Appendix-N</p> |

| |
|--|
| <p>B) The Bidder shall submit with its Price Bid the following documents:</p> <p>(o) Letter of Price Bid</p> <p>(p) Bill of Quantities Appendix-D</p> <p>(q) Estimate Progress Payment Appendix-J</p> |
| <p>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.</p> |
| <p>Clause IB-14: Bid Validity: Sub-Clause 14.1 Period of Bid Validity Bid validity will be Ninety (90) Days</p> |
| <p>Clause IB-15 Bid Security</p> <p>All bids must be accompanied by a Bid Security in the shape of call Deposit of amount @2% of the estimated cost and the photocopy of bid security shall be placed in the technical proposal along with an affidavit stating that “02% CDR amount (original) has been placed in the financial proposal.</p> |
| <p>Clause IB-16: Alternate Proposals by Bidders NOT USED</p> |
| <p>Clause IB-17: Pre-Bid Meeting Sub-Clause 17.1 Venue, Time, and Date of the Pre-Bid Meeting</p> <p>The Pre-Bid conference will be held on Jan, 17st 2025 at 14:00 HRS in the office of Flood Division D.I KHAN, Opposite Govt. Degree College No 1 D.I. KHAN</p> |
| <p>Clause IB-18: Format and Signing of Bid Sub-Clause 18.4 Format and Signing of Bid One Original & Two Copies (one hard and one electronic in USB/DVD) of Technical Bid Whereas One original and two copy for Financial Bid.</p> |
| <p>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: - Executive Engineer Address: Flood Division Opposite Govt. Degree College No 1 D.I. KHAN Khyber Pakhtunkhwa (KP), Pakistan Telephone: (0966) 713303</p> <p>19.2 (b) Name and Number of the Contract is as follows: Contract Name: Contract No.</p> |

Clause IB-20 Deadline for submission of Bid:

Sub-Clause 20.1 (a)

Bid should reach to office of the Executive Engineer Flood Division D.I KHAN,
Opposite Govt. Degree College No 1 D.I. KHAN at Jan, 27st 2025 at 15:00 HRS

Clause IB-23 Bid Opening:

Sub-Clause 23.1 (a) Venue, Time and Date of Bid Opening

Bid will be opened in presence of contractor or their authorized representative who opt to attend the meeting

Venue: office of the Executive Engineer Flood Division D.I KHAN

Time: 15:30 HRS noon

Date: Jan, 27th 2025

Clause IB-32 Performance Security:

Sub-Clause 32.1

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

The Performance Security shall be 10% of Contract Price stated in the Letter of Acceptance on the prescribed format form [PS-1]. In shape of bank guarantee from schedule bank in Pakistan in favor of the Employer.

FORM OF BID
AND
APPENDICES TO BID

FORM OF BID

FB-1

Bid Reference No.

Works: _____

To:

Gentleman,

1. Having examined the Bidding Documents including Instructions to Bidders, Bidding Data, Conditions of Contract, Specifications, Drawings and Bill of Quantities and Addenda Nos. _____ for the execution of the above-named Works, we, the undersigned, offer to execute and complete such Works and remedy any defects therein in conformity with the Conditions of Contract, Specifications, Drawings, Bill of Quantities and Addenda for the sum of Rs. _____ million (Rupees _____). or such other sum as may be ascertained in accordance with the said conditions.
2. We understand that all the Appendices attached hereto form part of this Bid.
3. As security for due performance of the undertakings and obligations of this Bid, we submit herewith a Bid Security in the amount of Rupees _____ drawn in your favour or made payable to you and valid for a period of _____ days beginning from the date Bids are opened.
4. We undertake, if our Bid is accepted, to commence the Works and to complete the whole of the Works comprised in the Contract within the time stated in Appendix-A to Bid.
5. We agree to abide by this Bid for the period of _____ days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
6. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
7. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other bidder for the Works.

8. We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this _____ day of _____, 2024

Signature: _____

in the capacity of _____ duly authorized to sign Bids for and on behalf of

Address _____

Witness:

Signature: _____

Name: _____

Address: _____

Occupation: _____

Letter of Price 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 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

BA-1
Appendix-A to Bid

| | | | |
|-----|--|---------------|---|
| 1. | Engineer's Authority to issue Variation in emergency | 2.1 | 15% of the Contract Price stated in the Letter of Acceptance. |
| 2. | Amount of Performance Security | 10.1 | The Performance Security shall be 10% of Contract Price stated in the Letter of Acceptance on the prescribed format form [PS-1]. In shape of bank guarantee from schedule bank in Pakistan in favor of the Employer. |
| 3. | Time for Furnishing Program | 14.1 | Within 14 days from the date of receipt of Letter of Acceptance. |
| 4. | Minimum amount of Third-Party Insurance | 23.2 | 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) |
| 5. | Time for Commencement | 41.1 | Within 14 days from the date of receipt of Engineer's Notice to Commence which shall be issued within Seven 07 days after signing of contract agreement. |
| 6. | Time for Completion | 43.1, 48.2 | 24 Months from the date of Commencement of the Project. |
| 7. | a) Amount of Liquidated Damages | 47.1 | 01 % 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 | 47.3 | Not Applicable |
| 8. | Defects Liability Period | 49.1 | 365 days from the effective date of Taking Over Certificate. |
| 9. | Percentage of Retention Money | 60.2 | 10% of the amount of Interim Payment Certificate. |
| 10. | Limit of Retention Money | 60.2 | 05% of Contract Price stated in the Letter of acceptance. |
| 11. | Minimum amount of Interim Payment Certificates (Running Bills) | 60.2 | Rs.10 Million excluding last two IPC's/FPC |
| 12. | Time of Payment from delivery of Engineer's Interim Payment Certificate to the Procuring Entity. | 60.10 | 28 days in case of local currency or 42 days in case of foreign funded projects. |
| 13. | Mobilization Advance [* (Interest Free)] ¹ | 60.12 | If Client deemed appropriate can allowed Mobilization advance on concern with Project Consultants. |

**FOREIGN CURRENCY
REQUIREMENTS**

NOT USED

**PRICE ADJUSTMENT UNDER
CLAUSE 70
OF CONDITIONS OF
CONTRACT**

The source of indices and the weightages or coefficients for use in the adjustment formula under Clause 70 shall be as follows:

(To be filled by the Procuring Entity).

| Cost Element | Description | Weightages | Applicable index |
|--------------|-------------------------|------------|------------------|
| 1 | 2 | 3 | 4 |
| (i) | Fixed Portion | 0.350 | |
| (ii) | Unskilled Labor | | |
| (iii) | High Speed Diesel (HSD) | | |
| | Total | | |

Notes:

- 1) Indices for “(ii)” to “(vii)” are taken from the Government of Pakistan Federal Bureau of Statistics, Monthly Statistical Bulletin. The base cost indices or prices shall be those applying 28 days prior to the latest day for submission of bids. Current indices or prices shall be those applying of the billing period.
 - 2) Any fluctuation in the indices or prices of materials other than those given above shall not be subject to adjustment of the Contract Price.
-

BILL OF QUANTITIES

A. Preamble

1. The Bill of Quantities shall be read in conjunction with the Conditions of Contract, Specifications and Drawings.
9. 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.
3. The rates and prices entered in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the Contract include all costs of Contractor's plant, labor, 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 28 days prior to deadline for submission of Bids, 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. Unit rates must be offered in two decimal places for an item. In case the bidder quotes rates for an item in more than two decimal places, the same shall be considered upto two significant decimal places for evaluation purposes. 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.
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 with Sub-Clause 58.2 of Part I, General Conditions of Contract.

(BOQ)

Name of Work: ADP (2024-2025) Scheme NO.1867/220742". FLOOD AND EROSION PROTECTION ARRANGEMENT OF VILLAGES / ABADIES OF MOZA SHAH NAWAZ, JHOKE BASHARAT ETC, AND AGRICULTURAL LAND ALONG LEFT BANK OF INDUS RIVER IN DISTRICT D.I. KHAN (PHASE-II LONG TERM ARRANGEMENT).

Estimated Cost: 953.181

Earnest Money+ Stamp Duty

As per Work order

| SI No. | Item Code MRS 2024 1st (Bi-Annual) | Name of Item | Qty: | Unit | Rate(Rs) | Amount(Rs:) |
|--------|------------------------------------|--|--------|------|----------|-------------|
| 1 | 03-72-a | Earthwork by mechanical means in drains and irrigation channels in DRY soil dressed to designed section, grades profile/with excavated material, disposed off within 50 feet (15.2 m) lead and dressed as directed. | 101909 | M3 | 110.11 | 11221175.77 |
| 2 | 03-72-c | Earthwork by mechanical means in drains and irrigation channels in WET & SLUSH soil dressed to designed section, grades profile/ with excavated material, disposed off within 50 feet (15.2 m) lead and dressed as directed. | 101909 | M3 | 140.82 | 14350794.4 |
| | 03-05-a | Borrowpit excavation undressed lead upto 30m in Ordinary soil | 141199 | M3 | 447.55 | 63193411.05 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 141199 | M3 | 7.47 | 1054753.169 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 141199 | M3 | 7.47 | 1054753.169 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 141199 | M3 | 7.47 | 1054753.169 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 141199 | M3 | 7.47 | 1054753.169 |

| | | | | | | |
|--|---------|--|--------|----|--------|-------------|
| | | hard & very hard | | | | |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 141199 | M3 | 7.47 | 1054753.169 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 141199 | M3 | 7.47 | 1054753.169 |
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| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 141199 | M3 | 7.47 | 1054753.169 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 141199 | M3 | 7.47 | 1054753.169 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 141199 | M3 | 7.47 | 1054753.169 |
| | 03-20-a | Transportation of earth all types beyond 250 m and upto 500 m. | 141199 | M3 | 312.16 | 44076539.37 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 141199 | M3 | 48.36 | 6828361.878 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto | 141199 | M3 | 48.36 | 6828361.878 |

| | | | | | | |
|---|---------|---|---------|----|--------|-------------|
| | | 1.5 km | | | | |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 141199 | M3 | 48.36 | 6828361.878 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 141199 | M3 | 48.36 | 6828361.878 |
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| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km. | 141199 | M3 | 48.36 | 6828361.878 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km. | 141199 | M3 | 48.36 | 6828361.878 |
| | 03-20-c | Transportation of earth all types for every 500m extra lead beyond 1.5 km. upto 8 km. | 141199 | M3 | 43.97 | 6208500.244 |
| | 03-21-b | Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches | 141199 | M3 | 27.26 | 3849072.473 |
| | 03-28-c | Ramming earthwork (all types of soil) | 141199 | M3 | 65.95 | 9312044.373 |
| 4 | 03-05-b | Borrowpit excavation undressed lead upto 30m in Hard soil | 15170.4 | M3 | 538.95 | 8176076.301 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 15170.4 | M3 | 7.47 | 113322.7386 |

| | | | | | | |
|--|---------|---|---------|----|--------|-------------|
| | 03-20-a | Transportation of earth all types beyond 250 m and upto 500 m. | 15170.4 | M3 | 312.16 | 4735585.821 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 15170.4 | M3 | 48.36 | 733639.5768 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 15170.4 | M3 | 48.36 | 733639.5768 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 15170.4 | M3 | 48.36 | 733639.5768 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 15170.4 | M3 | 48.36 | 733639.5768 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 15170.4 | M3 | 48.36 | 733639.5768 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 15170.4 | M3 | 48.36 | 733639.5768 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 15170.4 | M3 | 48.36 | 733639.5768 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 15170.4 | M3 | 48.36 | 733639.5768 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 15170.4 | M3 | 48.36 | 733639.5768 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km. | 15170.4 | M3 | 48.36 | 733639.5768 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km. | 15170.4 | M3 | 48.36 | 733639.5768 |
| | 03-20-c | Transportation of earth all types for every 500m extra lead beyond 1.5 km. upto 8 km. | 15170.4 | M3 | 43.97 | 667041.6086 |
| | 03-20-c | Transportation of earth all types for every 500m extra lead beyond 1.5 km. upto 8 km. | 15170.4 | M3 | 43.97 | 667041.6086 |

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|---|---------|---|---------|----|--------|-------------|
| | 03-20-c | Transportation of earth all types for every 500m extra lead beyond 1.5 km. upto 8 km. | 15170.4 | M3 | 43.97 | 667041.6086 |
| | 03-20-c | Transportation of earth all types for every 500m extra lead beyond 1.5 km. upto 8 km. | 15170.4 | M3 | 43.97 | 667041.6086 |
| | 03-20-c | Transportation of earth all types for every 500m extra lead beyond 1.5 km. upto 8 km. | 15170.4 | M3 | 43.97 | 667041.6086 |
| | 03-21-b | Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches | 15170.4 | M3 | 27.26 | 413544.5588 |
| | 03-28-c | Ramming earthwork (all types of soil) | 15170.4 | M3 | 65.95 | 1000486.561 |
| 5 | 03-05-a | Borrowpit excavation undressed lead upto 30m in Ordinary soil | 4332.5 | M3 | 447.55 | 1939010.375 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 4332.5 | M3 | 7.47 | 32363.775 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 4332.5 | M3 | 7.47 | 32363.775 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 4332.5 | M3 | 7.47 | 32363.775 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 4332.5 | M3 | 7.47 | 32363.775 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 4332.5 | M3 | 7.47 | 32363.775 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 4332.5 | M3 | 7.47 | 32363.775 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 4332.5 | M3 | 7.47 | 32363.775 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 4332.5 | M3 | 7.47 | 32363.775 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 4332.5 | M3 | 7.47 | 32363.775 |

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|--|---------|--|--------|----|--------|-----------|
| | | hard & very hard | | | | |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 4332.5 | M3 | 7.47 | 32363.775 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 4332.5 | M3 | 7.47 | 32363.775 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 4332.5 | M3 | 7.47 | 32363.775 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 4332.5 | M3 | 7.47 | 32363.775 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 4332.5 | M3 | 7.47 | 32363.775 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 4332.5 | M3 | 7.47 | 32363.775 |
| | 03-19-a | Extra for every 15 m extra lead or part thereof for earthwork soft, ordinary, hard & very hard | 4332.5 | M3 | 7.47 | 32363.775 |
| | 03-20-a | Transportation of earth all types beyond 250 m and upto 500 m. | 4332.5 | M3 | 312.16 | 1352433.2 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 4332.5 | M3 | 48.36 | 209519.7 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 4332.5 | M3 | 48.36 | 209519.7 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 4332.5 | M3 | 48.36 | 209519.7 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 4332.5 | M3 | 48.36 | 209519.7 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 4332.5 | M3 | 48.36 | 209519.7 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 4332.5 | M3 | 48.36 | 209519.7 |

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|---|---------|---|---------|--------|--------|-------------|
| | | 1.5 km | | | | |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 4332.5 | M3 | 48.36 | 209519.7 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km | 4332.5 | M3 | 48.36 | 209519.7 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km. | 4332.5 | M3 | 48.36 | 209519.7 |
| | 03-20-b | Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km. | 4332.5 | M3 | 48.36 | 209519.7 |
| | 03-20-c | Transportation of earth all types for every 500m extra lead beyond 1.5 km. upto 8 km. | 4332.5 | M3 | 43.97 | 190500.025 |
| | 03-20-c | Transportation of earth all types for every 500m extra lead beyond 1.5 km. upto 8 km. | 4332.5 | M3 | 43.97 | 190500.025 |
| | 03-20-c | Transportation of earth all types for every 500m extra lead beyond 1.5 km. upto 8 km. | 4332.5 | M3 | 43.97 | 190500.025 |
| | 03-20-c | Transportation of earth all types for every 500m extra lead beyond 1.5 km. upto 8 km. | 4332.5 | M3 | 43.97 | 190500.025 |
| | 03-20-c | Transportation of earth all types for every 500m extra lead beyond 1.5 km. upto 8 km. | 4332.5 | M3 | 43.97 | 190500.025 |
| | 03-21-b | Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches | 4332.5 | M3 | 27.26 | 118103.95 |
| | 03-28-c | Ramming earthwork (all types of soil) | 4332.5 | M3 | 65.95 | 285728.375 |
| 6 | 19-15-a | Supply & dump at site, without boat, including handling within 100m Stone | 75851.9 | M3 | 2677.5 | 203099530.4 |
| | 01-01-a | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : First 50 Meter or 164 ft | 26786.9 | 100cft | 135.13 | 3619709.743 |

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|--|---------|---|---------|--------|--------|-------------|
| | 01-01-b | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : Second 50 Meter or 164 ft | 26786.9 | 100cft | 25.76 | 690029.7712 |
| | 01-01-c | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd 50 Meter to 5th 50 Meter or corresponding distance in feet | 26786.9 | 100cft | 16.67 | 446537.1229 |
| | 01-01-c | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd 50 Meter to 5th 50 Meter or corresponding distance in feet | 26786.9 | 100cft | 16.67 | 446537.1229 |
| | 01-01-c | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd 50 Meter to 5th 50 Meter or corresponding distance in feet | 26786.9 | 100cft | 16.67 | 446537.1229 |
| | 01-01-d | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 250 -1000 Meter | 26786.9 | 100cft | 75.02 | 2009550.987 |
| | 01-01-d | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 250 -1000 Meter | 26786.9 | 100cft | 75.02 | 2009550.987 |
| | 01-01-d | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 250 -1000 Meter | 26786.9 | 100cft | 75.02 | 2009550.987 |
| | 01-01-e | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 2nd Km or corresponding distance in miles | 26786.9 | 100cft | 240.21 | 6434474.043 |
| | 01-01-f | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd to 5th Kilometer or corresponding distance in miles | 26786.9 | 100cft | 158.37 | 4242236.602 |
| | 01-01-f | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd to 5th Kilometer or corresponding distance in miles | 26786.9 | 100cft | 158.37 | 4242236.602 |

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|--|---------|--|---------|--------|--------|-------------|
| | 01-01-g | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 6th to 10th Kilometer or corresponding distance in miles | 26786.9 | 100cft | 131.60 | 3525152.092 |
| | 01-01-g | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 6th to 10th Kilometer or corresponding distance in miles | 26786.9 | 100cft | 131.60 | 3525152.092 |
| | 01-01-g | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 6th to 10th Kilometer or corresponding distance in miles | 26786.9 | 100cft | 131.60 | 3525152.092 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or | 26786.9 | 100cft | 80.32 | 2151521.398 |

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|--|---------|--|---------|--------|-------|-------------|
| | | corresponding distance in miles. | | | | |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles (80.32 x 78) | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |

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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |

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|--|---------|---|---------|--------|-------|-------------|
| | | corresponding distance in miles. | | | | |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles . | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |

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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |

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|--|---------|--|---------|--------|-------|-------------|
| | | corresponding distance in miles. | | | | |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |

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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |

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|--|---------|--|---------|--------|-------|-------------|
| | | corresponding distance in miles. | | | | |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |

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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles. | 26786.9 | 100cft | 80.32 | 2151521.398 |
| 7 | 19-29-a | Providing and Laying stone or spawl filling : On slope | 7118.84 | M3 | 2582.6 | 18385258.56 |
| | 01-01-a | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : First 50 Meter or 164 ft | 2513.99 | 100cft | 135.13 | 339715.4687 |
| | 01-01-b | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : Second 50 Meter or 164 ft | 2513.99 | 100cft | 25.76 | 64760.3824 |
| | 01-01-c | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd 50 Meter to 5th 50 Meter or corresponding distance in feet | 2513.99 | 100cft | 16.67 | 41908.2133 |
| | 01-01-c | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd 50 Meter to 5th 50 Meter or corresponding distance in feet | 2513.99 | 100cft | 16.67 | 41908.2133 |

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| | 01-01-c | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd 50 Meter to 5th 50 Meter or corresponding distance in feet | 2513.99 | 100cft | 16.67 | 41908.2133 |
| | 01-01-d | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 250 -1000 Meter | 2513.99 | 100cft | 75.02 | 188599.5298 |
| | 01-01-d | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 250 -1000 Meter | 2513.99 | 100cft | 75.02 | 188599.5298 |
| | 01-01-d | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 250 -1000 Meter | 2513.99 | 100cft | 75.02 | 188599.5298 |
| | 01-01-e | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 2nd Km or corresponding distance in miles | 2513.99 | 100cft | 240.21 | 603885.5379 |
| | 01-01-f | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd to 5th Kilometer or corresponding distance in miles | 2513.99 | 100cft | 158.37 | 398140.5963 |
| | 01-01-f | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd to 5th Kilometer or corresponding distance in miles | 2513.99 | 100cft | 158.37 | 398140.5963 |
| | 01-01-g | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 6th to 10th Kilometer or corresponding distance in miles | 2513.99 | 100cft | 131.60 | 330841.084 |
| | 01-01-g | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 6th to 10th Kilometer or corresponding distance in miles | 2513.99 | 100cft | 131.60 | 330841.084 |
| | 01-01-g | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 6th to 10th Kilometer or corresponding distance in | 2513.99 | 100cft | 131.60 | 330841.084 |

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| | | miles | | | | |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2513.99 | 100cft | 80.32 | 201923.6768 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2513.99 | 100cft | 80.32 | 201923.6768 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2513.99 | 100cft | 80.32 | 201923.6768 |
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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2513.99 | 100cft | 80.32 | 201923.6768 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2513.99 | 100cft | 80.32 | 201923.6768 |
| 8 | 19-25 | Providing and Laying stone pithcing/filling, dry hand packed in pitching & aprons | 14046.7 | M3 | 2897.4 | 40699044.64 |
| | 01-01-a | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : First 50 Meter or 164 ft | 4960.53 | 100cft | 135.13 | 670316.4189 |
| | 01-01-b | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : Second 50 Meter or 164 ft | 4960.53 | 100cft | 25.76 | 127783.2528 |
| | 01-01-c | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd 50 Meter to 5th 50 Meter or corresponding distance in feet | 4960.53 | 100cft | 16.67 | 82692.0351 |
| | 01-01-c | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd 50 Meter to 5th 50 Meter or corresponding distance in feet | 4960.53 | 100cft | 16.67 | 82692.0351 |
| | 01-01-c | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd 50 Meter to 5th 50 Meter or corresponding distance in feet | 4960.53 | 100cft | 16.67 | 82692.0351 |
| | 01-01-d | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 250 -1000 Meter | 4960.53 | 100cft | 75.02 | 372138.9606 |
| | 01-01-d | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 250 -1000 Meter | 4960.53 | 100cft | 75.02 | 372138.9606 |
| | 01-01-d | Carriage of 100 cft / 5 tonne of all materials , by | 4960.53 | 100cft | 75.02 | 372138.9606 |

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| | | truck or other means : 250 -1000 Meter | | | | |
| | 01-01-e | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 2nd Km or corresponding distance in miles | 4960.53 | 100cft | 240.21 | 1191568.911 |
| | 01-01-f | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd to 5th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 158.37 | 785599.1361 |
| | 01-01-f | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd to 5th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 158.37 | 785599.1361 |
| | 01-01-g | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 6th to 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 131.60 | 652805.748 |
| | 01-01-g | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 6th to 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 131.60 | 652805.748 |
| | 01-01-g | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 6th to 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 131.60 | 652805.748 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |

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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |

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| | | corresponding distance in miles | | | | |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |

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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |

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| | | corresponding distance in miles | | | | |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |

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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |

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| | | corresponding distance in miles | | | | |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |

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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |

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| | | corresponding distance in miles | | | | |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |

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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4960.53 | 100cft | 80.32 | 398429.7696 |
| 9 | 19-14 | Providing and Laying shingle on top of bund, including handling of materials within 100 m. | 6207.37 | M3 | 3014.1 | 18709695.99 |

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|--|---------|---|---------|--------|--------|-------------|
| | 01-01-a | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : First 50 Meter or 164 ft | 2192.11 | 100cft | 135.13 | 296219.8243 |
| | 01-01-b | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : Second 50 Meter or 164 ft | 2192.11 | 100cft | 25.76 | 56468.7536 |
| | 01-01-c | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd 50 Meter to 5th 50 Meter or corresponding distance in feet | 2192.11 | 100cft | 16.67 | 36542.4737 |
| | 01-01-c | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd 50 Meter to 5th 50 Meter or corresponding distance in feet | 2192.11 | 100cft | 16.67 | 36542.4737 |
| | 01-01-c | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd 50 Meter to 5th 50 Meter or corresponding distance in feet | 2192.11 | 100cft | 16.67 | 36542.4737 |
| | 01-01-d | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 250 -1000 Meter | 2192.11 | 100cft | 75.02 | 164452.0922 |
| | 01-01-d | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 250 -1000 Meter | 2192.11 | 100cft | 75.02 | 164452.0922 |
| | 01-01-d | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 250 -1000 Meter | 2192.11 | 100cft | 75.02 | 164452.0922 |
| | 01-01-e | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 2nd Km or corresponding distance in miles | 2192.11 | 100cft | 240.21 | 526566.7431 |
| | 01-01-f | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd to 5th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 158.37 | 347164.4607 |

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| | 01-01-f | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd to 5th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 158.37 | 347164.4607 |
| | 01-01-g | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 6th to 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 131.60 | 288481.676 |
| | 01-01-g | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 6th to 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 131.60 | 288481.676 |
| | 01-01-g | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 6th to 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 131.60 | 288481.676 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or | 2192.11 | 100cft | 80.32 | 176070.2752 |

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|--|---------|---|---------|--------|-------|-------------|
| | | corresponding distance in miles | | | | |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |

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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |

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| | | corresponding distance in miles | | | | |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |

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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
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| | | corresponding distance in miles | | | | |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
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| | | corresponding distance in miles | | | | |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
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| | | corresponding distance in miles | | | | |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 2192.11 | 100cft | 80.32 | 176070.2752 |
| 10 | 19-28-a | Providing and laying stone pitching for top layer on slope | 11521.1 | M3 | 5675.2 | 65384780.55 |
| | 01-01-a | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : First 50 Meter or 164 ft | 4068.63 | 100cft | 135.13 | 549793.9719 |
| | 01-01-b | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : Second 50 Meter or 164 ft | 4068.63 | 100cft | 25.76 | 104807.9088 |
| | 01-01-c | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd 50 Meter to 5th 50 Meter or corresponding distance in feet | 4068.63 | 100cft | 16.67 | 67824.0621 |

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| | 01-01-c | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd 50 Meter to 5th 50 Meter or corresponding distance in feet | 4068.63 | 100cft | 16.67 | 67824.0621 |
| | 01-01-c | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd 50 Meter to 5th 50 Meter or corresponding distance in feet | 4068.63 | 100cft | 16.67 | 67824.0621 |
| | 01-01-d | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 250 -1000 Meter | 4068.63 | 100cft | 75.02 | 305228.6226 |
| | 01-01-d | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 250 -1000 Meter | 4068.63 | 100cft | 75.02 | 305228.6226 |
| | 01-01-d | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 250 -1000 Meter | 4068.63 | 100cft | 75.02 | 305228.6226 |
| | 01-01-e | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 2nd Km or corresponding distance in miles | 4068.63 | 100cft | 240.21 | 977325.6123 |
| | 01-01-f | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd to 5th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 158.37 | 644348.9331 |
| | 01-01-f | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 3rd to 5th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 158.37 | 644348.9331 |
| | 01-01-g | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 6th to 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 131.60 | 535431.708 |
| | 01-01-g | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 6th to 10th Kilometer or | 4068.63 | 100cft | 131.60 | 535431.708 |

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| | | corresponding distance in miles | | | | |
| | 01-01-g | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : 6th to 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 131.60 | 535431.708 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |

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| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |

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| | | corresponding distance in miles | | | | |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
| | 01-01-h | Carriage of 100 cft / 5 tonne of all materials , by truck or other means : beyond 10th Kilometer or corresponding distance in miles | 4068.63 | 100cft | 80.32 | 326792.3616 |
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Sub Total (A) Rs: 925422381

Add 3% Cost Factor Rs: 27762671.4

Rs: 953185052

Say 953.19
Rs:

- 1 Quantity may be increased / decreased as per site requirement.
- 2 Terms & conditions are available in the N.I.T
- 3 The Contractor will be bound to work at site as per instructions of Engineer incharge during emergency situation.

The Contractor should quote his rate _____% above/ below on B.O.Q Cost.

Sub Divisional Officer
Flood Sub Division No. I
Sub Engineer D.I.Khan

Sub Divisional Officer
Flood Sub Division No. II D.I.Khan

BILL OF QUANTITIES

SUMMARY

ABSTRACT OF TENDER PRICE

AMOUNT (RS.)

TOTAL TENDER COST:

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

2. Bidders shall price the Bill of Quantities in Pakistani Rupees only.

PROPOSED CONSTRUCTION SCHEDULE

Pursuant to Sub-Clause 43.1 of the General Conditions of Contract, 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, the Construction Schedule in the bar chart (CPM, PERT or any other to be specified herein) 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 Procuring Entity’s completion targets in days noted below and counted from the date of receipt of Engineer’s Notice to Commence (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 |

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 in Pakistan, the type of facilities including personnel accommodation, office accommodation, provision for maintenance and for storage, communications, security and other services to be used.
10. 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.

BG-1

Appendix-G to Bid

Page **98**

LIST OF MAJOR EQUIPMENT – RELATED ITEMS

[The Bidder will provide on Sheet 2 of this Appendix 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.]

BG-2

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 | | | | | | |

BH-1

Appendix-H to Bid

CONSTRUCTION CAMP 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 Bidder 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.)

Appendix-I to Bid

**LIST OF SUBCONTRACTORS
(Not Applicable)**

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

Enclosed are documentation outlining experience of subcontractors, 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) | Subcontractor (With Complete Address) |
|---|--|
| 1 | 2 |
| | |

Appendix-J to Bid

ESTIMATED PROGRESS PAYMENTS

(Not Applicable)

Bidder' estimate of the value of work which would be executed by him during each of the periods stated below, based on his Program of the Works and the Rates in the Bill of Quantities, expressed in thousands of Pakistani Rupees:

| Quarter/ Year/ Period | Amounts (1,000 Rs.) |
|------------------------------|--------------------------------|
| 1 | 2 |
| Ist Quarter | |
| 2 nd Quarter | |
| 3 rd Quarter | |
| 4 th Quarter | |
| 5 th Quarter | |
| 6 th Quarter | |
| 7 th Quarter | |
| 8 th Quarter | |
| Bid Price | |

ORGANIZATION CHART FOR THE
SUPERVISORY STAFF AND
LABOUR

(INTEGRITY PACT)

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

Contract No. _____ Dated: _____
Contract Value: _____
Contract Title: _____

_____ 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 entity owned or controlled by GoP through any corrupt business practice.

Without limiting the generality of the foregoing _____ 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 form from GoP, except that which has been expressly declared pursuant hereto.

_____ 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.

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

Name of Employer: _____ Name of Contractor: _____

Signature:
[Seal]

Signature:
[Seal]

Eligibility Criteria

1. Technical Qualification Criteria

Qualification will be based on the criteria given in succeeding paras regarding the Mandatory criteria & general bidders Financial Soundness, Experience Record, Personnel Capabilities and Equipment Capabilities as demonstrated by the bidder responses in the forms attached to this letter. Sub-contractor's experience and resources shall not be considered in determining the bidder compliance with the qualifying criteria. Similarly, Association experience & resources shall not be considered. Besides, Consortium or Association of firms will not be considered.

Technical Evaluation to be used is explained as under:

a) Mandatory Criteria:

| S. No. | Description | Remarks |
|--------|---|---------|
| 1 | <i>Valid PEC Registration C2 or Above Category with CE-04.</i> | Yes/No |
| 2 | <i>Provincial Enlistment Committee Registration and Renewal for 2024-25 in PK-C2 or above category.</i> | Yes/No |
| 3 | <i>KPRA Registration (Active Status 2024-25)</i> | Yes/No |
| 4 | <i>FBR Registration (Active Tax Payer Status 2024-25)</i> | Yes/No |
| 5 | <i>Affidavit for non-blacklisting from any Agency. (On fresh stamp paper)</i> | Yes/No |
| 6 | <i>Affidavit for no litigation history (On fresh stamp paper)</i> | Yes/No |

Note: The above-mentioned mandatory documents must be enclosed in the technical bid, in case of partially/not enclosed the bidder will not be considered for evaluation.

b) General Criteria:

| S. No. | Category | Weightage/Marks |
|--------|------------------------|-----------------|
| 1 | Experience | 35 |
| 2 | Personnel Capabilities | 15 |
| 3 | Equipment Capabilities | 20 |
| 4 | Financial Position | 30 |
| | Total | 100 |

Note: Technical qualification status shall be decided on the basis of Pass/Fail basis. The applicant must secure at least 50% score overall and 50% in each category. The further detailed criteria for each category may be developed as given under head as follows:

1.1 Experience

Credit Marks for experience shall be awarded on the basis of following qualifications;

| S. No | Description | Marks Assigned | Explanation |
|-------|---|----------------|---|
| I | Completed Project: a) Two (02) Projects of similar nature and complexity completed during last 10 years each costing PKR 600 million or above and must be supported by Work order and Completion Certificate. | 9 | <ul style="list-style-type: none"> • 9 Marks are given if the contractor has completed at least 2 projects of similar nature in last ten years. • For less than 2 projects completed use the following weightage. $9 \times (A/2)$ A = No of projects of similar nature Completed in last ten years • Full Marks are given in case of 2 projects or more. |
| | b) Three (03) Projects of similar nature and complexity completed during last 10 years each costing PKR 300 million or above and must be supported by Work order and Completion Certificate. | 6 | <ul style="list-style-type: none"> • 6 Marks are given if the contractor has completed at least 3 projects of similar nature in last ten years. • For less than 3 projects completed use the following weightage. $6 \times (A/3)$ A = No of projects of similar nature Completed in last ten years • Full Marks are given in case of 3 projects or more. |
| ii) | In Hand Projects: a) Five (05) Projects of similar nature and complexity In-hand during last 5 years each costing PKR 300 million or above and must be supported by Work orders. | 10 | <ul style="list-style-type: none"> • 10 Marks are given if the contractor has 05 projects of similar nature In-hand in last ten years. • For less than 05 projects completed use the following weightage. $10 \times (A/5)$ A = No of projects of similar nature In-hand in last ten years • Full Marks are given in case of 5 projects or more. |
| | Sub Total | | 25 |

| | | | |
|------------------------------|--|---|--|
| iii | <p>General Experience:</p> <p>a) Four (04) projects completed/in hand with the firm in last 10 years costing each 600 million or above in General works</p> | 4 | <ul style="list-style-type: none"> • 4 Marks are given if the contractor has 4 projects completed/In-hand • For less than 4 projects completed/In-hand use the following weightage. 4 x (A/4) <p>A = No of projects of similar nature completed/ In-hand in last ten years</p> <p>Full Marks are given in case of 4 projects or more.</p> |
| | <p>b) Four (04) projects completed/in hand with the firm in last 10 years costing each 300 million or above in General works</p> | 4 | <ul style="list-style-type: none"> • 4 Marks are given if the contractor has 4 projects completed/In-hand • For less than 4 projects completed/In-hand use the following weightage. 4 x (A/4) <p>A = No of projects of similar nature completed/ In-hand in last ten years</p> <ul style="list-style-type: none"> • Full Marks are given in case of 4 projects or more. |
| | Sub Total | | 8 |
| iv | Enlistment with Government organization & Other agencies. | 2 | 1 mark for each enlistment up to maximum of 2 enlistments. |
| Total Marks Allocated | | | 35 |

Note: Similar nature projects mean flood protection spurs, Marginal / Guide Bunds, River embankments, River training works, Dams, Barrages, Delay action Dams, weir & Road embankments, retaining walls, Gabion works, pitching etc.

1.2 Personnel Capabilities

Credit Marks shall be awarded under this category using the following criteria (minimum 50% passing marks):

| S. No | Description | Marks Assigned | Explanation |
|-------|--|----------------|---|
| a) | <p>Project Engineer</p> <p>1 BSc Civil Engineer with 10 years of experience</p> <p>Note: Graduate Engineers Registered with Firm in PEC</p> <p>Note: CVs duly signed by the employee and the contractor shall be attached on the prescribed format along with copy of educational documents Certificate and experience certificates must be provided.</p> | 5 | <p><u>Experience (5-Marks):</u></p> <ul style="list-style-type: none"> • 5 marks will be given if the individual experience of B.Sc. (Civil) Engineer is equal to 10 years or above in Irrigation projects. <p>No marks will be given if the Individual experience of B.Sc. (Civil) Engineers is less than 10 years.</p> |
| b) | <p>2 BSc Civil Engineer with 5 years of experience</p> <p>Graduate Engineers Registered with Firm in PEC</p> <p>Note: CVs duly signed by the employee and the contractor shall be attached on the prescribed format along with copy of educational documents Certificate and experience certificates must be provided.</p> | 4 | <p><u>Experience (4-Marks):</u></p> <ul style="list-style-type: none"> • 2mark will be given if the individual experience of at least 1 no. of B.Sc. (Civil) Engineers is equal to 5 years or above in Irrigation projects. • 2 Marks for each Engineer <p>No marks will be given if the Individual experience of B.Sc. (Civil) Engineers is less than 5 Years and registered with PEC.</p> <p><u>Strength of Engineers (2 Marks):4</u></p> |
| ii) | <p>Diploma of Associate Engineers (Civil)</p> <p>1 QS with 10 years of experience</p> <p>4 Site Inspector with 3 years of Experience</p> <p>Note: CVs duly signed by the employee and the contractor shall be attached on the prescribed format along with copy of educational documents and experience certificates must be provided.</p> | 6 | <p><u>Experience (6-Marks):</u></p> <ul style="list-style-type: none"> • 1 mark will be given if the individual experience of each Associate Engineer (DAE Civil) is equal to 3 years or above as Site Inspector. • 2 Mark will be given if the individual experience of at least 1 no. of Associates Engineers (DAE Civil) is equal to 10 years or above as a QS. |
| | Sub-total | | 15 |

1.3 Equipment Capabilities

Credit Marks shall be granted on the basis of the following criteria for various kinds of equipment & machinery relevant for the Project: (minimum 50% passing marks):

| S. No. | Equipment Type and Characteristics | No/Qty | Marks |
|--------|---|--------------------|-----------|
| 1 | Survey/Leveling equipment (Total Station) | 02 | 02 |
| 2 | Vibrator / Roller | 03 | 01 |
| 3 | Tractor with trolley | 15 | 02 |
| 4 | Loader | 4 | 02 |
| 5 | Excavator with jack hammer and bucket | 04 | 02 |
| 6 | Water Pump / Dewatering equipment | 05 | 01 |
| 7 | Dozer D-8 | 03 | 02 |
| 8 | Equipment for Safety of Staff, personal protective equipment's (PPE) and safe arrangement at work | As per requirement | 01 |
| 9 | Diesel Generator (30 to 50 KVA) | 01 | 02 |
| 10 | Dump Trucks | 20 | 03 |
| 11 | Static Roler | 03 | 02 |
| | Sub-total | | 20 |

- Machinery should be in good working condition.
- Undertaking on stamp paper shall be attached for availability of equipment.

1.4 Financial Position

| S. No. | Description | Marks Assigned | Explanation |
|--------|--|----------------|---|
| i) | Available Bank Credit Line / Available Bank Balance (600 million) Supported by recent bank certificates. (Not less than 03 months old) | 9 | <ul style="list-style-type: none"> • 9 Marks are given if the available bank credit line/ Available Bank Balance limit is equal to 600 Million. • For limit less than 600 million, use following weightage $9 \times (A/600)$ <p>A= Available Bank Credit Line/ Available Bank Balance Limit</p> <ul style="list-style-type: none"> • Full Marks are given in case of limit is 600 million or more. |
| ii) | Working Capital in last 3 years. 1200 million (supported by ICAP Registered Chartered Accountant firm audited accounts statement) | 6 | <ul style="list-style-type: none"> • 6 Marks are given if the available average working capital for last three years is equal to 1200 million. • For the capital less than 1200 million use following weightage $6 \times (A/1200)$ • A= Average working capital in last three years. • Full Marks are given in case of limit is 1200 million or more. |
| iii) | Registration with Income Tax Department (along with last 3 years income tax returns) and currently Active Tax payer status with FBR. | 6 | <ul style="list-style-type: none"> • No marks will be given if income tax returns are not attached. • 2 marks will be given for each year Income Tax Return attached. • 6 marks will be given for last 3 years income tax returns attached. |
| iv) | Auditor's report for last three years | 6 | <ul style="list-style-type: none"> • No marks will be given if audited balance sheets are not attached. • 2 marks will be given for each year audited balance sheet. • 6 marks will be given for last 3 years audited balance sheet. |
| v) | Office ware house (proof of owner ship/ Rental Agreement must be attached with coordinates) | 3 | No points will be given if proof of office ware house is not attached and 3 marks will be added in case of valid proof. |
| | Sub-total | 30 | |

1.5 Joint Venture (JV)

- i) All joint venture partners shall fulfill the minimum criteria of valid registration with PEC along with code of specialization and shall have valid provincial enlistment committee registration of Khyber Pakhtunkhwa.
- ii) The lead partner shall meet not less than 40 Percent of all qualifying criteria.
- iii) Each of the partners shall meet not less than 25 percent of all the qualifying criteria.
- iv) The joint venture must collectively satisfy the criteria of each category, for which propose relevant figures for each of the partner shall be added together to arrive at the JV,s total capacity. Individual members must satisfy each of the requirement of above mention criteria.
- v) 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 bid. Such approval may be denied if
 - a. Partner (Partners) withdraw from a JV and remaining partners do not meet the qualifying requirements
 - b. The new partners to a JV are not qualified individually or as another JV or in the opinion of the employer, a substantial reduction in competition would result.

1.6 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 five years. Any such association may result in disqualification of the Applicant.

General Information

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

| | | |
|---|---|------------------------------------|
| 1 | Name of Firm: | |
| 2 | Head Office Address: | |
| 3 | Telephone: | |
| 4 | Fax: | |
| 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 and Mobile Number of Firm's Representative: | |

Detail of Owners/ Directors

| Sr. No | Name | Designation | Nationality |
|--------|------|-------------|-------------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |

Financial Soundness

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

Bidder (Lead Member of a Joint Venture, in case of JV) applying for Bid 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 | | | | |
| | | | | |
| | | | | |

Summary of Similar Nature Project Completed in last 10 Years

| |
|--|
| Name of Applicant or Member of a Joint Venture: |
|--|

Bidder and each Member of a Joint Venture applying for Bid are required to complete the information in this form.

Use a separate sheet for each Member of a Joint Venture

| Project Name | Year of Completion | Location | Value in PKR (Million) |
|---------------------|---------------------------|-----------------|-------------------------------|
| | | | |
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Details of Similar Nature Projects Completed in Last Ten (10) Years

| |
|---|
| Name of Applicant 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..... |
| 7 | Date of Award |
| 8 | Date of Completion |
| 9 | Contract Duration (Years and Months) _____ Years _____ Months |

Summary of Similar Nature Project in Hand

| |
|--|
| Name of Applicant or Member of a Joint Venture |
|--|

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

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

| Project Name | Date of Award | Expected Date of Completion | Location | Value in PKR (Million) |
|---------------------|----------------------|------------------------------------|-----------------|-------------------------------|
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Details of Similar Nature Projects in Hand

| |
|---|
| Name of Applicant 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 |
| 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..... |
| 7 | Date of Award |
| 8 | Contract Duration (Years and Months) _____Years_____ Months |

\

Summary of General Nature Project Completed

| |
|--|
| Name of Applicant or Member of a Joint Venture |
|--|

Bidder and each Member of a Joint Venture applying for Bid is required to complete the information in this form. Use a separate sheet for each Member of a Joint Venture.

| Project Name | Year of Completion | Location | Value in PKR (Million) |
|---------------------|---------------------------|-----------------|-------------------------------|
| | | | |
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Details of General Nature Projects Completed in Last Ten (10) Years

| |
|--|
| Name of Applicant 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 JV |
| 6 | Value of the total contract (in specified currencies) at completion, or at date of award for current contract PKR..... |
| 7 | Date of Award |
| 8 | Date of Completion |
| 9 | Contract Duration (Years and Months) _____ Years _____ Months |

Summary of Fast Track Project Completed (if any)

| |
|--|
| Name of Applicant or Member of a Joint Venture |
|--|

Applicant and each Member of a Joint Venture applying for Bid is required to complete the information in this form.

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

| Project Name | Year of Completion | Location | Value in PKR (Million) | Completion Duration |
|---------------------|---------------------------|-----------------|-------------------------------|----------------------------|
| | | | | |
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Details of Fast Track Project Completed (if any)

| |
|--|
| Name of Applicant 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 | 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..... |
| 7 | Date of Award |
| 8 | Date of Completion |
| 9 | Contract Duration (Years and Months) _____Years_____ Months |

List of Proposed Staff

Name of Applicant: _____
(Applicant 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 Applicant: _____
(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 Engineers) | | |
| 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 |
|------|----|---------|---------|----------|--|
| | | | | | |
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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

| |
|--|
| Name of Applicant 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 | Name of manufacturer | Model and power rating |
| | Capacity | Year of manufacture |
| Current Status | Current location | |
| | Details of current commitments | |
| Source | Indicate source of the equipment | |
| | Owned | Rented Leased |

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

| | | |
|-----------|---|------------------------|
| Owner | Name of owner | |
| | 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
(Must be provided on stamp paper)**

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
(Must be provided on stamp paper)**

Name: _____
(Applicant 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 Applicant | Remarks by Applicant |
|--------------------------------|-------------|--|--|---------------------------------------|-----------------------------|
| | | | | | |
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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: _____
(Applicant or member of Joint Venture)

I, the undersigned, do hereby certify that all the statements made in the Qualification 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 Flood Division D.I. KHAN 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 Flood Division D.I. KHAN.

Flood Division D.I. KHAN undertakes to treat all information provided as confidential.

Signed by an authorized Officer of the firm

Title of Officer

Name of Firm

Date

FORMS

**BID SECURITY
PERFORMANCE SECURITY
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 the request of the said Principal (Bidder) we, the Surety above named, are held and firmly bound unto _____

(hereinafter called the 'Procuring Entity') 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 Procuring Entity; and

WHEREAS, the Procuring Entity 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 or from a foreign bank duly counter-guaranteed by a Scheduled Bank in Pakistan, to the Procuring Entity, 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 Procuring Entity, notice of which extension(s) to the Surety is hereby waived;
- (2) that the Bid Security of unsuccessful Bidders will be returned by the Procuring Entity 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 Agreement for such work and furnish the required Performance Security, the entire said sum be paid immediately to the said Procuring Entity 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 therefor, on the prescribed form presented to him for signature enter into a formal Contract with the said Procuring Entity in accordance with his Bid as accepted and furnish within twenty eight (28) days of his being requested to do so, a Performance Security with good and sufficient surety, as may be required, upon the form prescribed by the said Procuring Entity for the faithful performance and proper fulfillment 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 Procuring Entity the said sum upon first written demand of the Procuring Entity (without cavil or argument) and without requiring the Procuring Entity to prove or to show grounds or reasons for such demand, notice of which shall be sent by the Procuring Entity by registered post duly addressed to the Surety at its address given above.

PROVIDED ALSO THAT the Procuring Entity 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 Security 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 Procuring Entity 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

SURETY (Bank)

WITNESS:

Signature _____

1. _____

Name _____

Title _____

Corporate Secretary (Seal)

Corporate Guarantor (Seal)

2. _____

Name, Title & Address

FORM OF PERFORMANCE SECURITY
(Bank Guarantee)

Guarantee No. _____
Executed on _____
Expiry date _____

[Letter by the Guarantor to the Procuring Entity]

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 Procuring Entity) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said Procuring Entity, 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 Procuring Entity'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 Procuring Entity, 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 Procuring Entity without delay upon the Procuring Entity's first written demand without cavil or arguments and without requiring the Procuring Entity to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Procuring Entity'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 Procuring Entity's designated Bank & Account Number.

PROVIDED ALSO THAT the Procuring Entity 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 Procuring Entity 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. _____
Corporate Secretary (Seal)

Signature _____
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 “Procuring Entity”) of the one part and _____ (hereafter called the “Contractor”) of the other part.

WHEREAS the Procuring Entity 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, if any, except those parts relating to Instructions to Bidders shall be deemed to form and be read and construed as part of this Agreement, viz:
 - (a) The Contract Agreement;
 - (b) The Letter of Acceptance;
 - (c) The completed Form of Bid;
 - (d) Special Stipulations (Appendix-A to Bid);
 - (e) The Particular Conditions of Contract – Part II;
 - (f) The General Conditions – Part I;
 - (g) The priced Bill of Quantities (Appendix-D to Bid);
 - (h) The completed Appendices to Bid (B, C, E to L);
 - (i) The Drawings;
 - (j) The Specifications.
 - (k) _____ (any other)
3. In consideration of the payments to be made by the Procuring Entity to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Procuring Entity to execute and complete the Works and remedy defects therein in conformity and in all respects with the provisions of the Contract.
4. The Procuring Entity 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

Signature of Procuring Entity

(Seal)

(Seal)

Signed, Sealed and Delivered in the presence of:

Witness:

Witness:

(Name, Title and Address)

(Name, Title and Address)

MOBILIZATION ADVANCE GUARANTEE

Guarantee No. _____ Date _____

WHEREAS _____ (hereinafter called the 'Procuring Entity') has entered into a Contract for _____

(Particulars of Contract)

with _____ (hereinafter called the "Contractor").

AND WHEREAS, the Procuring Entity has agreed to advance to the Contractor, at the Contractor's request, an amount of Rupees _____ (Rs _____) which amount shall be advanced to the Contractor as per provisions of the Contract.

AND WHEREAS, the Procuring Entity has asked the Contractor to furnish Guarantee to secure the mobilization advance for the performance of his obligations under the said Contract.

AND WHEREAS, _____
(Scheduled Bank in Pakistan acceptable to the Procuring Entity) (hereinafter called the "Guarantor") at the request of the Contractor and in consideration of the Procuring Entity agreeing to make the above advance to the Contractor, has agreed to furnish the said Guarantee.

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 fulfillment of any of his obligations for which the advance payment is made, the Guarantor shall be liable to the Procuring Entity for payment not exceeding the aforementioned amount.

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

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

(Date)

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

This Guarantee shall remain valid up to the aforesaid date and shall be 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 extended if on the above mentioned date the advance payment is not fully adjusted.

GUARANTOR (BANK)

| | | |
|----|-----------|-------|
| 1. | Signature | _____ |
| 2. | Name | _____ |
| 3. | Title | _____ |

WITNESS

1. _____

Corporate Secretary (Seal)

2. _____
(Name Title & Address)

_____ Corporate Guarantor (Seal)

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

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

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

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

THEREFORE, THIS DEED OF INDEMNITY WITNESSETH AS FOLLOWS:

I/We _____ of M/s. _____ do hereby indemnify M/s _____ for all losses due to thefts, arson, pilferage, loss due to flood and inundation, shortage, deterioration and depreciation etc. through any act of Man or God or slump in the Market of any or all the materials financed or paid by the Employer on our request for financing payment against material.

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

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

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PART II - PARTICULAR CONDITIONS OF CONTRACT

The particular conditions shall complement, amend, or supplement the provisions in the General Conditions of Contract. Wherever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract

1.1 Definitions

- (a) (i) The Procuring Entity is Flood Division D.I. KHAN Khyber Pakhtunkhwa Pakistan.
- (a) (iv) The Engineer is G3 Engineering Consultants Plaza #89/41, Broadway Road, Sector B D.H.A phase 8, Lahore, Pakistan.

or any other competent person appointed by the Procuring Entity, and notified to the Contractor, to act in replacement of the Engineer. Provided always that except in cases of professional misconduct, the outgoing Engineer is to formulate his certifications/recommendations in relation to all outstanding matters, disputes and claims relating to the execution of the Works during his tenure.

The following paragraph is added:

- (a)(vi) "Bidder or Tenderer" means any person or persons, company, corporation, firm or joint venture submitting a Bid or Tender.
- (b)(v) The following is added at the end of the paragraph:

The word "Tender" is synonymous with "Bid" and the word "Tender Documents" with "Bidding Documents".

The following paragraph is added:

- (b)(ix) "Program" means the program to be submitted by the Contractor in accordance with Sub-Clause 14.1 and any approved revisions thereto.
- (e)(i) The text is deleted and substituted with the following:

"Contract Price" means the sum stated in the Letter of Acceptance as payable to the Contractor for the execution and completion of the Works subject to such additions thereto or deductions therefrom as may be made and remedying of any defects therein in accordance with the provisions of the Contract.

2.1 Engineer's Duties and Authority

With reference to Sub-Clause 2.1(b), the following provisions shall also apply;

The Engineer shall obtain the specific approval of the Procuring Entity before carrying out his duties in accordance with the following Clauses:

- (i) Consenting to the sub-letting of any part of the Works under Sub-Clause 4.1 “Subcontracting”.
- (ii) Certifying additional cost determined under Sub-Clause 12.2 “Not Foreseeable Physical Obstructions or Conditions”.
- (iii) Any action under Clause 10 “Performance Security” and Clauses 21,23,24 & 25 “Insurance” of sorts.
- (iv) Any action under Clause 40 “Suspension”.
- (v) Any action under Clause 44 “Extension of Time for Completion”.
- (vi) Any action under Clause 47 “Liquidated Damages for Delay” or Payment of Bonus for Early Completion of Works (PCC Sub-Clause 47.3).
- (vii) Issuance of “Taking Over Certificate” under Clause 48.
- (viii) Issuing a Variation Order under Clause 51, except:
 - a) in an emergency* situation, as stated here below, or
 - b) if such variation would increase the Contract Price by less than the amount stated in the Appendix-A to Bid.
- (ix) Fixing rates or prices under Clause 52.
- (x) Extra payment as a result of Contractor’s claims under Clause 53.
- (xi) Release of Retention Money to the Contractor under Sub-Clause 60.3 “Payment of Retention Money”.
- (xii) Issuance of “Final Payment Certificate” under Sub-Clause 60.8.
- (xiii) Issuance of “Defect Liability Certificate” under Sub-Clause 62.1.
- (xiv) Any change in the ratios of Contract currency proportions and payments thereof under Clause 72 “Currency and Rate of Exchange”.

(Note: Procuring Entity may further vary according to need of the project)

* (If in the opinion of the Engineer an emergency occurs affecting the safety of life or of the Works or of adjoining property, the Engineer may, without relieving the Contractor of any of his duties and responsibilities under the Contract, instruct the Contractor to execute all such work or to do all such things as may, in the opinion of the Engineer, be necessary to abate or reduce the risk. The Contractor shall forthwith comply with any such instruction of the Engineer. The Engineer shall determine an addition to the Contract Price, in respect of such instruction, in accordance with Clause 52 and shall notify the Contractor accordingly, with a copy to the Procuring Entity.)

2.2 Engineer's Representative

The following paragraph is added:

The Procuring Entity shall ensure that the Engineer's Representative is a professional engineer as defined in the Pakistan Engineering Council Act 1975 (V of 1976)

The following Sub-Clauses 2.7 and 2.8 are added:

2.7 Engineer Not Liable

Approval, reviews and inspection by the Engineer of any part of the Works does not relieve the Contractor from his sole responsibility and liability for the supply of materials, plant and equipment for construction of the Works and their parts in accordance with the Contract and neither the Engineer's authority to act nor any decision made by him in good faith as provided for under the Contract whether to exercise or not to exercise such authority shall give rise to any duty or responsibility of the Engineer to the Contractor, any Subcontractor, any of their representatives or employees or any other person performing any portion of the Works.

2.8 Replacement of the Engineer

“If the Procuring Entity intends to replace the Engineer, the Procuring Entity shall, not less than 14 days before the intended date of replacement, give notice to the Contractor, of the name, address and relevant experience of the intended replacement Engineer. The Procuring Entity shall not replace the Engineer with a person against whom the Contractor raises reasonable objection by notice to the Procuring Entity, with supporting particulars.”

4.1 Subcontracting (Not Applicable)

The following text is added at the end of this sub-clause: The Contractor, with prior consent of Engineer/Employer, may sub-contract only part thereof, not as a whole of the Works to the nominated Sub-Contractor. The limit for subcontract must be less than 30% of the whole of the Works whether nominated

subcontractor(s) is single or multiple.

5.1 Language(s) and Law

- (a) The Contract Documents, shall be drawn up in the English language.
- (b) The Contract shall be subject to the Laws of Islamic Republic of Pakistan.

5.2 Priority of Contract Documents

The documents listed at (1) to (6) of the Sub-Clause are deleted and substituted with the following:

- (1) The Contract Agreement (if completed);
- (2) The Letter of Acceptance;
- (3) The completed Form of Bid;
- (4) Special Stipulations (Appendix-A to Bid);
- (5) The Particular Conditions of Contract – Part II;
- (6) The General Conditions – Part I;
- (7) The priced Bill of Quantities (Appendix-D to Bid);
- (8) The completed Appendices to Bid (B, C, E to L);
- (9) The Drawings;
- (10) The Specifications; and
- (11)_____ (any other).

In case of discrepancies between drawings, those of larger scale shall govern unless they are superseded by a drawing of later date regardless of scale. All Drawings and Specifications shall be interpreted in conformity with the Contract and these Conditions. Addendum, if any, shall be deemed to have been incorporated at the appropriate places in the documents forming the Contract.

The following Sub-Clauses 6.6 and 6.7 are added:

6.6 Shop Drawings

The Contractor shall submit to the Engineer for review 3 copies of all shop and erection drawings applicable to this Contract as per provision of relevant Sub-Clause of the Contract.

Review and approval by the Engineer shall not be construed as a complete check but will indicate only that the general method of construction and detailing is satisfactory and that the Engineer's review or approval shall not relieve the Contractor of any of his responsibilities under the Contract.

6.7 As-Built Drawings

At the completion of the Works under the Contract, the Contractor shall furnish to the

Engineer 6 copies and one reproducible of all drawings amended to conform with the Works as built. The price of such Drawings shall be deemed to be included in the Contract Price.

8.1 Contractor's Obligations

The following text is added at the end of this Clause:

The Contractor shall be responsible for the provision of site facilities to Engineer/Employer's Staff at his own cost considering the said amount is included in all items listed in Bill of Quantities. Provision of facilities shall include a furnished site office with office equipment, stationary, utilities and vehicles for daily routine inspection of Engineer/Employer as stated in Clause SP-20 of Special Provisions.

10.1 Performance Security

The Contractor shall provide Performance Security to the Procuring Entity in the prescribed form. The said Security shall be furnished or caused to be furnished by the Contractor within 14 days after the receipt of the Letter of Acceptance. The Performance Security shall be of an amount equal to 10% of the Contract Price stated in the Letter of Acceptance. Such Security shall be acceptable in any of the following form as per KPPRA notification vide Letter No. S.R.O. (15)/V01: 1-25/2022-23 dated August 22, 2022/6301-13

(a) bank guarantee from any Scheduled Bank in Pakistan

(b) bank guarantee from a bank located outside Pakistan duly counter-guaranteed by a Scheduled Bank in Pakistan [deleted]².

(c) insurance bond from an insurance company having at least AA rating under Pakistan Credit Rating agency (PACRA)/Japan Credit Rating (JCR-VIS) with provision of indemnity bond on stamp paper of worth RS.500/- or above, duly attested by the concern Authority.

The cost of complying with requirements of this Sub-Clause shall be borne by the Contractor.

The following Sub-Clause 10.4 is added:

10.4 Performance Security Binding on Variations and Changes

The Performance Security shall be binding irrespective of changes in the quantities or variations in the Works or extensions in Time for Completion of the Works which are granted or agreed upon under the provisions of the Contract.

14.1 Program to be Submitted

The program shall be submitted within the time stated in appendix-A to bid, which shall be in the form of:

- i) a Bar Chart identifying the critical activities.
- ii) a CPM identifying the critical path/activities.
(*Procuring Entity to select appropriate one*)

14.2 Revised Programme

The following text is added at the end of this sub-clause:

The Contractor shall submit to the Engineer for Approval an updated program at intervals no longer than 90 days or when instructed by the Engineer. If the contractor does not submit an updated program within this period, the Engineer shall impose a penalty of PKR 100,000 on every such occurrence. The Employer may deduct the penalty from payments due to the contractor. Payment of this penalty shall not affect the contractor's liabilities.

14.3 Cash Flow Estimate to be Submitted

The detailed Cash Flow Estimate shall be submitted within 21 days from the date of receipt of Letter of Acceptance

The following Sub-Clause 14.5 is added:

14.5 Detailed Program and Monthly Progress Report

- a) For purposes of Sub-Clause 14.1, the Contractor shall submit to the Engineer detailed program for the following:
 - (1) Execution of Works;
 - (2) Labor Employment;
 - (3) Local Material Procurement;
 - (4) Material Imports, if any; and
 - (5) Other details as required by the Engineer.

- (b) During the period of the Contract, the Contractor shall submit to the Engineer not later than the 8th day of the following month, 5 copies each of Monthly Progress Reports covering:
 - (1) A Construction Schedule indicating the monthly progress in percentage;
 - (2) Description of all work carried out since the last report;
 - (3) Description of the work planned for the next 56 days sufficiently detailed to enable the Engineer to determine his program of inspection and testing;

- (4) Monthly summary of daily job record;
 - (5) Photographs to illustrate progress; and
 - (6) Information about problems and difficulties encountered, if any, and proposals to overcome the same.
- (c) During the period of the Contract, the Contractor shall keep a daily record of the work progress, which shall be made available to the Engineer as and when requested. The daily record shall include particulars of weather conditions, number of men working, deliveries of materials, quantity, location and assignment of Contractor's equipment.

The Contractor shall submit his programme for execution of the Works in accordance with Clause 14.1 [*Programme to be Submitted*] which 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, or dates earlier than the said milestone and key target dates, shall be shown on the construction programme to be submitted by the Contractor. The programme must be submitted in the form of hard copies as well as soft copies in shape of files having extensions like *XER. OR *MPP. Only.

The initial submittal of network analysis shall include a description of the major construction activities. The Bar Chart and the Network Analysis shall be submitted within 14 days after receipt of the Letter of Acceptance.

Monthly submittals shall show completed progress of each activity during the past month, with forecast for the coming month.

If the Contractor fails to submit the Monthly Progress Reports (in hard copies as well as soft copies having file extension like *XLSX. OR *DOCX. Only) along with the Photographs of site to illustrate progress, then he will be fined with an amount of Rs.50,000/- each month which would be deducted by the Engineer/Employer from the monies due or to become due to the Contractor, or recover the same as a debt due from the Contractor.

The following Sub-Clauses 15.2 and 15.3 are added:

15.2 Language Ability of Contractor's Representative

The Contractor's authorized representative shall be fluent in the English/Urdu language. Alternately an interpreter with ability of English language shall be provided by the Contractor on full time basis. The Engineer / Procuring Entity, however, may relax conditions of the language from English to other local languages if deemed appropriate,

15.3 Contractor's Representative

The Contractor's authorized representative and his other professional engineers working at Site shall register themselves with the Pakistan Engineering Council.

The Contractor's authorized representative at Site shall be authorized to exercise

adequate administrative and financial powers on behalf of the Contractor so as to achieve completion of the Works as per the Contract.

16.1 Contractor's Employees

The following text is added as the last paragraph of this clause:

The Contractor shall appoint regular whole time at least following technical staff for proper execution / management of works. The staff shall be mobilized at site within 20 days after the date of issuance of letter of acceptance or before the date of commencement of work at site, whichever is the earlier.

Project Manager B.Sc. Civil Engineer with Min. 10 years relevant experience. DAE with Min. 03 years relevant experience Surveyor: DAE with Min. 10 years relevant experience Quantity Surveyor:

The Contractor will ensure the presence of his staff at site. In case contractor fails to appoint full time Project Manager at site, a penalty of PKR 100,000 will be imposed on monthly basis and in case contractor fails to appoint full time other supporting staff mentioned above (other than Project Manager) at site, a penalty of Rs. 50,000/- will be imposed on monthly basis.

The following Sub-Clauses 16.3 and 16.4 are added:

16.3 Language Ability of Superintending Staff of Contractor

A reasonable proportion of the Contractor's superintending staff shall have a working knowledge of the English/Urdu language. If the Contractor's superintending staff are not fluent in English/Urdu language, the Contractor shall make competent interpreters available during all working hours in a number deemed sufficient by the Engineer. The Engineer / Procuring Entity, however, may relax conditions of the language from English to other local languages if deemed appropriate,

16.4 Employment of Local Personnel

The Contractor is encouraged, to the extent practicable and reasonable, to employ staff and labor from sources within KPK.

The following Sub-Clauses 19.3 and 19.4 are added:

19.3 Safety Precautions

In order to provide for the safety, health and welfare of persons, and for prevention of damage of any kind, all operations for the purposes of or in connection with the Contract shall be carried out in compliance with the Safety Requirements of the Government of Pakistan and KPK with such modifications thereto as the Engineer may authorize or direct and the Contractor shall take or cause to be taken such further measures and comply with such further requirements as the Engineer may determine to be reasonably necessary for such purpose.

The Contractor shall make, maintain and submit reports to the Engineer concerning safety, health and welfare of persons and damage to property, as the Engineer may from time to time prescribe.

19.4 Lighting Work at Night

In the event of work being carried out at night, the Contractor shall at his own cost, provide and maintain such good and sufficient light as will enable the work to proceed satisfactorily and without danger. The approaches to the Site and the Works where the night-work is being carried out shall be sufficiently lighted. All arrangement adopted for such lighting shall be to the satisfaction of the Engineer's Representative.

20.4 Procuring Entity's Risks

The Procuring Entity's risks are:

Delete the text and substitute with the following:

- (a) insofar as they directly affect the execution of the Works in KPK
 - (i) war and hostilities (whether war be declared or not), invasion, act of foreign enemies,
 - (ii) rebellion, revolution, insurrection, or military or usurped power, or civil war,
 - (iii) ionizing radiations, or contamination by radioactivity from any nuclear fuel, or from any nuclear waste from the combustion of nuclear fuel, radioactive toxic explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof,
 - (iv) pressure waves caused by aircraft or other aerial devices travelling at sonic or supersonic speeds,
 - (v) riot, commotion or disorder, unless solely restricted to the employees of the Contractor or of his Subcontractors and arising from the conduct of the Works;
- (b) loss or damage due to the use or occupation by the Procuring Entity of any Section or part of the Permanent Works, except as may be provided for in the Contract;
- (c) loss or damage to the extent that it is due to the design of the Works, other than any part of the design provided by the Contractor or for which the Contractor is responsible; and
- (d) any operation of the forces of nature (insofar as it occurs on the Site) which an experienced contractor:
 - (i) could not have reasonably foreseen, or
 - (ii) could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures:

- (a) prevent loss or damage to physical property from occurring by taking appropriate measures, or
- (b) insure against.

21.1 Insurance of Works and Contractor's Equipment

The amount of insurance taken out by the Contractor per occurrence with number of occurrences unlimited shall be as follows:

- d. Bodily injury (any one person) PKR 0.5 (Half) Million (Max)
- e. Fatal Case (any one person) PKR 01 (one) million (Minimum)
- f. Property Damages Depending upon nature of loss (100% of the Damage)

Contractor shall obtain above insurances after consent of Engineer/Employer. Insurance Company must be AA rated from PACRA. Contractor will not be paid separately for such insurances keeping in view that contractor has quoted his rates in Bill of quantities by applying such kind of expanses.

21.4 Exclusions

The text is deleted and substituted with the following:

There shall be no obligation for the insurances in Sub-Clause 21.1 to include loss or damage caused by the risks listed under Sub-Clause 20.4 para (a) (i) to (iv).

The following Sub-Clause 25.5 is added:

25.5 Insurance Company

The Contractor shall be obliged to place all insurances relating to the Contract (including, but not limited to, the insurances referred to in Clauses 21, 23 and 24) with either National Insurance Company of Pakistan or any other insurance company operating in Pakistan and acceptable to the Procuring Entity.

Costs of such insurances shall be borne by the Contractor.

The following Sub-Clause 31.3 is added:

31.3 Co-operation with other Contractors

During the execution of the Works, the Contractor shall co-operate fully with other contractors working for the Procuring Entity at and in the vicinity of the Site and also shall provide adequate precautionary facilities not to make himself a nuisance to local residents and other contractors.

The following Sub-Clauses 34.2 to 34.12 are added:

34.2 Rates of Wages and Conditions of Labor

The Contractor shall pay rates of wages and observe conditions of labor not less favorable than those established for the trade or industry where the work is carried out. In the absence of any rates of wages or conditions of labor so established, the Contractor shall pay rates of wages and observe conditions of labour which are not less favorable than the general level of wages and conditions observed by other Procuring Entities whose general circumstances in the trade or in industry in which the Contractor is engaged are similar.

34.3 Employment of Persons in the Service of Others

The Contractor shall not recruit his staff and labor from amongst the persons in the services of the Procuring Entity or the Engineer; except with the prior written consent of the Procuring Entity or the Engineer, as the case may be.

34.4 Housing for Labour

Save insofar as the Contract otherwise provides, the Contractor shall provide and maintain such housing accommodation and amenities as he may consider necessary for all his supervisory staff and labour, employed for the purposes of or in connection with the Contract including all fencing, electricity supply, sanitation, cookhouses, fire prevention, water supply and other requirements in connection with such housing accommodation or amenities. On completion of the Contract the temporary camps or housing provided by the Contractor shall be removed and the Site reinstated to its original condition, all to the approval of the Engineer.

34.5 Health and Safety

Due precautions shall be taken by the Contractor, and at his own cost, to ensure the safety of his staff and labour at all times throughout the period of the Contract. The Contractor shall further ensure that suitable arrangements are made for the prevention of epidemics and for all necessary welfare and hygiene requirements. All essential personal protective equipment (PPE), like gloves, helmet, reflective jackets, boots and any other essential PPE as per the site requirement will be mandatory for the contractor

34.6 Epidemics

In the event of any outbreak of illness of an epidemic nature, the Contractor shall comply with and carry out such regulations, orders and requirements as may be made by the Government, or the local medical or sanitary authorities, for purpose of dealing with and overcoming the same.

34.7 Supply of Water

The Contractor shall, so far as is reasonably practicable, having regard to local conditions, provide on the Site, to the satisfaction of the Engineer or his representative, adequate supply of drinking and other water for the use of his staff and labour.

34.8 Alcoholic Liquor or Drugs

The Contractor shall not, otherwise than in accordance with the Statutes, Ordinances and Government Regulations or Orders for the time being in force, import, sell, give, barter or otherwise dispose of any alcoholic liquor or drugs, or permit or suffer any such importation, sale, gift, barter or disposal by his Subcontractors, agents, staff or labour.

34.9 Arms and Ammunition

The Contractor shall not give, or otherwise dispose of to any person or persons, any arms or ammunition of any kind or permit or suffer the same as aforesaid.

34.10 Festivals and Religious Customs

The Contractor shall in all dealings with his staff and labour have due regard to all recognized festivals, days of rest and religious and other customs.

34.11 Disorderly Conduct

The Contractor shall at all times take all reasonable precautions to prevent any unlawful, riotous or disorderly conduct by or amongst staff and labour and for the preservation of peace and protection of persons and property in the neighborhood of the Works against the same.

34.12 Compliance by Subcontractors

The Contractor shall be responsible for compliance by his Subcontractors of the provisions of this Clause.

The following Sub-Clauses 35.2 and 35.3 are added:

35.2 Records of Safety and Health

The Contractor shall maintain such records and make such reports concerning safety, health and welfare of persons and damage to property as the Engineer may from time

to time prescribe.

35.3 Reporting of Accidents

The Contractor shall report to the Engineer details of any accident as soon as possible after its occurrence. In the case of any fatality or serious accident, the Contractor shall, in addition, notify the Engineer immediately by the quickest available means

36.1 Quality of Materials, Plants and Workmanship

The following text is added at the end of last paragraph:

Contractor shall make arrangements for the establishment of Material Testing Laboratory at site and for the facilities to be provided to keep the laboratory running at his own cost. The cost of making any test shall be borne by the Contractor as stated in Clause 36.3 and he shall intend to conduct minimum frequency of tests on a single batch of sample procured by him as per clause 36. 2..

The following Sub-Clause 36.6 is added:

36.6 Use of Pakistani Materials and Services

The Contractor shall, so far as may be consistent with the Contract, make the maximum use of materials, supplies, plant and equipment indigenous to or produced or fabricated in Pakistan and services, available in Pakistan preferably in KPK provided such materials, supplies, plant, equipment and services shall be of required standard.

37.2 Inspection and Testing

Factory acceptance tests shall be witnessed by the personnel as stated in Specifications- Special Provisions Sub-Clause 14.2. All costs in connection with witnessing of the factory acceptance tests by 04 Officials (02 of Employer and 02 of Engineer) shall be borne by the Contractor. These shall include the costs of air travel (economy class) from Pakistan to place of inspection/testing and back, hotel accommodation/boarding/lodging (as per actual), inland transportation and daily allowance @ US Dollars 150/- per day per person for inspection/testing to be conducted outside Pakistan not more than 06 days and Rs. 5000/- per day per person [besides other costs of travelling and lodging etc. (as above)] for inspection/testing to be conducted inside Pakistan for each visit of every person to witness these tests.

41.1 Commencement of Works

The contractor shall commence work on the facility with fifteen (15) days from the Date of issuing of work order.

The time of completion of the whole of facilities shall be 24 Months.

44 Extension of time for completion

- The time(s) for completion specified in the pc pursuant to clause 13 shall extended if the Contractor is delayed or impeded in the performance of any of its obligation under the contract by reason of any of the following,
- Any change in the facilities as provided by the Employer any Occurrence of Force Majeure as Provided In GC
- Any suspension order given by the employer hereof or reduction in the rate of progress.
- Any changes in laws and regulations.
- Any default or breach of the contract by the employer, Appendix to the contract agreement titled or any activity act or omission of the employer or the project manager or any other contractors employed by the employer or
- Any delay on the part of a sub-contractor provided such delay is due to a cause for which the contractor himself would have been entitled to an extension of time under this sub clause or
- Delays attributable to the employer or caused by customs or
- Any other matter specifically mentioned in the contract.
- By such period as shall be fair and reasonable in all the circumstances and as shall fairly reflect the delay or impediment sustained by the contractor.

The following Sub-Clause 47.3 is added:

47.3 Liquidated Damages for Delay

01 % 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.

49.4 Contractor's Failure to Carry out Instructions

This sub-clause clearly states that Contractor is responsible to fulfil his obligations of completion of Works within a certain stipulated time period at his own cost mentioned in the Contract. However, if the Contractor fails to follow the instructions, the Employer is at liberty to engage any other party/person for the completion of the works originally entitled to the Contractor. In this case the Engineer, after determination of all costs, has the right to recover the amount after discussion with the Employer and Contractor or deduct this amount from any monies due or become due to the Contractor. After finalization, the Engineer shall notify the Contractor accordingly and send a copy to the Employer.

51.2 Instructions for Variations

At the end of the first sentence, after the word "Engineer", the words "in writing" are added.

52.1 Valuation of Variations

In the tenth line, after the words “Engineer shall” the following is added:
within a period not exceeding one-eighth of the completion time subject to a minimum of 28 days from the date of disagreement whichever is later.

53.4 Failure to Comply

This Sub-Clause is deleted in its entirety.

54.3 Customs Clearance

Add following at the end of this Sub-Clause:
“However, obtaining customs clearance shall be the sole responsibility of the Contractor.”

54.5 Conditions of Hire of Contractor’s Equipment

The following paragraph is added:

The Contractor shall, upon request by the Engineer at any time in relation to any item of hired Contractor’s Equipment, forthwith notify the Engineer in writing the name and address of the Owner of the equipment and shall certify that the agreement for the hire thereof contains a provision in accordance with the requirements set forth above.

The following Sub-Clauses 59.4 & 59.5 are added:

59.4 Payments to Nominated Subcontractors (Not Applicable)

The Contractor shall pay to the nominated Subcontractor the amounts which the Engineer certifies to be due in accordance with the subcontract. These amounts plus other charges shall be included in the Contract Price in accordance with Clause 58 [Provisional Sums], except as stated in Sub-Clause 59.5 [Certification of Payments].

59.5 Certification of Payments & Nominated Subcontractors (Not Applicable)

Before issuing a Payment, Certificate which includes an amount payable to a nominated Subcontractor, the Engineer may request the Contractor to supply reasonable evidence that the nominated Subcontractor has received all amounts due in accordance with previous Payment Certificates, less applicable deductions for retention or otherwise. Unless the Contractor:

- a) submits reasonable evidence to the Engineer,

or

- b) i) satisfies the Engineer in writing that the Contractor is reasonably entitled to withhold or refuse to pay these amounts, and
- ii) submits to the Engineer reasonable evidence that the nominated Subcontractor has been notified of the Contractor's entitlement,

then the Procuring Entity may (at his sole discretion) pay direct to the nominated Subcontractor, part or all of such amounts previously certified (less applicable deductions) as are due to the nominated Subcontractor and for which the Contractor has failed to submit the evidence described in sub-paragraphs (a) or (b) above. The Contractor shall then repay, to the Procuring Entity, the amount which the nominated Subcontractor was directly paid by the Procuring Entity.

60.1 Monthly Statements

In the first line after the word "shall", the following is added:

"on the basis of the joint measurement of work done under Clause 56.1,"

In Para (c) the words "the Appendix to Tender" are deleted and substituted with the words "Sub-Cause 60.11 (a)(6) hereof".

The following is added at the end of this sub-clause:

The Contractor shall, along with the statement showing the amounts to which Contractor considers himself entitled to, also submit to the Engineer supporting documents which confirm to the amount stated in the statement including check requests, completion plans of concerned work, detailed calculation sheets, measurement sheets, partial drawing clearly showing completed works and balance works, materials quality test reports etc. and duly signed by field representatives of Contractor and Engineer.

60.2 Monthly Payments

In the first line, "28" is substituted by "30"

60.8 Payment Certificates

The Contractor shall submit to the Project Manager monthly the detail of work done along with supporting documents for interim payment certification of the value of the work executed less the cumulative amount certified previously.

The value of work executed shall be determined by the Project Manager and certify the amount to be paid to the Contractor.

The value of work executed shall comprise the value of measured completed works evaluated by contractor quoted rates or project managers determined rates.

The Project Manager may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.

60.10 Time for Payment

The text is deleted and substituted with the following:

The amount due to the Contractor under any Interim Payment Certificate issued by the Engineer pursuant to this Clause, or to any other terms of the Contract, shall , subject to Clause – 47, be paid by the Procuring Entity to the Contractor within 30 days after such Interim Payment Certificate has been jointly verified by Procuring Entity / Employer and Contractor, or, in the case of the Final Certificate referred to in Sub-Clause 60.8, within 60 days after such Final Payment Certificate has been jointly verified by Procuring Entity and Contractor; Provided that the Interim and Final Payments shall be caused subject to availability of funds.

The following Sub-Clause 60.11 is added:

60.11 Secured Advance on Materials

- a) The Contractor shall be entitled to receive from the Procuring Entity Secured Advance against an indemnity bond acceptable to the Procuring Entity of such sum as the Engineer may consider proper in respect of non-perishable materials brought at the Site but not yet incorporated in the Permanent Works provided that:
 - (1) The materials are in accordance with the Specifications for the Permanent Works;
 - (2) Such materials have been delivered to the Site and are properly stored and protected against loss or damage or deterioration to the satisfaction of the Engineer but at the risk and cost of the Contractor;
 - (3) The Contractor's records of the requirements, orders, receipts and use of materials are kept in a form approved by the Engineer, and such records shall be available for inspection by the Engineer;
 - (4) The Contractor shall submit with his monthly statement the estimated value of the materials on Site together with such documents as may be required by the Engineer for the purpose of valuation of materials and

providing evidence of ownership and payment therefor;

- (5) Ownership of such materials shall be deemed to vest in the Procuring Entity and these materials shall not be removed from the Site or otherwise disposed of without written permission of the Procuring Entity; and
 - (6) The sum payable for such materials on Site shall not exceed 75 % of the (i) landed cost of imported materials, or (ii) ex-factory / ex-warehouse price of locally manufactured or produced materials, or (iii) market price of other materials.
- (b) The recovery of Secured Advance paid to the Contractor under the above provisions shall be effected from the monthly payments on actual consumption basis.

60.12 Financial Assistance to Contractor

Mobilization Advance

- (a) An interest-free Mobilization Advance 10% of the Contract Price stated in the Letter of Acceptance shall be paid by the Procuring Entity.
- (b) Mobilization advance (10%) of the contract price should be paid by the Contractor within the 30 Days after signing of the Contract Agreement.
- (c) Upon submission by the Contractor of a Mobilization Advance Guarantee/ for the full amount of the Advance in the specified form from a Scheduled Bank in Pakistan:
- (d) Payments shall be adjusted for deductions of advance payments. which will be recovered at rate of 20% from 1st interim payment certificate (IPC) and 20% from 2nd interim payment certificate (IPC) and 10% for remaining IPC's . The Employer shall pay the Contractor the amounts certified by the Project Manager within 28 days of the date of each certificate. The Engineer may vary the percentage of recovery of advance in order to complete the recovery prior to the time of completion."

63.1 Default of Contractor

The following para is added at the end of the Sub-Clause:

Provided further that in addition to the action taken by the Procuring Entity against the Contractor under this Clause, the Procuring Entity may also refer the case of default of the Contractor to Pakistan Engineering Council for punitive action under the Construction and Operation of Engineering Works Bye-Laws 1987, as amended from time to time as well as under the prevailing rules of KPPRA.

65.2 Special Risks

The text is deleted and substituted with the following:

The Special Risks are the risks defined under Sub-Clause 20.4 sub paragraphs (a) (i) to (a) (v).

67.3 Arbitration

Pakistan Arbitration Act 1940

The number of Arbitrators shall be three including the Umpire.

In the event of any disagreement between the Engineer and the contractor arising out of the contract, the matter shall first be referred to the Director/Superintendent Engineer, for decision who shall, after making such enquiries, as he may deem fit, give his decision in writing not later than three months after the reference is made to him. The period for decision of the case by the Director/Superintendent Engineer, may however, be extended by the Chief Engineer under special conditions according to the circumstances, justification, available in each, case. The contractor shall forthwith give effect to the decision of the Director/Superintendent Engineer, and shall proceed with due diligence, whether arbitration is intended or not.

If the contractor be dissatisfied with the decision of the Director/Superintendent Engineer, or if his decision is not forthcoming within the stipulated or extended period/periods and desires arbitration under the arbitration clause as hereinafter provided, he shall give notice in writing of such intention to the Director/Superintendent Engineer, within a period of twenty eight days of the receipt of the Director/Superintendent Engineer, decision or in case no decision is given, at the end of the period or periods within which the Director/Superintendent Engineer, was to give his decision. The said notice shall contain the cause of action material facts of the case and relief sought, failing which the decision of the Director/Superintendent Engineer, shall become final conclusive and binding, and the contractor shall be deemed to have forfeited or departed from the claim in excess of that allowed by the Director/Superintendent Engineer. The subsequent inflation/increase in the amount of claim once preferred in the said notice of the same work be entertained from the contractor at any later stage.

A Reference to arbitration (not provided in SBD)

A reference to arbitration shall be made by the contractor in writing not later than three months after the completion of the work. Failure to make such a reference within this period shall be deemed to mean that the contractor has waived all claims in respect of all disputes.

Disputes for arbitration limited

(a) Disputes which may be referred to arbitration shall be limited

to:

i. Any question, difference, or objection, whatsoever which shall arise in any way, connected with or arising out of the contract; or land

ii. The meanings of the operation of any part of the contract; or land

iii. The rights, duties and liabilities of other party to the contract; and

iv. Whether the contract should be terminated or has been rightly terminated and as regards the rights and obligations of the parties as a result of such termination. Provided that these matters for which provision has been made in the contract for final and binding decision by the Director/Superintendent Engineer or the Engineer In charge shall be excluded from arbitration.

(b) The contractor will have to deposit 20% of the amount of the claim up to Rs. 0.20 million and 10% of claims, exceeding Rs. 0.20 million along with the claim.

This amount will be refunded after the Award has been made Rule of the Court arbitration Otherwise the amount deposited will be forfeited.

(c) In the event of any dispute arising in accordance with the limitations provided in Sub-Clause (a) of this clause, the same shall be referred to the decisions of a sole arbitrator to be appointed by the Chief Engineer In charge of the region, of Director/Superintendent Engineer, and other than the Claim preferred is for an amount up to half a million Rupees, the decision of the sole arbitrator in such cases shall be final and binding on the parties concerned.

(d) In case the amount of the claim preferred in over Half a Million Rupees, the dispute shall be referred to the award of two arbitrators, to be appointed from the Director/Superintendent Engineer of the Department, other than the Director/Superintendent Engineer in charge of the work one to be nominated the Chief Engineer of the Region concerned and the other by the contractor. In the case of the said two arbitrators not agreeing the case shall be referred to the award of an umpire who shall be an officer of the department not below the Rank of Chief Engineer to be appointed by the Government in the Administrative Department. The decision of the two arbitrators, umpire, as the case may be shall be final and binding on the parties concerned. Where the matter involves claim for the payment or recovery or deduction of money only, the amount, if any, awarded in the arbitration shall be recoverable in respect

The place of arbitration shall be Dera Ismail Khan, Khyber Pakhtunkhwa Pakistan.

68.1 Notice to Contractor

The following paragraph is added:

For the purposes of this Sub-Clause, the Contractor shall, immediately after receipt of Letter of Acceptance, intimate in writing to the Procuring Entity and the Engineer by registered post, the address of his principal place of business or any change in such address during the period of the Contract.

68.2 Notice to Procuring Entity and Engineer

For the purposes of this Sub-Clause, the respective address is:

a) The Procuring Entity: Flood Division D.I. KHAN Khyber Pakhtunkhwa Pakistan.

b) The Engineer: G3 Engineering Consultants, Plaza #89/41, Broadway Road, Sector B D.H.A phase 8, Lahore, Pakistan

70.1 Increase or Decrease of Cost

Sub-Clause 70.1 is deleted in its entirety, and substituted with the following:

The amounts payable to the Contractor, pursuant to Sub-Clause 60.1, shall be adjusted in respect of the rise or fall in the cost of labour, materials, and other inputs to the Works, by applying to such amount the formula prescribed in this Sub-Clause.

(a) Other Changes in Cost

To the extent that full compensation for any rise or fall in costs to the Contractor is not covered by the provisions of this or other Clauses in the Contract, the unit rates and prices included in the Contract shall be deemed to include amounts to cover the contingency of such other rise or fall of costs.

(b) Adjustment Formula

The price adjustment formula shall not be applied before expiry of one year from date fixed for receiving of tenders and price of works and goods done or delivered during that period are not subject to escalation.

The adjustment to the monthly statements in respect of changes in cost shall be determined from the following formula:-

$$P_n = A + b \frac{L_n}{L_o} + c \frac{M_n}{M_o} + d \frac{E_n}{E_o} + \dots$$

Where:

“P_n” is a price adjustment factor to be applied to the amount for the payment of the work carried out in the subject month, determined in accordance with Paragraph 60.1 (a), and with Paragraphs 60.1 (b) and (e), where any variations and daywork are not otherwise subject to adjustment;

“A” is a constant, specified in Appendix-C to Bid, representing the nonadjustable portion in contractual payments;

b, c, d, etc., are weightages or coefficients representing the estimated proportion of each cost element (labour, cement and reinforcing steel etc.) in the Works or Sections thereof, net of Provisional Sums and Prime Cost; the sum of A, b, c, d, etc., shall be one;

“Ln”, “Mn”, “En”, etc., are the current cost indices or reference prices of the cost elements for month “n”, determined pursuant to Sub-Clause 70.1(d), applicable to each cost element; and

“Lo”, “Mo”, “Eo”, etc., are the base cost indices or reference prices corresponding to the above cost elements at the date specified in Sub-Clause 70.1(d).

(c) Sources of Indices and Weightages

The sources of indices shall be those listed in Appendix-C to Bid, as approved by the Engineer. As the proposed basis for price adjustment, the Contractor shall have submitted with his bid the tabulation of Weightages and Source of Indices if different than those given in Appendix-C to Bid, which shall be subject to approval by the Engineer.

(d) Base, Current, and Provisional Indices

The base cost indices or prices shall be those prevailing on the day 28 days prior to the latest date for submission of bids. Current indices or prices shall be those prevailing on the day 28 days prior to the last day of the period to which a particular monthly statement is related. If at any time the current indices are not available, provisional indices as determined by the Engineer will be used, subject to subsequent correction of the amounts paid to the Contractor when the current indices become available.

(e) Adjustment after Completion

If the Contractor fails to complete the Works within the Time for Completion prescribed under Clause 43, adjustment of prices thereafter until the date of completion of the Works shall be made using either the indices or prices relating to the prescribed time for completion, or the current indices or prices, whichever is more favorable to the Procuring Entity / Employer, provided that if an extension of time is granted pursuant to Clause 44, the above provision shall apply only to adjustments made after the expiry of such extension of time.

(f) Weightages

The weightages for each of the factors of cost given in Appendix-C to Bid shall be adjusted if, in the opinion of the Engineer, they have been rendered unreasonable, unbalanced, or inapplicable as a result of varied or additional

work executed or instructed under Clause 51. Such adjustment(s) shall have to be agreed in the variation order.

73.1 Payment of Income Tax

The Contractor, Subcontractors and their employees shall be responsible for payment of all their income tax, super tax and other taxes on income arising out of the Contract and the rates and prices stated in the Contract shall be deemed to cover all such taxes.

73.2 Customs Duty & Taxes

(Procuring Entity may incorporate provisions where applicable)

74.1 Integrity Pact

If the Contractor or any of his Subcontractors, agents or servants is found to have violated or involved in violation of the Integrity Pact signed by the Contractor as Appendix-L to his Bid, then the Procuring Entity shall be entitled to:

- (a) recover from the Contractor an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by the Contractor or any of his Subcontractors, agents or servants;
- (b) terminate the Contract; and
- (c) recover from the Contractor any loss or damage to the Procuring Entity as a result of such termination or of any other corrupt business practices of the Contractor or any of his Subcontractors, agents or servants.

The termination under Sub-Para (b) of this Sub-Clause shall proceed in the manner prescribed under Sub-Clauses 63.1 to 63.4 and the payment under Sub-Clause 63.3 shall be made after having deducted the amounts due to the Procuring Entity under Sub-Para (a) and (c) of this Sub-Clause.

75.1 Termination of Contract for Procuring Entity's Convenience

If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Project Manager shall issue a certificate for the value of the work done and Materials ordered less advance payments received up to the date of the issue of the

certificate. If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be a debt payable to the Employer.

If the Contract is terminated for the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Project Manager shall issue a certificate for the value of the work done, materials ordered, the reasonable cost of removal of equipment, and the Contractor's costs of protecting and securing the Works, and less advance payments received up to the date of the certificate.

The Procuring Entity shall be entitled to terminate the Contract at any time for the Procuring Entity's convenience after giving 56 days prior notice to the Contractor, with a copy to the Engineer. In the event of such termination, the Contractor:

- (a) shall proceed as provided in Sub-Clause 65.7 hereof; and
- (b) shall be paid by the Procuring Entity as provided in Sub-Clause 65.8 hereof.

Payment upon term Termination

76.1 Liability of Contractor

The Contractor or his Subcontractors or assigns shall follow strictly, all relevant labour laws including the Workmen's Compensation Act and the Procuring Entity shall be fully indemnified for all claims, damages etc. arising out of any dispute between the Contractor, his Subcontractors or assigns and the labour employed by them.

77.1 Joint and Several Liability

If the Contractor is a joint venture of two or more persons, all such persons shall be jointly and severally bound to the Procuring Entity for the fulfillment of the terms of the Contract and shall designate one of such persons to act as leader with authority to bind the joint venture. The composition or the constitution of the joint venture shall not be altered without the prior consent of the Procuring Entity.

78.1 Details to be Confidential

The Contractor shall treat the details of the Contract as private and confidential, save in so far as may be necessary for the purposes thereof, and shall not publish or disclose the same or any particulars thereof in any trade or technical paper or elsewhere without the prior consent in writing of the Procuring Entity or the Engineer. If any dispute arises as to the necessity of any publication or disclosure for the purpose of the Contract, the same shall be referred to the decision of the Engineer whose award shall be final.

79.1 Resolution of Disputes

The Employer and the Contractor shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute between them under or in connection with the Contract. In the case of unresolved dispute between the Employer and the Contractor, the dispute shall be settled in accordance with the provisions of the [Rules Of The Employer's Country].

SPECIAL PROVISIONS (CIVIL WORKS)

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SPECIFICATIONS - SPECIAL PROVISIONS (CIVIL WORKS)

SP-1 GENERAL

SP-2 DESCRIPTION OF THE WORKS

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

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SP-3 SITE OF WORKS

Flood and Erosion Protection Arrangement of Villages/ Abadies of Moza Shah Nawaz, Jhoke Basharat Etc, and Agricultural Land along Left Bank of Indus River in District D.I.Khan As provided in the Drawings, BOQ and as instructed by the Engineer.

SP-4 SETTING OUT

Setting out data and control points for the construction of the Flood and Erosion Protection Arrangement will be provided by the Engineer following the Notice to Commence but, in any case, prior to start of work of each scheme.

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 are 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 program 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 or 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 21 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

manufacturers 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 as per G.C.C 37.2 & P.CC 14.1 by the engineer/employer. Contractor must submit Bill of landing 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 labour, materials, electricity, fuel, water, stores, apparatus and feedstock as may be reasonably required by the Employer to carry out the Tests. Further contractor shall make all kind of arrangements for third party inspection/ Witnessing of Factory Acceptance Tests (as stated and in conjunction with Sub-clause 37.2, Particular Conditions of Contract), of major components of HDPE/PVC pipe in 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 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 notarized 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 ten (10) years is available for a material, certain specified tests may be waived off by the Engineer.

14.3 Cost

Further to the provisions of Sub-Clause 36.3, Conditions of Contract, 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 [Bar Chart Identifying the critical activities], 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 as per Sub-Clause 15.6 below:

- 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.

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

Pursuant to the provisions of Sub-Clauses 34.4 to 34.7 of the Particular Conditions of Contract Part II. The Contractor may arrange these facilities in the nearby area of the Project or may request the Employer to provide land for providing temporary arrangements.

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 odors 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.

SP-20 PROVISION OF FACILITIES FOR THE ENGINEER STAFF/EMPLOYER

20.1 Facilities for Engineer/Employer's Staff:

(a) Site offices:

Contractor shall establish well furnish site office after commencement of work.

(b) Transport:

Contractor shall facilitate Engineers while conducting site visits.

(c) Office Equipment & Stationery:

Contractor will supply essential office equipment to the Engineer (including laptops/printer/scanner) and stationary free of cost considering the said amount is included in all items listed in Bill of Quantities.

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/Employer after successful handing taking over of project and expiration of defect liability period (12 Months).

20.3 Measurement and Payment

No extra/separate payment will be made to Contractor.

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.