



GOVERNMENT OF SINDH

**PROJECT DIRECTORATE
SHAHEED MOHTARMA BENAZIR BHUTTO TOWNS**

**INTERNAL DEVELOPMENT WORKS
(ROADS, WATER SUPPLY & SEWERAGE)
AT SMBBT, MIROKHAN**

Contract Package No: SMBBT/MRK /INF-001

BIDDING DOCUMENT

VOLUME-I



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BID DOCUMENTS

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INVITATION FOR BIDS

INVITATION FOR BIDS

Refer Notice Inviting Bids/Tenders published in News papers

INSTRUCTIONS TO BIDDERS

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INSTRUCTIONS TO BIDDERS

A. GENERAL

IB.1 Scope of Bid

- 1.1 Procuring agency as defined in the bidding data hereinafter called “the procuring agency” wishes to receive 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 Annexure “B”.

IB.2 Source of Funds

- 2.1 Procuring agency has received/allocated/ applied for loan/grant/ Federal/ Provincial/Local Government funds from the source(s) indicated in the bidding data in various currencies towards the cost of the project /scheme specified in the bidding data, and it is intended that part of the proceeds of this loan/grant/funds will be applied to eligible payments under the contract for which these bidding documents are issued.

IB.3 Eligible Bidders

- 3.1 This Invitation for Bids is open to all interested bidders who are eligible under provisions of Sindh Public Procurement Rules as mentioned below and the criteria given in the Notice Inviting Tender (NIT)/ Bidding Document.

Firms and individuals, national or international, may be allowed to bid for any project where international competitive bidding is feasible. Any conditions for participation shall be limited to those that are essential to ensure the bidder’s capability to fulfill the contract in question.

- a) Bidders may be excluded if;
 - i. as a matter of law or official regulations, commercial relations are prohibited with the bidder’s country by the federal government in case of ICB, or
 - ii. a firm is blacklisted/ debarred by the procuring agency and the matter has been reported to the Authority, subject to Rule 30 of Sindh Public Procurement Rules 2010.
- b) Government-owned enterprises or institutions may participate only if they can establish that they are;
 - i. legally and financially autonomous, and
 - ii. operate under commercial law.

Provided that where government-owned universities or research centers in the country are of a unique and exceptional nature, and their participation is critical to project implementation, they may be allowed to participate; and Bidders shall include all those contractors who are registered or incorporated in Pakistan, irrespective of the nationality of their owners and professional staff, or

c) Bidders are:-

- i. pre-qualified with procuring agency for particular project/scheme;
- ii. registered with Pakistan Engineering Council in particular category and discipline,
- iii. relevant experience
- iv. turnover of at least three years required
- v. registered with relevant tax authorities (income/sales tax, wherever applicable)

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 agency 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 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 bidders own expense.
- 6.2 The bidders and any of their personnel or agents will be granted permission by the procuring agency 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 agency, 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 (SSP RULE 21)

- 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.
- a. Instructions to Bidders.
 - b. Bidding Data.
 - c. General Conditions of Contract, Part-I (GCC).
 - d. Special Conditions of Contract, Part-II (SCC)
 - e. Specifications.
 - f. Form of Bid and Appendices to Bid.
 - g. Bill of Quantities (Appendix-D to Bid).
 - h. Form of Bid Security.
 - i. Form of Contract Agreement.

- j. Forms of Performance Security, Mobilization Advance Guarantee, Integrity Pact and Indenture bond for secured advance.
- k. 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 bidder's own risk. Pursuant to Clause IB.26, bids which are not substantially responsive to the requirements of the BD will be rejected.

IB.8 Clarification of Bidding Documents (SSP RULE 23(1)):

Any interested bidder requiring any clarification(s) in respect of the bidding documents may notify the procuring agency in writing at the procuring agency's address indicated in the Invitation for Bids/NIT. Procuring agency will respond to any request for clarification provided they are received at least five calendar days prior to the date of opening of bid.

Provided that any clarification in response to query by any bidder; shall be communicated to all parties who have obtained bidding documents.

IB.9 Addendum/Modification of Bidding Documents:

- 9.1 At any time prior to the deadline for submission of bids, the procuring agency may, for any reason, whether at his own initiative or in response to a clarification requested by a interested 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 IB 7.1 hereof and shall be communicated in writing to all bidders. Interested bidders shall acknowledge receipt of each addendum in writing to the procuring agency.
- 9.3 To afford bidders reasonable time in which to take an addendum into account in preparing their bids, the procuring agency may extend the deadline for submission of bids in accordance with 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 agency shall be in the language stipulated in the bidding data and Special Conditions of the 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 Each bidder shall:
 - a. submit a written authorization on the letterhead of the bidding firm, authorizing the signatory of the bid to act for and on behalf of the bidder;

- b. update the information indicated and listed in the bidding data and previously submitted with the application for prequalification, and continue to meet the minimum criteria set out in the prequalification documents, which as a minimum, would include the following :
 - i. Evidence of access to financial resources along with average annual construction turnover;
 - ii. Financial predictions for the current year and the following two years, including the effect of known commitments;
 - iii. Work commitments since prequalification;
 - iv. Current litigation information; and
 - v. Availability of critical equipment.

And

- c) furnish a technical proposal taking into account the various Appendices to Bid specially the following:

Appendix-E to Bid Proposed Construction Schedule

Appendix-F to Bid Method of Performing the Work

Appendix-G to Bid List of Major Equipment

Appendix-K to Bid Organization Chart for Supervisory Staff and other pertinent information such as mobilization programme etc;

11.2 Bids submitted by a joint venture of two (2) or more firms shall comply with the following requirements:

- a. 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;
- b. the bid, and in case of a successful bid, the Form of Contract Agreement shall be signed by the authorized partner so as to be legally binding on all partners;
- c. the partner-in-charge shall always be duly authorized to deal with the procuring agency 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 (a) above as well as in the Form of Bid and in the Form of Contract Agreement (in case of a successful bid);
- 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 partners without prior written consent of the procuring agency;

- f) submission of an alternative Letter of Intent to execute a Joint Venture Agreement shall be mandatory.

- 11.3 Bidders shall also submit proposals of work methods and schedule, in sufficient detail to demonstrate the adequacy of the bidders' proposals to meet the technical specifications and the completion time referred to sub-clause IB 1.2 hereof.

IB.12 Bid Prices

- 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 or prices submitted by the bidder or percentage quoted above or below on the rates of Composite Schedule of Rates (CSR), as the case may be.
- 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 agency when executed and shall be deemed to be covered by rates and prices for other items in the Bill of Quantities. In case of Composite Schedule of Rates, if the bidder fails to mention the percentage above or below, it shall be deemed to be at par with the rates of Composite Schedule of Rates.
- 12.3 The bid price submitted by the contractor shall include all rates and prices including the taxes. All duties, taxes and other levies payable by the contractor under the contract, or for any other cause during the currency of the execution of the work or otherwise specified in the contract as on the date seven days prior to the deadline for submission of bids.

Additional / reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be reimbursed / deducted as per Sub-Clause 13.7 of the General Conditions of Contract Part-I.

- 12.4 The rates and prices quoted by the bidders are subject to adjustment during the performance of the contract in accordance with the provisions of Clause 13.7 of GCC. The bidders shall furnish the prescribed information for the price adjustment formulae in Appendix-C to Bid, and shall submit with their bids such other supporting information as required under the said Clause. Adjustment in prices quoted by bidders shall be allowed as per Sub-Para 4(ii) of Section C of Instructions to bidders and bidding data.

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. A bidder expecting to incur expenditures in other currencies for inputs to the works supplied from outside the procuring agency's country (referred to as the "Foreign Currency Requirements") shall indicate the same in Appendix-B to Bid. The proportion of the bid price (excluding Provisional Sums) needed by him for the payment of such Foreign Currency Requirements either (i) entirely in the currency of the bidder's home country or, (ii) at the bidder's option, entirely in Pak rupees

provided always that a bidder expecting to incur expenditures in a currency or currencies other than those stated in (i) and (ii) above for a portion of the foreign currency requirements, and wishing to be paid accordingly, shall indicate the respective portions in the bid.

- 13.2 The rates of exchange to be used by the bidder for currency conversion shall be the selling rates published and authorized by the State Bank of Pakistan prevailing on the date, 07 (seven) days prior to the deadline for submission of bids. For the purpose of payments, the exchange rates used in bid preparation shall apply for the duration of the contract.

IB.14 Bid Validity

- 14.1 Bids shall remain valid for the period stipulated in the bidding data from the date of opening of bid specified in clause IB.23.
- 14.2 In exceptional circumstances, prior to expiry of the original, the procuring agency may request the bidders to extend the period of validity for a specified additional period, which shall not be for more than one third of the original period of bid validity. The request and the responses thereto, shall be made in writing. A bidder may refuse the request without the forfeiture of the bid security. In case, a bidder agreed to the request, shall not be required or permitted to modify the bid, but will be required to extend the validity of the 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 the 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, Pay order or a bank guarantee issued by a Scheduled Bank in Pakistan or from a foreign bank duly counter guaranteed by a Scheduled Bank in Pakistan in favour of the procuring agency, which should commensurate with the bid validity period. The bank guarantee for bid security shall be acceptable in the manner as provided at Annexure BS-1
- 15.3 Any bid not accompanied by an acceptable bid security shall be rejected by the procuring agency as non-responsive.
- 15.4 Bid security shall be released to the unsuccessful bidders once the contract has been signed with the successful bidder or the validity period has expired.
- 15.5 The bid security of the successful bidder shall be returned when the bidder has furnished the required Performance Security and signed the Contract Agreement.
- 15.6 The bid security may be forfeited:
- a. if the bidder withdraws his bid except as provided in sub- clause IB 22.1;
 - b. if the bidder does not accept the correction of his bid price pursuant to sub-clause 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 Contract Agreement.

IB.16 Alternate Proposals/Bids

- 16.1 Each bidder shall submit only one bid either by himself, or as a member of a joint venture, until and unless they have been requested or permitted for alternative bid, then he has to purchase separate bidding documents and alternate bid shall be treated as separate bid.
- 16.2 Alternate proposals are allowed only for procurement of works where technical complexity is involved and more than one designs or technical solutions are being offered. Two stage two envelope bidding procedure will be appropriate when alternate proposal is required.
- 16.3 Alternate bid(s) shall contain (a) relevant design calculations; (b) technical specifications; (c) proposed construction methodology; and (d) any other relevant details / conditions, provided that the total sum entered on the Form of Bid shall be that which represents complete compliance with the bidding documents.

IB.17 Pre-Bid Meeting

- 17.1 Procuring agency may, on his own motion or at the request of any bidder, hold a pre-bid meeting to clarify issues and to answer any questions on matters related to the bidding documents. The date, time and venue of pre-bid meeting, if convened, shall be communicated to all bidders. All bidders or their authorized representatives shall be invited to attend such a pre-bid meeting at their own expense.
- 17.2 The bidders are requested to submit questions, if any, in writing so as to reach the Procuring agency 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 bidders. Any modification of the bidding documents listed in sub- clause IB 7.1 hereof, which may become necessary as a result of the pre-bid meeting shall be made by the procuring agency 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 Alteration is not to be made neither 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 without alterations and shall provide an original copy along with photocopies as per the requirement of the procuring agency specified in the bidding data. The original as well as copies of the document shall be clearly marked as “ORIGINAL” and „COPY”, as the case may be. If there is any discrepancy between original and copy (ies) then 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(s) duly authorized to sign on behalf of the bidder pursuant to sub- clause IB 11.1(a) hereof. All pages of the bid shall be initialed and stamped by the person(s) signing the bid.
- 18.6 The bid shall contain no alterations, omissions or additions, except to comply with instructions issued by the procuring agency, or as are necessary to correct errors made by the bidder. Such corrections shall be initialed by the person(s) signing the bid.
- 18.7 Bidders shall indicate in the space provided in the Form of Bid their full and proper postal 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 ----- COPIES of the bid shall be separately sealed and put in separate envelopes and marked as such.
 - b. The envelopes containing the ORIGINAL and COPIES shall be put in one sealed envelope and addressed as given in sub – clause IB 19.2 hereof.
- 19.2 The inner and outer envelopes shall:
- a. be addressed to the procuring agency at the address provided in the bidding data;
 - 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 IB 19.2 hereof, the inner envelope shall indicate the name and postal 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 agency will assume no responsibility for the misplacement or premature opening of the Bid.

IB.20 Deadline for Submission of Bids

- 20.1 (a) Bids must be received by the procuring agency at the address specified not later than the time and date stipulated in the bidding data,
- (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 shall 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 Agency may, at its discretion, extend the deadline for submission of bids by issuing an amendment in accordance with IB 09. In such case, all rights and obligations of the procuring agency and the bidders shall remain the same as mentioned in the original deadline.

IB.21 Late Bids

- a. any bid received by the procuring agency after the deadline for submission of bids prescribed in to clause IB 20 shall be returned unopened to such bidder.
- b. delays in the mail, person in transit, or delivery of a bid to the wrong office shall not be accepted as an excuse for failure to deliver a bid at the proper place and time. It shall be the bidder's responsibility to submit the bid in time.

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 agency prior to the 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 to sub - clauses IB 22.1 and IB 27.2.
- 22.4 Withdrawal of a bid during the interval between the deadlines 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.

IB.23 Bid Opening

- 23.1 Procuring agency will open the bids, including withdrawals, substitution and modifications made pursuant to Clause IB.22, in the presence of bidders' representatives who choose to attend, at the time, date and location stipulated in the bidding data. The bidders or their representatives who are in attendance shall sign an attendance sheet.
- 23.2 Envelopes marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" shall be opened and read out first. Bids for which an acceptable notice of withdrawal has been submitted pursuant to clause IB.22 shall not be opened.

- 23.3 Procuring agency shall read aloud the name of the bidder, total bid price and price of any Alternate Proposal(s), if any, discounts, bid modifications, substitution and withdrawals, the presence or absence of bid security, and such other details as the procuring agency may consider appropriate, and total amount of each bid, and of any alternative bids if they have been requested or permitted, shall be read aloud and recorded when opened.
- 23.4 Procuring Agency shall prepare minutes of the bid opening, including the information disclosed to those present in accordance with the sub-clause IB.23.3.

IB.24 Process to be Confidential. (SPP Rule 53)

- 24.1 Information relating to the examination, clarification, evaluation and comparison of bid and recommendations for the award of a contract shall not be disclosed to bidders or any other person not officially concerned with such process before the announcement of bid evaluation report in accordance with the requirements of Rule 45, which states that Procuring agencies shall announce the results of bid evaluation in the form of a report giving reasons for acceptance or rejection of bids. The report shall be hoisted on website of authority and that of procuring agency if it website exists and intimated to all bidders at least seven (7) days prior to the award of contract. 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 agency'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 as per Rule 31; however mere fact of lodging a complaint shall not warrant suspension of the procurement process.

IB.25 Clarification of Bid (SPP Rule 43)

- 25.1 To assist in the examination, evaluation and comparison of bids, the procuring agency may, at its discretion, ask any bidder for clarification of the 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 agency in the evaluation of the bids in accordance with clause IB 28.

IB.26 Examination of Bids and Determination of Responsiveness

- 26.1 Prior to the detailed evaluation of bids, the procuring agency will determine whether the bidder fulfills all codal requirements of eligibility criteria given in the tender notice such as registration with tax authorities, registration with PEC (where applicable), turnover statement, experience statement, and any other condition mentioned in the NIT and bidding document. If the bidder does not fulfill any of these conditions, it shall not be evaluated further.
- 26.2 Once found to be fulfilling the eligibility criteria, as mentioned in sub- clause 26.1, the bids of eligible bidders will be evaluated for technical responsiveness as per specification and criteria given in the bidding documents. Technical and financial evaluations may be carried out in accordance with single stage-single one envelope, single stage-two envelopes, two stage or two stage-two envelopes bidding procedures, depending on the selection procedure adopted by the procuring agency.

- 26.3 A bid will be considered technically responsive if it (i) has been properly signed; (ii) is accompanied by the required bid security; and (iii) 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 agency'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.
- 26.4 If a bid has major deviations to the commercial requirements and technical specifications will be considered technically non responsive. As a general rule, major deviations are those that if accepted, would not fulfill the purposes for which the bid is requested, or would prevent a fair comparison or affect the ranking of the bids that are compliant with the bidding documents.

(A). Major (material) Deviations include:-

- i. has been not properly signed;
- ii. is not accompanied by the bid security of required amount and manner;
- iii. stipulating price adjustment when fixed price bids were called for;
- iv. failing to respond to specifications;
- v. failing to comply with Mile-stones/Critical dates provided in Bidding Documents;
- vi. sub-contracting contrary to the Conditions of Contract specified in Bidding Documents;
- vii. refusing to bear important responsibilities and liabilities allocated in the Bidding Documents, such as performance guarantees and insurance coverage;
- viii. taking exception to critical provisions such as applicable law, taxes and duties and dispute resolution procedures;
- ix. a material deviation or reservation is one :
 - a. which affect in any substantial way the scope, quality or performance of the works;
 - b. adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

(B) Minor Deviations

Bids that offer deviations acceptable to the Procuring Agency and which can be assigned a monetary value may be considered substantially responsive at least as to the issue of fairness. This value would however be added as an adjustment for evaluation purposes only during the detailed evaluation process.

- 26.5 If a bid is not substantially responsive, it will be rejected by the procuring agency, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

IB.27 Correction of Errors before Financial Evaluation

- 27.1 Bids determined to be substantially responsive will be checked by the procuring agency for any arithmetic errors. Errors will be corrected by the procuring agency 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 agency 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 agency in accordance with the above procedure for the correction of errors and with the concurrence of the bidders. The amount thus corrected 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 IB 15.6(b) hereof.

IB.28 Financial Evaluation and Comparison of Bids

- 28.1 The procuring agency 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 agency 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 (if any), for contingencies in the Summary Bill of Quantities, but including competitively priced Day work; and
 - c. making an appropriate adjustment for any other acceptable variation or deviation.
- 28.3 The estimated effect of the price adjustment provisions of the conditions of contract, applied over the period of execution of the contract, shall not be taken into account in bid evaluation.
- 28.4 If the bid of the successful bidder is seriously unbalanced in relation to the procuring agency's estimate of the cost of work to be performed under the contract, the procuring agency 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 agency 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 agency against financial loss in the event of default of the successful bidder under the contract.

28.5 Bidders may be excluded if involved in **“Corrupt and Fraudulent Practices”** means either one or any combination of the practices given below SPP Rule2 (q);

- i. **“Coercive Practice”** means any impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;
- ii. **“Collusive Practice”** means any arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;
- iii. **“Corrupt Practice”** means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;
- iv. **“Fraudulent Practice”** means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
- v. **“Obstructive Practice”** means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights provided for under the Rules.

28.6 Evaluation Report (SPP Rule 45)

After the completion of evaluation process, as described in clauses IB 27 and IB 28, the procuring agency shall announce the results of bid evaluation in the form of report (available on the website of the authority) giving reasons for acceptance and rejection of bid. The report shall be hoisted on website of the authority and that of procuring agencies if its website exists and intimated to all bidders at least seven (7) days prior to the award of contract.

F. AWARD OF CONTRACT

IB.29 Award (SPP Rule 49)

- 29.1 Subject to clauses IB 30 and IB 34 and provision of the rule: The procuring agency shall 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, but not necessarily the lowest submitted price, within the original or extended period of bid validity. Provided that such bidder has been determined to be eligible in accordance with the provisions of clause IB 03 and qualify pursuant to sub-clause IB 29.2.

- 29.2** Procuring agency, at any stage of the bid evaluation, having credible reasons for or having *prima facie* evidence of any deficiency(ies) in contractor's capacities, may require the contractor to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not for the said project.

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

IB.30 Procuring Agency's Right to reject all Bids or Annul/Cancellation the Bidding Process (SPP Rule 25)

Notwithstanding clause IB 29 and provision of the rule: (1) A procuring agency reserves may cancel the bidding process at any time prior to the acceptance of a bid or proposal; (2) The procuring agency shall incur no liability towards bidders solely by virtue of its invoking sub –rule (1); (3) Intimation of the cancellation of bidding process shall be given promptly to all bidders and bid security shall be returned along with such intimation; (4) The procuring agency shall, upon request by any of the bidders, communicate to such bidder, grounds for cancellation of the bidding process, but is not required to justify such grounds.

IB.31 Notification/Publication of the Award of Contract (SPP Rule 25).

- 31.1 Prior to expiry of the period of bid validity, including extension, prescribed by the procuring agency, the procuring agency shall notify the successful bidder in writing ("Letter of Acceptance") that his bid has been accepted. This letter shall mention the sum which the procuring agency will pay to 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 agency may hold meetings to 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 agency and the bidder till signing of the formal Contract Agreement.
- 31.4 Upon furnishing by the successful bidder of a Performance Security and signing of the contract, the procuring agency will promptly notify the name of the successful bidder to all bidders and return their bid securities accordingly.
- 31.5 Within seven days of the award of contract, procuring agency shall publish on the website of the Authority and on its own website, if such a website exists, the results of the bidding process, identify the bid through procurement identifying numbers, and the following information:
1. Evaluation Report;
 2. Form of Contract and letter of Award;
 3. Bill of Quantities or Schedule of Requirement.

31.6 Debriefing (SPP Rule 51).

- a. A bidder may ask the procuring agency for reasons for non acceptance of his bid and may request for a debriefing meeting and procuring agency shall give him the reasons for such non acceptance, either in writing or by holding a debriefing meeting with such a bidder.
- b. The requesting bidder shall bear all the costs of attending such a debriefing.

IB.32 Performance Security (SPP Rule 39)

- 32.1 The successful bidder shall furnish to the procuring agency a Performance Security in the form of pay order or demand draft or bank guarantee, and the amount stipulated in the bidding data and the Conditions of Contract within a period of 28 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.
- 32.3 Validity of performance security shall extend at least ninety days beyond the date of completion of contract, or as mentioned in the bidding data to cover defects liability period or maintenance period subject to final acceptance by the procuring agency.

IB.33 Signing of Contract Agreement (SPP Rule 39)

- 33.1 Within 14 days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, the procuring agency 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 agency and the successful bidder shall be executed within 14 days of the receipt of the Contract Agreement by the successful bidder from the procuring agency.
- 33.3 A procurement contract shall come into force when the procuring agency requires signs contract, the date on which the signatures of both the procuring agency and the successful bidder are affixed to the written contract. Such affixing of signatures shall take place within the time prescribed in the bidding documents.

Provided that the procuring agency may reduce the maximum time limit for signing of contract, as and when required, and shall be mentioned in the bidding documents.

33.4 Stamp Duty.

The formal Agreement between the Procuring Agency and the successful bidder shall be duly stamped at rate of 0.35% of bid price (updated from time to time) stated in Letter of Acceptance.

IB.34 General Performance of the Bidders

Procuring agency may in case of consistent poor performance of the contractor and his failure to remedy the underperforming contract may take such action as may be deemed appropriate under the circumstances of the case including the rescinding the contract and/or black listing of such contractor and debarring him from participation in future bidding process.

IB.35 Integrity Pact (SPP Rule 89)

The bidder shall sign and stamp the Integrity Pact provided at Appendix-L to the bidding documents for all Provincial/Local Government procurement contracts exceeding Rupees ten million. Failure to provide such Integrity Pact shall make the bidder non-responsive.

IB.36 Instructions not Part of Contract

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.

IB.37 Arbitration (SPP Rule 34)

Any dispute that is not amicably resolved shall be finally settled, unless otherwise specified in the Contract, under the Arbitration Act 1940 updated from time to time and would be held anywhere in the Province of Sindh at the discretion of procuring agency.

BIDDING DATA

Bidding Data

Instructions to Bidders

Clause Reference

- 1.1 Name and address of the procuring agency:
Project Directorate, Shaheed Mohtarma Benazir Bhutto Towns
Apollo Centre, Near Bahria University,
Stadium Road, Karachi
- 1.2 Name of the Project and Summary of the works:

The Work under this contract comprises “Internal Development Works (Roads, Water Supply, Sewerage and electricity) at Shaheed Mohtarma Benazir Town, at Miro Khan”. Contract Package No: SMBBT/MRK/INF-001.
- 1.2 The successful bidder will be expected to complete the works within the time specified in Special Stipulations (Appendix-A).
- 2.1 Name of the Funding Source;
Government of Sindh
- 3.1 Delete IB Clause 3.1 (c) (i)
- 2.1 Type of Financing/Scheme Cost
ADP
- 8.1 Time limit for clarification:
The written clarification should reach the addressee of the NIT on any working day but not later than 5 working days prior to last date of submission.
- 10.1 Bid language:
English
- 11.1 Bidder must furnish technical proposal and provide

Evaluation/Qualification Criteria:

Mandatory Provisions/Eligibility: Firms/Contractors must possess

- (i) Valid registration certificate of PEC in the category C-4 or above and in discipline (CE01, CE09 & EE04), (Attach valid PEC certificate):
Single Entity: Must Meet
Joint Venture: Lead Member must meet, other members C-4 or above and in discipline (CE01, CE09 & EE04).
- (ii) Valid registration certificate from income tax authority (NTN) (Attach NTN Certificate);
Single Entity: Must Meet
Joint Venture: Lead Member must meet, other members must meet

- (iii) Firm/Contractor/Company is not black listed. (Attach all required forms, certificates and affidavit of not black listing)
Single Entity: Must Meet
Joint Venture: Lead Member must meet, other members must meet
- (iv) No conflict of interest (Attach all required forms, certificates and affidavit);
Single Entity: Must Meet
Joint Venture: Lead Member must meet, other members must meet
- (v) Joint Venture: Lead Member must meet, other members must meet
Litigation History (Attach all required forms, certificates and affidavit);
Single Entity: Must Meet
Joint Venture: Lead Member must meet, other members must meet
- (vi) History of Non performing Contracts (Attach all required forms, certificates and affidavit); Single Entity: Must Meet
Joint Venture: Lead Member must meet, other members must meet
- (vii) Failure to sign contracts (Attach all required forms, certificates and affidavit);
Single Entity: Must Meet
Joint Venture: Lead Member must meet, other members must meet

Specific Construction Experience and past performance.

- (viii) Have successfully/substantially completed Two (2) similar assignments having cost of each at least 63 million in the last five (5) years.
Minimum PKR 63 million each
Single Entity: Must Meet
Joint Venture: Lead Member must meet, other member's one contract

Financial situation (Historical Financial Performance)

- (ix) **Average Annual Construction turnover:** PKR 79 million
(Minimum average annual construction turnover as mentioned above, calculated as total certified payments received for contracts in progress or completed, within the last three (03) years, Submit Audited Balance Sheet of the Bidder)

Single Entity: Must Meet

Joint Venture: Lead Member must meet 75% other members must meet 25% each member

(Attach Documentary evidence of financial position audited accounts of the last Three (3) years.

13.1 Bidders to quote entirely in Pak. Rupees, foreign currency is not applicable.

- 14.1 Period of Bid Validity:
90 days as per SPP Rules 2010
- 15.1 Amount of Bid Security:
As per NIT
- 16.1 Alternate bid:
Alternate Bid is not allowed
- 17.1 Venue, time, and date of the pre-Bid meeting:
Meeting will not take place
- 18.4 Number of copies of the bid to be completed and returned:
One original only
- 19.1 Bidding is being done on Single Stage One Envelope Procedure.
- 19.2 (a) Procuring Agency's address for the purpose of bid submission:
As per NIT
(b) Name and Identification Number of the Contract:
As per NIT
- 20.1 (a) Deadline for submission of bids:
As per NIT
(b) Venue, time, and date of bid opening:
As per NIT
- 28.4 If the successful bidder failed to submit Performance Security of increased amount within fourteen (14) days of demand by the PA, his bid shall be cancelled and his bid security shall be forfeited.
- 32.1 Standard form and amount of Performance Security acceptable to the procuring agency:
5% of Contractual Value in shape of Bank Guarantee in the format as specified in the format attached at Annexure "D"
- 32.3 Stamp duty
The Contract will be executed on a non-judicial stamp paper of the value @ 0.35% of the contract value. The cost of the stamp duty shall be borne by the successful bidder.

**FORM OF BID
AND
APPENDICES TO BID**

FORM OF BID

Bid Reference No. _____
(Name of Contract/Work)

To:

1. Having examined the bidding documents including Instructions to Bidders, Bidding Data, and Conditions of Contract, Specifications, Drawings and Bill of Quantities and Addenda Nos. _____ for the execution of the above-named work, we/I, the undersigned, offer to execute and complete the work and remedy any defects therein in conformity with the Conditions of Contract, Specifications, Drawings, Bill of Quantities and Addenda for the sum of Rs. _____ (Rupees _____) or such other sum as may be ascertained in accordance with the said conditions.
1. We/I 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/I submit herewith a bid security in the amount of Rupees _____ (Rs. _____) drawn in your favour or made payable to procuring agency and valid for a period of _____ days beginning from the date, bid is opened.
4. We/I 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/I agree to abide by this bid for the period of _____ days from the date fixed for opening 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.

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

9. We undertake, if our/my bid is accepted, to execute the Performance Security referred to in Clause 10 of Conditions of Contract for the due performance of the Contract.
10. We confirm, if our bid is accepted, that all partners of the joint venture shall be liable jointly and severally for the execution of the Contract and the composition or the

constitution of the joint venture shall not be altered without the prior consent of the procuring agency. (Please delete this in case of Bid form a single bidder)

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

Dated this _____ day of _____ 20_____

Signature: _____

(Name of Bidder in Block Capitals)
(Seal)

Address: _____

Witness:

Signature: _____

Name: _____

Address: _____

Occupation: _____

Appendix-A to Bid
SPECIAL STIPULATIONS

Clause

Conditions of Contract

1.	Engineer representing Consulting Firm hired by the procuring agency to issue variation in case of emergency.	3.1	<i>Up to 2% of the contract price stated in the Letter of Acceptance.</i>
2.	Amount of Performance Security	4.2	5% of contract price stated in the Letter of Acceptance in the shape of bank guarantee.
3.	Time for Furnishing Programme	8.3	Within 07 days from the date of receipt of Letter of Acceptance.
4.	Minimum amount of Insurance Cover	18.1, 18.2, 18.3 and 18.4	<p>Type of cover The Works</p> <p>Amount of cover The sum stated in the Letter of Acceptance plus fifteen percent (15%)</p> <p>Type of cover Contractor's Equipment:</p> <p>Amount of cover Full replacement cost plus fifteen percent (15%)</p> <p>Type of cover Third Party-injury to persons and damage to property</p> <p>The Third Party compensation Policy must contain following conditions of indemnification per occurrence with the number of occurrence unlimited:</p> <ul style="list-style-type: none"> i) in case of death, Pak Rs. 1,000,000/= per person ii) in case of major injury, Pak Rs. 500,000/= per person iii) in case of minor injury, Pak Rs. 100,000/= per person iv) in case of damage to property, full amount of repair/replacement as the case may be. <p>Workers:</p> <ul style="list-style-type: none"> i) in case of death, Pak Rs. 1,000,000/= per person ii) in case of major injury, Pak Rs. 500,000/= per person iii) in case of minor injury, Pak Rs. 100,000/= per person

			Other cover: Contractor's All Risk Policy (In each case name of insured is Contractor and Procuring Agency)
5.	Time for Commencement	8.1	Within 07 days from the date of receipt of Engineer's Notice to Commence, this shall be issued within fourteen (14) days after signing of Contract Agreement.
6.	Time for Completion (works & sections)	8.2 & 10.2	300 days (10 months) from the date of receipt of Engineers Notice to Commence.
7.	Amount of Liquidity Damages/Delay Damages/Penalties	8.7	0.1% of contract price per day but total amount will not be more than 10% of contract Price.
8.	Defects Liability Period	11.1	365 days from the effective date of Taking Over Certificate.
9.	Adjustment for changes in cost	13.8	Not Applicable
10.	Percentage of Retention Money	14.2	10 % of the amount of Interim/Running Payment Certificate.
11.	Limit of Retention Money	14.2	5 % of Contract Price stated in the Letter of Acceptance.
12.	Minimum amount of Interim/Running Payment Certificates	14.2	10% of contractual amount
13.	Time of Payment from delivery of Engineer's Interim/Running Payment Certificate to the procuring agency.	14.7	30 days.
14.	Mobilization Advance.	14.2	N/A

FOREIGN CURRENCY REQUIREMENTS

1. The bidder may indicate herein below his requirements of foreign currency (if any), with reference to various inputs to the works.
2. Foreign Currency Requirement as percentage of the bid price excluding Provisional Sums _____%.
3. Table of Exchange Rates

Unit of Currency	Equivalent in Pak. Rupees
Australian Dollar	-----
Euro	-----
Japanese Yen	-----
U.K. Pound	-----
S. Dollars	-----
-----	-----
-----	-----

"Not Applicable"

PRICE ADJUSTMENT UNDER CLAUSE 13.8 OF CONDITIONS OF CONTRACT

A. Weight ages or coefficients are used for price adjustment.

The source of indices and the weight ages or coefficients for use in the adjustment formula under Clause 13.8 shall be as follows:

(To be filled by the procuring agency)

Cost Element	Description	Weight ages	Applicable index
1	2	3	4
(i)	Fixed Portion	0.350	
(ii)	Cement – in bags		Government of Pakistan (GoP) Federal Bureau of Statistics (FBS) Monthly Statistical Bulletin.
(iii)	Reinforcing Steel		
(iv)	Bitumen		“ “ “
Total		1.000	

Notes:

- 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 15 days prior to the latest day for submission of bids. Current indices or prices shall be those applying 28 days prior to the last day of the billing period.
- Any fluctuation in the indices or prices of materials other than those given above shall not be subject to adjustment of the Contract Price.
- Fixed portion shown here is for typical road project, procuring agency to determine the weight age of Fixed Portion considering only those cost elements having cost impact of seven (7) percent or more on his specific project.

B When Escalation is allowed on the materials only.

Price adjustment on following items shall be allowed

Cost Element	Description	Base price	Applicable index
1	2	3	4
(i)	Cement – in bags		Government of Pakistan (GoP) Federal Bureau of Statistics (FBS) Monthly Statistical Bulletin. “ “
(ii)	Reinforcing Steel		“ “ “
(iii)	Bitumen		“ “ “
(iv)	RCC Pipe		“ “ “
(v)	uPVC pipes		“ “ “
Total five items.			

Notes:

1. Cost element “(i)” to “(iii)” is taken from the Government of Pakistan Federal Bureau of Statistics, Monthly Statistical Bulletin. The base cost or prices shall be those applying 15 days prior to the latest day for submission of bids. Current indices or prices shall be those applying 28 days prior to the last day of the billing period.
2. Any fluctuation in the prices of materials other than those given above shall not be subject to adjustment of the Contract Price.

BILL OF QUANTITIES

Preamble

1. The Bill of Quantities shall be read in conjunction with the Instructions to Contractors, General and Particular Conditions of Contract, Specifications and Drawings.
2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of Work ordered and carried out, as measured by the Contractor and verified by the Engineer and valued at the rates and prices bid in the Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix within the terms of the Contract.
3. Any items of work / material shown in the drawings or identified in the specifications and not shown in the BOQ, cost of such work / material shall be deemed to have been included in the rates for items given in the BOQ. No additional payment shall be made for such work / material.
4. The rates and prices bid in the Bill of Quantities shall, except insofar as it is otherwise provided under the Contract, include all Constructional Plant, labour, supervision, materials, erection, maintenance, insurance, profit, taxes and duties, together with all general risks, liabilities and obligations set out or implied in the Contract.
5. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the Bill of Quantities, and where no Items are provided the cost shall be deemed to be distributed as the percentage entered in Bid BOQ.
6. General directions and descriptions of Work and materials are not necessarily repeated or summarized in the Bill of Quantities. Reference to the relevant sections of the Contract Documents shall be made before entering percentage against cost of the total work.
7. Wherever concrete is in contact with natural ground, SR cement shall be used in concrete instead of ordinary portland cement.

BILL OF QUANTITIES

**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
(ROAD, WATER SUPPLY AND SEWERAGE)
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, MIROKHAN
CONTRACT PACKAGE NO. SMBBT/MRK/INF-001**

BILL OF QUANTITIES

**Addendum # 01
SUMMARY OF BILLS**

BILL No.	DESCRIPTION	TOTAL (Rs.)
1	ROAD WORKS	
2	SEWERAGE	
3	WATER SUPPLY	
4	ENGINEER'S FACILITIES	
5	CIVIL WORKS ENTRANCE GATE	
6	ELECTRICAL WORKS	
	TOTAL COST OF PROJECT	

SEAL OF THE COMPANY

INITIAL

SIGNATURE OF BIDDER

**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
(ROAD, WATER SUPPLY AND SEWERAGE)
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, MIROKHAN
CONTRACT PACKAGE NO. SMBBT/MRK/INF-001**

BILL OF QUANTITIES

Addendum # 01

Bill No. 1 : ROAD WORKS

Item #	Item Description	Unit	Estimated Qty.	Rate	Amount
1	Clearing and Grubbing the site by cutting, uprooting and removing all rubbish shrubs including disposal to designated places (Vol-III (Highways) Chap-1, Pg-1, Sr. 1)	Sq.ft.	244,230	0.97	237,074
2	Compaction of Natural Grounds upto depth of 20 cm (8" inch) below the natural ground level compacted upto 95% density modified AASHTO (Vol-III (Highways) Chap-1, Pg-1, Sr. 2)	Sq.ft.	244,230	1.78	433,655
3	Earth work excavation in ashes, sand soft soil, or silt clearance undressed lead upto 50 feet. Vol-III, Part-II, Chap-1, Pg-1, Sr. 2)	Cu.ft.	500	1.66	832
4	Earth work embankment from borrow pits including laying in 6" layers, clod breaking ramming dressing complete, lead upto 100 ft: lift upto 5 ft: (Inordinary soil) (Vol-III (Highways) Chap-1 Pg-1, Sr. 5)	Cu.ft.	900,000	8.40	7,558,686
5	Preparation of Sub Grade including earth excavation or filling to an average depth of 9" dressing to camber and consolidation with power roller (Vol-III (Highways) Chap-2, Pg-2, Sr. 9)	Sq.ft.	800	5.26	4,210
6	Preparing Sub-Base by supplying and spreading well graded pit or bed run gravel having a liquid limit not greater than 25 and plasticity index not greater than 6 in proper camber and grade including watering rolling and compacting in layers, thickness of each compacted layer not exceeding 6" compacted upto 98-100% density as per modified AASHO density (Rate i/c all cost of materials T&P and carriage upto 3 chains). (Vol-III (Highways) Chap-2, Pg-4, Sr. 11d)	Cu.ft.	72,152	33.42	2,411,111
7	Providing and Laying Aggregate base course in proper grade and camber having CBR 80% as per AASHTO standard specifications i/c spreading and compacting by approved mechanical means (Motor grader, Vibratory roller and Smooth wheel roller etc) watering to maintain the moisture content the compaction of each layer shall 100 percent to the max dry density (Rate i/c all cost of materials T&P and carriage upto 3 chains). (Vol-III (Highways) Chap-2, Pg-5, Sr. 13b)	Cu.ft.	9,983	55.42	553,282
8	(a) Preparing sub- base course by supplying and spread-ing stone metal 1-1/2"-2" guage of approved quality from approved quarry in required thickness to proper camber and grade including hand packing filling voids with 20 cft: of pit / canal sand having plasticity index not more than 6% of suitable quality, watering and compacting to achieve 98-100% density as per modified AASHO specifications (Rate includes all cost of materials T&P and carriage upto 3 chains). (Vol-III (Highways) Chap-2, Pg-3, Sr. 11a)	Cu.ft.	64,329	43.82	2,818,742

Contd.....

**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
(ROAD, WATER SUPPLY AND SEWERAGE)
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, MIROKHAN
CONTRACT PACKAGE NO. SMBBT/MRK/INF-001**

BILL OF QUANTITIES

Addendum # 01

Bill No. 1 : ROAD WORKS

Item #	Item Description	Unit	Estimated Qty.	Rate	Amount
9	Applying priming coat or tack coat with approved binder at the required rate including cleaning the road surface thoroughly, heating to the required temperature and spraying the binder with pressure as directed etc, complete. (Vol-III (Highways), Pg-12, Sr. 31)	Sq.ft.	14,900	0.65	9,679
10	Providing surface dressing 1st coat on new or existing surface with 40 lbs bitumen and 5.0 Cft: of bajri of required size including cleaning the road surface rolling etc, complete.(Rate includes all cost of materials T&P and carriage upto 3 chains). (Vol-III (Highways), Pg-6, Sr. 15A)	Sq.ft.	128,658	19.88	2,557,361
11	Asphaltic Wearing Course - Class B P/L in single layer of 5 CM compacted thickness of bituminous wearing course on the following job mix formula. US STANDERED SIEVE % PASSED BY WEIGHT 1" (25mm) 100 ¾" (19 mm) 90-100 ½" (12.5 mm) 75.00 3/8"(905 mm) 56.70 No.04 (4.75 mm) 30-50 No.08 (2.38 mm) 23.35 No.50 (0.30 mm) 05.12 Asphalt (60/70 grade) content weight 4.5% of total mix. (Use of natural sand in original form is strictly prohibited in job mix formula). Prior to the paving of asphalt concrete, surface shall be cleaned from rubbish etc and must be sticky by virtue to tack of prime coat to make un-slippery bandage. During laying the temperature of asphalt concrete shall not be less than 140 degree Centigrade. Asphalt concrete shall be laid with paver and compacted by steel and pneumatic type roller at a density of 100% of the maximum dry density determined according to AASHTO-T-180 method D (Modified) Asphalt concrete wearing course shall be 100Kg (minimum) on stability and 20% (maximum) on loss so stability at marshal test criteria. All the material and methodology shall fully comply to the tests and specification of AASHTO and as directed by the Engineer Incharge	Sq.ft.	14,900	82.75	1,232,935
	(Vol-III (Highways) Pg-9, Sr. 24b)				

Contd.....

**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
(ROAD, WATER SUPPLY AND SEWERAGE)
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, MIROKHAN
CONTRACT PACKAGE NO. SMBBT/MRK/INF-001**

BILL OF QUANTITIES

Addendum # 01

Bill No. 1 : ROAD WORKS

Item #	Item Description	Unit	Estimated Qty.	Rate	Amount
12	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without shuttering Ratio 1:3:6 (For Edge Block) (Vol-III, Part-II, Chap-4, Pg-16, Sr. 5-f, h & i)	Cu.ft.	330	125.95	41,564
Total Bill No. 1 : ROAD WORKS					17,859,131
We Quote% above/below on schedule items					
PERCENTAGE IN WORDS:					
Total Bill No. 1 : ROAD WORKS					

SEAL OF THE COMPANY

INITIAL

SIGNATURE OF BIDDER

**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
(ROAD, WATER SUPPLY AND SEWERAGE)
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, MIROKHAN
CONTRACT PACKAGE NO. SMBBT/MRK/INF-001**

BILL OF QUANTITIES

Bill No.2 : SEWERAGE

S.NO	REFERENCE	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rs.)
1	Item #.A, 1, Pg. 60, PHEW, Chp. II, Vol. IV, Part VI- 2012	SCHEDULE ITEMS EXCAVATION Excavation for pipe line in trenches, and pits in all kind of soils i/c trimming and dressing sides to true alignment and shape, leveling of beds of trenches to correct level and grade cutting joints holes and disposal of surplus earth with in a one chain as directed by the Engineering Incharge, providing fence guard light flags and temporary crossing for non vehicular traffic where ever required lift upto 5 ft (1.52 m) and lead upto one chain (30.5 m) etc. complete in all respect as per instruction of engineer in charge and specification.				
1.1		Trench Depth (0.0 ft to 5.0 ft)	Cu.ft	69,965	3.60	251,874
1.2	Item #A-16, Pg. 74, PHEW, Chp. II, Vol. IV, Part VI- 2012	Add for extra lift of every 3ft of part there of in item of all kinds of excavation				
1.2.1		Trench Depth (5.0 ft to 8.0 ft)	Cu.ft	6,428	4.15	26,676
1.2.2		Trench Depth (8.0 m to 11.0 ft)	Cu.ft	3,750	4.70	17,625
1.2.3		Trench Depth (11.0 m to 14.0 ft)	Cu.ft	1,339	5.25	7,030
1.3	Item #.A, 3, Pg. 61, PHEW, Chp. II, Vol. IV, Part VI- 2012	Excavation for pipe line in trenches, and pits in all kind of hard soils i/c trimming and dressing sides to true alignment and shape, leveling of beds of trenches to correct level and grade cutting joints holes and disposal of surplus earth within a one chain as directed by the Engineers incharge. Providing fence guard light flags and temporary crossing for non vehicular traffic where ever required lift up tp 5 ft (1.52 m) and lead upto one chain (30.5 m) etc. complete in all respect as per instruction of engineer in charge and specification.				
1.3.1		Trench Depth (0.0 ft to 5.0 ft)	Cu.ft	29,985	3.90	116,942
1.4	Item #A-16, Pg. 74, PHEW, Chp. II, Vol. IV, Part VI- 2012	Add for extra lift of every 3ft of part there of in item of all kinds of excavation				
1.4.1		Trench Depth (5.0 ft to 8.0 ft)	Cu.ft	2,755	4.45	12,260
1.4.2		Trench Depth (8.0 m to 11.0 ft)	Cu.ft	1,607	5.00	8,035
1.4.3		Trench Depth (11.0 m to 14.0 ft)	Cu.ft	574	5.55	3,186
2	Item # 24, Pg # 77 PHEW, Chp. II, Vol. IV, Part VI- 2012	BACKFILLING Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc. complete in all respect as per instruction of engineer in charge and specification.	Cu.ft	76,274	2.76	210,516
3	Item 23/Pg.76 Chp. II, Vol. III, Part II- CSR 2012	DEWATERING (PROVISIONAL) Dewatering of trenches including cost of all labour, material and equipment/machinery POL required for dewatering of trenches, also including the cost of disposal of water to suitable place etc complete in all respect as per specification and directed by the Engineer Incharge (provisional). Hire charges of pumping set of upto 10H.P pumping out water from 10ft deep trench.	Day	30	1500.00	45,000
4	Item # 5 f, Pg # 16, Chp. 4, Vol. III, Part II- CSR 2012	PIPE SURROUND / CONCRETE ENCASEMENT Constructing of surround pipe and pipe support in concrete CC 1:2:4 using SRC, including cost of formwork and curing etc. complete in all respect as per instruction of engineer in charge and specification.				
4.1		Concrete Encasement	Cu.ft	2,798	169.62	474,585

Continue

**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
(ROAD, WATER SUPPLY AND SEWERAGE)
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, MIROKHAN
CONTRACT PACKAGE NO. SMBBT/MRK/INF-001**

BILL OF QUANTITIES

Bill No.2 : SEWERAGE

S.NO	REFERENCE	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rs.)
5		CONSTRUCTION OF MANHOLE EXCAVATION				
5.1	Item #.13, Pg. 67, PHEW, Chp. II, Vol. IV, Part VI- 2012	Excavation for tanks and reservoir in all kind of soils i/c trimming and dressing sides to true alignment/design section/ profiles and shape, leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus earth. with in a one chain as directed by the Engineering Incharge, providing fence guard light flags and temporary crossing for non vehicular traffic where ever required lift upto 5 ft (1.52 m) and lead upto one chain (30.5 m) etc. complete in all respect as per instruction of engineer in charge and specification				
5.1.1		Manhole Depth (0.0 ft to 5.0 ft)	Cu.ft	18,807	3.00	56,421
5.2	Item #.16, Pg. 74, PHEW, Chp. II, Vol. IV, Part VI- 2012	Add for extra lift of every 3ft or part there of in above item for excavation for pipe lines & sorage tanks trenches and pits.				
5.2.1		Manhole Depth (5.0 ft to 8.0 ft)	Cu.ft	3,953	3.55	14,033
5.2.2		Manhole Depth (8.0 ft to 11.0 ft)	Cu.ft	3,033	4.10	12,435
5.2.3		Manhole Depth (11.0 ft to 14.0 ft)	Cu.ft	1,426	4.65	6,631
6	Item #.3, Pg. 68, PHEW, Chp. II, Vol. IV, Part VI- 2012	Excavation for tanks and reservoir in all kind of hard soils i/c trimming and dressing sides to true alignment/design section/ profiles and shape, leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus earth. with in a one chain as directed by the Engineering Incharge, providing fence guard light flags and temporary crossing for non vehicular traffic where ever required lift upto 5 ft (1.52 m) and lead upto one chain (30.5 m) etc. complete in all respect as per instruction of engineer in charge and specification.				
6.1		Manhole Depth (0.0 ft to 5.0 ft)	Cu.ft	8,061	3.30	26,601
6.2	Item #.16, Pg. 74, PHEW, Chp. II, Vol. IV, Part VI- 2012	Add for extra lift of every 3ft or part there of in above item for excavation for pipe lines & sorage tanks trenches and pits.				
6.2.1		Manhole Depth (5.0 ft to 8.0 ft)	Cu.ft	1,695	3.85	6,526
6.2.2		Manhole Depth (8.0 ft to 11.0 ft)	Cu.ft	1,300	4.40	5,720
6.2.3		Manhole Depth (11.0 ft to 14.0 ft)	Cu.ft	611	4.95	3,024
7		CONCRETE WORKS				
	Item 5, (i) pg# 16, chp. 4 , CSR2012	Cement concrete plain including placing compacting, finishing and curing, complete including screening and washing of stone aggregate without shuttering. (Ratio 1:4:8) etc. complete in all respect as per instruction of engineer in charge and specification.	Cu.ft	995	138.21	137,515
8	Item 6, (a I) pge 17, chp. 4 , CSR2012	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and which will be paid seperately.This rate also includes all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle).RCC work in roof slab,beams,columns rafts.Lintels and other structural members laid in situ or precast laid in position completed in all respected.Ratio (1:2:4) 90 Lbs cement 2Cft sand 4Cft shingle 1/8" to 1/4" gauge complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. (Ratio 1:2:4)				
8.1		BED SLAB , WALLS & TOP SLAB	Cu.ft	16,134	362.33	5,845,763

Continue

**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
(ROAD, WATER SUPPLY AND SEWERAGE)
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, MIROKHAN
CONTRACT PACKAGE NO. SMBBT/MRK/INF-001**

BILL OF QUANTITIES

Bill No.2 : SEWERAGE

S.NO	REFERENCE	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rs.)
9	Item 9, pge 71, chp. 11 , CSR2012	BITUMEN COATING Bitumen coating to plastered or cement concrete surface, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.	Sq.ft	18,539	11.13	206,348
10	Item 8 (b), Pg-17, Chap. 4, Vol-III, Part-III, CSR2012	STEEL REINFORCEMENT Providing and fabrication of steel reinforcement for cement concrete, including cutting, bending, laying in position, ranking joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars). The rate includes wastage, overlaps and chairs etc. Deformed bars (60,000 psi). etc. complete in all respect as per instruction of engineer in charge and specification.				
10.1		b) Using Tor Bars	KG	1,267	103.76	131,470
11	Item2, Pg.56, Vol- III, Part- III,Publication 53 CSR2012	WATER STOPPER Providing " expansion joint" in concrete work of 9" wide corugated PVC water Stoper (with Bulb) i/c Soldering cost of matrial and labour etc. complete in all respect as per instruction of engineer in charge and specification.	R.ft	2,346	86.00	201,756
AMOUNT BASED ON SCHEDULE OF RATE GOVT OF SINDH -2012 PART-A						7,827,972
WE QUOTE% ABOVE /BELOW ON SCHEDULE ITEMS						
PERCENTAGE IN WORDS:						
SUB TOTAL AMOUNT PART - (A)						

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**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
(ROAD, WATER SUPPLY AND SEWERAGE)
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, MIROKHAN
CONTRACT PACKAGE NO. SMBBT/MRK/INF-001**

BILL OF QUANTITIES

Bill No.2 : SEWERAGE

S.NO	REFERENCE	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rs.)
1		NON SCHEDULE ITEMS				
		RCC PIPES				
		Providing, laying of RCC pipe & collar of class "C" and fixing in trench i/c cutting , fitting and jointing with maxphalt composition and cement mortar (1:1) i/c testing with water to a head of 45 meters or 150ft etc. complete in all respect as per instruction of engineer in charge and specification				
1a		150 mm I.D For House Connection	R.ft	1,260		
2		Providing RCC pipe of ASTM C-76-62T/C-76-70 with rubbering class-II wall B and fixing in trenches including cutting fitting and jointing with rubber rings including testing with water to spcified pressure. (Using SR Cement)				
2a		200 mm I.D	R.ft	6,940		
2b		250 mm I.D	R.ft	25		
3		SELECTED BACKFILL				
		Backfilling the excavated material (clean) in trenches in 150mm thick layer including watering, ramming to full compaction etc complete in all respect as per drawing ,specification and as directed by the Engineer/Representative.				
4		R.C.C MANHOLE COVER				
		Manufacturing and supply RCC manhole covers cast in 1:2:4 concrete ratio using SRC, 3 inch deep at center reinforced with 3/8" dia tor steel bars at 4" c/c welded to 1/8" thick 2.5 inch deep M.S plate including curing stacking and transportation with in 10 miles.				
4a		a) 600mm dia	Nos	149		
5		GRANULAR BEDDING				
		Providing, spreading, and consolidating of granular bedding material of approved quality including watering etc .complete in all respect as per drawings and specification and as directed by the Engineer Incharge.				
6		HOUSE CONNECTION RCC CHAMBER				
		construction of inspection chamber of size(2'-6" x 2' -6" x 2'-6")including RCC cover and frame also including cost of material excavation of earth backfilling formwork disposal of surplus material etc, complete in all respect as per drawings, specifications and as directed by the Engineer Incharge.				
			Nos	94		
SUB TOTAL AMOUNT PART - (B)						
Total Bill No. 2 :SEWERAGE						

SEAL OF THE COMPANY

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**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
(ROAD, WATER SUPPLY AND SEWERAGE)
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, MIROKHAN
CONTRACT PACKAGE NO. SMBBT/MRK/INF-001**

BILL OF QUANTITIES

Bill No.3 : WATER SUPPLY

S.NO	REFERENCE	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rs.)
1		<u>SCHEDULE ITEMS</u>				
		<u>EXCAVATION</u>				
	Item #.A, 1, Pg. 60, PHEW, Chp. II, Vol. IV, Part VI- 2012	Excavation for pipe line in trenches, and pits in all kind of soils i/c trimming and dressing sides to true alignment and shape, leveling of beds of trenches to correct level and grade cutting joints holes and disposal of surplus earth with in a one chain as directed by the Engineering Incharge, providing fence guard light flags and temporary crossing for non vehicular traffic where ever required lift upto 5 ft (1.52 m) and lead upto one chain (30.5 m)				
1.1		Trench Depth (0.0 ft to 5 ft)	Cu.ft	57,877	3.60	208,357
1.2	Item #.A, 3, Pg. 61, PHEW, Chp. II, Vol. IV, Part VI- 2012	Excavation for pipe line in trenches, and pits in all kind of hard soils i/c trimming and dressing sides to true alignment and shape, leveling of beds of trenches to correct level and grade cutting joints holes and disposal of surplus earth within a one chain as directed by the Engineers incharge. Providing fence guard light flags and temporary crossing for non vehicular traffic where ever required lift up tp 5 ft (1.52 m) and lead upto one chain (30.5 m)				
		Trench Depth (0.0 ft to 5 ft)	Cu.ft	24,805	3.90	96,740
2		<u>SAND BEDDING</u>				
	Item # 29, Pg#26, Chp. 5 Vol-III, Part-III,	Supplying and Filling Sand under Trench , floor and plugging in walls, etc complete in all respect as per drawing ,specification and as directed by the Engineer.	Cu.ft	8,990	11.41	102,576
3		<u>BACKFILL</u>				
	Item # 24, Pg # 77 PHEW, Chp. II, Vol. IV, Part	Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc, complete.	Cu.ft	58,311	2.76	160,938
4		<u>DEWATERING (PROVISIONAL)</u>				
	Item 23/Pg.76 Chp. II, Vol. III, Part II- CSR 2012	Dewatering of trenches including cost of all labour, material and equipment/machinery POL required for dewatering of trenches, also including the cost of disposal of water to suitable place etc complete in all respect as per specification and directed by the Engineer Incharge (provisional).				
		Hire charges of pumping set of upto 10H.P pumping out water from 10ft deep trench.	Day	30	1,500.00	45,000
5		<u>PIPE SURROUND</u>				
	Item # 5 f, Pg # 16, Chp. 4, Vol. III, Part II- CSR 2012	Constructing of surround pipe and pipe support in concrete CC 1:2:4 using SRC, including cost of formwork and curing etc. complete in all respect as per instruction of engineer in charge and specification.				
5.1		Concrete Encasement	Cu.ft	1,606	169.62	272,403
5.2		Thurst Block	Cu.ft	10	169.62	1,696
AMOUNT BASED ON SCHEDULE OF RATE GOVT OF SINDH -2012 PART-A						887,710
WE QUOTE% ABOVE /BELOW ON SCHEDULE ITEMS						
PERCENTAGE IN WORDS:						
SUB TOTAL AMOUNT PART - (A)						

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**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
(ROAD, WATER SUPPLY AND SEWERAGE)
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, MIROKHAN
CONTRACT PACKAGE NO. SMBBT/MRK/INF-001**

BILL OF QUANTITIES

Bill No.3 : WATER SUPPLY

S.NO	REFERENCE	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rs.)
6		NON SCHEDULE ITEMS				
		<u>SELECTED BACKFILL</u>				
		Backfilling the excavated stuff (clean) in trenches in 150mm thick layer including watering, ramming to full compaction etc complete in all respect as per drawing ,specification and as directed by the Engineer Incharge.				
			Cu.ft	13,776		
7		<u>PIPES (uPVC)</u>				
		Providing uPVC pipes fixing in trench i/c cutting fitting and jointing with rubber ring (Z- joint) i/c testing with water to head 91.5 meter or 300 ft.etc. complete in all respect as per instruction of engineer in charge and specification.				
7.1		75mm I.D (PN-08)	R.ft	3,551		
7.2		110mm I.D (PN-08)	R.ft	4,410		
7.3		150mm I.D (PN-08)	R.ft	18		
8		<u>FITTINGS (uPVC)</u>				
		Providing and fixing ,uPVC Bell End fitting with rubber ring (Z-joint), with no welded joint, compatible to BSS grade ,etc in trenches to correct alignment and grade etc. complete in all respect as per instruction of engineer in charge and specification.				
8.1		<u>TEES (equal & Unequal)</u>				
8.1.1		4" X 4" X 4"	Nos	6		
8.1.2		4" X 4" X 3"	Nos	5		
8.1.3		3" X 3" X 3"	Nos	9		
8.2		<u>BENDS</u>				
8.2.1		4 inch (90° bend)	Nos	4		
8.3		<u>REDUCER</u>				
8.3.1		6" X 4"	Nos	4		
8.3.2		4" X 3"	Nos	8		
8.4		<u>END CAP</u>				
8.4.1		4inch	Nos	8		
9		<u>R.C.C VALVE CHAMBER</u>				
		Construction and making of RCC Valve chamber of size (5.0 ft x 5.0 ft) depth as shown in drawings for wash out, Gate valve and air Valve of approved design all works comprising of (Excavation back filling and disposal of surplus earth with dewatering, Pcc concrete, RCC bottom & top slab, Block Masonary walls, valve pad complete with curing and finishing, providing and fixing MS foot rest (rungs) as shown on drawings, . Including cost of Reinforcement bars, Fair face Steel form work, C.I cover and frame heavy duty (weight) as shown and epoxy coating on outer surface up to substructure level etc, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.				
			No	9		
SUB TOTAL AMOUNT PART - (B)						
TOTAL AMOUNT PART (A+B)						
Total Bill No. 3 : WATER SUPPLY						

SEAL OF THE COMPANY

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SIGNATURE OF BIDDER

**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
(ROAD, WATER SUPPLY AND SEWERAGE)
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, MIROKHAN
CONTRACT PACKAGE NO. SMBBT/MRK/INF-001**

BILL OF QUANTITIES

BILL NO. 4: ENGINEER'S FACILITIES

Item No.	Item Description	Unit	Estimated Quantities	Rate (Rs.)	Amount (Rs.)
1 (a)	Engineer's Office cum Housing Provide Engineer's Two Room Office cum Housing (Rental)	Per Month.	10		
2 (a)	Employer/Engineer's Vehicles Providing Engineer's Vehicles including Fuel and maintence (Rental Basis) ● 1000cc Car A/C (01 No.) for Engineer's	Per Month	10		
	TOTAL BILL NO. 4 : ENGINEER'S FACILITIES				

SEAL OF THE COMPANY INITIAL
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**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
(ROAD, WATER SUPPLY AND SEWERAGE)
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, MIROKHAN
CONTRACT PACKAGE NO. SMBBT/MRK/INF-001**

BILL OF QUANTITIES

Addendum # 01

Bill No.5 : CIVIL WORKS ENTRANCE GATE

Sr. #	ITEMS REF./PAGE No	DESCRIPTION	QTY	UNIT	RATES (Rs.)	AMOUNT
		All items under this head to be carried out as per specifications, Drawings, relevant BSI/ASTM Standards, complete in all respect to the entire satisfaction of the Employer, and following Sections of the Technical Specifications. Rates shall be applicable on all types of building/structures shown in the drawings under this contract.				
PART-A (SCHEDULE ITEMS)						
		<u>EARTHWORK</u>				
1	18(b & c)/P-4,5 Vol-III, Part-II	Excavation in foundation of building, bridges and other structures including dagbelling dressing refilling around structure with (suitable) excavated earth watering, ramming complete and disposal of surplus excavated material to designated area i/c all lead & lift.etc, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.				
		b) In Ordinary Soil	853	% O Cft	3,176.25	2,709
		c) In Hard Soil or Soft murum	284	% O Cft	3,554.38	1,009
2	22/P-5 Vol-III, Part-II	Filling watering and ramming earth under floor with new earth excavated from outside lead upto one chain and lift upto 5 feet.	225	% O Cft	3,630.00	817
		<u>CONCRETE WORKS</u>				
3	5(a) /P-18 Vol- III, Part-II	Cement concrete plain including placing compacting,finishing and curing, complete (including screening and washing of stone aggregate without shuttering. <i>(Ratio 1:4:8)</i>)				
		i) Below foundation, plinth beam and floor etc.	92	% Cft	11,288.75	10,386
		ii) Below floor finish	25	% Cft	11,288.75	2,822
		<u>REINFORCED CEMENT CONCRETE (SUB-STRUCTURE)</u>				
4	6(ai) /P-18,19 Vol-III, Part-II	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately.This rate also includes all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle).RC work in roof slab,beams,columns rafts.Lintels and other structural members laid in situ or precast laid in position completed in all respected.Ratio (1:2:4) 90 Lbs cement 2Cft sand 4Cft shingle 1/8" to 1/4" gauge complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. <i>(Ratio 1:2:4)</i>				
		i) Footing	205	Per Cft	337.00	69,085
		ii) Column upto Plinth Level	145	Per Cft	337.00	48,865
		iii) Plinth Beam	64	Per Cft	337.00	21,568
		<u>REINFORCEMENT</u>				
5	7(b) /P-20 Vol- III, Part-II	Fabrication of mild steel reinforcement for cement concrete including cutting bending, laying in position,making joints and fastenings including cost of binding wire (also includes removal of rust from bars.)				
		b) Using Tor Bars <i>(Reinforcement of Sub Structure)</i>	22	Per Cwt	5,001.70	110,037

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**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
(ROAD, WATER SUPPLY AND SEWERAGE)
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, MIROKHAN
CONTRACT PACKAGE NO. SMBBT/MRK/INF-001**

**BILL OF QUANTITIES
Addendum # 01**

Bill No.5 : CIVIL WORKS ENTRANCE GATE

Sr. #	ITEMS REF./PAGE No	DESCRIPTION	QTY	UNIT	RATES (Rs.)	AMOUNT
6	28(b) /P-23 Vol-III, Part-II	<u>MOISTURE PROTECTION</u> Damp proof course with cement sand and shingle concrete (1:2:4) including 2 coats of asphaltic mixture, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. b) 2" Thick	32	% Sft	3,912.85	1,252
7	92 /P-115 Vol-III, Part-II	<u>TERMITE PROOFING</u> Providing Anti-termite treatment by spraying/sprinkling/spreading <i>Neptach</i> lar 0.5% Emulsion as an over all preconstruction treatment in slab type construction under the slab and along attach porches or entrances etc, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. (<i>Plinth area will be measured one time for payment whereas the number of applications will be three times on all horizontal & vertical surfaces of the excavations for termite proofing</i>).	87	Per Sft	9.74	847
8	9/P-77 Vol-III, Part-II	<u>BITUMEN COATING</u> Bitumen coating to plastered or cement concrete surface, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. i) Over Blinding ii) On structures side and top	128 955	% Sft % Sft	778.09 778.09	996 7,431
9	6(ai) /P-18,19 Vol-III, Part-II	<u>REINFORCED CEMENT CONCRETE (SUPER-STRUCTURE)</u> Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). RC work in roof slab, beams, columns, rafters, Lintels and other structural members laid in situ or precast laid in position completed in all respected. Ratio (1:2:4) 90 Lbs cement 2Cft sand 4Cft shingle 1/8" to 1/4" gauge complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. (<i>Ratio 1:2:4</i>) i) Columns ii) Lower Roof Beams & lintels iii) Lower Roof Slab iv) Upper Roof Slab v) Upper Roof beams & lintels	210 57 65 434 360	Per Cft Per Cft Per Cft Per Cft Per Cft	337.00 337.00 337.00 337.00 337.00	70,770 19,209 21,905 146,258 121,320
10	7(b) /P-20 Vol-III, Part-II	<u>REINFORCEMENT</u> Fabrication of mild steel reinforcement for cement concrete including cutting bending, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars.) b) Using Tor Bars (<i>Reinforcement of Super-Structure</i>)	54	Per Cwt	5,001.70	270,092
11	5(i)c /P-25 Vol-III, Part-II	<u>MASONRY WORK</u> Brick Masonry walls Provide and laying Pacca Brick work masonry wall of all thickness set in 1:4 cement sand mortar in ground floor super structure including racking out joints & curing etc. complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.	307	% Cft	13,227.41	40,608

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**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
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SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, MIROKHAN
CONTRACT PACKAGE NO. SMBBT/MRK/INF-001**

BILL OF QUANTITIES

Addendum # 01

Bill No.5 : CIVIL WORKS ENTRANCE GATE

Sr. #	ITEMS REF./PAGE No	DESCRIPTION	QTY	UNIT	RATES (Rs.)	AMOUNT
		<u>METAL WORKS</u>				
		<u>ALUMINIUM WORK</u>				
12	84(a) /P-114 Vol-III, Part-II	Supplying & fixing in position aluminium channels framing for sliding windows & ventilators of Alcop made with 5mm thick tinted glass glazing (belgium) & aluminium fly screen i/c handles stoppers & locking arrangement etc. complete in all respect, as per drawings and specifications and entire satisfaction of Engineer.				
		a) Deluxe Model				
		i) Open able Windows / Ventilator	44	Sft	1,647.69	72,498
		<u>ROOF SCREEDING AND WATERPROOFING</u>				
13		Provide and lay roof treatment over roof & skirting as per specifications and shown in drawings and details consisting of following items:				
a	13 /P-41 Vol-III, Part-II	Two coats of bitumen laid hot using 34 lbs for % sft over roof and blinded with sand at one cft per % sft	130	% Sft	1,887.40	2,454
b	38/P-44 Vol-III, Part-II	Providing and laying single per layer of polythene sheet 0.13mm thick for water proofing as per specification and instruction of engineer incharge	130	Per Sft	10.70	1,391
c	16(d)/P-47 Vol-III, Part-II	Providing and laying 1" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (d) 3" thick (1:2:4) Roof screeding	130	% Sft	4,411.82	5,735
		<u>WOODEN WORKS (DOORS,WINDOWS & VENTILATORS)</u>				
14	57/P-73 Vol-III, Part-II	Providing and fixing in position doors, windows & ventilators for first class deodar wood frames and 1-1/2" thick teak wood ply shutters of second class deodar wood skeleton (solid) styles and rails core of partial wood and teak ply wood (3-ply) on both sides i/c hold fast, hinges, iron tower bolts, handles and cleats with cord (at any floor & height) etc. complete in all respect as per drawing and specifications and to the entire satisfaction of the Engineer. <i>(Except painting)</i>	40	Per Sft	1,182.56	47,302
		<u>PAINTING OF WOODEN WORK</u>				
15	4(ci,ii)/P-68, Vol-III, Part-II	Providing and applying enamel painting (first & subsequent coat) in position doors, windows & ventilators any type (at any floor & height) etc. complete in all respect as per drawing and specifications and to the entire satisfaction of the Engineer.	80	% Sft	1,160.06	928
		<u>INTERNAL FINISHES (FLOORING)</u>				
16	47/P-46, Vol-III, Part-II	Providing and laying Mosaic Tiles of grey cement size 12" x 12" x 1" of approved shade laid flat in 1:2 white cement mortar over bed of 3/4" thick lime mortar (cement mortar) etc, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. <i>(Flooring and skirting)</i>	90	% Sft	6,485.24	5,837

Cont...

**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
(ROAD, WATER SUPPLY AND SEWERAGE)
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, MIROKHAN
CONTRACT PACKAGE NO. SMBBT/MRK/INF-001**

BILL OF QUANTITIES

Addendum # 01

Bill No.5 : CIVIL WORKS ENTRANCE GATE

Sr. #	ITEMS REF./PAGE No	DESCRIPTION	QTY	UNIT	RATES (Rs.)	AMOUNT
17	70/P-49 , Vol-III, Part-II	Providing and applying chemical polishing on existing mosaic/marble flooring/dado/skirting including cleaning grinding with carborandum stone/sand paper and applying chemical polish as per requirement etc. complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. <i>(Flooring and skirting)</i>	90	Per Sft	36.60	3,294
18	60/P-47, Vol-III, Part-II	Providing and laying Tiles glazed 6"x6"x1/4" on floor or wall facing in required colour and pattern of stile or approved equivalent specifications jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slurry of white cement and pigment in desired shape with finishing cleaning and cost of wax polish including cutting tiles to proper profile etc. complete in all respect, as per specifications & relevant drawings and all works to be carried out the satisfaction of the Engineer. <i>(Flooring and wall)</i>	70	% Sft	30,509.77	21,357
		<u>INTERNAL FINISHES (WALL)</u>				
19	13(c)/P-52 Vol-III, Part-II	Providing and applying 3/4" thick cement plaster upto 20' height on walls, columns, beams, chajjas etc. with cement mortar 1:6 including all corners, recesses, jambs, raking out joints of masonry, scaffolding, making drip courses, curing etc. nailing 9" wide heavy duty metal lath strip nailed at junction of RCC & masonry, etc. complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.	346	% Sft	2,590.50	8,963
20	40(a & b)/P-56, Vol-III, Part-II	Providing and applying preparing the surface and painting with plastic emulsion paint of approved make i/c rubbing the surface with sand paper, filling the voids with chalk/ plaster of paris and then painting (1st coat, 2nd & subsequent coat) etc. complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.	346	% Sft	1,659.35	5,741
		<u>INTERNAL FINISHES (CEILING)</u>				
21	13(b)/P-52 Vol-III, Part-II	Providing and applying 1/2" thick cement plaster upto 20' height on walls, columns, beams, chajjas etc. with cement mortar 1:6 including all corners, recesses, jambs, raking out joints of masonry, scaffolding, making drip courses, curing etc. nailing 9" wide heavy duty metal lath strip nailed at junction of RCC & masonry, etc. complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.	75	% Sft	2,206.60	1,655
22	13(c)/P-52 Vol-III, Part-II	Providing and applying 3/4" thick cement plaster upto 20' height on walls, columns, beams, chajjas etc. with cement mortar 1:6 including all corners, recesses, jambs, raking out joints of masonry, scaffolding, making drip courses, curing etc. nailing 9" wide heavy duty metal lath strip nailed at junction of RCC & masonry, etc. complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.	1,600	% Sft	2,590.50	41,448

Cont...

**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
(ROAD, WATER SUPPLY AND SEWERAGE)
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, MIROKHAN
CONTRACT PACKAGE NO. SMBBT/MRK/INF-001**

**BILL OF QUANTITIES
Addendum # 01**

Bill No.5 : CIVIL WORKS ENTRANCE GATE

Sr. #	ITEMS REF./PAGE No	DESCRIPTION	QTY	UNIT	RATES (Rs.)	AMOUNT
23	23,24a,b,c/ P-54,60 Vol-III, Part-II	Providing and applying (1st coat, 2nd & 3rd coat) Oil bound distemper over and including a coat of priming chalk distemper over plastered surface at any height in any floor including preparation of surface, filling depression with putty, rubbing, sand papering and cleaning etc, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.	75	% Sft	3,168.55	2,376
24	38(a &b)/P-56 Vol-III, Part-II	Providing and applying preparing the surface and painting with weather coat paint of approved make i/c rubbing the surface with rubbing brick / sand paper,filling the voids with chalk/ plaster of paris and then painting (1st coat, 2nd & subsequent coat) etc, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. <i>(New Surface)</i>	1,600	% Sft	1,948.10	31,170
EXTERNAL FINISHES & DEVELOPMENTS						
25	62/P-54 Vol-III, Part-II	Providing and laying Hala pattern tiles glazed 8"x8"x1/4" on floor or wall facing in required pattern of stile or other equivalent approved specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling joints with slurry of white cement and pigment in desired shape with finishing cleaning and cost of wax polish including cutting tiles to proper profile etc, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.	40	% Sft	34,520.31	13,808
26	71/P-55 Vol-III, Part-II	Providing and fixing cement paving blocks flooring having size of 197x97x60 (mm) of city/quddra/cobble shape with natural colours, having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner/pattern and design etc, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.	335	Per Sft	223.97	75,030
Total Amount of Schedule Items Rs.						1,308,975
We Quote% above/below on schedule items						
PERCENTAGE IN WORDS:						
Sub-Total of Part-A Rs.						

SEAL OF THE COMPANY

INITIAL

SIGNATURE OF BIDDER

**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
(ROAD, WATER SUPPLY AND SEWERAGE)
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, MIROKHAN
CONTRACT PACKAGE NO. SMBBT/MRK/INF-001**

**BILL OF QUANTITIES
Addendum # 01**

Bill No.5 : CIVIL WORKS ENTRANCE GATE

Sr. #	ITEMS REF./PAGE No	DESCRIPTION	QTY	UNIT	RATES (Rs.)	AMOUNT
PART-B (NON-SCHEDULE ITEMS)						
27	RA	Providing and laying stone soling 6" thick from approved quarry including hand packing & filling voids with sprawls & chips, consolidating & compacting with power or hand roller, etc, complete in all respect, as per specifications & relevant drawings and all works to be carried out the satisfaction of the Engineer.	88	Sft		
28	RA	Providing, making and fixing in position steel barrier manually operated as per drawing including enamel paint , required hardware etc complete in all respect as per drawing, specifications and to the entire satisfaction of the Engineer.	1	Nos		
29	RA	Providing & fixing LASBELA/GADAP STONE facing 12" x 6" x 1/2" thick of approved design / Patteran on external surface including cement sand motrar (1:6)jamb, soffits or where required etc, complete in all respect, as per specifications & relevant drawings and all works to be carried out the satisfaction of the Engineer.	535	Sft		
Total Amount of Non-Schedule Items Part-B Rs.						
Total of Part-A+B Rs.						
TOTAL BILL NO. 5 : CIVIL WORKS ENTRANCE GATE						

SEAL OF THE COMPANY

INITIAL

SIGNATURE OF BIDDER

**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
(ROAD, WATER SUPPLY AND SEWERAGE)
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, MIROKHAN
CONTRACT PACKAGE NO. SMBBT/MRK/INF-001**

BILL OF QUANTITIES

Addendum # 01

Bill No.6 : ELECTRICAL WORKS

Item No.	Item Description	Unit	Estimated Quantity	Rate (Rs.)	Amount (Rs.)
1	L.V. SWITCH BOARDS / DISTRIBUTION BOARDS				
1.01	Supply, installation, testing & commissioning of following wall mounting recessed type Distribution Boards (DB's) made with 16 SWG sheet metal, dust protected (IP 65 or higher), vermin proof housing coated with approved color having all the necessary switching and protections, as per specification complete in all respect. i) DB-G	Nos.	1		
02	CONDUITS & PIPES				
02.01	Supply & installation of following PVC / M.S. / G.I conduit as race ways with all accessories recessed/ surface on wall / column / under floor for Power, Tel & Data, Fire alarm, CCTV, etc. As per relevant specification, complete in all respect. i) 25 mm dia PVC pipe	RM	70		
2.02	Providing and laying of following size uPVC class D conduit for LV power cables buried in ground / under roads / under floor, including excavation for laying of conduit, bricks, warning tape, and backfilling with new and fresh soil etc. as per specification. and as shown on drawing complete in all respect. i) 50mm dia uPVC	RM	10		
3	LIGHTING FIXTURES & WIRINGS				
3.01	Supply, installation, testing and commissioning of following light fixtures complete with starters, Electronic ballast (mention otherwise), lamps, mounting accessories etc. complete in all respects. Lighting fixtures Sample must be submitted to consultant for approval, (For complete detail references of Light Fixtures, please refer to Light Fixture Schedules).				
	i) Surface mounted weather proof downlight fixture with 1 x 26 W CFL lamp	Nos.	12		
	ii) Flood light fixture with 1x400W SON-T lamp	Nos.	2		

Cont...

**CONSTRUCTION OF INTERNAL DEVELOPMENT WORKS
(ROAD, WATER SUPPLY AND SEWERAGE)
SHAHEED MOHTERMA BENAZIR BHUTTO TOWN, MIROKHAN
CONTRACT PACKAGE NO. SMBBT/MRK/INF-001**

BILL OF QUANTITIES

Addendum # 01

Bill No.6 : ELECTRICAL WORKS

Item. No.	Item Description	Unit	Estimated Quantity	Rate (Rs.)	Amount (Rs.)
3.02	Supply, laying, testing and commissioning of following wiring items complete with cables & wires, conduiting accessories, with 3x2.5sqmm cable from DB to fixture in 25 mm dia PVC conduits per drawings and specifications, complete in all respects.	Nos.	3		
3.03	Supply, installation, testing & commissioning of wiring from light point to point with 3x2.5 sq.mm. single core PVC insulated wires in 25 mm dia. PVC conduit surface / recessed in wall, column, ceiling, etc., including related civil works, complete with all conduit accessories as per specification.	Nos.	3		
Total Bill No.6: ELECTRICAL WORKS					

SEAL OF THE COMPANY

INITIAL

SIGNATURE OF BIDDER

PROPOSED CONSTRUCTION SCHEDULE

Pursuant to Sub-Clause 8.2 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 programme for completion of the whole of the works and parts of the works may meet procuring agency'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):

Description**Time for Completion**

1) Whole works

_____ days
(As per Appendix A)

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.
- 3) The method of executing the works, the procedures for installation of equipment and machinery and transportation of equipment and materials to the site.

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.]

No.	Equipment Type and Characteristics	Minimum Number required	Proposed by the Bidder
1	Dump Truck (10-18T)	3	
2	Bull Dozer (D6, D8 and D10)	1	
3	Front End Loader (3CM)	4	
4	Hydraulic Crawler Excavator (0.3CM)	3	
5	Hydraulic Wheel Excavator (0.1CM)	3	
6	Motor Grader (140-165 HP)	3	
7	Three Point Roller	3	
8	Vibratory Tandem Roller (10T to 12T)	4	
9	Water tanker (Tow Type)	4	
10	Cranes 10 Tons	2	
11	Plate Compactors	4	
12	Any other necessary equipment		

LIST OF MAJOR EQUIPMENT (SAMPLE)

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						

CONSTRUCTION CAMP AND HOUSING FACILITIES

The Contractor in accordance with Clause 6 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.

LIST OF SUBCONTRACTORS

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 Work (Give Detail)	Subcontractor (With Complete Address)
	2

ESTIMATED PROGRESS PAYMENTS (SAMPLE)

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

Quarter/ Year/ Period	Amounts (in thousands)
1	2

**ORGANIZATION CHART
FOR THE
SUPERVISORY STAFF AND LABOUR**
(To be filled in by the bidder)

(INTEGRITY PACT)**DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC; PAYABLE
BY CONTRACTORS.**

(FOR CONTRACTS WORTH RS. 10.00 MILLION OR MORE)

Contract No. _____ Dated _____

Contract Value: _____

Contract Title: _____

..... [name of Contractor] 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 Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Contractor] 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, from Procuring Agency (PA) except that which has been expressly declared pursuant hereto.

[name of Contractor] accepts full responsibility and strict liability 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 PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Contractor] 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 PA under any law, contract or other instrument, be voidable at the option of PA.

Notwithstanding any rights and remedies exercised by PA in this regard, [name of Supplier/Contractor/Consultant] agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Contractor] 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 PA.

.....

[Procuring Agency] [Contractor]

FORMS
BID SECURITY
PERFORMANCE SECURITY
CONTRACT AGREEMENT
MOBILIZATION ADVANCE GUARANTEE
INDENTURE BOND FOR SECURED ADVANCE

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 Agency') 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 Agency; and

WHEREAS, the Procuring Agency 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 agency, 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 agency, 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 agency 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 agency pursuant to Clause 15.6 of the Instruction to bidders for the successful bidder's failure to perform.

NOW THEREFORE, if the successful bidder shall, within the period specified therefore, on the prescribed form presented to him for signature enter into a formal Contract with the said procuring agency 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 agency 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 agency, the said sum upon first written demand of the procuring agency (without cavil or argument) and without requiring the procuring agency to prove or to show grounds or reasons for such demand, notice of which shall be sent by the procuring agency by registered post duly addressed to the Surety at its address given above.

PROVIDED ALSO THAT the procuring agency 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 agency 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 Agency]

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 agency) 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 agency, 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 agency'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 agency, 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 11, 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 agency without delay upon the procuring agency's first written demand without cavil or arguments and without requiring the procuring agency to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the procuring agency'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 Agency's designated Bank & Account Number.

PROVIDED ALSO THAT the procuring agency 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 agency forthwith and without any reference to the Principal or any other person.

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

Guarantor (Bank)

Witness:

1. _____ Signature _____

_____ Name _____

Corporate Secretary (Seal)

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 Agency") of the one part and _____ (hereafter called the "Contractor") of the other part.

WHEREAS the Procuring Agency 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 witnesseth-- 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 Special 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 agency to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the procuring agency to execute and complete the works and remedy defects therein in conformity and in all respects with the provisions of the contract.
4. Procuring agency 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 Agency _____

(Seal) (Seal)

Signed, Sealed and Delivered in the presence of:

Witness: _____ Witness: _____

(Name, Title and Address) (Name, Title and Address)

MOBILIZATION ADVANCE GUARANTEE

Bank Guarantee No. _____ Date _____

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

(Particulars of Contract)

with _____ (hereinafter called the "Contractor").

AND WHEREAS, the Procuring Agency 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 Agency 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)

(hereinafter called the "Guarantor") at the request of the Contractor and in consideration of the **procuring agency** 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 agency for payment not exceeding the aforementioned amount.

Notice in writing of any default, of which the procuring agency shall be the sole and final judge, on the part of the Contractor, shall be given by the procuring agency 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

1. Signature _____

2. Name _____

3. Title _____

WITNESS

1. _____

(Name Title & Address)

Corporate Secretary (Seal)

2. _____

(Name Title & Address)

Corporate Guarantor (Seal)

INDENTURE FOR SECURED ADVANCES

(For use in cases in which is contract is for finished work and the contractor has entered into an agreement for the execution of a certain specified quantity of work in a given time).

This INDENTURE made the day of

..... 20..... BETWEEN (hereinafter called "the Contractor" which expression shall where the context so admits or implied be deemed to include his heirs, executors, administrators and assigns) of the one part and THE GOVERNOR OF SINDH (hereinafter called "the Government" of the other part).

WHEREAS by an agreement, dated (hereinafter called the said agreement, the contractor has agreed to perform the under-mentioned works (hereinafter referred to as the said work):-

(Here enter (the description of the works).1

AND WHEREAS the contractor has applied to the
.....for an advance to him of Rupees
(Rs.) on the security of materials absolutely belonging to him and brought by him to the site of the said works the subject of the said agreement for use in the construction of such of the said works as he has undertaken to execute at rates fixed for the finished work (inclusive of the cost of materials and labour and other charge) AND WHEREAS the Government has agreed to advance to the Contractor the sum of Rupees, (Rs.) on the security of materials the quantities and other particulars of which are detailed in Part II of Running Account Bill (B). the said works signed by the contractor

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On and on such covenants and conditions as are hereinafter contained and the Government has reserved to itself the option of marking any further advance or advances on the security of other materials brought by the Contractor to the site of the said works.

NOW THIS INDENTURE WTTNESSETH that in pursuance of the said agreement and in consideration of the sum of Rupees.....

(Rs.) on or before the execution of these presents paid to the Contractor by the Government (the receipt whereof the Contractor doth hereby acknowledge) and of such further advances (if any) as may be made to him as aforesaid (all of which advances are hereinafter collectively referred to as the said amount) the Contractor doth hereby assign unto the Government the said materials by way of security for the said amount

And doth hereby covenant and agree with the Government and declare ay follow :-

- a. That the said sum of Rupees. RS.
.....) so advanced by the Government to the Contractor as aforesaid and all or any further sum or sums which may be advanced as aforesaid shall be employed by the contractor in or towards expending the execution of the said works and for no other purpose whatsoever.

- b. That the materials detailed in the said Running Account Bill (B) which have been offered to and accepted by (he Government as security for the said amount are absolutely by the Contractors own property free from encumbrances of any kind and the Contractor will not make any application for or receive a further advance on the security of materials which are not absolutely his own property and free from encumbrances of any kind and the contractor hereby agrees, at all times, to indemnify and save harmless the Government against all claims whatsoever to any materials in respect of which an advance has been made to him as aforesaid.
- c. That the said materials detailed in the said Running Account Bill (B) and all other materials on the security of which any further advance or advances may hereafter be made as aforesaid (hereinafter called the said materials) shall be used by the Contractor solely in *the* execution of the said works in accordance with the directions of the Divisional Officer (hereinafter called the Divisional Officer) and in the terms of the said agreement.
- d. That the Contractor shall make at his own cost all necessary and adequate arrangement for the proper watch, safe custody and protection against all risks of the said material and that until used in construction as aforesaid the said materials shall remain at the site of the said works in the Contractor's custody and at his own risk and on his own responsibility and shall at all times be open to inspection by (he Divisional Officer or any officer authorized by him. In the event of the said materials of any part (hereof being stolen, destroyed or damaged or becoming deteriorated in a greater degree than is due to reasonable use and wear thereof Contractor will forthwith replace the same with other materials of like qualify or repair and make good the same as required by the Divisional Officer and the materials so brought to replace the said materials so repaired and made good shall also be considered as security for the said amount.
- e. 'Hurt the said materials shall not on any account be removed from the site of the said works except with the written permission of the Divisional Officer or an officer authorized by him in that behalf
- f. That the said amount shall be payable in full when or before the Contractor receives payment, from the Government of the price payable to him for the said works under the terms and provisions of the said agreement PROVIDED THAT if any intermediate payments are made to the contractor on account of work done then on the occasion of each such payment the Government will be at liberty to make a recovery from the Contractors Bill for such payment by deducting there from in the value of the said materials (hen actually used in the construction and in respect of which recovery has not been made previously the value for this purpose being determined in respect of each description of material at (he rates at which the amount of the advances made under these presents were calculated.
- g. at if the Contractor shall at any time make any default in the performance or observation in any respect of any of the terms and provisions of the said agreement or of these presents the total amount of the advance or advances that may still be owing to the Government shall immediately on the happening of such default be repayable by the Contractor to the Government together with interest thereon at twelve percent per annum from the date or respective dates of such advance or advances to the date or repayment and with all costs, charges, damages and expenses incurred by the Government in or for the recovery thereof or the enforcement of this security or otherwise by reason of (he default of the Contractor and any moneys so becoming due and payable shall constitute a debt due from the Contractor to the Government and the Contractor hereby covenants and agrees with the Government to repay and the same respectively to it accordingly.

- h. That the Contractor hereby charges all the said materials with the repayment to the Government of the said sum of Rupees..... (Rs.) and any further sum or sums which may be advanced as aforesaid and all costs charges damages and expenses payable under these present PROVIDED ALWAYS and it is hereby agreed and declared that not, withstanding anything in the said agreement and without prejudice to the powers contained therein if and whether the covenant for payment and repayment hereinbefore contained shall become enforceable and the money owing shall not be paid to accordingly.

Once there with the Government may at any time thereafter adopt all or any of following courses as it may deem best :-

- a. Seize and utilize the said materials or any part thereof in the completion of the said works on behalf of the Contractor in accordance with the provisions in that behalf contained in the said agreement debiting the Contractor with the actual cost of effecting such completion the amount due in respect of advances under these presents and crediting the Contractor with the value of work done as he had carried it out in accordance with the said agreement and at the rates thereby provided. If the balance is against the Contractor he is to pay the same to the Government on demand.
 - b. Remove and sell by public auction the seized materials or any part thereof and out of the moneys arising from the sale retain all the sums aforesaid repayable to the Government under these presents and pay over the surplus (if any) to the Contractor.
 - c. Deduct all or any part of the moneys owing out of the security deposit or any sum due to the Contractor under the said agreement.
- (9) That except as is expressly provided by the presents interest on the said advance shall not be payable.
- (10) That in the event of any conflict between the provisions of these presents and the said agreement the provisions of these presents shall prevail and in the event of any dispute or difference arising over the construction or effect of these presents the settlement of which has not been hereinbefore expressly provided for the same shall be referred to the Superintending Engineer/Executive District Officer/Officer one grade higher to officer signed the agreement Circle whose..... decision shall be final and the provisions of the Arbitration Act 1940 for the time being in force so far as they are applicable shall apply to any such reference.

Signed, sealed and delivered by*

In the presence of

1st witness

2nd witness

SEAL

Condition of Contract

Federation International des Ingenieurs-Conseils, or FIDIC)

- (a) Part I - General Conditions of Contract
- (b) Part II - Special Conditions of Contract

Notes on the Conditions of Contract

The Conditions of Contract comprise two parts:

(a) Part I - General Conditions of Contract

(b) Part II - Special Conditions of Contract

Over the years, a number of “model” General Conditions of Contract have evolved. The one used in these Standard Bidding Documents was prepared by the International Federation of Consulting Engineers (Federation Internationale des Ingenieurs-Conseils, or FIDIC), and is commonly known as the FIDIC Conditions of Contract. (The used version is the harmonized Edition March 2006).

Copies of the FIDIC Conditions of Contract can be obtained from:

FIDIC CASE POSTALE, CH-1215 Switzerland;

Tel. +41 22 799 49 00;

Fax; +41 22 799 49 01

E-mail: fidic@fidic.org.

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PART II - SPECIAL /PARTICULAR CONDITIONS OF CONTRACT

1.1 Definitions

- 1.1.1.4 “Form of Bid” is synonymous with “Letter of Tender”.
- 1.1.1.5 “Bid” is synonymous with “Tender”.
- 1.1.1.10 “Bidding” is synonymous with “contract”. *The following paragraph is added:*
- 1.1.1.11 “Programme” means the programme to be submitted by the contractor in accordance with Sub-Clause 8.3 and any approved revisions thereto.
- 1.12.2 “Employer” is synonymous with “Procuring Agency”

The Employer is:

Project Directorate, Shaheed Mohtarma Benazir Bhutto Towns
Apollo Centre, Near Bahria University,
Stadium Road, Karachi.

Employer’s Representative is:

Executive Engineer
Shaheed Mohtarma Benazir Bhutto Towns
Apollo Centre, Near Bahria University,
Stadium Road, Karachi.

- 1.12.4 The Engineer is:

EA Consulting (Pvt) Limited
Al-9, 15th Lane, Khayaban-e-Hilal,
Phase VII, DHA
Karachi.

- 1.1.2.9 “DB” is synonymous with “Committee”.
- 1.1.3.1 Replace 28 days by 7 days in LCB and 15 days in ICB.
- 1.1.3.7 “Defects notification Period” is synonymous with “Defects liability Period”.

1.15 Inspections and Audit by the Bank

Deleted

3.1 Engineer’s Duties and Authority.

The following paragraph is added after duties:

Procuring agency shall ensure that the Engineer’s Representative/Staff is a professional engineer as defined in the Pakistan Engineering Council Act 1975 (V of 1976)

The following sub-clause 3.6 is added in (GCC):

3.6 Engineer's Facilities.

a) Office Building

The Contractor shall provide 1-No. Rental Office exclusive use of the Engineer and staff. The Office must have overhead water tank and underground water tank with electric motor and pumping facility duly connected with power supply and lavatories with washing facility.

The Engineer's Facilities shall be available and ready for use within 14 days of the Commencement Date.

The Contractor shall be responsible for and take all necessary measures to ensure the security of the Engineer's Office and its contents at all times and shall employ watchmen for this purpose.

The Contractor's Office will be situated adjacent to but at a reasonable distance from the Engineer's Office.

The Engineer's Office shall have proper lighting, heating, air conditioning, ventilation, waste disposal, water, gas, electricity and supply shall be provided as appropriate to all room(s). These shall all be properly installed to modern standards of safety, health and hygiene and shall be designed to provide a level of comfort and amenity to the satisfaction of the Engineer.

Back-up electrical power supply by diesel generator shall be provided. The generator shall have an automatic cut-in in case of failure of the main supply. The power circuit shall be equipped with voltage regulation to protect electrical equipment from overload and to ensure proper operation of computers and the like.

A continuous water supply shall be available for normal use. All kitchens shall be provided with potable water and the source shall be tested and certified by the Contractor at least monthly or at shorter intervals as directed by the Engineer.

Septic tank shall be dual chamber structures with an internal wall forming a high level weir overflow separating the two chambers. Access to each chamber shall be provided by airtight inspection covers. Inlet pipes shall be fixed into the first chamber level with the overflow weir wall and the outlet shall be at the same level at the opposite end of the second chamber. The outlet shall be a 200 mm diameter pipe leading into an excavated soak away pit of a size depending on soil porosity, which shall be backfilled with rock containing less than 10% of 20 mm size or smaller material, topped with 150 mm clay soil and 150 mm topsoil. The septic tank shall be emptied as required.

Continuous supplies of water, gas, electricity and fuel for the stand-by generator shall be provided by the Contractor who shall be responsible for and pay all costs of installation, connection, maintenance and use.

The Contractor shall take appropriate measures to discourage the presence or entry of termites, cockroaches, vermin and the like

The Contractor shall provide and pay for all consumables, the consumption of electricity, gas and water, the installation and the use of telephones, and provide and pay for all other incidental and running costs related to the Engineer's office.

The Contractor shall maintain the Engineer's Office in good functional /running conditions to the satisfaction of the Engineer for as long as required for the purposes of the Contract.

The Contractor shall provide the Engineer with at-least two office messengers and pay for the same and shall also be responsible for all janitorial services at all times during currency of Contract.

The Engineer's Office, fittings, equipment and furnishings shall become the property of the Contractor on the date of issue of the Taking-Over Certificate.

b) Office Furniture

In addition to normal stationery requirements, the Contractor shall provide for the Engineer's Office, all furnishings and equipments complying at least to the following list with the approval of the Engineer for its exclusive use as follow:-

No.	ITEM
OFFICE FURNITURE	
2	Standard office desks with lockable drawers and glass top
2	Small tables
2	Swivel type padded desk chairs with arms and castors
4	Standard office chairs
1	Lockable metal filing cabinets for drawings (1.0 x 0.80 x 0.75) m with 4 No. Drawers
2	Book cases with two shelves
1	Metal waste baskets
2	Plastic trash containers, 500 mm diameter minimum by 750 mm high.
1	Air conditioners (cooling and heating) 16,000 BTU or as required
2	Standard size staplers
1	Paper cutters
2	Paper hole punches, light duty
1	Pairs of scissors, heavy duty
2	Pencil sharpeners
1	Scientific Calculators
1	Fire extinguishers (carbon dioxide), wall-hung

LAVATORIES

- 1 Hot water heaters, 6 litres per minute
- 1 Water closets, pedestal style
- 1 Wash basins with hot and cold water
- 1 Stainless steel lavatory paper holders
- 1 Paper towel dispensers
- 1 Mirrors, 400 mm x 500 mm
- 1 Ceramic urinals
- 1 Exhaust fan, ½ HP, 220 Volt
- 1 Towel holder

c) Vehicles

The Contractor shall provide, maintain and make available at all times for the exclusive use of the Engineer the following new/rental vehicles, the number and type of each being as specified below:

- i. 1000 cc Car (Rental)-2Nos. (Maximum Fuel=250 lit/month Per Car)
- ii. 125 cc Motor cycle (New)-2Nos.(Maximum Fuel=50 lit/month Per Motor cycle)

All vehicles shall be air-conditioned and fitted with 3-point inertia-reel seat belts for all occupants.

All vehicles shall be provided for the Engineer's use within 14 days from the Commencement Date.

If the Contractor fails to provide the vehicles within the time specified the cost incurred by the Engineer in renting similar replacement vehicles plus a 20% (twenty percent) overhead charge shall be payable by the Contractor.

The vehicles shall be registered, taxed, comprehensively insured, fuelled, repaired, serviced, cleaned and maintained by the Contractor for the duration of the Contract and temporarily replaced if, in the Engineer's opinion, any vehicle is not in a roadworthy condition.

The Contractor shall provide safe, experienced and competent drivers for all the vehicles, to the approval of the Engineer. Each driver shall be responsible for the vehicle allocated to him for the duration of the Contract. The Contractor shall promptly replace any driver who, in the Engineer's opinion, is not working satisfactorily.

The vehicles after the completion of the project shall become the property of the Contractor.

d) Engineer's Housing

The contractor shall provide five bedroom building for Engineer's housing on rental basis. The Contractor shall also provide equipment and furniture for the Engineer's Housing as described hereunder.

The Engineer's Housing shall be fully furnished and equipped to the satisfaction of the Engineer, including curtains, linen, blankets, glassware, cutlery, crockery and kitchen utensils as indicated below, which list is intended only as a guide to indicate the minimum requirements that will be acceptable.

The Engineer's Housing shall be provided with efficient drainage and sanitation and shall be provided with potable water, gas and electricity supplies available throughout 24 hours of each day.

The Contractor shall maintain the Engineer's Housing in good condition to the satisfaction of the Engineer as long as required for the purposes of the Contract.

The buildings provided under this clause for Engineer's Housing shall be provided with underground and overhead water reservoirs of adequate capacity.

The fittings, equipment and furnishings of Engineer's Housing shall become the property of the Contractor on the date of issue of the Taking-Over Certificate.

ITEM	NUMBER
FURNITURE	
Single bed with mattress	6
Bedside table	6
Dressing table with mirror and stool	6
Chest of drawers	6
Wardrobe	6
Bedroom chair	6
Writing table and chair	6
Dining table(s) and chairs (to seat 6 persons)	1
Sideboard with drawers	2
Sofa set	1
Wall mirror	6
Kitchen cupboards and tables or fitted units	1 Sett
Side table	6
Bookcase	6
Linen, Blankets, Towels etc.	12
EQUIPMENT	
Air Conditioners (Cooling and Heating)	
18000 BTU or as required	7
Television 24" screen colour	1
Refrigerator, 0.5 cu.m	1
Cooker, four burner with thermostatically -	
Controlled oven	1
Washing machine	1
Bathroom wall mirror, shelf, medicine cabinet	
Stool and towel rails	As reqd
Glassware, cutlery, crockery, kitchen utensils etc.	1 Set
Fire extinguisher	2

e) **Survey Equipment**

The Contractor shall provide and maintain following survey equipment for the use of the Engineer. All the survey equipment shall be new and shall be maintained throughout the Contract. The Contractor shall be free of charge in case of damage, loss or destruction howsoever caused. The Contractor shall also arrange replacement of all surveying equipments after every three months.

The Contractor shall provide and pay for experienced survey helpers for the Engineer as required by the Engineer.

The Contractor shall provide adequate supplies of expendable materials, such as pencils, rubbers, inks, notebooks, drawing paper, survey pegs, brushes, paints etc. as required by the Engineer.

The survey equipment after the completion of the project shall become the property of the Contractor.

NO.	DESCRIPTION
-----	-------------

- | | |
|---|---------------------------------|
| 1 | Automatic Level complete |
| 1 | Aluminium Telescopic Tripod |
| 3 | Leveling Staff |
| 2 | Steel measuring tape, 50 m long |
| 2 | Steel measuring tape, 20 m long |
| 3 | Steel measuring tape, 3 m long |

f) **Testing of Material**

The Contractor is responsible for testing of material and other tests specified in the specifications, for which the Contractor shall propose for the approval of the Engineer three well renowned

The facilities of the Engineer are not payable separately and shall be considered incidental to other pay items.

4.3 **Contractor's Representative**

The following text is to be added after last line:

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

6.10 **Records of Contractor's Personnel and Equipment**

The following paragraphs added: The Contractor shall, upon request by the Engineer at any time in relation to any time 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-clause 7.9 is added in (GCC):

7.9 **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 provided such materials, supplies, plant, equipment and services shall be of required standard.

8.1 **Commencement of Works**

The last Para is deleted and substituted with the following:

The contractor shall commence the works on site within the period named in Appendix-A to Bid from the date of receipt by him from the Engineer of a written Notice to Commence. Thereafter, the contractor shall proceed with the works with due expedition and without delay.

8.11 **Prolonged Suspension**

Replace 84 days by 120 days.

8.3 Programme *The following text is to be added after [Commencement of Works]* The programme shall be submitted in the form of:

- a) Critical Path Method (CPM) identifying the critical path/activities.

13.1 Right to vary

In the last line of Para, after the word "Variation", the word "in writing" is added.

13.3 Variation procedure

In the tenth line, after the words "as soon as practicable" following is added: "and within a period not exceeding one-eighth of the completion time"

13.8 Adjustment for changes in cost

This clause is deleted in entirety.

14.1 The Contract Price Sub-para (d) is deleted.

14.2 Advance Payment *The Text is deleted and replaced with following:* Advance Payment/Mobilization Advance shall be made available to the Contractor by the procuring agency on following conditions:

Mobilization Advance/Advance Payment

- i. Mobilization advance up to 10 % of the Contract Price may be paid by the Procuring Agency to the Contractor on the works costing Rs2.5 million or above on following conditions:
 - a) on 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, acceptable to the procuring agency;
 - b) contractor shall pay interest on the mobilization advance at the rate of 10% per annum on the advance; and
- ii. This Advance including the interest shall be recovered in 5 equal installments from the 5 R.A bills and in case the number of bills is less than 5 then 1/5 of the advance inclusive of the interest thereon shall be recovered from each bill and the balance together with interest be recovered from the final bill. It may be insured that there is sufficient amount in the final bill to enable recovery of the Mobilization Advance.

14.5 Plants and Materials intended for Works

Deleted

14.8 Delayed Payment

Deleted

15.2 Termination by Employer

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

Provided further, that in addition to the action taken by the procuring agency against the Contractor under this Clause, the procuring agency 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.

15.6 Corrupt and fraudulent Practices.

The following text is to be added as 3rd paragraph: Successful Contractor has to provide Integrity Pact (for contracts worth Rs.10.0 million and above). 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 agency 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 agency 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 15.2 & 15.5 and the payment under Sub-Clause 15.4 shall be made after having deducted the amounts due to the procuring agency under Sub-Para (a) and (c) of this Sub-Clause.

16.4 Payment on Termination

Sub-paragraph (c) is deleted.

17.3 Employer's/ Procuring Agency's Risks

Sub-Clause 17.3 (h) is deleted.

The following text is added in Clause 18.1 (GCC):

18.1 General Requirements for Insurance

The contractor shall be obliged to place all insurances relating to the contract (including, but not limited to, the insurances referred to in Clauses 18.1, 18.2, 18.3, and 18.4) with Insurance Company having at least AA rating from PACRA/JCR in favour of the Employer valid for a period 28 days after the expiry of Defects Liability Period.

Costs of such insurances shall be borne by the contractor.

19.6 Optional Termination, Payment and release by the Employer

Sub-clauses (c), (d) and (e) are deleted.

20.6 Arbitration

Text will be replaced as under;

Any dispute in respect of which:

- a. *the decision, of the Dispute Board has not become final and binding pursuant to subclause 20.2, and*
- b. *amicable settlement has not been reached within the period stated in sub-clause 20.5, shall be finally settled,* under the provisions of the Arbitration Act, 1940 as amended or any statutory modification/Rules of Conciliation And Arbitration PEC Islamabad or re-enactment thereof for the time being in force.

The place of arbitration shall be Karachi, in Sindh Province.

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VOLUME-II
DRAWINGS

VOLUME-III

SPECIFICATIONS