



NO. EE/HW-D/TC/ 849/2018
OFFICE OF THE EXECUTIVE ENGINEER
HIGHWAYS DIVISION SUKKUR
DATED 16/02/2018

To,

The Manager (CB),
Sindh Public Procurement Regulatory Authority,
Karachi.

SUBJECT:- SUBMISSION OF THE REQUIRED DOCUMENTS AGAINST NIT
NO. EE/HW-D/TC/848 DATED.16.02.2018.

Find enclosed herewith Bidding Documents contending as
under.


N.I.T SUBMISSION (I)

S. No. Documents Required with NIT:-

01. Notice Inviting Tender
02. Notification of Procurement Committee
03. Notification of Complaint Redressal
Committee
04. Bidding Documents
05. Annual Procurement Plan
06. Method of Receiving Courier

It is requested kindly hoisting the Bidding Documents as
early as possible.

SPPRA INWARD DIARY
NO : 5991
DATED : 19-02-2018


EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR



NOTICE INVITING TENDERS

1. **Executive Engineer Highways Division Sukkur invites sealed tenders for the mention works of District Council Sukkur** from interested contractors / firms for the following works (as List Attached).
2. **Eligibility:** Registration with Pakistan Engineering Council for year 2018 in reflect above category (**Specialized Codes CE-01, CE-09, CE-10-**).
3. The applicant should be registered with: -
 - (i) Income Tax Department (NTN).
 - (ii) Sindh Board of Revenue Department (SRB) and have CNIC should be attached with application otherwise the application with not be entertained (all copies of document duly attached).
4. **QUALIFICATION:-**
 - i. List of two similar assignment under-taken over the past 7 years.
 - ii. Bio-Data of Engineers in detail (Job letter and Salary certificate).
 - iii. Detail of Equipment, Machineries and transport owned by firm / contractor.
 - iv. Financial Statement (Summary) and income tax return for the last 3 years.
 - v. List of litigation (if any) and natural of litigation.
 - vi. Affidavit that firm has never been black listed.
5. **Method of Procurement** Single Stage Single Envelope.
6. **Bidding /Tender Documents:**
Issuance: Blank Tenders will be issued on any working day from the date of publication in newspaper on payment of tender price money in cash as shown against each work from the office of undersigned and the same can also be downloaded from SPPRA website.
7. **Terms & Conditions**
 - a) Under following condition bid will be rejected:-
 - i. Conditional and telegraphic bid/ tenders.
 - ii. Bids not accompanied by bid security of required amount and form.
 - iii. Bids received after specified date and time.
 - iv. Black listed firms.
 - v. The undersigned reserved the Right accepting/rejecting any or all tender without assigning a reason thereof.
 - vi. The bidder shall submit earnest money/ Bid Security @ the rate of 5% in Shape of Call Deposit /Security receipt with the Bid documents therein contractors /firms name reflects.
 - Vii. The Procuring Agency shall not Accept in Bank instrument /Pay order therein no any Contractor /Firms reflects.

Cont:.... P-1/2...)

- viii. The Procuring agency reserve the right to reject or accept any or all Tenders under SPPRA rules 2010.
- ix. In case of firm consortium list of partnership deed, giving full particulars of Directors/Proprietors or other connected alongwith power of attorney. In case of being sole proprietors such undertaking on affidavit be furnished.

S. NO.	PARTICULAR	1 ST ATTEMPT	2 ND ATTEMPT
01.	Date of accept of application & issuance of Tenders (upto 01:00 PM)	Upto 08.03.2018	Upto 29.03.2018
02.	Date of Opening of Tenders (11:00 PM)	Upto 09.03.2018	Upto 30.03.2018

The tenders or their representatives may be present at the time opening of tenders if they so desired (At their will).

**EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR**


Copy submitted with compliments to: -

1. The Worthy Deputy Commissioner, Sukkur.
2. The Chairman District Council Sukkur for kind information.
3. The Secretary, Information Technology, and Government of Sindh Secretariat No: 6, @ Karachi, along with copies of N.I.T's for favour of information and placing them on the web site of Sindh Government.
4. ✓ The Director (A&F) SPPRA 3-15 Government of Sindh, Public Procurement Regulatory Authority, Planning & Development Department Karachi along with Soft & Hard copy of NIT for favour of information and placement on Web Site.
5. The Director, Information (Advertisement) Public Relation Advertising Department Karachi, for publication in 3 Nos. leading Newspaper "Sindhi", Urdu & English" (Kawaish, Jung, Down).
6. The Superintending Engineer, Works & Services, Sukkur, for favour of information.
7. The Executive Engineer, (Buildings / Education Works) Department Sukkur, for information for wide publicity.
8. Copy to notice board and drawing branch / HC (Local).
9. The Assistant Engineer, Public Health Engineering Sub-Division Rohri for information.
10. The Assistant Engineer, Highways Sub-Division Sukkur/Rohri/PanoAkil for information.

**EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR**

LIST OF WORKS

SR. NO.	NAME OF SCHEMES	AMOUNT	BID SECURITY	TENDER FEE	PERIOD
1	Construction of Drain & Paver Disposal Work for village Kandri Bhai Khan Shaikh Goral Shaikh, Wadi Patni Sarwar Shaikh.	111.000 (M)	5% of Bid	3000	24 Months
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4	Construction Paver Block, Disposal Work at Village Gul Muhammad Lashari, Mehran Ali Lashari UC Trimoonh.	84.840 (M)	5% of Bid	3000	24 Months
5	Construction of Paver Block & Disposal Work and Metalled Road for Village Gole Aliwahan (Dalho)	146.500 (M)	5% of Bid	3000	24 Months
6	Construction of Road from Sher Khan Khaki to Village Muhammad Bux Buriro.	41.000 (M)	5% of Bid	3000	24 Months
7	Construction of roads from National Highways to village Bingo Bullo and From Village Agro to Mulla Ally Taluka PanoAkil (3.20 KMs).	22.459 (M)	5% of Bid	3000	24 Months


**EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR**

SPPRA BIDDING DOCUMENT



WORKS & SERVICES DEPARTMENT GOVERNMENT OF SINDH

Name of Work :-

Name of Procuring Agency :- EXECUTIVE ENGINEER, HIGHWAYS
DIVISION SUKKUR

Issued to :- M/S
GOVERNMENT CONTRACTOR

Estimate Cost :- Rs. (M)

NOTE: - This Book is Valid for Serial No. 1 to 7 Book is Valid.

SUMMARY OF CONTENTS

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(II) INSTRUCTIONS TO BIDDERS & BIDDING DATA.....	
(III) GENERAL CONDITIONS OF CONTRACT, Part-I (GCC).....	
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(V) SPECIFICATIONS.....	
(VI) FORM OF BID & APPENDICES TO BID.....	
(VII) BILL OF QUANTITIES.....	
(VIII) FORMS OF BID SECURITY.....	
(IX) FORM OF AGREEMENT.....	
(X) FORM OF PERFORMANCE SECURITY, MOBILIZATION ADVANCE GUARANTEE, INDENTURE SECURITY BOND AND INTEGRITY PACT.....	
(XI) DRAWINGS.....	

INVITATION FOR BIDS



BIDDING DOCUMENT

OFFICE OF THE CHAIRMAN DISTRICT COUNCIL SUKKUR THROUGH EXECUTIVE ENGINEER HIGHWAYS DIVISION SUKKUR

PHONE NO. 071-9310751
xen.highwaysdivisionsuk@gmail.com

NO. EE/HW-D/TC/ OF 2018
SUUKUR DATED. / /2018

NOTICE INVITING TENDERS

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Cont:.... P-1/2...)

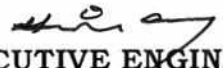
BIDDING DOCUMENT

(P-2)

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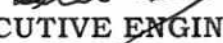
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EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

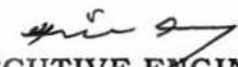
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EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

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EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

BIDDING DOCUMENT

OFFICE OF THE
DEPUTY COMMISSIONER, SUKKUR
SUUKUR

NOTED SUPPLY NO. 2013/24-1398

Sukkur, dated 26-3-2014

ORDER

In pursuance of Rule 12 of Sindh Public Procurement Regulations, 2013, the Procurement Committee of the Government of Sindh, Sukkur, has decided to award the contract for the supply of the following materials to the lowest bidder.

Designation	Position held
Superintending Engineer Works & Services Sukkur	Chairman
District Accounts Officer Sukkur	Member
Additional Deputy Commissioner-II of Deputy Commissioner Office Sukkur	Member
Executive Engineer Provincial Highway Division Sukkur	Member
Executive Engineer of the Division concerned	Member

TERMS OF REFERENCE:

- The Committee will hear the complaints of bidders against the decision of the agency.
- Prohibit the procurement committee from acting or deciding in a manner, which is not in accordance with these rules and regulations.
- Annul in whole or in part, any award or contract procured by the committee in violation of these rules and regulations.
- Prohibit the committee from acting or deciding in a manner, which is not in accordance with these rules and regulations.
- Revoke any decision of the Procurement Committee or substitute its own decision for the decision provided that the committee's decision shall not make any difference to the award of the contract.
- The Committee's decision shall be final and its decision within seven days, and intimate the same to the bidder and the authority within 3 working days.

(SHAHZAD TAHIR THAHEEM)
DEPUTY COMMISSIONER/PD
SUUKUR

Copy fwd. for information to:

- The Superintending Engineer Works & Services Sukkur
- The District Accounts Officer Sukkur
- The Additional Deputy Commissioner-II Sukkur
- The Executive Engineer Provincial Highway Division Sukkur
- The Executive Engineer Highway/Buildings Division Sukkur

DEPUTY COMMISSIONER/PD
SUUKUR

BIDDING DOCUMENT

GOVERNMENT OF SINDH WORKS & SERVICES DEPARTMENT

Karachi dated 28th November, 2016.

NOTIFICATION

No.E&A(W&S)3-9/2014 (Sukkur) : In partial modification of this Department's Notification of even number dated 02-07-2013 and with the approval of Competent Authority, Procurement Committee, in terms of Rule-7 of Sindh Public Procurement Rules-2010 (Amended 2013), is hereby constituted for procurement of "Goods / Works" in the Office of Executive Engineer, Highways Division, Sukkur excluding procurement involving foreign exchange, with the following composition :-

1	Executive Engineer, Highways Division, Sukkur	Chairman
2	Assistant Engineer, Highways Sub-Division, Rohri	Member
3	Assistant Engineer, Public Health Engineering Sub-Division, Rohri	Member

The Functions & Responsibilities of the Committee shall be as specified in Rule-7 & 8 of Sindh Public Procurement Rules-2010.

SECRETARY TO GOVT. OF SINDH

No.E&A(W&S)3-9/2014 (Sukkur)

Karachi, dated the 28th November, 2016.

A copy is forwarded for information to:

1. The Accountant General, Sindh, Karachi
2. The Managing Director, SPPRA, Karachi
3. The Chief Engineer (Highways), Sukkur
4. The Chairman / Members of the Committee
5. The Deputy Director (Monitoring), PM&E Cell, W&SD
6. PS to Minister, Works & Services Sindh
7. PS to Secretary, W&S Department
8. Notification file.

SECTION OFFICER (GENERAL)
FOR SECRETARY TO GOVT. OF SINDH

INSTRUCTIONS TO BIDDERS

BIDDING DOCUMENT

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BIDDING DOCUMENT

A. GENERAL

IB. 1 Scope of Bid & Source of Funds

1.1 Scope of Bid

The Procuring Agency as defined in the Bidding Data (**"Executive Engineer Highways Division Sukkur"**) wishes to receive Bids for the Works summarized in the Bidding Data **NOTE: - This Book is Valid for Serial No. 1 to 7 Book is valid.**

- 1.2 The successful bidder will be expected to complete the works within the time specified in Appendix-A to Bid.

IB. 2 Source of Funds

- 2.1 The Procuring Agency has arranged funds **by Government of Sindh from ADP No Provincial Local ADP SCHEME**, which may be indicated accordingly in bidding data towards the cost of the **NOTE: - This Book is Valid for Serial No. 1 to 6 and Serial No. 7 is Second No. Book is valid.**

IB. 3 Eligible Bidders

- 3.1 This invitation for Bids is open to all firms qualified with the procuring agency and are the eligibility 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) 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 bidder shall bear all costs associated with the preparation and submission of its bid 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 bidder's 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 (SPP 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).

BIDDING DOCUMENT

- 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 Bid Document will be rejected.

IB. 8 Clarification of Bidding Documents (SPP 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 All documents relating to the Bid shall be in the language specified in the Contract Data.

IB. 11 Documents Accompanying the Bid

11.1 Each bidder shall:

BIDDING DOCUMENT

- (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

BIDDING DOCUMENT

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

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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

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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 BID

IB. 19 Deadline for Submission, Modification & Withdrawal of Bids

Bids must be received by the Procuring Agency at **Office of the Executive Engineer Highways Division Sukkur** not later than **11:00 PM hours on 09.03.2018.**

- 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 and Contract Data; and
 - (c) provide a warning not to open before the specified time and date for Bid opening as defined in the Bidding Data.

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- 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.

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- 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

- 16.1 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 11:00 pm, **on 09.03.2018 in the Office of the Executive Engineer Highways Division Sukkur**. The bidders or their representatives who are in attendance shall sign an attendance sheet.

- 22.2 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

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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;

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- (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.

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- 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.

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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.

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- 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.

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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 0.30% 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

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BIDDING DATA

Instructions of Bidders

Clause Reference

- | | | |
|------|---|---|
| 1.1 | Name and address of the procuring agency | Office of the Executive Engineer Highways
Division Sukkur Tel. 071-9310751
xen.highwaysdivisionsuk@gmail.com |
| 1.2 | Name of the Project and Summary of the works | NOTE: - This Book is Valid for Serial No. 1 to 7 Book is valid. |
| 2.1 | Name of the Borrower/Source of Financing/ Funding Agency/Funding Source; | Government of Sindh
A.D.P No. Provincial ADPs |
| 2.1 | Amount and Type of Financing/Scheme Cost and Allocated Funds. | Rs. (Million) (ADP 2017-18)
Rs. (Million) |
| 8.1 | Time limit for clarification | 15 Days Before Last Date of Bid Submission |
| 10.1 | Bid language | English |
| 11.1 | (a) Prequalification Information to be updated | Not necessary. |
| 11.1 | (b) Furnish and Technical Proposal or Company Profile in single stage single envelope; | The bidder has to submit a technical proposal in sufficient detail to demonstrate the adequacy of the bid in meeting requirements for timely completion of the works. |
| 13.1 | Bidders to quote entirely in Pak. rupees but specify the percentages of foreign currency they require, if applicable. | Not applicable (Bidder to quote entirely in Pak rupees) |
| 14.1 | Period of Bid Validity | 90 Days |
| 15.1 | Amount of Bid Security | 5% of Bid Price |
| 17.1 | Venue, time, and date of the pre-Bid meeting | Bidder to be wished before dead line. |
| 18.4 | Number of copies of the bid to be completed and returned | One Original And
One Copy |
| 19.2 | (a) Procuring Agency's address for the purpose of bid submission | Office of the Executive Engineer Highways
Division Sukkur Tel. 071-9310751 |

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(b) Name and Identification Number of the Contract **NOTE: - This Book is Valid for Serial No. 1 to 7 Book is valid.**

- 20.1 (a) Deadline for submission of bids 08.03.2018 Upto 01:00 PM
- (b) Venue, time, and date of bid opening Office of the Executive Engineer Highways Division Sukkur
09.03.2018 @ 11:00 PM
- 32.1 Standard form and amount of Performance Security acceptable to the procuring agency 5% (Bank Guarantee)
- 32.3 Stamp duty 0.30% will be paid by successful bidder on a/c of stamp duty.

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GENERAL CONDITIONS

C O N T E N T S

DEFINITIONS LISTED ALPHABETICALLY

1 GENERAL PROVISIONS

- 1.1 Definitions
- 1.2 Interpretation
- 1.3 Communications
- 1.4 Law and Language
- 1.5 Priority of Documents
- 1.6 Contract Agreement
- 1.7 Assignment
- 1.8 Care and Supply of Documents
- 1.9 Delayed Drawings or Instructions
- 1.10 Employer's Use of Contractor's Documents
- 1.11 Contractor's Use of Employer's Documents
- 1.12 Confidential Details
- 1.13 Compliance with Laws
- 1.14 Joint and Several Liability
- 1.15 Inspections and Audit by the Bank

2 THE EMPLOYER

- 2.1 Right of Access to the Site
- 2.2 Permits, Licences or Approvals
- 2.3 Employer's Personnel
- 2.4 Employer's Financial Arrangements
- 2.5 Employer's Claims

3 THE ENGINEER

- 3.1 Engineer's Duties and Authority
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GENERAL CONDITIONS

General Provisions

1.1 Definitions

In the Conditions of Contract ("these Conditions"), which include Particular Conditions, Parts A and B, and these General Conditions, the following words and expressions shall have the meanings stated. Words indicating persons or parties include corporations and other legal entities, except where the context requires otherwise.

1.1.1 The Contract

1.1.1.1 "Contract" means the Contract Agreement, the Letter of Acceptance, the Letter of Tender, these Conditions, the Specification, the Drawings, the Schedules, and the further documents (if any) which are listed in the Contract Agreement or in the Letter of Acceptance.

1.1.1.2 "Contract Agreement" means the contract agreement referred to in Sub-Clause 1.6 [Contract Agreement].

1.1.1.3 "Letter of Acceptance" means the letter of formal acceptance, signed by the Employer, of the Letter of Tender, including any annexed memoranda comprising agreements between and signed by both Parties. If there is no such letter of acceptance, the expression "Letter of Acceptance" means the Contract Agreement and the date of issuing or receiving the Letter of Acceptance means the date of signing the Contract Agreement.

1.1.1.4 "Letter of Tender" means the document entitled letter of tender or letter of bid, which was completed by the Contractor and includes the signed offer to the Employer for the Works.

1.1.1.5 "Specification" means the document entitled specification, as included in the Contract, and any additions and modifications to the specification in accordance with the Contract. Such document specifies the Works.

1.1.1.6 "Drawings" means the drawings of the Works, as included in the Contract, and any additional and modified drawings issued by (or on behalf of) the Employer in accordance with the Contract.

1.1.1.7 "Schedules" means the document(s) entitled schedules, completed by the Contractor and submitted with the Letter of Tender, as included in the Contract. Such document may include the Bill of Quantities, data, lists, and schedules of rates and/or prices.

1.1.1.8 "Tender" means the Letter of Tender and all other documents which the Contractor submitted with the Letter of Tender, as included in the Contract.

1.1.1.9 "Bill of Quantities", "Daywork Schedule" and "Schedule of Payment Currencies" mean the documents so named (if any) which are comprised in the Schedules.

1.1.1.10 "Contract Data" means the pages completed by the Employer entitled contract data which constitute Part A of the Particular Conditions.

1.1.2 Parties and Persons

1.1.2.1 "Party" means the Employer or the Contractor, as the context requires.

1.1.2.2 "Employer" means the person named as employer in the Contract Data and the legal successors in title to this person.

1.1.2.3 "Contractor" means the person(s) named as contractor in the Letter of Tender accepted by the Employer and the legal successors in title to this person(s).

1.1.2.4 "Engineer" means the person appointed by the Employer to act as the Engineer for the purposes of the Contract and named in the Contract Data, or other person appointed from time to time by the Employer and notified to the Contractor under Sub-Clause 3.4 [Replacement of the Engineer].

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1.1.2.5 "Contractor's Representative" means the person named by the Contractor in the Contract or appointed from time to time by the Contractor under Sub-Clause 4.3 [Contractor's Representative], who acts on behalf of the Contractor.

1.1.2.6 "Employer's Personnel" means the Engineer, the assistants referred to in Sub-Clause 3.2 [Delegation by the Engineer] and all other staff, labour and other employees of the Engineer and of the Employer; and any other personnel notified to the Contractor, by the Employer or the Engineer, as Employer's Personnel.

1.1.2.7 "Contractor's Personnel" means the Contractor's Representative and all personnel whom the Contractor utilises on Site, who may include the staff, labour and other employees of the Contractor and of each Subcontractor; and any other personnel assisting the Contractor in the execution of the Works.

1.1.2.8 "Subcontractor" means any person named in the Contract as a subcontractor, or any person appointed as a subcontractor, for a part of the Works; and the legal successors in title to each of these persons.

1.1.2.9 "DB" means the person or three persons appointed under Sub-Clause 20.2 [Appointment of the Dispute Board] or Sub-Clause 20.3 [Failure to Agree on the Composition of the Dispute Board].

1.1.2.10 "FIDIC" means the Fédération Internationale des Ingénieurs-Conseils, the international federation of consulting engineers.

1.1.2.11 "Bank" means the financing institution (if any) named in the Contract Data.

1.1.2.12 "Borrower" means the person (if any) named as the borrower in the Contract Data.

1.1.3 Dates, Tests, Periods and Completion

1.1.3.1 "Base Date" means the date 28 days prior to the latest date for submission and completion of the Tender.

1.1.3.2 "Commencement Date" means the date notified under Sub-Clause 8.1 [Commencement of Works].

1.1.3.3 "Time for Completion" means the time for completing the Works or a Section (as the case may be) under Sub-Clause 8.2 [Time for Completion], as stated in the Contract Data (with any extension under Sub-Clause 8.4 [Extension of Time for Completion]), calculated from the Commencement Date.

1.1.3.4 "Tests on Completion" means the tests which are specified in the Contract or agreed by both Parties or instructed as a Variation, and which are carried out under Clause 9 [Tests on Completion] before the Works or a Section (as the case may be) are taken over by the Employer.

1.1.3.5 "Taking-Over Certificate" means a certificate issued under Clause 10 [Employer's Taking Over].

1.1.3.6 "Tests after Completion" means the tests (if any) which are specified in the Contract and which are carried out in accordance with the Specification after the Works or a Section (as the case may be) are taken over by the Employer.

1.1.3.7 "Defects Notification Period" means the period for notifying defects in the Works or a Section (as the case may be) under Sub-Clause 11.1 [Completion of Outstanding Work and Remedying Defects], which extends over twelve months except if otherwise stated in the Contract Data (with any extension under Sub-Clause 11.3 [Extension of Defects Notification Period]), calculated from the date on which the Works or Section is completed as certified under Sub-Clause 10.1 [Taking Over of the Works and Sections].

1.1.3.8 "Performance Certificate" means the certificate issued under Sub-Clause 11.9 [Performance Certificate].

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1.1.3.9 "day" means a calendar day and "year" means 365 days.

1.1.4 Money and Payments

1.1.4.1 "Accepted Contract Amount" means the amount accepted in the Letter of Acceptance for the execution and completion of the Works and the remedying of any defects.

1.1.4.2 "Contract Price" means the price defined in Sub-Clause 14.1 [The Contract Price], and includes adjustments in accordance with the Contract.

1.1.4.3 "Cost" means all expenditure reasonably incurred (or to be incurred) by the Contractor, whether on or off the Site, including overhead and similar charges, but does not include profit.

1.1.4.4 "Final Payment Certificate" means the payment certificate issued under Sub-Clause 14.13 [Issue of Final Payment Certificate].

1.1.4.5 "Final Statement" means the statement defined in Sub-Clause 14.11 [Application for Final Payment Certificate].

1.1.4.6 "Foreign Currency" means a currency in which part (or all) of the Contract Price is payable, but not the Local Currency.

1.1.4.7 "Interim Payment Certificate" means a payment certificate issued under Clause 14 [Contract Price and Payment], other than the Final Payment Certificate.

1.1.4.8 "Local Currency" means the currency of the Country.

1.1.4.9 "Payment Certificate" means a payment certificate issued under Clause 14 [Contract Price and Payment].

1.1.4.10 "Provisional Sum" means a sum (if any) which is specified in the Contract as a provisional sum, for the execution of any part of the Works or for the supply of Plant, Materials or services under Sub-Clause 13.5 [Provisional Sums].

1.1.4.11 "Retention Money" means the accumulated retention moneys which the Employer retains under Sub-Clause 14.3 [Application for Interim Payment Certificates] and pays under Sub-Clause 14.9 [Payment of Retention Money].

1.1.4.12 "Statement" means a statement submitted by the Contractor as part of an application, under Clause 14 [Contract Price and Payment], for a payment certificate.

1.1.5 Works and Goods

1.1.5.1 "Contractor's Equipment" means all apparatus, machinery, vehicles and other things required for the execution and completion of the Works and the remedying of any defects. However, Contractor's Equipment excludes Temporary Works, Employer's Equipment (if any), Plant, Materials and any other things intended to form or forming part of the Permanent Works.

1.1.5.2 "Goods" means Contractor's Equipment, Materials, Plant and Temporary Works, or any of them as appropriate.

1.1.5.3 "Materials" means things of all kinds (other than Plant) intended to form or forming part of the Permanent Works, including the supply-only materials (if any) to be supplied by the Contractor under the Contract.

1.1.5.4 "Permanent Works" means the permanent works to be executed by the Contractor under the Contract.

1.1.5.5 "Plant" means the apparatus, machinery and vehicles intended to form or forming part of the Permanent Works, including vehicles purchased for the Employer and relating to the construction or operation of the Works.

1.1.5.6 "Section" means a part of the Works specified in the Contract Data as a Section (if any).

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1.1.5.7 "Temporary Works" means all temporary works of every kind (other than Contractor's Equipment) required on Site for the execution and completion of the Permanent Works and the remedying of any defects.

1.1.5.8 "Works" mean the Permanent Works and the Temporary Works, or either of them as appropriate.

1.1.6 Other Definitions

1.1.6.1 "Contractor's Documents" means the calculations, computer programs and other software, drawings, manuals, models and other documents of a technical nature (if any) supplied by the Contractor under the Contract.

1.1.6.2 "Country" means the country in which the Site (or most of it) is located, where the Permanent Works are to be executed.

1.1.6.3 "Employer's Equipment" means the apparatus, machinery and vehicles (if any) made available by the Employer for the use of the Contractor in the execution of the Works, as stated in the Specification; but does not include Plant which has not been taken over by the Employer.

1.1.6.4 "Force Majeure" is defined in Clause 19 [Force Majeure].

1.1.6.5 "Laws" means all national (or state) legislation, statutes, ordinances and other laws, and regulations and by-laws of any legally constituted public authority.

1.1.6.6 "Performance Security" means the security (or securities, if any) under Sub-Clause 4.2 [Performance Security].

1.1.6.7 "Site" means the places where the Permanent Works are to be executed, including storage and working areas, and to which Plant and Materials are to be delivered, and any other places as may be specified in the Contract as forming part of the Site..

1.1.6.8 "Unforeseeable" means not reasonably foreseeable by an experienced contractor by the Base Date.

1.1.6.9 "Variation" means any change to the Works, which is instructed or approved as a variation under Clause 13 [Variations and Adjustments].

1.2 Interpretation

In the Contract, except where the context requires otherwise:

(a) words indicating one gender include all genders;

(b) words indicating the singular also include the plural and words indicating the plural also include the singular;

(c) provisions including the word "agree", "agreed" or "agreement" require the agreement to be record in writing;

(d) "written" or "in writing" means hand-written, type-written, printed or electronically made, and resulting in a permanent record; and

(e) the word "tender" is synonymous with "bid", and "tenderer" with "bidder" and the words "tender documents" with "bidding documents".

The marginal words and other headings shall not be taken into consideration in the interpretation of these Conditions.

In these Conditions, provisions including the expression "Cost plus profit" require this profit to be one-twentieth (5%) of this Cost unless otherwise indicated in the Contract Data.

1.3 Communications

Wherever these Conditions provide for the giving or issuing of approvals, certificates, consents, determinations, notices, requests and discharges, these communications shall be:

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(a) in writing and delivered by hand (against receipt), sent by mail or courier, or transmitted using any of the agreed systems of electronic transmission as stated in the Contract Data; and

(b) delivered, sent or transmitted to the address for the recipient's communications as stated in the Contract Data. However:

- (i) if the recipient gives notice of another address, communications shall thereafter be delivered accordingly; and
- (ii) if the recipient has not stated otherwise when requesting an approval or consent, it may be sent to the address from which the request was issued.

Approvals, certificates, consents and determinations shall not be unreasonably withheld or delayed. When a certificate is issued to a Party, the certifier shall send a copy to the other Party. When a notice is issued to a Party, by the other Party or the Engineer, a copy shall be sent to the Engineer or the other Party, as the case may be.

1.4 Law and Language The Contract shall be governed by the law of the country or other jurisdiction stated in the Contract Data.

The ruling language of the Contract shall be that stated in the Contract Data.

The language for communications shall be that stated in the Contract Data. If no language is stated there, the language for communications shall be the ruling language of the Contract.

1.5 Priority of Documents The documents forming the Contract are to be taken as mutually explanatory of one another. For the purposes of interpretation, the priority of the documents shall be in accordance with the following sequence:

- (a) the Contract Agreement (if any),
- (b) the Letter of Acceptance,
- (c) the Tender,
- (d) the Particular Conditions - Part A,
- (e) the Particular Conditions - Part B,
- (f) these General Conditions,
- (g) the Specification,
- (h) the Drawings, and
- (i) the Schedules and any other documents forming part of the Contract.

If an ambiguity or discrepancy is found in the documents, the Engineer shall issue any necessary clarification or instruction.

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.
- 1.1.2.2 "Employer" is synonymous with "Procuring Agency"
- 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

Procuring Agency can retain this clause with or without changes, in case of contracts under Project, Bank and donor's programme.

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)

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 paragraph is added:

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

The following sub-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 either form of:

- a) Bar Chart identifying the critical activities.
 - b) Critical Path Method (CPM) identifying the critical path/activities.
 - c) Program Evaluation and Review Techniques (PERT).
- (Procuring Agency to select appropriate one)*

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 will be applicable for Foreign funded Project/ Schemes or ICB Contracts (locally & foreign funded) only. The following provision is added for Local funded Project/ Schemes/National Competitive Bidding Contracts:

The amounts payable to the Contractor, pursuant to Sub-Clause 14.6, shall be adjusted in respect of the rise or fall in the cost of materials only, and will be paid to the contractor on those items mentioned in the **Appendix –C (B)**.

Similarly reduction in the cost of these materials will also be recovered from the contractor accordingly.

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 Rs. 2.5 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

Add the following paragraph as sub-clause 14.5 (d) for Secured Advance on non – perishable materials and sub-clauses (a), (b) and (c) will be applicable for plants only :-

(I) The Contractor shall be entitled to receive from the procuring agency Secured Advance against an INDENTURE BOND in Public Works Account Form No.31 (Fin. R. Form No. 2) acceptable to the procuring agency of such sum as the Engineer may consider proper in respect of non-perishable materials brought at the site but not yet incorporated in the Permanent Works provided that:

- (i) The materials are in accordance with the specifications for the permanent works;
- (ii) Such materials have been delivered to the site and are properly stored and protected against loss or damage or deterioration to the satisfaction and verification of the Engineer/Assistant Engineer but at the risk and cost of the Contractor;
- (iii) The Contractor's records of the requirements, orders, receipts and use of materials are kept in a form approved by the Engineer, and such records shall be available for inspection by the Engineer;
- (iv) The Contractor shall submit with his monthly statement the estimated value of the materials on site together with such documents as may be required by the Engineer for the purpose of valuation of materials and providing evidence of ownership and payment therefore;
- (v) Ownership of such materials shall be deemed to vest in the procuring agency and these materials shall not be removed from the site or otherwise disposed of without written permission of the procuring agency;
- (vi) The sum payable for such materials on site shall not exceed 75 % of the (i) landed cost of imported materials, or (ii) ex-factory / ex-warehouse price of locally manufactured or produced materials, or (iii) market price of stands other materials;

BIDDING DOCUMENT

- (vii) Secured Advance shall not be allowed unless and until the previous advance, if any, is fully recovered;
- (viii) Detailed account of advances must be kept in part II of running account bill or a separate statement; and
- (ix) Secured Advance may be permitted only against materials/quantities anticipated to be consumed / utilized on the work within a period of 3 months from the date of issue of secured advance and in no case for full quantities of materials for the entire work/contract.

(II) Recovery of Secured Advance:

Secured Advance paid on non-perishable materials to the Contractor under the above provisions shall be effected from the monthly payments on actual consumption basis, but not later than period specified in the rules not more than three months (even if unutilized);

14.8 Delayed Payment

Second Para is replaced with following text:

In the event of the failure of the Procuring Agency to make the payment within the time stated, the procuring agency shall pay to the contractor in case of **ICB contracts only**, the compensation at rate of KIBOR+2% per annum in local currency and Libor+1% for foreign currency, upon all sums to be paid from the date of which the same would have been paid.

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 18.1,18.2,18.3,18.4) with Insurance Company having at least AA rating from PACRA/JCR in favour of the Employer//Procuring Agency valid for a period 28 days after beyond the Bid Validity date. 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 in Sindh Province.

Procuring Agency can retain this clause without changes, in case of contracts under Project, (96) Bank and donor's programme except the place of arbitration shall be in Sindh Province.

PART II –SPECIAL/PARTICULAR CONDITIONS OF CONTRACT

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Advance Payment	14.2
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Appointment of the Dispute Board / Notification of the Committee	20.2
Arbitration 20.6 Commencement of Works	8.1
Contractor's Representative	4.3
Contractor's Claims	20.1
Contract Price	14.1
Corrupt and fraudulent Practices (Integrity Pact).	15.6
Definitions	1.1
Delayed Payments	14.8
Employer's/Procuring Agency's Risks	17.3
Engineer's Duties and Authority	3.1
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Failure to agree on the composition of the Dispute Board.	20.3
Failure to comply with Dispute Board's Decision	20.7
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Obtaining Dispute Board's Decision 20.4 Payment on Termination	15.6
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Right to vary	13.1
Termination by Employer/Procuring Agency	15.2
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Variation procedure	13.3

SPECIFICATION

FORM OF BID

BIDDING DOCUMENT

FORM OF BID

Bid Reference No. : - **NOTE: - This Book is Valid for Serial No. 1 to 6 and Serial No. 7 is Second No. Book is valid.**

To,

EXECUTIVE ENGINEER,
HIGHWAYS DIVISION SUKKUR.

Gentlemen,

1. Having examined the Bidding Documents including Instructions to Bidders, Bidding Data, Conditions of Contract, Contract Data, Specifications, Drawings, if any, Schedule of Prices and Addenda Nos. _____ for the execution of the above-named works, we, the undersigned, being a company doing business under the name of and address _____ and being duly incorporated under the laws of Pakistan hereby offer to execute and complete such works and remedy any defects therein in conformity with the said Documents including Addenda thereto for the Total Bid Price of Rs _____ (Rupees _____) or such other sum as may be ascertained in accordance with the said Documents.
2. We understand that all the Schedules attached hereto form part of this Bid.
3. As security for due performance of the undertakings and obligations of this Bid, we submit herewith a Bid Security in the amount of _____ drawn in your favour or made payable to you and valid for a period of twenty eight (28) days beyond the period of validity of Bid.
4. We undertake, if our Bid is accepted, to commence the Works and to deliver and complete the Works comprised in the Contract within the time(s) stated in Contract Data.
5. We agree to abide by this Bid for the period of _____ days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
6. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
7. We undertake, if our Bid is accepted, to execute the Performance Security referred to in Conditions of Contract for the due performance of the Contract.
8. We understand that you are not bound to accept the lowest or any bid you may receive.
9. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other person or persons making a bid for the Works.

BIDDING DOCUMENT

Dated this _____ day of _____, 20

Signature _____

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

(Name of Bidder in Block Capitals)

(Seal)

Address

Witness:

(Signature) _____

Name: _____

Address: _____

APPENDICES TO BID INCLUDE THE FOLLOWING:

- Appendix-A to Bid : Special Stipulations
- Appendix-B to Bid : Foreign Currency Requirements
- Appendix-C to Bid : Price Adjustment (Under Clause 70)
- Appendix-D to Bid : Bill of Quantities
- Appendix-E to Bid : Proposed Construction Schedule
- Appendix-F to Bid : Method of Performing the Work
- Appendix-G to Bid : List of Major Equipment – Related Items
- Appendix-H to Bid : Construction Camp and Housing Facilities
- Appendix-I to Bid : List of Subcontractors
- Appendix-J to Bid : Estimated Progress Payments
- Appendix-K to Bid : Organization Chart of the Supervisory Staff and Labour.
- Appendix-L to Bid : Integrity Pact

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	No any consulting firm has been hired.
2.	Amount of Performance Security	4.2	5% (Bank Guarantee)
3.	Time for Furnishing Programme	8.3	---
4.	Minimum amount of Third Party Insurance	18.3	----
5.	Time for Commencement	8.1	Within fourteen days after signing of Contract Agreement.
6.	Time for Completion (works & sections)	8.2 & 10.2	2 Years
7.	Amount of Liquidity Damages/Delay Damages/Penalties	8.7	5%
8.	Defects Liability Period	11.1	---
9.	Percentage of Retention Money	14.2	Not applicable
10.	Limit of Retention Money	14.2	Not applicable
11.	Minimum amount of Interim/Running Payment Certificates	14.2	Not applicable
12.	Time of Payment from delivery of Engineer's Interim/Running Payment Certificate to the procuring agency.	14.7	Not applicable
13.	Mobilization Advance.	14.2	Not applicable

FOREIGN CURRENCY REQUIREMENTS

Not Applicable

**PRICE ADJUSTMENT UNDER CLAUSE 70/13.8
OF CONDITIONS OF CONTRACT**

Not Applicable

BILL OF QUANTITIES**A. Preamble**

1. The Bill of Quantities shall be read in conjunction with the Conditions of Contract, Specifications and Drawings.
2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work executed and measured by the Contractor and verified by the Engineer and valued at the rates and prices entered in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix as per the Contract (in case of item not mentioned in Bill of Quantities).
3. The rates and prices entered in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the contract include all costs of contractor's plant, labour, supervision, materials, execution, insurance, profit, taxes and duties, together with all general risks, liabilities and obligations set out or implied in the contract. Furthermore all duties, taxes and other levies payable by the contractor under the contract, or for any other cause, as on the date 14 days prior to deadline for submission of Bids in case of ICB/NCB respectively, shall be included in the rates and prices and the total bid price submitted by the bidder.
4. A rate or price shall be entered against each item in the priced Bill of Quantities, whether quantities are stated or not. The cost of items against which the contractor will have failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities and shall not be paid separately.
5. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related items of the works.
6. General directions and description of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. References to the relevant sections of the bidding documents shall be made before entering prices against each item in the priced Bill of Quantities.
7. Provisional sums included and so designated in the Bill of Quantities shall be expended in whole or in part at the direction and discretion of the Engineer in accordance with sub-clause 13.5 of Part I, General Conditions of Contract.

BILL OF QUANTITIES

S U M M A R Y

Bill No.	Description	Total Amount (Rs.)
01.	NOTE: - This Book is Valid for Serial No. 1 to 6 and Serial No. 7 is Second No. Book is valid.	
	TOTAL BID PRICE: -	

SCHEDULE OF PRICES

BILL OF QUANTITIES

ADP NO./WORK NO: - 1551

NAME OF WORK: - Construction of Drain & Paver Disposal Work for village Kandri Bhai Khan Shaikh Goral Shaikh, Wadi Patni Sarwar Shaikh.

DESCRIPTION AND RATE OF ITEM BASED ON COMPOSITE OF RTAES.

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
---------	----------	--	------	------	------------------

PART "A" SCHEDULE ITEM (ROAD WORK)

1	16315	Laying brick on end edging including supplying 9"x4 1/2" x3" first class brick excavation for having edging with small size parallel to the road (rate i/c lead up to site of work).	2729.96	% Sft	445,393
2	48946	Preparing Base Course i/c supplying and spreading stone metal of approved quality from approved quarry properly graded to maximum size of 1 1/2" in required thickness to proper camber and grade including supplying and spreading 15 Cft. Screening and non plastic quarry fines filling depressions with stone metal after initial rolling i/c watering and compacting the same so as to achieve 100% density as per modified AASHO specification (Rate i/cs providing and using templates camber plates, screen forms as directed) rate i/cs all cost of material T&P and carriage upto 3 chains.	6931.01	% Sft	3,392,452
3	97891	Providing surface dressing 1st coat on new or existing surface with 30 lbs bitumen and 4.0 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).	1595.98	% Cft	1,562,321
4	97891	Providing and Laying to proper line and grade 1-1/2" thick Pre-Mix Carpet with Paver Machine Prepared to Specified formula according to job mix formula approved by Engineer incharge including rolling and finishing to properline, grade level and camber etc (Rate all cost of materials T&P and carriage upto 3 chains.)	6963.60	% Sft	6,816,738
5	341796	Earth work embankment from borrow pits i/c laying in 6" layers, clod breaking ramming dressing complete, lead upto 100 ft. lift upto 5 ft. (In ordinary Soil)	7723.95	%o Cft	2,640,015

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
6	69340	preparing Sub-base by supplying and spreading well graded pit or bed run gravel having a liquit limit not greater than 25 and plastcity index not greater than 6 inproper camber and grade i/c watering rolling and compacting in layers thickness of each compacting layer not exceeding 6" compacted upto 98-100% density as per modified AASHO densit(Rate i/c all cost of material T&P and carriage upto 3 chains).	3341.71	% Cft	2,317,142
T O T A L : -					17,174,061

_____ % Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

Ded: Diff Cost of Bitumen (-)

_____ 1,215,073

T O T A L : - _____

Total Amount in works _____

CONTRACTOR

hi a
EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR


SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "C" SCHEDULE ITEM (PAVER BLOCK)					
1	71610	Providing sand cushion i/c pit canal sand of approved source i/c watering etc complete rate i/c all cost of carriage upto site of work	1488.68	% Sft	1,066,044
2	56265	Cement concrete brick or stone pallast 1-1/2" to 2" gauge ratio 1:4:8.	9416.28	% Cft	5,298,070
3		Providing & fixing cement paving blocks flooring having size of 197x97x80 (mm) of ci/quaddra/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.			
a)	325600		199.77	P. Sft	65,045,112
b)	15400		223.97	P. Sft	3,449,138
4	15345	Cement Concrete plain i/c placing compacting finishing and curring complete (i/C screening and washing at stone aggregate without shuttering (f) Ratio 1:2:4	14429.25	%Cft	2,214,168
T O T A L : -					77,072,532

_____ % Above / Below / at Par, on the rates of CSR
 _____ Amount to be Added / Deducted on the

T O T A L : - _____

Total Amount in works _____

CONTRACTOR


 EXECUTIVE ENGINEER
 HIGHWAYS DIVISION
 SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (3' SPAN CULVERTS)

1	16628.5	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft (B) in ordinary soil.	3176.25	%o Cft	52,816
2	6313.38	Cement Concrete Plain i/c Placing compacting, finishing and curing complete (I/c screening and washing at stone aggregate without shuttering ratio 1:4:8.	11288.75	% Cft	712,702
3	10565.63	Pacca Brick work in foundation and plinth in cement sand mortar 1:6.	11948.36	% Cft	1,262,420
4		Constructing of standard open drains cuntte block of cement concrete (1:2:4) ini situ to the design profile i/c cost of mould as per drawing i/c applying floating cost of cement 1/32" thick to the exposed face finished soomth etc complete as per detailed drawing.			
a)	4175	Type-I Drain	94.00	P. Rft	392,450
b)	1450	Type-II Drain	174.00	P. Rft	252,300
5	102.39	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 removeal of rust from bars.)	4820.20	P-Cwt	493,540
6	2548.25	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shutterning and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	% Cft	858,760
T O T A L : -					4,024,988

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

Total Amount in works

CONTRACTOR

EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (II) RCC COLLECTING TANK)

1	1570	Excavtion of well in dry upto 20' below ground level and disposel of soil within one chain. in ordinary soil.	2247.58	%o Cft	3,529
2		Wet sinking of wells for depth below Spring level by means of spring level by means of devers including all charges for shoring loading and removing excavted material within one chain. In ordinary soil.			
a)	1202.03	0' - 15' Depth	11763.80	%o Cft	14,140
b)	1202.03	5.1' - 10' Depth	24200.00	%o Cft	29,089
c)	480.81	10.1' - 15' Depth	37230.77	%o Cft	17,901
3	984.41	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P-Cft	331,746
4	40.96	Fabrication of mild Steel reinforcement for Cement Concrete including cutting, bending, laying in position, making joints and fastening including cost of binding wire (also includes removal of rust bars) Using Tor Bars.	5001.70	P-Cwt	204,870
5	100.48	Providing "Expansion joint" in concrete work of 9" wide corugated PVC waterstop (with bulb) i/c Soldering cost of material and labour etc complete.	86.00	P-Rft	8,641
6	371.66	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge Ratio 1 : 4 : 8	9416.28	% Cft	34,997
7		Cement Concrete plain i/c compacting finishig and curring complete i/c washing of stone aggregate without shuttering			
a)	176.63	Ratio 1:3:6	12595.00	% Cft	22,247
b)	176.63	Ratio 1:2:4	14429.25	% Cft	25,486
c)	176.63	Ratio 1:4:8	11288.75	% Cft	19,939


SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
8	3355.88	Bailing or pumping out sub soil water during excavation concreting, cost in situ concrete or masonry work in foundation etc.	543.00	% Cft	18,222
T O T A L : -					730,808

_____ % Above / Below / at Par, on the rates of CSR
 _____ Amount to be Added / Deducted on the

T O T A L : - _____

Total Amount in works _____

CONTRACTOR


 EXECUTIVE ENGINEER
 HIGHWAYS DIVISION
 SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (III) RCC SCREENING CHAMBER)					
1	616	Excavation in foundation of building bridge and other structure i/c dressing refeling arround structure with excavated earth watering and ramming lead upto one chain and lift upto 5 ft. in ordinary soil.	3176.25	%o Cft	1,957
2	176.00	Extra for Wet earth work	1058.75	%o Cft	186
3	66.00	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge ratio 1:4:8	9416.28	% Cft	6,215
4	231.72	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P. Cft	78,090
5	9.31	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 removeal of rust from bars.)	5001.70	P. Cwt	46,566
6	29	Providing "Expansion joint" in concrete work of 9" wide corugated PVC waterstop (with bulb) i/c Soldering cost of material and labour etc complete.	86.00	P-Cft	2,494
7	1.72	Small iron work such as gusset plate knees bends, stirrups, rings etc.Including cutting, drilling, revertting, handling, assembling and fixing but excluding erection in position.	6420.61	P-Cwt	11,043
10	1	Providing C.I Manhole Cover & Frame i/c Cost of Material etc.	6985.00	P-Cwt	6,985
11	1.72	Erection and fitting in position of iron trusses staging of water tanks etc.	271.04	P-Cwt	466
12	12.40	Pacca brick work in foundation and plinth in: (e) Cement sand mortar 1:6	11948.36	% Cft	1,482
13	46.03	Cement plaster 1:4 upto 12' height (b) 1/2" thick.	2283.93	% Sft	1,051
14	84	Excavation for pipe line in trenches, and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	3600.00	%o Cft	302


SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
15	75.60	Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc complete.	2760.00	%o Cft	209
16	8	Providing, Laying RCC pipes of A.S.T.M C-76-62 T/C-76-70 of Class II wall B and fixing in trench i/c cutting, fitting and jointing with rubber ring i/c testing with water to specified pressure. 375 mm (15" dia)	515.00	P. Rft	4,120
T O T A L : -					161,166

_____ % Above / Below / at Par, on the rates of CSR
 _____ Amount to be Added / Deducted on the

T O T A L : - _____

Total Amount in works _____

CONTRACTOR


 EXECUTIVE ENGINEER
 HIGHWAYS DIVISION
 SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (IV) (PUMP HOUSE)					
1	188	Excavation in foundation of building bridge and other structure i/c dressing refeling arround structure with excavated earth watering and ramming lead upto one chain and lift upto 5 ft. in ordinary soil.	3176.25	%o Cft	597
2	88.36	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge ratio 1:4:8	9416.28	% Cft	8,320
3	278.83	Pacca brick work in ground floor in: (e) Cement sand mortar. 1:6	12674.36	% Cft	35,340
4	53.11	Damp proof course with (cement sand and shingle concrete 1:2 :4) including 2 coats of asphaltic mixture. (c) 3" thick	4982.18	% Sft	2,646
5	308.63	Pacca brick work in ground floor in: (e) Cement sand mortar. 1:6	12674.36	% Cft	39,117
6	4.41	Fabrication of heavy steel work with angles, tees, flat iron, round iron and sheet iron for making trusses, girders, tands etc. including cutting, tanks etc. including cutting, drilling rivetting, handling assembling and fixing but excluding erection in position.	4928.49	P. Cwt	21,735
7	105.36	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P-Cft	35,506
8	4.23	Fabrication of mild Steel reinforcement for Cement Concrete including cutting, bending, laying in position, making joints and fastening including cost of binding wire (also includes removal of rust bars) Using Tor Bars.	5001.70	P-Cwt	21,157
9	24	Supplying & fixing in position iron/steel grill of 3/4" x 1/4" size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq . Foot of finished grill).	180.50	P-Sft	4,332
10	376.71	Filling, watering and ramming earth in floors with surplus earth from foundation lead upto one chain and lift jupto 5 feet.	1512.50	%o Cft	570
11	104	Painting New Surface Preparing surface and painting of doors and windows any type (Including edges) Three Coat.	2116.41	% Sft	220,107
12	4.41	Erection and fitting in position of iron trusses staging of water tanks etc.	271.04	P-Cwt	1,195
13	448	Cement pointing struck joints on walls. (b) Ratio 1:3	1213.58	% Sft	5,437

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
14	593.92	Cement plaster 1:4 upto 12' height (b) 1/2" thick.	2283.93	% Sft	13,565
15	593.92	Cement plaster 1:4 upto 12' height (a) 3/8" thick	2197.52	% Sft	13,052
16	204.00	White washing. (b) Two coats	425.84	% Sft	869
17	593.92	Priming coat of chalk distemper.	442.75	% Sft	2,630
18	593.92	Distempering. (b) Two coats	1043.90	% Sft	620
19	111.78	Providing and laying 1" thick topping cement concrete (1:2:4) including Surface finishing and dividing into panels: (d.) 3" thick	4411.82	% Sft	493
T O T A L : -					427,287

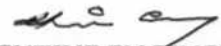
_____ % Above / Below / at Par, on the rates of CSR

_____ Amount to be Added / Deducted on the

T O T A L : - _____

Total Amount in works _____

CONTRACTOR


EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (V) (PUMPING MACHINERY 5.5 BHP)					
1	4	Supplying Installing in position at site of work for Drainage scheme Electric Motor set 5.5 BHP (Semense made) 4 pole 1450 RPM 3 phase 400 VAC Cycle coupled with KSB Non colgging sludge pump (Type KWPZ-65-315) size 3x2 1/2" i/c common stel frame and coupling wht sleeve etc complete capbale of dischargeing 100 GPM @ 555 feet head with local made as under: Eletric drop cable 10 mm 2-3 core and 80 feet water prof joint G.I pipe 2" IIL-M grade x 30 feet G.I Band 2 x 1 G.I Deelivery Pipe 2" IIL-M grade x 5 feet MS foundation plate with T-Bolts M.S Holdings clamp 2 1/2"x1 sockets 2x4 M.S Bore cover plate x 1 wire rope with clamps x 130 feet i/c providing and fixing automatic MCU (Motor Control Unit) consist oil starter (MEECO Pakistan) MCCB Bricker 10-A to 50-A (Shihin Taiwan) cutout 60-A (China) AMP meter (60-A) (SELCO) China volt meter (500-V) (SELCO) China) Phase indication light (China) include transformer oil (2-Ltr) penal board 18"x26" and internal wiring etc complete and providing fixing earthing	690000	P. Set	2,760,000
2	2	Supplying and Installing Diesel Oil Engine of 8 BHP (Golden Made) model GD-1110L 2200 RPM coupled with non clogging horizontal semi semi open impeller pump type GSWG-103 size 4x3 capable discharge 110 GPM against the head of 55 ft i/c frame, pulley for engine and pump with belt and installing of pump set in cc foundation with nuts and bolts and testing of pumping set against the required at 45 hrs.	202000	P. Set	404,000
3		Inter Connection: - Manufacturing and Fixing black steel M.S Pipe made out of MS Sheet 3/16" thick cutting folding to curvature and Shape i/c welding etc complete.			
a)	12	Suction 3" Dia	385.59	P. Rft	4,627
b)	12	Delevery 4" Dia	506.60	P. Rft	6,079
c)	18	P.E Pipe HDPE PN-10 6" Dia.	530.00	P. Rft	9,540
4		Supplying & Installing with welding MS Flange made out of MS Sheet 3/8" Thick.			
a)	4	3" Dia	500.89	Each	2,004
b)	4	4" Dia	596.75	Each	2,387
c)	10	6" Dia	804.77	Each	8,048
5	2	Reflex Valve pattern (Test pressure 21.0 KM/Sq.Cm or 300 lbs /sqinch) Imported	4062.50	Each	8,125
6	2	C.I sluice vaive pattern (Test pressure 21.0KM/Sq.CM or 300 lbs/sqinch) Imported.	9360.00	Each	187
7	64.10	C.I Bends with flanged ends with holes i/c turning and facing of flanges for all size.	120.00	P. KG	7,692

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
8	33.41	C.I Tapper flat bottomed or central tapered flanged ends with holes i/c turning facing of flanges for all size.	120.00	P. KG	4,009
9		Foot valve heavy pattern with cone type gate (imported)			
a)	1	3" Dia	731.25	Each	731
b)	1	4" Dia	893.75	Each	894
10	22	C.I Tees flanges ends with holes i/c turning and facing of flanges for all size	120.00	P. KG	2,640
11		Making But fusion joint			
a)	4	3"	600.00	Each	2,400
b)	4	4"	10000.00	Each	40,000
c)	4	6"	10000.00	Each	40,000
12		Flange Adopter NSI			
a)	4	3"	675.00	Each	2,700
b)	4	4"	1215.00	Each	4,860
c)	4	6"	2025.00	Each	8,100
13		Jointing C.I/M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts, bolts with washers etc and other tools required for jointing and testing the joints to the specified pressure etc complete.			
a)	4	3" Dia	499.00	Each	1,996
b)	4	4" Dia	513.00	Each	2,052
c)	8	6" Dia	938.00	Each	7,504
T O T A L : -					3,330,575

% Above / Below / at Par, on the rates of CSR
Amount to be Added / Deducted on the

T O T A L : -

Total Amount in works

CONTRACTOR

EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (VI) (P.E RISING MAIN 4" Dia)

1	15000	Excavation for pipe line in trenches, and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	3600	%o Cft	54,000
2	2500	Providing,Laying & Fixing in trench i/c fitting, jointing & testing etc complete in all respect the high Density Polythylene PE pipes (HDPE-100) for W/S confirming ISO 4427/DIN8074/8075 B.S 3580 & PSI 3051. 160 mm	440	P. Rft	1,100,000
3		High Density Polythene Fitting			
a)	3	45 Elbow 4" Dia	4349.00	Each	13,047
b)	2	90 Bend 4" Dia	3480.00	Each	6,960
c)	1	4" Dia	8363.00	Each	8,363
d)	4	4" Dia	731.25	Each	2,925
e)	3	4" Dia.	400.00	Each	1,200
4	2	Supplying C.I Sluice Value heavy pattern test pressure 21.0KM/sq.cm or 300 lbs /sqinch.	487.50	Each	975
5	10	P.E Pipe Specials for fitting	1000.00	Each	10,000
6	13500	Refillinf the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc complete.	2760.00	%o Cft	37,260
7	2500	Cartge of U.P.V.C/P.E pipe of any class by machnical transport i/c loading unloading and stacking at site.	870.68	% Rft	21,767
T O T A L : -					1,256,497

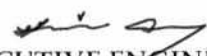
_____ % Above / Below / at Par, on the rates of CSR

_____ Amount to be Added / Deducted on the

T O T A L : - _____

Total Amount in works _____

CONTRACTOR


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SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (VII) (COMPOUND WALL)					
1	852	Excavation in foundation of building bridge and other structure i/c dressing refeling arround structure with excavated earth watering and ramming lead upto one chain and lift upto 5 ft. in ordinary soil.	3176.25	%o Cft	2,706
2	213	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge ratio 1:4:8	9416.28	% Cft	20,057
3	1188.30	Pacca brick work in foundation and plinth in: (e) Cement sand mortar 1:6	11948.36	% Cft	141,982
4	230.52	Damp proof course with (cement sand and shingle concrete 1:2 :4) including 2 coats of asphaltic mixture. (c) 3" thick	4982.18	% Cft	11,485
5	51.50	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P. Rft	17,356
6	2.07	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 removeal of rust from bars.)	5001.70	P. Cwt	10,354
7	612	Pacca brick work other than building including striking of joints upto 20 feet height in: (e) Cement sand mortar. 1:6	12346.65	% Cft	75,561
8	2142	Cement plaster 1:4 upto 12' height (b) 1/2" thick.	2283.93	% Cft	48,922
9	800	Cement pointing struck joints on walls. (b) Ratio 1:3	1213.58	% Cft	9,709
10	2142	Cement plaster 1:4 upto 12' height (a) 3/8" thick	2197.52	% Cft	47,071
11	5.36	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 removeal of rust from bars.)	4928.49	P. Cwt	26,417
12	5.36	Erection and fitting in position of iron trusses staging of water tanks etc.	271.04	P. Cwt	1,453
13	2142	Preparing the surafec and painting with weather coat i/c rubbing the surface with rubbing brick /sand paper, filling the voids with chalk/ plaster of pairs and then painting with weather coat of approved make.	1948.10	% Sft	41,728


SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
14	100	Painting new surface. Preparing surface and painting of doors and windows any type (including edges) Three Coat.	2116.41	% Sft	2,116
T O T A L : -					456,916

_____ % Above / Below / at Par, on the rates of CSR
 _____ Amount to be Added / Deducted on the

T O T A L : - _____

Total Amount in works _____

CONTRACTOR


 EXECUTIVE ENGINEER
 HIGHWAYS DIVISION
 SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (VIII) (OXIDATION POND)					
1	82000.38	Excavation for tanks and reservoir in soft soils i/c trimming and dressing sides to true alignment/design sections/profiles and shape levelling 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. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	3000.00	%o Cft	246,001
2	6000	Excavation for tanks and reservoir in hard soils i/c trimming and dressing sides to true alignment/design sections/profiles and shape levelling 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. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	5350.00	%o Cft	32,100
3	83937.00	Earth work compaction (Soft, Ordinary or hard soil) laying earth in 6" layers leveling and dressing complete.	354.00	%o Cft	29,714
T O T A L : -					307,815

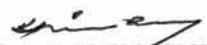
% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

Total Amount in works

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EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (IX) (RCC SUMP WELL)

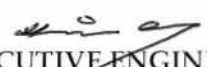
1	907.46	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft. (b) In ordinary soil.	3176.25	%o Cft	2,882
2	453.73	Extra for wet earth work.	1058.75	%o Cft	480
3	50.24	Cement concrete brick or stone ballast 1 1/2" to 2" gauge. (b) Ratio 1 : 4 : 8	9416.28	% Cft	4,731
4	201.75	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P. Cft	67,990
5	8.11	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.)	5001.70	P. Cwt	40,564
T O T A L : -					116,647

_____ % Above / Below/ at Par, on the rates of CSR
 _____ Amount to be Added / Deducted on the

T O T A L : - _____

Total Amount in works _____

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (X) (INTER CONNECTION)

1	1008.00	Excavation for pipe line in trenches, and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	3600.00	%o Cft	3,629
2	792.00	Excavation for pipe line in trenches, and pits in sandy soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	5400.00	%o Cft	4,277
3	96.00	Providing, Laying RCC pipes of A.S.T.M C-76-62 T/C-76-70 of Class II wall B and fixing in trench i/c cutting, fitting and jointing with rubber ring i/c testing with water to specified pressure. 375 mm (15" dia)	515.00	P. Rft	49,440
4	907.00	Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc. complete.	2760.00	%o Cft	2,503
5	96.00	Cartge of U.P.V.C/P.E pipe of any class by machnical transport i/c loading unloading and stacking at site.	870.68	% Rft	836
T O T A L : -					60,685

% Above / Below/ at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

x 2 =

Total Amount in works

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HIGHWAYS DIVISION
SUKKUR

BILL OF QUANTITIES

ADP NO./WORK NO: - 1553

NAME OF WORK: - Construction of Paver Block, Disposal Work & Paver Work at Village Ali Dino Zangejo, Nabi Bux Shaikh Nihal Khan Qazi, Bahrio Solangi, Muhammad Pnaja Solangi, Khan Muhammad, Noor Muhammad Soomro, Wada Katpar.

DESCRIPTION AND RATE OF ITEM BASED ON COMPOSITE OF RTAES.

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "A" SCHEDULE ITEM (ROAD WORK)

1		Earth work road embankment by Bulldozers including ploughing, mixing, cold breaking, dressing & compacting with optimum moisture content lead upto 100 ft. upto 5 Cft. In all types of soil except rock. (If earth is done by other than department agency) compacting 95-100% modified AASHO density.			
		WITHOUT EXTRA LEAD			
a)	206877	85% Compaction	7723.95	%o Cft	1,597,908
b)	42827	95-100% Compaction	10253.72	%o Cft	439,136
c)	1402	85% Compaction	3656.23	%o Cft	5,126
d)	4759	85% Compaction	6190.17	%o Cft	29,459
2	20394	Preparing sub-base course supply and spreading stone metal 1 1/2 -2' gauge of approved quality from approved quarry in required thickness of 6"x2" in layers 3' each to proper camber and grade including hand packing filling voids with 10 Cft. Screening & non plastic quarry fines of approved quality and gauge from approved source, watering & compacting to achieve 95-100% density as per modified AASHO specification (Rate includes all cost of materials and carriage site of work).	5888.53	% Cft	1,200,907
3	6798	Laying brick on end edging including supplying 9"x4 1/2" x3" first class brick excavation for having edging with small size parallel to the road (rate i/c lead up to site of work).	2729.96	% Rft	185,583
4	10197	Preparing Base Course i/c supplying and spreading stone metal of approved quality from approved quarry properly graded to maximum size of 1 1/2" in required thickness to proper camber and grade including supplying and spreading 15 Cft. Screening and non plastic quarry fines filling depressions with stone metal after initial rolling i/c watering and compacting the same so as to achieve 100% density as per modified AASHO specification (Rate i/cs providing and using templates camber plates, screen forms as directed) rate i/cs all cost of material T&P and carriage upto 3 chains.	6834.63	% Cft	696,927
5	40788	Providing surface dressing 1st coat on new or existing surface with 30 lbs bitumen of 80/100 penetration and 4.0 Cft: crushed i of required size cleaning the road surface rolling etc complete rate i/c all cost of material T&P and carriage upto site of work	1594.68	% Sft	650,438

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
6	40788	Providing 1" Thick (consolidated) premixed carpet in proper camber and grade including supplying 10 Cft: hill sand of crush Bajri 04 Cft in required and 67 lbs of bitumen 80/100 penetration i/c mixing in mechanical mixture machine and heating the materials rolling etc. complete rate i/c all cost of material carriage upto site of work.	6958.71	% Sft	2,838,319


T O T A L : -					7,643,802
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_____ % Above / Below / at Par, on the rates of CSR
 Amount to be Added / Deducted on the
 Ded: Diff Cost of Bitumen (-) 506,148

T O T A L : - _____

Total Amount in works _____

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 SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "B" SCHEDULE ITEM (MASONARY STRUCTURE)					
1	32630	Laying brick on end edging including supplying 9"x4 1/2" x3" first class brick excavation for having edging with small size parallel to the road (rate i/c lead up to site of work).	2729.96	%o Cft	89,079
2	97891	Preparing Base Course i/c supplying and spreading stone metal of approved quality from approved quarry properly graded to maximum size of 1 1/2" in required thickness to proper camber and grade including supplying and spreading 15 Cft. Screening and non plastic quarry fines filling depressions with stone metal after initial rolling i/c watering and compacting the same so as to achieve 100% density as per modified AASHO specification (Rate i/cs providing and using templates camber plates, screen forms as directed) rate i/cs all cost of material T&P and carriage upto 3 chains.	6834.63	% Sft	6,690,488
3	195782	Providing surface dressing 1st coat on new or existing surface with 30 lbs bitumen and 4.0 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).	1594.68	% Cft	3,122,096
4	195782	Providing and Laying to proper line and grade 1-1/2" thick Pre-Mix Carpet with Paver Machine Prepared to Specified formula according to job mix formula approved by Engineer incharge including rolling and finishing to properline, grade level and camber etc (Rate all cost of materials T&P and carriage upto 3 chains.)	6958.71	% Sft	13,623,902
5	748910	Earth work embankment from borrow pits i/c laying in 6" layers, clod breaking ramming dressing complete, lead upto 100 ft. lift upto 5 ft. (In ordinary Soil)	7723.95	%o Cft	5,784,543
T O T A L : -					29,310,108

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

Ded: Diff Cost of Bitumen (-)

2,430,145

T O T A L : -

Total Amount in works

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HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "C" SCHEDULE ITEM (PAVER BLOCK)					
1	160463	Borrowpit excavation undressed lead upto 100 ft Ordinary Soil	6187.50	%o Cft	992,865
2	44930	Providing sand cushion i/c pit canal sand of approved source i/c watering etc complete rate i/c all cost of carriage upto site of work	1488.68	% Sft	668,864
3	35302	Cement concrete brick or stone pallast 1-1/2" to 2" gauge ratio 1:4:8.	9416.28	% Cft	3,324,135
4		Providing & fixing cement paving blocks flooring having size of 197x97x80 (mm) of ci/quaddra/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.			
a)	209110		199.77	P. Sft	41,773,905
b)	4840		223.97	P. Sft	1,084,015
5	9628	Cement Concrete plain i/c placing compacting finishing and curring complete (i/C screening and washing at stone aggregate without shuttering (f) Ratio 1:2:4	14429.25	%Cft	1,389,248
T O T A L : -					49,233,032

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

Total Amount in works

CONTRACTOR

EXECUTIVE ENGINEER
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SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (3' SPAN CULVERTS)

1	1369	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft (B) in ordinary soil.	3176.25	%o Cft	4,348
2	245	Cement Concrate Brick or Stone ballast 1 1/2" to 2" gauge ratio 1:4:8	9416.38	% Cft	23,070
3	360	Pacca brick work in foundation and plaster in cement and mortar ratio 1:4.	12501.41	% Cft	45,005
4	26	Cement Concrete plain i/c placing compacting finishing and curring complete (i/C screening and washing at stone aggregate without shuttering (f) Ratio 1:2:4	14429.25	% Cft	3,752
5	6.82	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 removeal of rust from bars.)	4820.20	P-Cwt	32,874
6	163	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shutterning and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (l) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	% Cft	54,931
7	320	Cement Plaster (1:3) upto 20' Height 1/2" thick.	2344.59	% Sft	7,503
8	83	Supplying and Filling and Under Floor and plugging in walls	1141.25	% Cft	948
T O T A L : -					172,431

_____ % Above / Below / at Par, on the rates of CSR


_____ Amount to be Added / Deducted on the

T O T A L : - _____

x 3 = _____

Total Amount in works _____

CONTRACTOR


EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (I) SURFACE DRAIN)

1	26360	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft (B) in ordinary soil.	3176.25	%o Cft	83,726
2	5502.50	Cement Concrate plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without shuttering ratio 1:4:8	11288.75	% Cft	621,163
3	16329	Pacca brick work in foundation and plainth in: cement and mortar 1:6	11948.36	% Cft	1,951,048
4	5500	Constructing of Standard open Drain cunette block of cement concrete (1:2:4) in situ to the design profile i/c cost of mould as per drawing i/c applying floating cost of cement 1/32" thick to the exposed face finished smooth curring etc as per detailed drawing.	94.00	P-Rft	517,000
	2900	B) Type - II Drain (C.C 1:2:4 0.74135 Cft Per Rft	174.00	P-Rft	504,600
5	16970	Cement Plaster (1:4) upto 12' Height 1/2" thick.	2283.93	% Sft	387,583
6	3913.75	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shutterning and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	% Cft	1,318,934
7	157.25	Fabrication of mild Steel reinforcement for Cement Concrete including cutting, bending, laying in position, making joints and fastening including cost of binding wire (also includes removal of rust bars) Using Tor Bars.	5001.70	P-Cwt	786,517
T O T A L : -					6,170,571

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

Total Amount in works

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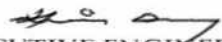
SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (II) RCC COLLECTING TANK)					
1	1570	Excavtion of well in dry upto 20' below ground level and disposel of soil within one chain. in ordinary soil.	2247.58	%o Cft	3,529
2		Wet sinking of wells for depth below Spring level by means of spring level by means of devers including all charges for shoring loading and removing excavted material within one chain. In ordinary soil.			
a)	1202.03	0' - 15' Depth	11763.80	%o Cft	14,140
b)	1202.03	5.1' - 10' Depth	24200.00	%o Cft	29,089
c)	480.81	10.1' - 15' Depth	37230.77	%o Cft	17,901
3	984.41	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shutterning and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P-Cft	331,746
4	40.96	Fabrication of mild Steel reinforcement for Cement Concrete including cutting, bending, laying in position, making joints and fastening including cost of binding wire (also includes removal of rust bars) Using Tor Bars.	5001.70	P-Cwt	204,870
5	100.48	Providing "Expansion joint" in concrete work of 9" wide corugated PVC waterstop (with bulb) i/c Soldering cost of material and labour etc complete.	86.00	P-Rft	8,641
6	371.66	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge Ratio 1 : 4 : 8	9416.28	% Cft	34,997
7	176.33	Cement Concrete plain i/c compacting finishig and curring complete i/c washing of stone aggregate without shuttering ratio 1:3:6	11288.75	% Cft	19,905
a)	176.63	Ratio 1:3:6	12595.00	% Cft	22,247
b)	176.63	Ratio 1:2:4	14429.25	% Cft	25,486
c)	176.63	Ratio 1:4:8	11288.75	% Cft	19,939

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
8	3355.88	Bailing or pumping out sub soil water during excavation concreting, cost in situ concrete or masonry work in foundation etc.	543.00	% Cft	18,222
T O T A L : -					750,713

_____ % Above / Below / at Par, on the rates of CSR
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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (III) RCC SCREENING CHAMBER)					
1	616	Excavation in foundation of building bridge and other structure i/c dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5 ft. in ordinary soil.	3176.25	%o Cft	1,957
2	176.00	Extra for Wet earth work	1058.75	%o Cft	186
3	66.00	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge ratio 1:4:8	9416.28	% Cft	6,215
4	231.72	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P. Cft	78,090
5	480.81	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.)	37230.77	%o Cft	17,901
6	984.41	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P-Cft	331,746
7	9.31	Fabrication of mild Steel reinforcement for Cement Concrete including cutting, bending, laying in position, making joints and fastening including cost of binding wire (also includes removal of rust bars) Using Tor Bars.	5001.70	P-Cwt	46,566
8	29	Providing "Expansion joint" in concrete work of 9" wide corugated PVC waterstop (with bulb) i/c Soldering cost of material and labour etc complete.	86.00	P-Rft	2,494
9	1.72	Small iron work such as gusset plate knees bends, stirrrups, rings etc.Including cutting, drilling, revertting, handling, assembling and fixing but excluding erection in position.	6420.61	P-Cwt	11,043
10	1	Providing C.I Manhole Cover & Frame i/c Cost of Material etc.	6985.00	P-Cwt	6,985

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
11	1.72	Erection and fitting in position of iron trusses staging of water tanks etc.	271.04	P-Cwt	466
12	12.40	Pacca brick work in foundation and plinth in: (e) Cement sand mortar 1:6	11948.36	% Cft	1,482
13	46.03	Cement plaster 1:4 upto 12' height (b) 1/2" thick.	2283.93	% Sft	1,051
14	84	Excavation for pipe line in trenches, and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	3600.00	%o Cft	302
15	75.6	Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc complete.	2760.00	%o Cft	209
16	8	Providing, Laying RCC pipes of A.S.T.M C-76-62 T/C-76-70 of Class II wall B and fixing in trench i/c cutting, fitting and jointing with rubber ring i/c testing with water to specified pressure. 375 mm (15" dia)	515.00	P. Rft	4,120
T O T A L : -					510,813


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Total Amount in works _____

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (IV) (PUMP HOUSE)					
1	188	Excavation in foundation of building bridge and other structure i/c dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5 ft. in ordinary soil.	3176.25	%o Cft	597
2	88.36	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge ratio 1:4:8	9416.28	% Cft	8,320
3	278.83	Pacca brick work in ground floor in: (e) Cement sand mortar. 1:6	12674.36	% Cft	35,340
4	53.11	Damp proof course with (cement sand and shingle concrete 1:2 :4) including 2 coats of asphaltic mixture. (c) 3" thick	4982.18	% Sft	2,646
5	308.63	Pacca brick work in ground floor in: (e) Cement sand mortar. 1:6	12674.36	% Cft	39,117
6	4.41	Fabrication of heavy steel work with angles, tees, flat iron, round iron and sheet iron for making trusses, girders, tands etc. including cutting, tanks etc. including cutting, drilling rivetting, handling assembling and fixing but excluding erection in position.	4928.49	P. Cwt	21,735
7	105.36	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P-Cft	35,506
8	4.23	Fabrication of mild Steel reinforcement for Cement Concrete including cutting, bending, laying in position, making joints and fastening including cost of binding wire (also includes removal of rust bars) Using Tor Bars.	5001.70	P-Cwt	21,157
9	24	Supplying & fixing in position iron/steel grill of 3/4" x 1/4" size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq . Foot of finished grill).	180.50	P-Sft	4,332
10	376.71	Filling, watering and ramming earth in floors with surplus earth from foundation lead upto one chain and lift jupto 5 feet.	1512.50	%o Cft	570
11	104	Painting New Surface Preparing surface and painting of doors and windows any type (Including edges) Three Coat.	2116.41	% Sft	220,107
12	4.41	Erection and fitting in position of iron trusses staging of water tanks etc.	271.04	P-Cwt	1,195
13	448	Cement pointing struck joints on walls. (b) Ratio 1:3	1213.58	% Sft	5,437

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
14	593.92	Cement plaster 1:4 upto 12' height (b) 1/2" thick.	2283.93	% Sft	13,565
15	593.92	Cement plaster 1:4 upto 12' height (a) 3/8" thick	2197.52	% Sft	13,052
16	204.00	White washing. (b) Two coats	425.84	% Sft	869
17	593.92	Priming coat of chalk distemper.	442.75	% Sft	2,630
18	593.92	Distempering. (b) Two coats	1043.90	% Sft	620
19	111.78	Providing and laying 1" thick topping cement concrete (1:2:4) including Surface finishing and dividiing into panels: (d.) 3" thick	4411.82	% Sft	493
T O T A L : -					427,287

_____ % Above / Below / at Par, on the rates of CSR

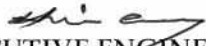
_____ Amount to be Added / Deducted on the

T O T A L : - _____

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Total Amount in works _____

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (V) (PUMPING MACHINERY 5.5 BHP)

1	4	Supplying Installing in position at site of work for Drainage scheme Electric Motor set 5.5 BHP (Semense made) 4 pole 1450 RPM 3 phase 400 VAC Cycle coupled with KSB Non colgging sludge pump (Type KWPZ-65-315) size 3x2 1/2" i/c common stel frame and coupling wht sleeve etc complete capbale of dischargeing 100 GPM @ 555 feet head with local made as under: Eletric drop cable 10 mm 2-3 core and 80 feet water prof joint G.I pipe 2" IIL-M grade x 30 feet G.I Band 2 x 1 G.I Deelivery Pipe 2" IIL-M grade x 5 feet MS foundation plate with T-Bolts M.S Holdings clamp 2 1/2"x1 sockets 2x4 M.S Bore cover plate x 1 wire rope with clamps x 130 feet i/c providing and fixing automatic MCU (Motor Control Unit) consist oil starter (MEECO Pakistan) MCCB Bricker 10-A to 50-A (Shihin Taiwan) cutout 60-A (China) AMP meter (60-A) (SELCO) China volt meter (500-V) (SELCO) China) Phase indication light (China) include transformer oil (2-Ltr) penal board 18"x26" and internal wiring etc complete and providing fixing earthing	690000	P. Set	2,760,000
2	2	Supplying and Installing Diesel Oil Engine of 8 BHP (Golden Made) model GD-1110L 2200 RPM coupled with non clogging horizontal semi semi open impeller pump type GSWG-103 size 4x3 capable discharge 110 GPM against the head of 55 ft i/c frame, pulley for engine and pump with belt and installing of pump set in cc foundation with nuts and bolts and testing of pumping set against the required at 45 hrs.	202000	P. Set	404,000
3		Inter Connection: - Manufacturing and Fixing black steel M.S Pipe made out of MS Sheet 3/16" thick cutting folding to curvature and Shape i/c welding etc complete.			
a)	12	Suction 3" Dia	385.59	P. Rft	4,627
b)	12	Deelivery 4" Dia	506.60	P. Rft	6,079
c)	18	P.E Pipe HDPE PN-10 6" Dia.	530.00	P. Rft	9,540
4		Supplying & Installing with welding MS Flange made out of MS Sheet 3/8" Thick.			
a)	4	3" Dia	500.89	Each	2,004
b)	4	4" Dia	596.75	Each	2,387
c)	10	6" Dia	804.77	Each	8,048
5	2	Reflex Valve pattern (Test pressure 21.0 KM/Sq.Cm or 300 lbs /sqinch) Imported	4062.50	Each	8,125
6	2	C.I sluice vaive pattern (Test pressure 21.0KM/Sq.CM or 300 lbs/sqinch) Imported.	9360.00	Each	187
7	64.10	C.I Bends with flanged ends with holes i/c turning and facing of flanges for all size.	120.00	P. KG	7,692

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
8	33.41	C.I Tapper flat bottomed or central tapered flanged ends with holes i/c turning facing of flanges for all size.	120.00	P. KG	4,009
9		Foot valve heavy pattern with cone type gate (imported)			
a)	1	3" Dia	731.25	Each	731
b)	1	4" Dia	893.75	Each	894
10	22	C.I Tees flanges ends with holes i/c turning and facing of flanges for all size	120.00	P. KG	2,640
11		Making But fusion joint			
a)	4	3"	600.00	Each	2,400
b)	4	4"	10000.00	Each	40,000
c)	4	6"	10000.00	Each	40,000
12		Flange Adopter NSI			
a)	4	3"	675.00	Each	2,700
b)	4	4"	1215.00	Each	4,860
c)	4	6"	2025.00	Each	8,100
13		Jointing C.I/M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts, bolts with washers etc and other tools required for jointing and testing the joints to the specified pressure etc complete.			
a)	4	3" Dia	499.00	Each	1,996
b)	4	4" Dia	513.00	Each	2,052
c)	8	6" Dia	938.00	Each	7,504
T O T A L : -					3,330,575

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Amount to be Added / Deducted on the

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x 2 =

Total Amount in works

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (VI) (P.E RISING MAIN 4" Dia)

1	18000	Excavation for pipe line in trenches, and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	3600	%o Cft	64,800
2	3000	Providing,Laying & Fixing in trench i/c fitting, jointing & testing etc complete in all respect the high Density Polythylene PE pipes (HDPE-100) for W/S confirming ISO 4427/DIN8074/8075 B.S 3580 & PSI 3051. 160 mm	440	P. Rft	1,320,000
3		High Density Polythene Fitting			
a)	3	45 Elbow 4" Dia	4349.00	Each	13,047
b)	2	90 Bend 4" Dia	3480.00	Each	6,960
c)	1	4" Dia	8363.00	Each	8,363
d)	4	4" Dia	731.25	Each	2,925
e)	3	4" Dia.	400.00	Each	1,200
4	2	Supplying C.I Sluice Value heavy pattern test pressure 21.0KM/sq.cm or 300 lbs /sqinch.	487.50	Each	975
5	10	P.E Pipe Specials for fitting	1000.00	Each	10,000
6	16200	Refillinf the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc complete.	2760.00	%o Cft	44,712
7	3000	Cartge of U.P.V.C/P.E pipe of any class by machnical transport i/c loading unloading and stacking at site.	870.68	% Rft	26,120
T O T A L : -					1,499,102

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x 2 =

Total Amount in works

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (VII) (COMPOUND WALL))					
1	852	Excavation in foundation of building bridge and other structure i/c dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5 ft. in ordinary soil.	3176.25	%o Cft	2,706
2	213	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge ratio 1:4:8	9416.28	% Cft	20,057
3	1188.30	Pacca brick work in foundation and plinth in: (e) Cement sand mortar 1:6	11948.36	% Cft	141,982
4	230.52	Damp proof course with (cement sand and shingle concrete 1:2 :4) including 2 coats of asphaltic mixture. (c) 3" thick	4982.18	% Cft	11,485
5	51.50	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (l) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P. Rft	17,356
6	2.07	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.)	5001.70	P. Cwt	10,354
7	612	Pacca brick work other than building including striking of joints upto 20 feet height in: (e) Cement sand mortar. 1:6	12346.65	% Cft	75,561
8	2142	Cement plaster 1:4 upto 12' height (b) 1/2" thick.	2283.93	% Cft	48,922
9	800	Cement pointing struck joints on walls. (b) Ratio 1:3	1213.58	% Cft	9,709
10	2142	Cement plaster 1:4 upto 12' height (a) 3/8" thick	2197.52	% Cft	47,071
11	5.36	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.)	4928.49	P. Cwt	26,417
12	5.36	Erection and fitting in position of iron trusses staging of water tanks etc.	271.04	P. Cwt	1,453
13	2142	Preparing the surafec and painting with weather coat i/c rubbing the surface with rubbing brick /sand paper, filling the voids with chalk/ plaster of pairs and then painting with weather coat of approved make.	1948.10	% Sft	41,728

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
14	100	Painting new surface. Preparing surface and painting of doors and windows any type (including edges) Three Coat.	2116.41	% Sft	2,116
T O T A L : -					456,916


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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (VIII) (OXIDATION POND)					
1	82000.38	Excavation for tanks and reservoir in soft soils i/c trimming and dressing sides to true alignment/design sections/profiles and shape levelling 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. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	3000.00	%o Cft	246,001
2	6000	Excavation for tanks and reservoir in hard soils i/c trimming and dressing sides to true alignment/design sections/profiles and shape levelling 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. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	5350.00	%o Cft	32,100
3	83937.00	Earth work compaction (Soft, Ordinary or hard soil) laying earth in 6" layers leveling and dressing complete.	354.00	%o Cft	29,714
T O T A L : -					307,815

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Total Amount in works

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (IX) (RCC SUMP WELL)					
1	907.46	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft. (b) In ordinary soil.	3176.25	%o Cft	2,882
2	453.73	Extra for wet earth work.	1058.75	%o Cft	480
3	50.24	Cement concrete brick or stone ballast 1 1/2" to 2" gauge. (b) Ratio 1 : 4 : 8	9416.28	% Cft	4,731
4	201.75	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (l) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P. Cft	67,990
5	8.11	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.)	5001.70	P. Cwt	40,564
T O T A L : -					116,647


% Above / Below / at Par, on the rates of CSR
Amount to be Added / Deducted on the

T O T A L : -

x 2 =

Total Amount in works

CONTRACTOR


EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (X) (INTER CONNECTION)

1	1008.00	Excavation for pipe line in trenches, and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	3600.00	%o Cft	3,629
2	792.00	Excavation for pipe line in trenches, and pits in sandy soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	5400.00	%o Cft	4,277
3	96.00	Providing, Laying RCC pipes of A.S.T.M C-76-62 T/C-76-70 of Class II wall B and fixing in trench i/c cutting, fitting and jointing with rubber ring i/c testing with water to specified pressure. 375 mm (15" dia)	515.00	P. Rft	49,440
4	907.00	Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc. complete.	2760.00	%o Cft	2,503
5	96.00	Cartge of U.P.V.C/P.E pipe of any class by machnical transport i/c loading unloading and stacking at site.	870.68	% Rft	836
T O T A L : -					60,685

% Above / Below / at Par, on the rates of CSR


Amount to be Added / Deducted on the

T O T A L : -

x 2 =

Total Amount in works

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HIGHWAYS DIVISION
SUKKUR

BILL OF QUANTITIES

ADP NO./WORK NO: - 1552

NAME OF WORK: - Construction of Paver Block, Disposal Work & Paver Work at Village Ali Dino Zangejo, Nabi Bux Shaikh Nihal Khan Qazi, Bahrio Solangi, Muhammad Pnaja Solangi, Khan Muhammad, Noor Muhammad Soomro, Wada Katpar.

DESCRIPTION AND RATE OF ITEM BASED ON COMPOSITE OF RTAES.

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "A" SCHEDULE ITEM (ROAD WORK)

1		Earth work road embankment by Bulldozers including ploughing, mixing, cold breaking, dressing & compacting with optimum moisture content lead upto 100 ft. upto 5 Cft. In all types of soil except rock. (If earth is done by other than department agency) compacting 95-100% modified AASHO density.			
		WITHOUT EXTRA LEAD			
a)	115774	85% Compaction	7723.95	%o Cft	894,233
b)	23793	95-100% Compaction	10253.72	%o Cft	243,967
c)	1402	85% Compaction	3656.23	%o Cft	5,126
d)	4759	85% Compaction	6190.17	%o Cft	29,459
2	12236	Preparing sub-base course supply and spreading stone metal 1 ½'-2' gauge of approved quality from approved quarry in required thickness of 6"x2" in layers 3' each to proper camber and grade including hand packing filling voids with 10 Cft. Screening & non plastic quarry fines of approved quality and gauge from approved source, watering & compacting to achieve 95-100% density as per modified AASHO specification (Rate includes all cost of materials and carriage site of work).	5981.65	% Cft	731,915
3	4079	Laying brick on end edging including supplying 9"x4 ½" x3" first class brick excavation for having edging with small size parallel to the road (rate i/c lead up to site of work).	2792.48	% Rft	113,905
4	6118	Preparing Base Course i/c supplying and spreading stone metal of approved quality from approved quarry properly graded to maximum size of 1 ½" in required thickness to proper camber and grade including supplying and spreading 15 Cft. Screening and non plastic quarry fines filling depressions with stone metal after initial rolling i/c watering and compacting the same so as to achieve 100% density as per modified AASHO specification (Rate i/cs providing and using templates camber plates, screen forms as directed) rate i/cs all cost of material T&P and carriage upto 3 chains.	6931.01	% Cft	424,039
5	24473	Providing surface dressing 1st coat on new or existing surface with 30 lbs bitumen of 80/100 penetration and 4.0 Cft: crushed i of required size cleaning the road surface rolling etc complete rate i/c all cost of material T&P and carriage upto site of work	1595.98	% Sft	390,584

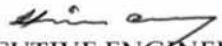
SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
6	24473	Providing 1-" Thick (consolidated) premixed carpet in proper camber and grade including supplying 10 Cft: hill sand of crush Bajri 04 Cft in required and 67 lbs of bitumen 80/100 penetration i/c mixing in mechanical mixture machine and heating the materials rolling etc. complete rate i/c all cost of material carriage upto site of work.	6963.60	% Sft	1,704,202
7	8413	preparing Sub-base by supplying and spreading well graded pit or bed run gravel having a liquit limt not greater than 25 and plastcity index not greater than 6 inproper camber and grade i/c watering rolling and compacting in layers thickness of each compacting layer not exceeding 6" compacted upto 98-100% density as per modified AASHO densit(Rate i/c all cost of material T&P and carriage upto 3 chains).	3341.71	%o Cft	28,114
T O T A L : -					4,565,543

_____ % Above / Below / at Par, on the rates of CSR
 Amount to be Added / Deducted on the
 Ded: Diff Cost of Bitumen (-) _____ 239,624

T O T A L : - _____

Total Amount in works _____

CONTRACTOR


 EXECUTIVE ENGINEER
 HIGHWAYS DIVISION
 SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "B" SCHEDULE ITEM (MASONARY STRUCTURE)

1	21754	Laying brick on end edging including supplying 9"x4 1/2" x3" first class brick excavation for having edging with small size parallel to the road (rate i/c lead up to site of work).	2729.96	%o Cft	59,388
2	65261	Preparing Base Course i/c supplying and spreading stone metal of approved quality from approved quarry properly graded to maximum size of 1 1/2" in required thickness to proper camber and grade including supplying and spreading 15 Cft. Screening and non plastic quarry fines filling depressions with stone metal after initial rolling i/c watering and compacting the same so as to achieve 100% density as per modified AASHO specification (Rate i/cs providing and using templates camber plates, screen forms as directed) rate i/cs all cost of material T&P and carriage upto 3 chains.	6931.01	% Sft	4,523,246
3	130522	Providing surface dressing 1st coat on new or existing surface with 30 lbs bitumen and 4.0 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).	1595.98	% Cft	2,083,105
4	130522	Providing and Laying to proper line and grade 1-1/2" thick Pre-Mix Carpet with Paver Machine Prepared to Specified formula according to job mix formula approved by Engineer incharge including rolling and finishing to properline, grade level and camber etc (Rate all cost of materials T&P and carriage upto 3 chains.)	6963.60	% Sft	9,089,030
5	367007	Earth work embankment from borrow pits i/c laying in 6" layers, clod breaking ramming dressing complete, lead upto 100 ft. lift upto 5 ft. (In ordinary Soil)	7723.95	%o Cft	2,834,744
6	43507	preparing Sub-base by supplying and spreading well graded pit or bed run gravel having a liquit limit not greater than 25 and plastcity index not greater than 6 inproper camber and grade i/c watering rolling and compacting in layers thickness of each compacting layer not exceeding 6" compacted upto 98-100% density as per modified AASHO densit(Rate i/c all cost of material T&P and carriage upto 3 chains).	3341.71	%o Cft	145,388
T O T A L : -					18,734,900

% Above / Below/ at Par, on the rates of CSR

Amount to be Added / Deducted on the

Ded: Diff Cost of Bitumen (-)


1,620,172

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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T O T A L : - _____

Total Amount in works _____

CONTRACTOR


EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR


SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "C" SCHEDULE ITEM (PAVER BLOCK)					
1	181500	Borrowpit excavation undressed lead upto 100 ft Ordinary Soil	6187.50	%o Cft	1,123,031
2	50820	Providing sand cushion i/c pit canal sand of approved source i/c watering etc complete rate i/c all cost of carriage upto site of work	1488.68	% Sft	756,547
3	39930	Cement concrete brick or stone pallast 1-1/2" to 2" gauge ratio 1:4:8.	9416.28	% Cft	3,759,921
4		Providing & fixing cement paving blocks flooring having size of 197x97x80 (mm) of ci/quaddra/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.			
a)	235400		199.77	P. Sft	47,025,858
b)	6600		223.97	P. Sft	1,478,202
5	10890	Cement Concrete plain i/c placing compacting finishing and curring complete (i/C screening and washing at stone aggregate without shuttering (f) Ratio 1:2:4	14429.25	%Cft	1,571,345
T O T A L : -					55,714,904

% Above / Below / at Par, on the rates of CSR
 Amount to be Added / Deducted on the

T O T A L : -

Total Amount in works

CONTRACTOR


 EXECUTIVE ENGINEER
 HIGHWAYS DIVISION
 SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (3' SPAN CULVERTS)					
1	1370	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft (B) in ordinary soil.	3176.25	%o Cft	4,351
2	245	Cement Concrate Brick or Stone ballast 11/2" to 2" gauge ratio 1:4:8	9416.38	% Cft	23,070
3	360	Pacca brick work in foundation and plaster in cement and mortar ratio 1:4.	12501.41	% Cft	45,005
4	27	Cement Concrete plain i/c placing compacting finishing and curring complete (i/C screening and washing at stone aggregate without shuttering (f) Ratio 1:2:4	14429.25	% Cft	3,896
5	6.82	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 removeal of rust from bars.)	4820.20	P-Cwt	32,874
6	164	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shutterning and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	% Cft	55,268
7	320	Cement Plaster (1:3) upto 20' Height 1/2" thick.	2344.59	% Sft	7,503
8	84	Supplying and Filling and Under Floor and plugging in walls	1141.25	% Cft	948
T O T A L : -					172,915

% Above / Below / at Par, on the rates of CSR


Amount to be Added / Deducted on the

T O T A L : -

x 2 =

Total Amount in works

CONTRACTOR


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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (I) SURFACE DRAIN)

1	5239	Excavation in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft (B) in ordinary soil.	3176.25	%o Cft	16,640
2	752	Cement concrete brick or stone pallast 1-1/2" to2" gauge ratio 1:4:8.	9416.28	% Cft	70,810
3	1803	Pacca Brick work in foundation and plaster in cement and motor ratio 1:4	12501.41	% Cft	225,400
4	91	Cement Concrete plain i/c placing compacting finishing and curring complete (i/C screening and washing at stone aggregate without shuttering (f) Ratio 1:2:4	14429.25	% Cft	13,131
5	709	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shutterning and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (l) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	% Cft	238,933
6	43.17	Fabrication of mild Steel reinforcement for Cement Concrete including cutting, bending, laying in position, making joints and fastening including cost of binding wire (also includes removal of rust bars) Using Tor Bars.	4820.20	P-Cwt	208,088
7	1195	Cement Plaster (1:3) upto 20' Height 1/2" thick.	2344.59	% Sft	28,018
8	112	Supplying and filling and under floor and plugging in walls.	1141.25	% Cft	1,278
T O T A L : -					802,299

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

Total Amount in works

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EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (I) SURFACE DRAIN)

1	44106	Excavation in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft (B) in ordinary soil.	3176.25	%o Cft	140,092
2	1803	Pacca Brick work in foundation and plaster in cement and motor ratio 1:4	12501.41	% Cft	225,400
3	9226.50	Cement Concrete plain i/c placing compacting finishing and curring complete (i/C screening and washing at stone aggregate without shuttering (f) Ratio 1:4:8	11288.75	% Cft	1,041,557
4	27358.50	Pacca Brick work in foundation and plinth in cement sand mortor 1:6.	11948.36	% Cft	3,268,892
5		Constructing of standard open drains cuntte block of cement concrete (1:2:4) ini situ to the design profile i/c cost of mould as per drawing i/c applying floating cost of cement 1/32" thick to the exposed face finished soomth etc complete as per detailed drawing.			
a)	9300.00	Type-I Drain	94.00	P. Rft	874,200
b)	4800.00	Type-II Drain	174.00	P. Rft	835,200
6	28446	Cement Plaster (1:4) upto 12' height 1/2" thick.	2283.93	% Cft	649,687
7	263.55	Fabrication of mild Steel reinforcement for Cement Concrete including cutting, bending, laying in position, making joints and fastening including cost of binding wire (also includes removal of rust bars) Using Tor Bars.	5001.70	P-Cwt	1,318,198
8	6559.50	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P. Cft	2,210,552
T O T A L : -					10,563,777

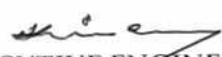
% Above / Below/ at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

Total Amount in works

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EXECUTIVE ENGINEER
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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (II) RCC COLLECTING TANK)

1	1570	Excavtion of well in dry upto 20' below ground level and disposel of soil within one chain. in ordinary soil.	2247.58	%o Cft	3,529
2		Wet sinking of wells for depth below Spring level by means of spring level by means of devers including all charges for shoring loading and removing excavted material within one chain. In ordinary soil.			
a)	1202.03	0' - 15' Depth	11763.80	%o Cft	14,140
b)	1202.03	5.1' - 10' Depth	24200.00	%o Cft	29,089
c)	480.81	10.1' - 15' Depth	37230.77	%o Cft	17,901
3	984.41	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shutterning and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (l) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand + Cft shingle. 1/8" to 1/4" gauge	337.00	P-Cft	331,746
4	40.96	Fabrication of mild Steel reinforcement for Cement Concrete including cutting, bending, laying in position, making joints and fastening including cost of binding wire (also includes removal of rust bars) Using Tor Bars.	5001.70	P-Cwt	204,870
5	100.48	Providing "Expansion joint" in concrete work of 9" wide corugated PVC waterstop (with bulb) i/c Soldering cost of material and labour etc complete.	86.00	P-Rft	8,641
6	371.66	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge Ratio 1 : 4 : 8	9416.28	% Cft	34,997
7	176.33	Cement Concrete plain i/c compacting finishig and curring complete i/c washing of stone aggregate without shuttering ratio 1:3:6	11288.75	% Cft	19,905
a)	176.63	Ratio 1:3:6	12595.00	% Cft	22,247
b)	176.63	Ratio 1:2:4	14429.25	% Cft	25,486
c)	176.63	Ratio 1:4:8	11288.75	% Cft	19,939

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
8	3355.88	Bailing or pumping out sub soil water during excavation concreting, cost in situ concrete or masonry work in foundation etc.	543.00	% Cft	18,222
T O T A L : -					750,713

_____ % Above / Below / at Par, on the rates of CSR


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T O T A L : - _____

x 2 = _____

Total Amount in works _____

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (III) RCC SCREENING CHAMBER)					
1	616	Excavation in foundation of building bridge and other structure i/c dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5 ft. in ordinary soil.	3176.25	%o Cft	1,957
2	176.00	Extra for Wet earth work	1058.75	%o Cft	186
3	66.00	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge ratio 1:4:8	9416.28	% Cft	6,215
4	231.72	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P. Cft	78,090
5	9.31	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.)	5001.70	P. Cwt	46,566
6	29	Providing "Expansion joint" in concrete work of 9" wide corugated PVC waterstop (with bulb) i/c Soldering cost of material and labour etc complete.	86.00	P-Cft	2,494
7	1.72	Small iron work such as gusset plate knees bends, stirrups, rings etc.Including cutting, drilling, revertting, handling, assembling and fixing but excluding erection in position.	6420.61	P-Cwt	11,043
10	1	Providing C.I Manhole Cover & Frame i/c Cost of Material etc.	6985.00	P-Cwt	6,985
11	1.72	Erection and fitting in position of iron trusses staging of water tanks etc.	271.04	P-Cwt	466
12	12.40	Pacca brick work in foundation and plinth in: (e) Cement sand mortar 1:6	11948.36	% Cft	1,482
13	46.03	Cement plaster 1:4 upto 12' height (b) 1/2" thick.	2283.93	% Sft	1,051
14	84	Excavation for pipe line in trenches, and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	3600.00	%o Cft	302

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
15	75.60	Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc complete.	2760.00	%o Cft	209
16	8	Providing, Laying RCC pipes of A.S.T.M C-76-62 T/C-76-70 of Class II wall B and fixing in trench i/c cutting, fitting and jointing with rubber ring i/c testing with water to specified pressure. 375 mm (15" dia)	515.00	P. Rft	4,120
T O T A L : -					161,166


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x 2 = _____

Total Amount in works _____

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (IV) (PUMP HOUSE)

1	188	Excavation in foundation of building bridge and other structure i/c dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5 ft. in ordinary soil.	3176.25	%o Cft	597
2	88.36	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge ratio 1:4:8	9416.28	% Cft	8,320
3	278.83	Pacca brick work in ground floor in: (e) Cement sand mortar. 1:6	12674.36	% Cft	35,340
4	53.11	Damp proof course with (cement sand and shingle concrete 1:2 :4) including 2 coats of asphaltic mixture. (c) 3" thick	4982.18	% Sft	2,646
5	308.63	Pacca brick work in ground floor in: (e) Cement sand mortar. 1:6	12674.36	% Cft	39,117
6	4.41	Fabrication of heavy steel work with angles, tees, flat iron, round iron and sheet iron for making trusses, girders, tands etc. including cutting, tanks etc. including cutting, drilling rivetting, handling assembling and fixing but excluding erection in position.	4928.49	P. Cwt	21,735
7	105.36	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P-Cft	35,506
8	4.23	Fabrication of mild Steel reinforcement for Cement Concrete including cutting, bending, laying in position, making joints and fastening including cost of binding wire (also includes removal of rust bars) Using Tor Bars.	5001.70	P-Cwt	21,157
9	24	Supplying & fixing in position iron/steel grill of 3/4" x 1/4" size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq . Foot of finished grill).	180.50	P-Sft	4,332
10	376.71	Filling, watering and ramming earth in floors with surplus earth from foundation lead upto one chain and lift jupto 5 feet.	1512.50	%o Cft	570
11	104	Painting New Surface Preparing surface and painting of doors and windows any type (Including edges) Three Coat.	2116.41	% Sft	220,107
12	4.41	Erection and fitting in position of iron trusses staging of water tanks etc.	271.04	P-Cwt	1,195
13	448	Cement pointing struck joints on walls. (b) Ratio 1:3	1213.58	% Sft	5,437

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
14	593.92	Cement plaster 1:4 upto 12' height (b) 1/2" thick.	2283.93	% Sft	13,565
15	593.92	Cement plaster 1:4 upto 12' height (a) 3/8" thick	2197.52	% Sft	13,052
16	204.00	White washing. (b) Two coats	425.84	% Sft	869
17	593.92	Priming coat of chalk distemper.	442.75	% Sft	2,630
18	593.92	Distempering. (b) Two coats	1043.90	% Sft	620
19	111.78	Providing and laying 1" thick topping cement concrete (1:2:4) including Surface finishing and dividiing into panels: (d.) 3" thick	4411.82	% Sft	493
T O T A L : -					427,287

_____ % Above / Below / at Par, on the rates of CSR


_____ Amount to be Added / Deducted on the

T O T A L : - _____

x 2 = _____

Total Amount in works _____

CONTRACTOR


EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (V) (PUMPING MACHINERY 5.5 BHP)					
1	4	Supplying Installing in position at site of work for Drainage scheme Electric Motor set 5.5 BHP (Semense made) 4 pole 1450 RPM 3 phase 400 VAC Cycle coupled with KSB Non colgging sludge pump (Type KWPZ-65-315) size 3x2 1/2" i/c common stel frame and coupling wht sleeve etc complete capbale of dischargeing 100 GPM @ 555 feet head with local made as under: Eletric drop cable 10 mm 2-3 core and 80 feet water prof joint G.I pipe 2" IIL-M grade x 30 feet G.I Band 2 x 1 G.I Deelivery Pipe 2" IIL-M grade x 5 feet MS foundation plate with T-Bolts M.S Holdings clamp 2 1/2"x1 sockets 2x4 M.S Bore cover plate x 1 wire rope with clamps x 130 feet i/c providing and fixing automatic MCU (Motor Control Unit) consist oil starter (MEECO Pakistan) MCCB Bricker 10-A to 50-A (Shihin Taiwan) cutout 60-A (China) AMP meter (60-A) (SELCO) China volt meter (500-V) (SELCO) China) Phase indication light (China) include transformer oil (2-Ltr) penal board 18"x26" and internal wireing etc complete and providing fixing earthing	690000	P. Set	2,760,000
2	2	Supplying and Installing Diesel Oil Engine of 8 BHP (Golden Made) model GD-1110L 2200 RPM coupled with non clogging horizontal semi semi open impeller pump type GSWG-103 size 4x3 capable discharge 110 GPM against the head of 55 ft i/c frame, pulley for engine and pump with belt and installing of pump set in cc foundation with nuts and bolts and testing of pumping set against the required at 45 hrs.	202000	P. Set	404,000
3		Inter Connection: - Manufacturing and Fixing black steel M.S Pipe made out of MS Sheet 3/16" thick cutting folding to curvature and Shape i/c welding etc complete.			
a)	12	Suction 3" Dia	385.59	P. Rft	4,627
b)	12	Deelivery 4" Dia	506.60	P. Rft	6,079
c)	18	P.E Pipe HDPE PN-10 6" Dia.	530.00	P. Rft	9,540
4		Supplying & Installing with welding MS Flange made out of MS Sheet 3/8" Thick.			
a)	4	3" Dia	500.89	Each	2,004
b)	4	4" Dia	596.75	Each	2,387
c)	10	6" Dia	804.77	Each	8,048
5	2	Reflex Valve pattern (Test pressure 21.0 KM/Sq.Cm or 300 lbs /sqinch) Imported	4062.50	Each	8,125
6	2	C.I sluice vaive pattern (Test pressure 21.0KM/Sq.CM or 300 lbs/sqinch) Imported.	9360.00	Each	187
7	64.10	C.I Bends with flanged ends with holes i/c turning and facing of flanges for all size.	120.00	P. KG	7,692

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
8	33.41	C.I Tapper flat bottomed or central tapered flanged ends with holes i/c turning facing of flanges for all size.	120.00	P. KG	4,009
9		Foot valve heavy pattern with cone type gate (imported)			
a)	1	3" Dia	731.25	Each	731
b)	1	4" Dia	893.75	Each	894
10	22	C.I Tees flanges ends with holes i/c turning and facing of flanges for all size	120.00	P. KG	2,640
11		Making But fusion joint			
a)	4	3"	600.00	Each	2,400
b)	4	4"	10000.00	Each	40,000
c)	4	6"	10000.00	Each	40,000
12		Flange Adopter NSI			
a)	4	3"	675.00	Each	2,700
b)	4	4"	1215.00	Each	4,860
c)	4	6"	2025.00	Each	8,100
13		Jointing C.I/M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts, bolts with washers etc and other tools required for jointing and testing the joints to the specified pressure etc complete.			
a)	4	3" Dia	499.00	Each	1,996
b)	4	4" Dia	513.00	Each	2,052
c)	8	6" Dia	938.00	Each	7,504
T O T A L : -					3,330,575

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

x 2 =

Total Amount in works

CONTRACTOR

EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (VI) (P.E RISING MAIN 4" Dia)					
1	16200	Excavation for pipe line in trenches, and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	3600	%o Cft	58,320
2	2700	Providing,Laying & Fixing in trench i/c fitting, jointing & testing etc complete in all respect the high Density Polythylene PE pipes (HDPE-100) for W/S confirming ISO 4427/DIN8074/8075 B.S 3580 & PSI 3051. 160 mm	440	P. Rft	1,188,000
3		High Density Polythene Fitting			
a)	3	45 Elbow 4" Dia	4349.00	Each	13,047
b)	2	90 Bend 4" Dia	3480.00	Each	6,960
c)	1	4" Dia	8363.00	Each	8,363
d)	4	4" Dia	731.25	Each	2,925
e)	3	4" Dia.	400.00	Each	1,200
4	2	Supplying C.I Sluice Value heavy pattern test pressure 21.0KM/sq.cm or 300 lbs /sqinch.	487.50	Each	975
5	10	P.E Pipe Specials for fitting	1000.00	Each	10,000
6	14580	Refillinf the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc complete.	2760.00	%o Cft	40,241
7	2700	Cartge of U.P.V.C/P.E pipe of any class by machnical transport i/c loading unloading and stacking at site.	870.68	% Rft	23,508
T O T A L : -					1,353,539

% Above / Below/ at Par, on the rates of CSR

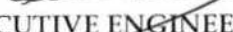
Amount to be Added / Deducted on the

T O T A L : -

x 2 =

Total Amount in works

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (VII) (COMPOUND WALL)

1	852	Excavation in foundation of building bridge and other structure i/c dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5 ft. in ordinary soil.	3176.25	%o Cft	2,706
2	213	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge ratio 1:4:8	9416.28	% Cft	20,057
3	1188.30	Pacca brick work in foundation and plinth in: (e) Cement sand mortar 1:6	11948.36	% Cft	141,982
4	230.52	Damp proof course with (cement sand and shingle concrete 1:2 :4) including 2 coats of asphaltic mixture. (c) 3" thick	4982.18	% Cft	11,485
5	51.50	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (l) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P. Rft	17,356
6	2.07	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.)	5001.70	P. Cwt	10,354
7	612	Pacca brick work other than building including striking of joints upto 20 feet height in: (e) Cement sand mortar. 1:6	12346.65	% Cft	75,561
8	2142	Cement plaster 1:4 upto 12' height (b) 1/2" thick.	2283.93	% Cft	48,922
9	800	Cement pointing struck joints on walls. (b) Ratio 1:3	1213.58	% Cft	9,709
10	2142	Cement plaster 1:4 upto 12' height (a) 3/8" thick	2197.52	% Cft	47,071
11	5.36	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.)	4928.49	P. Cwt	26,417
12	5.36	Erection and fitting in position of iron trusses staging of water tanks etc.	271.04	P. Cwt	1,453
13	2142	Preparing the surafec and painting with weather coat i/c rubbing the surface with rubbing brick /sand paper, filling the voids with chalk/ plaster of pairs and then painting with weather coat of approved make.	1948.10	% Sft	41,728

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
14	100	Painting new surface. Preparing surface and painting of doors and windows any type (including edges) Three Coat.	2116.41	% Sft	2,116
T O T A L : -					456,916


_____ % Above / Below / at Par, on the rates of CSR
 _____ Amount to be Added / Deducted on the

T O T A L : - _____

x 2 = _____

Total Amount in works _____

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (VIII) (OXIDATION POND))					
1	82000.38	Excavation for tanks and reservoir in soft soils i/c trimming and dressing sides to true alignment/design sections/profiles and shape levelling 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. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	3000.00	%o Cft	246,001
2	6000	Excavation for tanks and reservoir in hard soils i/c trimming and dressing sides to true alignment/design sections/profiles and shape levelling 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. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	5350.00	%o Cft	32,100
3	83937.00	Earth work compaction (Soft, Ordinary or hard soil) laying earth in 6" layers leveling and dressing complete.	354.00	%o Cft	29,714
T O T A L : -					307,815

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x 2 = _____

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (IX) (RCC SUMP WELL)					
1	907.46	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft. (b) In ordinary soil.	3176.25	%o Cft	2,882
2	453.73	Extra for wet earth work.	1058.75	%o Cft	480
3	50.24	Cement concrete brick or stone ballast 1 1/2" to 2" gauge. (b) Ratio 1 : 4 : 8	9416.28	% Cft	4,731
4	201.75	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (l) Ratio (1:2:4) 90 lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P. Cft	67,990
5	8.11	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.)	5001.70	P. Cwt	40,564
T O T A L : -					116,647

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

x 2 =

Total Amount in works

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (X) (INTER CONNECTION)

1	1008.00	Excavation for pipe line in trenches, and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	3600.00	%o Cft	3,629
2	792.00	Excavation for pipe line in trenches, and pits in sandy soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	5400.00	%o Cft	4,277
3	96.00	Providing, Laying RCC pipes of A.S.T.M C-76-62 T/C-76-70 of Class II wall B and fixing in trench i/c cutting, fitting and jointing with rubber ring i/c testing with water to specified pressure. 375 mm (15" dia)	515.00	P. Rft	49,440
4	907.00	Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc. complete.	2760.00	%o Cft	2,503
5	96.00	Cartge of U.P.V.C/P.E pipe of any class by machnical transport i/c loading unloading and stacking at site.	870.68	% Rft	836
T O T A L : -					60,685

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

x 2 =

Total Amount in works

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HIGHWAYS DIVISION
SUKKUR

BILL OF QUANTITIES

ADP NO./WORK NO: - 1554

NAME OF WORK: - Construction Paver Block, Disposal Work at Village Gul Muhammad Lashari, Mehran Ali Lashari UC Trimoonh.

DESCRIPTION AND RATE OF ITEM BASED ON COMPOSITE OF RTAES.

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "A" SCHEDULE ITEM (PAVER BLOCK)

1	50589	Providing sand cushion i/c pit canal sand of approved source i/c watering etc complete rate i/c all cost of carriage upto site of work.	1488.68	% Cft	753,108
2	39749	Cement concrete brick or stone ballast 1 1/2" to 2" gauge. (b) Ratio 1 : 4 : 8	9416.28	% Cft	3,742,877
3	16500	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city / quddra / cobble shape with pigmented, 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.	223.97	P. Sft	3,695,505
4	10841	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without shuttering. (f) Ratio, 1:2 :4	14429.25	% Cft	1,564,275


TOTAL : -					9,755,765
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_____ % Above / Below / at Par, on the rates of CSR
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TOTAL : - _____

Total Amount in works _____

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "B" SCHEDULE ITEM (DISPOSAL WORK (I) SURFACE DRAIN)

1	30784	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft (B) in ordinary soil.	3176.25	%o Cft	97,778
2	6683.5	Cement Concrete plain i/c placing compacting finishing and curring complete (i/C screening and washing at stone aggregate without shuttering (f) Ratio 1:2:4	14429.25	% Cft	964,379
3	19549	Pacca Brick work in foundation and plinth in cement sand mortar 1:6.	11948.36	% Cft	2,335,785
4		Constructing of standard open drains cuntte block of cement concrete (1:2:4) ini situ to the design profile i/c cost of mould as per drawing i/c applying floating cost of cement 1/32" thick to the exposed face finished soomth etc complete as per detailed drawing.			
a)	7700	TYPE - I Drain	94.00	P. Rft	723,800
b)	2700	TYPE - II Drain	174.00	P. Rft	469,800
5	20494	Cement Plaster 1:4 upto 12' height 1/2" thick.	2283.93	% Sft	468,069
6	4714.25	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shutterning and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (l) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	% Cft	1,588,702
7	189.41	Fabrication of mild Steel reinforcement for Cement Concrete including cutting, bending, laying in position, making joints and fastening including cost of binding wire (also includes removal of rust bars) Using Tor Bars.	5001.70	P-Cwt	947,372
					7,595,684

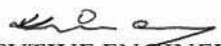
% Above / Below/ at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

Total Amount in works

CONTRACTOR


EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (II) RCC COLLECTING TANK)


1	1570	Excavtion of well in dry upto 20' below ground level and disposel of soil within one chain. in ordinary soil.	2247.58	%o Cft	3,529
2		Wet sinking of wells for depth below Spring level by means of spring level by means of devers including all charges for shoring loading and removing excavted material within one chain. In ordinary soil.			
a)	1202.03	0' - 15' Depth	11763.80	%o Cft	14,140
b)	1202.03	5.1' - 10' Depth	24200.00	%o Cft	29,089
c)	480.81	10.1' - 15' Depth	37230.77	%o Cft	17,901
3	984.41	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P-Cft	331,746
4	40.96	Fabrication of mild Steel reinforcement for Cement Concrete including cutting, bending, laying in position, making joints and fastening including cost of binding wire (also includes removal of rust bars) Using Tor Bars.	5001.70	P-Cwt	204,870
5	100.48	Providing "Expansion joint" in concrete work of 9" wide corugated PVC waterstop (with bulb) i/c Soldering cost of material and labour etc complete.	86.00	P-Rft	8,641
6	371.66	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge Ratio 1 : 4 : 8	9416.28	% Cft	34,997
7	176.33	Cement Concrete plain i/c compacting finishig and curring complete i/c washing of stone aggregate without shuttering ratio 1:3:6	11288.75	% Cft	19,905
a)	176.63	Ratio 1:3:6	12595.00	% Cft	22,247
b)	176.63	Ratio 1:2:4	14429.25	% Cft	25,486
c)	176.63	Ratio 1:4:8	11288.75	% Cft	19,939

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
8	3355.88	Bailing or pumping out sub soil water during excavation concreting, cost in situ concrete or masonry work in foundation etc.	543.00	% Cft	18,222
T O T A L : -					750,713

_____ % Above / Below / at Par, on the rates of CSR
 Amount to be Added / Deducted on the
 T O T A L : - _____
 x 2 = _____

Total Amount in works _____

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (III) RCC SCREENING CHAMBER)					
1	616	Excavation in foundation of building bridge and other structure i/c dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5 ft. in ordinary soil.	3176.25	%o Cft	1,957
2	176.00	Extra for Wet earth work	1058.75	%o Cft	186
3	66.00	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge ratio 1:4:8	9416.28	% Cft	6,215
4	231.72	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P. Cft	78,090
5	9.31	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.)	5001.70	P. Cwt	46,566
6	29	Providing "Expansion joint" in concrete work of 9" wide corugated PVC waterstop (with bulb) i/c Soldering cost of material and labour etc complete.	86.00	P-Cft	2,494
7	1.72	Small iron work such as gusset plate knees bends, stirrups, rings etc.Including cutting, drilling, revertting, handling, assembling and fixing but excluding erection in position.	6420.61	P-Cwt	11,043
10	1	Providing C.I Manhole Cover & Frame i/c Cost of Material etc.	6985.00	P-Cwt	6,985
11	1.72	Erection and fitting in position of iron trusses staging of water tanks etc.	271.04	P-Cwt	466
12	12.40	Pacca brick work in foundation and plinth in: (e) Cement sand mortar 1:6	11948.36	% Cft	1,482
13	46.03	Cement plaster 1:4 upto 12' height (b) 1/2" thick.	2283.93	% Sft	1,051
14	84	Excavation for pipe line in trenches, and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	3600.00	%o Cft	302

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
15	75.60	Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc complete.	2760.00	%o Cft	209
16	8	Providing, Laying RCC pipes of A.S.T.M C-76-62 T/C-76-70 of Class II wall B and fixing in trench i/c cutting, fitting and jointing with rubber ring i/c testing with water to specified pressure. 375 mm (15" dia)	515.00	P. Rft	4,120
T O T A L : -					161,166

_____ % Above / Below / at Par, on the rates of CSR


_____ Amount to be Added / Deducted on the

T O T A L : - _____

x 2 = _____

Total Amount in works _____

CONTRACTOR


EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (IV) (PUMP HOUSE)

1	188	Excavation in foundation of building bridge and other structure i/c dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5 ft. in ordinary soil.	3176.25	%o Cft	597
2	88.36	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge ratio 1:4:8	9416.28	% Cft	8,320
3	278.83	Pacca brick work in ground floor in: (e) Cement sand mortar. 1:6	12674.36	% Cft	35,340
4	53.11	Damp proof course with (cement sand and shingle concrete 1:2 :4) including 2 coats of asphaltic mixture. (c) 3" thick	4982.18	% Sft	2,646
5	308.63	Pacca brick work in ground floor in: (e) Cement sand mortar. 1:6	12674.36	% Cft	39,117
6	4.41	Fabrication of heavy steel work with angles, tees, flat iron, round iron and sheet iron for making trusses, girders, tands etc. including cutting, tanks etc. including cutting, drilling rivetting, handling assembling and fixing but excluding erection in position.	4928.49	P. Cwt	21,735
7	105.36	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P-Cft	35,506
8	4.23	Fabrication of mild Steel reinforcement for Cement Concrete including cutting, bending, laying in position, making joints and fastening including cost of binding wire (also includes removal of rust bars) Using Tor Bars.	5001.70	P-Cwt	21,157
9	24	Supplying & fixing in position iron/steel grill of 3/4" x 1/4" size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq . Foot of finished grill).	180.50	P-Sft	4,332
10	376.71	Filling, watering and ramming earth in floors with surplus earth from foundation lead upto one chain and lift jupto 5 feet.	1512.50	%o Cft	570
11	104	Painting New Surface Preparing surface and painting of doors and windows any type (Including edges) Three Coat.	2116.41	% Sft	220,107
12	4.41	Erection and fitting in position of iron trusses staging of water tanks etc.	271.04	P-Cwt	1,195
13	448	Cement pointing struck joints on walls. (b) Ratio 1:3	1213.58	% Sft	5,437

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
14	593.92	Cement plaster 1:4 upto 12' height (b) 1/2" thick.	2283.93	% Sft	13,565
15	593.92	Cement plaster 1:4 upto 12' height (a) 3/8" thick	2197.52	% Sft	13,052
16	204.00	White washing. (b) Two coats	425.84	% Sft	869
17	593.92	Priming coat of chalk distemper.	442.75	% Sft	2,630
18	593.92	Distempering. (b) Two coats	1043.90	% Sft	620
19	111.78	Providing and laying 1" thick topping cement concrete (1:2:4) including Surface finishing and dividiing into panels: (d.) 3" thick	4411.82	% Sft	493
T O T A L : -					427,287


_____ % Above / Below / at Par, on the rates of CSR
Amount to be Added / Deducted on the _____

T O T A L : - _____

x 2 = _____

Total Amount in works _____

CONTRACTOR


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HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (V) (PUMPING MACHINERY 5.5 BHP)

1	4	Supplying Installing in position at site of work for Drainage scheme Electric Motor set 5.5 BHP (Semense made) 4 pole 1450 RPM 3 phase 400 VAC Cycle coupled with KSB Non colgging sludge pump (Type KWPZ-65-315) size 3x2 1/2" i/c common stel frame and coupling wht sleeve etc complete capbale of dischargeing 100 GPM @ 555 feet head with local made as under: Eletric drop cable 10 mm 2-3 core and 80 feet water prof joint G.I pipe 2" IIL-M grade x 30 feet G.I Band 2 x 1 G.I Deelivery Pipe 2" IIL-M grade x 5 feet MS foundation plate with T-Bolts M.S Holdings clamp 2 1/2"x1 sockets 2x4 M.S Bore cover plate x 1 wire rope with clamps x 130 feet i/c providing and fixing automatic MCU (Motor Control Unit) consist oil starter (MEECO Pakistan) MCCB Bricker 10-A to 50-A (Shihin Taiwan) cutout 60-A (China) AMP meter (60-A) (SELCO) China volt meter (500-V) (SELCO) China) Phase indication light (China) include transformer oil (2-Ltr) penal board 18"x26" and internal wiring etc complete and providing fixing earthing arrangement and	690000	P. Set	2,760,000
2	2	Supplying and Installing Diesel Oil Engine of 8 BHP (Golden Made) model GD-1110L 2200 RPM coupled with non clogging horizontal semi semi open impeller pump type GSWG-103 size 4x3 capable discharge 110 GPM against the head of 55 ft i/c frame, pulley for engine and pump with belt and installing of pump set in cc foundation with nuts and bolts and testing of pumping set against the required at 45 hrs.	202000	P. Set	404,000
3		Inter Connection: - Manufacturing and Fixing black steel M.S Pipe made out of MS Sheet 3/16" thick cutting folding to curvature and Shape i/c welding etc complete.			
a)	12	Suction 3" Dia	385.59	P. Rft	4,627
b)	12	Deelivery 4" Dia	506.60	P. Rft	6,079
c)	18	P.E Pipe HDPE PN-10 6" Dia.	530.00	P. Rft	9,540
4		Supplying & Installing with welding MS Flange made out of MS Sheet 3/8" Thick.			
a)	4	3" Dia	500.89	Each	2,004
b)	4	4" Dia	596.75	Each	2,387
c)	10	6" Dia	804.77	Each	8,048
5	2	Reflex Valve pattern (Test pressure 21.0 KM/Sq.Cm or 300 lbs /sqinch) Imported	4062.50	Each	8,125
6	2	C.I sluice vaive pattern (Test pressure 21.0KM/Sq.CM or 300 lbs/sqinch) Imported.	9360.00	Each	187
7	64.10	C.I Bends with flanged ends with holes i/c turning and facing of flanges for all size.	120.00	P. KG	7,692

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
8	33.41	C.I Tapper flat bottomed or central tapered flanged ends with holes i/c turning facing of flanges for all size.	120.00	P. KG	4,009
9		Foot valve heavy pattern with cone type gate (imported)			
a)	1	3" Dia	731.25	Each	731
b)	1	4" Dia	893.75	Each	894
10	22	C.I Tees flanges ends with holes i/c turning and facing of flanges for all size	120.00	P. KG	2,640
11		Making But fusion joint			
a)	4	3"	600.00	Each	2,400
b)	4	4"	10000.00	Each	40,000
c)	4	6"	10000.00	Each	40,000
12		Flange Adopter NSI			
a)	4	3"	675.00	Each	2,700
b)	4	4"	1215.00	Each	4,860
c)	4	6"	2025.00	Each	8,100
13		Jointing C.I/M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts, bolts with washers etc and other tools required for jointing and testing the joints to the specified pressure etc complete.			
a)	4	3" Dia	499.00	Each	1,996
b)	4	4" Dia	513.00	Each	2,052
c)	8	6" Dia	938.00	Each	7,504
T O T A L : -					3,330,575

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

x 2 =

Total Amount in works

CONTRACTOR

EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (VI) (P.E RISING MAIN 4" Dia)					
1	15000	Excavation for pipe line in trenches, and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	3600	%o Cft	54,000
2	2500	Providing,Laying & Fixing in trench i/c fitting, jointing & testing etc complete in all respect the high Density Polythylene PE pipes (HDPE-100) for W/S confirming ISO 4427/DIN8074/8075 B.S 3580 & PSI 3051. 160 mm	440	P. Rft	1,100,000
3		High Density Polythene Fitting			
a)	3	45 Elbow 4" Dia	4349.00	Each	13,047
b)	2	90 Bend 4" Dia	3480.00	Each	6,960
c)	1	4" Dia	8363.00	Each	8,363
d)	4	4" Dia	731.25	Each	2,925
e)	3	4" Dia.	400.00	Each	1,200
4	2	Supplying C.I Sluice Valve heavy pattern test pressure 21.0KM/sq.cm or 300 lbs /sqinch.	487.50	Each	975
5	10	P.E Pipe Specials for fitting	1000.00	Each	10,000
6	13500	Refillinf the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc complete.	2760.00	%o Cft	37,260
T O T A L : -					1,234,730

% Above / Below / at Par, on the rates of CSR


Amount to be Added / Deducted on the

T O T A L : -

x 2 =

Total Amount in works

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (VII) (COMPOUND WALL)					
1	852	Excavation in foundation of building bridge and other structure i/c dressing refeling arround structure with excavated earth watering and ramming lead upto one chain and lift upto 5 ft. in ordinary soil.	3176.25	%o Cft	2,706
2	213	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge ratio 1:4:8	9416.28	% Cft	20,057
3	1188.30	Pacca brick work in foundation and plinth in: (e) Cement sand mortar 1:6	11948.36	% Cft	141,982
4	230.52	Damp proof course with (cement sand and shingle concrete 1:2 :4) including 2 coats of asphaltic mixture. (c) 3" thick	4982.18	% Cft	11,485
5	51.50	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (l) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P. Rft	17,356
6	2.07	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 removeal of rust from bars.)	5001.70	P. Cwt	10,354
7	612	Pacca brick work other than building including striking of joints upto 20 feet height in: (e) Cement sand mortar. 1:6	12346.65	% Cft	75,561
8	2142	Cement plaster 1:4 upto 12' height (b) 1/2" thick.	2283.93	% Cft	48,922
9	800	Cement pointing struck joints on walls. (b) Ratio 1:3	1213.58	% Cft	9,709
10	2142	Cement plaster 1:4 upto 12' height (a) 3/8" thick	2197.52	% Cft	47,071
11	5.36	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 removeal of rust from bars.)	4928.49	P. Cwt	26,417
12	5.36	Erection and fitting in position of iron trusses staging of water tanks etc.	271.04	P. Cwt	1,453
13	2142	Preparing the surafec and painting with weather coat i/c rubbing the surface with rubbing brick /sand paper, filling the voids with chalk/ plaster of pairs and then painting with weather coat of approved make.	1948.10	% Sft	41,728

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
14	100	Painting new surface. Preparing surface and painting of doors and windows any type (including edges) Three Coat.	2116.41	% Sft	2,116
T O T A L : -					456,916


_____ % Above / Below / at Par, on the rates of CSR
 _____ Amount to be Added / Deducted on the

T O T A L : - _____

x 2 = _____

Total Amount in works _____

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (VIII) (OXIDATION POND)					
1	82000.38	Excavation for tanks and reservoir in soft soils i/c trimming and dressing sides to true alignment/design sections/profiles and shape levelling 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. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	3000.00	%o Cft	246,001
2	6000	Excavation for tanks and reservoir in hard soils i/c trimming and dressing sides to true alignment/design sections/profiles and shape levelling 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. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	5350.00	%o Cft	32,100
3	83937.00	Earth work compaction (Soft, Ordinary or hard soil) laying earth in 6" layers leveling and dressing complete.	354.00	%o Cft	29,714
T O T A L : -					307,815

_____ % Above / Below / at Par, on the rates of CSR


_____ Amount to be Added / Deducted on the

T O T A L : - _____

x 2 = _____

Total Amount in works _____

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (IX) (RCC SUMP WELL)

1	1008.00	Excavation for pipe line in trenches, and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	3600.00	%o Cft	3,629
2	792.00	Excavation for pipe line in trenches, and pits in wet soils clay or mud i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	5400.00	%o Cft	4,277
3	96.00	Providing, Laying RCC pipes of A.S.T.M C-76-62 T/C-76-70 of Class II wall B and fixing in trench i/c cutting, fitting and jointing with rubber ring i/c testing with water to specified pressure. 375 mm (15" dia)	515.00	P. Rft	49,440
4	201.75	Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc. complete.	2760.00	%o Cft	557
T O T A L : -					57,902

_____ % Above / Below / at Par, on the rates of CSR


_____ Amount to be Added / Deducted on the

T O T A L : - _____

x 2 = _____

Total Amount in works _____

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EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

BILL OF QUANTITIES

ADP NO./WORK NO: - 1555

NAME OF WORK: - Construction of Paver Block & Disposal Work and Metalled Road for Village Gole Aliwahan (Dalho)

DESCRIPTION AND RATE OF ITEM BASED ON COMPOSITE OF RTAES.

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "A" SCHEDULE ITEM (ROAD WORK)					
1		Earth work road embankment by Bulldozers including ploughing, mixing, cold breaking, dressing & compacting with optimum moisture content lead upto 100 ft. upto 5 Cft. In all types of soil except rock. (If earth is done by other than department agency) compacting 95-100% modified AASHO density.			
		WITH EXTRA LEAD			
a)	226043	85% Compaction	7723.95	%o Cft	1,745,945
b)	41580	95-100% Compaction	10253.72	%o Cft	426,350
		WITHOUT LEAD			
a)	23795	85% Compaction	3656.23	%o Cft	87,000
b)	4620	95-100% Compaction	6190.17	%o Cft	28,599
2	19800	Preparing sub-base course supply and spreading stone metal 1 ½ -2' gauge of approved quality from approved quarry in required thickness of 6"x2" in layers 3' each to proper camber and grade including hand packing filling voids with 10 Cft. Screening & non plastic quarry fines of approved quality and gauge from approved source, watering & compacting to achieve 95-100% density as per modified AASHO specification (Rate includes all cost of materials and carriage site of work).	5655.73	% Sft	1,119,835
3	6600	Laying brick on end edging including supplying 9"x4 ½" x3" first class brick excavation for having edging with small size parallel to the road (rate i/c lead up to site of work).	2729.96	% Cft	180,177

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
4	19800	Preparing Base Course i/c supplying and spreading stone metal of approved quality from approved quarry properly graded to maximum size of 1 1/2" in required thickness to proper camber and grade including supplying and spreading 15 Cft. Screening and non plastic quarry fines filling depressions with stone metal after initial rolling i/c watering and compacting the same so as to achieve 100% density as per modified AASHO specification (Rate i/cs providing and using templates camber plates, screen forms as directed) rate i/cs all cost of material T&P and carriage upto 3 chains.	6593.69	% Sft	1,305,551
5	39600	Providing surface dressing 1st coat on new or existing surface with 30 lbs bitumen of 80/100 penetration and 4.0 Cft: crushed i of required size cleaning the road surface rolling etc complete rate i/c all cost of material T&P and carriage upto site of work	1591.29	% Sft	630,151
6	39600	Providing 1-" Thick (consolidated) premixed carpet in proper camber and grade including supplying 10 Cft: hill sand of crush Bajri 04 Cft in required and 67 lbs of bitumen 80/100 penetration i/c mixing in mechanical mixture machine and heating the materials rolling etc. complete rate i/c all cost of material carriage upto site of work.	6936.74	% Cft	2,746,949
T O T A L : -					8,270,555

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

Ded: Diff Cost of Bitumen (-)

491,454

T O T A L : -

Total Amount in works

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "B" SCHEDULE ITEM (ROAD WORK)

1	17160	Laying brick on end edging including supplying 9"x4 1/2" x3" first class brick excavation for having edging with small size parallel to the road (rate i/c lead up to site of work).	2729.96	% Sft	468,461
2	39620	Preparing Base Course i/c supplying and spreading stone metal of approved quality from approved quarry properly graded to maximum size of 1 1/2" in required thickness to proper camber and grade including supplying and spreading 15 Cft. Screening and non plastic quarry fines filling depressions with stone metal after initial rolling i/c watering and compacting the same so as to achieve 100% density as per modified AASHO specification (Rate i/cs providing and using templates camber plates, screen forms as directed) rate i/cs all cost of material T&P and carriage upto 3 chains.	6593.69	% Sft	2,612,420
3	106920	Providing surface dressing Two coat on new or existing surface with 30 lbs bitumen and 4.0 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).	2843.09	% Cft	3,039,832
4	106920	Providing and Laying to proper line and grade 1-1/2" thick Pre-Mix Carpet with Paver Machine Prepared to Specified formula according to job mix formula approved by Engineer incharge including rolling and finishing to properline, grade level and camber etc (Rate all cost of materials T&P and carriage upto 3 chains.)	8744.75	% Sft	9,349,887
5	634951	Earth work embankment from borrow pits i/c laying in 6" layers, clod breaking ramming dressing complete, lead upto 100 ft. lift upto 5 ft. (In ordinary Soil)	7723.95	%o Cft	4,904,330
T O T A L : -					20,374,929

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

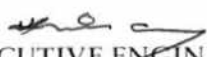
Ded: Diff Cost of Bitumen (-)

1,859,117

T O T A L : -

Total Amount in works

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "C" SCHEDULE ITEM (PAVER BLOCK)					
1	68250	Providing sand cushion i/c pit canal sand of approved source i/c watering etc complete rate i/c all cost of carriage upto site of work	1488.68	% Sft	1,016,024
2	34125	Cement concrete brick or stone pallast 1-1/2" to 2" gauge ratio 1:4:8.	9416.28	% Cft	3,213,306
3		Providing & fixing cement paving blocks flooring having size of 197x97x80 (mm) of ci/quaddra/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.			
a)	236400		199.77	P. Sft	47,225,628
b)	15600		223.97	P. Sft	3,493,932
4	10395	Cement Concrete plain i/c placing compacting finishing and curring complete (i/C screening and washing at stone aggregate without shuttering (f) Ratio 1:2:4	14429.25	%Cft	1,499,921
T O T A L : -					56,448,810

_____ % Above / Below / at Par, on the rates of CSR
 _____ Amount to be Added / Deducted on the

T O T A L : - _____

Total Amount in works _____

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (3' SPAN CULVERTS)					
1	1370	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft (B) in ordinary soil.	3176.25	%o Cft	4,351
2	245	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge ratio 1:4:8	9416.28	% Cft	23,070
3	360	Pacca Brick work in foundation and Plaster in cement and motor ratio 1:4.	12501.41	% Cft	45,005
4	27	Constructing of standard open drains cuntte block of cement concrete (1:2:4) ini situ to the design profile i/c cost of mould as per drawing i/c applying floating cost of cement 1/32" thick to the exposed face finished soomth etc complete as per detailed drawing.	14429.25	% Cft	3,896
5	6.82	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 removeal of rust from bars.)	4820.20	P-Cwt	32,874
6	164	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shutterning and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P. Cft	55,268
7	320	Cement Plaster (1:3) upto 20' Height 1/2" thick.	2344.59	% Sft	7,503
6	84	Supplying & filling & under floor & plugging in walls.	1141.25	% Cft	959
T O T A L : -					172,925

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

x 5 =

Total Amount in works

CONTRACTOR

EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "E" SCHEDULE ITEM (RETAINING WALL)					
1	78600	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft (B) in ordinary soil.	3176.25	%o Cft	249,653
2	21600	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge ratio 1:4:8	9416.28	% Cft	2,033,916
3	21750	Pacca Brick work in foundation and Plaster in cement and motor ratio 1:4.	12501.41	% Cft	2,719,057
4	1125	Cement Concrete plain i/c placing compacting finishing and curring complete (i/C screening and washing at stone aggregate without shuttering (f) Ratio 1:2:4	14429.25	% Cft	162,329
5	2580.75	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 removeal of rust from bars.)	4820.20	P-Cwt	12,439,731
6	68250	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shutterning and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (l) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P. Cft	23,000,250
7	12000	Cement Plaster (1:3) upto 20' Height 1/2" thick.	2344.59	% Sft	281,351
T O T A L : -					40,886,287

% Above / Below / at Par, on the rates of CSR


Amount to be Added / Deducted on the

T O T A L : -

x 5 =

Total Amount in works

CONTRACTOR


EXECUTIVE ENGINEER
HIGHWAYS DIVISION
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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "F" SCHEDULE ITEM (DISPOSAL WORK (I) INTERNAL & EXTERNAL DRAIN)

1	8686.84	Dismantling and ramoving road metalling.	605.00	% Cft	52,555
2	232.5	Dismantling brick work in lime or cement mortar.	1285.63	% Cft	2,989
3	10486.84	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft. (b) In ordinary soil.	3176.25	%o Cft	33,309
4	2171.71	Cement concrete plain including placing compacting, finishing and curing, comlete (including screening and washing at stone aggregate without shuttering. (i) Ratio. 1: 4 :8	11288.75	% Cft	245,159
5	6303	Pacca brick work in foundation and plinth in: (e) Cement sand mortar 1:6	11948.36	% Cft	753,105
		Constructing of standard open drains cuntte block of cement concrete (1:2:4) ini situ to the design profile i/c cost of mould as per drawing i/c applying floating cost of cement 1/32" thick to the exposed face finished soomth etc complete as per detailed drawing.			
a)	2102	TYPE-I	94.00	P. Rft	197,588
b)	1200	TYPE-II	174.00	P. Rft	208,800
6	3469.68	Cement Plaster 1:4 upto 12' height 1/2" thick.	2283.93	% Cft	79,245
7	2171.74	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shutterning and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P. Cft	731,876
8	87.26	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 removeal of rust from bars.)	5001.70	P. Cwt	436,448
T O T A L : -					2,741,075

% Above / Below/ at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

Total Amount in works

CONTRACTOR

EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (II) RCC COLLECTING TANK)					
1	883.13	Excavtion of well in dry upto 20' below ground level and disposel of soil within one chain. in ordinary soil.	2247.58	%o Cft	1,985
2	599.36	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shutterning and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P. Cft	201,984
3	25.16	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 removeal of rust from bars.)	5001.70	P. Cwt	125,843
4		Wet sinking of wells for depth below Spring level by means of spring level by means of devers including all charges for shoring loading and removing excavted material within one chain. In ordinary soil.			
a)	1202.03	0' - 15' Depth	11763.80	%o Cft	14,140
b)	1202.03	5.1' - 10' Depth	24200.00	%o Cft	29,089
5	69.08	Providing Construction joints in concrete work of 9" (225 mm) wide corrugated PVC water stop (with bulbs) i/c soldering cost of materials and labour.	86.00	P. Rft	5,941
6	105.45	Cement concrete brick or stone ballast 1 1/2" to 2" gauge. (b) Ratio 1 : 4 : 8	9416.25	% Cft	9,929
7		Cement concrete plain including placing compacting, finishing and curing, comlete (including screening and washing at stone aggregate without shuttering.			
a)	78.50	Ratio 1:4:8	11288.75	% Cft	8,862
b)	78.50	Ratio 1:3:6	12595.00	% Cft	9,887
c)	78.50	Ratio 1:2:4	14429.25	% Cft	11,327
8	1177.5	Bailing or pumping out sub soil water during excavation concreting, cost in situ concrete or masonry work in foundation etc.	543.00	% Cft	6,394
T O T A L : -					425,381


% Above / Below/ at Par, on the rates of CSR
Amount to be Added / Deducted on the

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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TOTAL : - _____

Total Amount in works _____

CONTRACTOR


EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (III) RCC SCREENING CHAMBER)

1	647.06	Excavation in foundation of building bridge and other structure i/c dressing refeling arround structure with excavated earth watering and ramming lead upto one chain and lift upto 5 ft. in ordinary soil.	3176.25	%o Cft	2,055
2	415.44	Extra for Wet earth work	1058.75	%o Cft	440
3	73.31	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge ratio 1:4:8	9416.28	% Cft	6,903
4	231.72	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P. Cft	78,090
5	9.30	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 removeal of rust from bars.)	5001.70	P. Cwt	46,516
6	1.75	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 removeal of rust from bars.)	4928.49	P. Cwt	8,625
7	1.75	Erection and fitting in position of iron trusses staging of water tanks etc.	271.04	P-Cwt	474
8	21.47	Pacca brick work in foundation and plinth in: (e) Cement sand mortar 1:6	11948.36	% Cft	2,565
9	57.21	Cement plaster 1:4 upto 12' height (b) 1/2" thick.	2283.93	% Sft	1,307
T O T A L : -					146,975

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

Total Amount in works

CONTRACTOR

EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (IV) INTERNAL CONNECTION)

1	84	Excavation for tanks and reservoir in soft soils i/c trimming and dressing sides to true alignment/design sections/profiles and shape levelling 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. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	3000.00	%o Cft	252
2	8.00	Providing, Laying RCC pipes of A.S.T.M C-76-62 T/C-76-70 of Class II wall B and fixing in trench i/c cutting, fitting and jointing with rubber ring i/c testing with water to specified pressure. 300 mm (12" dia)	412.00	P. Rft	3,296
3	76.00	Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc. complete.	2760.00	%o Rft	210
T O T A L : -					3,758


% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

Total Amount in works

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HIGHWAYS DIVISION
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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (IV) (PUMP HOUSE 10x12)					
1	188	Excavation in foundation of building bridge and other structure i/c dressing refeling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5 ft. in ordinary soil.	3176.25	%o Cft	597
2	90.97	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge ratio 1:4:8	9416.28	% Cft	8,566
3	212.34	Pacca brick work in ground floor in: (e) Cement sand mortar. 1:6	12674.36	% Cft	26,913
4	53.09	Damp proof course with (cement sand and shingle concrete 1:2 :4) including 2 coats of asphaltic mixture. (c) 3" thick	4982.18	% Sft	2,645
5	305.06	Pacca brick work in ground floor in: (e) Cement sand mortar. 1:6	12674.36	% Cft	38,664
6	3.73	Fabrication of heavy steel work with angles, tees, flat iron, round iron and sheet iron for making trusses, girders, tands etc. including cutting, tanks etc. including cutting, drilling rivetting, handling assembling and fixing but excluding erection in position.	5001.70	P. Cwt	18,656
7	92.76	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (l) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P-Cft	31,260
8	525.56	Cement Plaster 1:6 upto 12' height 1/2" thick.	5001.70	% Sft	26,287
9	525.56	Cement Plaster 1:4 upto 12' height 3/8" thick.	2197.52	% Sft	11,549
10	120	Providing and laying 3" thick topping cement concrete (1:2:4) including Surface finishing and dividiing into panels: (d.) 3" thick	4411.82	% Sft	5,294
11	4.41	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.)	4928.49	P. Cwt	21,735
12	443.25	Cement pointing struck joints on walls. (b) Ratio 1:3	1213.58	% Sft	5,379
13	273.13	Filling, watering and ramming earth in floors with surplus earth from foundation lead upto one chain and lift jupto 5 feet.	1512.50	%o Cft	413
14	100	Preparing surface painting of doors and windows.	1489.68	% Sft	1,490
15	968.81	White washing. (a) One Coat	416.63	% Sft	4,036


SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
16	120.00	White washing. (c) Three Coat	829.95	% Sft	996
17	968.81	Colour washing two coat	859.90	% Sft	8,331
T O T A L : -					212,812

_____ % Above / Below / at Par, on the rates of CSR
 _____ Amount to be Added / Deducted on the

T O T A L : - _____

Total Amount in works _____

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 HIGHWAYS DIVISION
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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (V) (PUMPING MACHINERY 5.5 BHP)					
1	4	Supplying Installing in position at site of work for Drainage scheme Electric Motor set 5.5 BHP (Semense made) 4 pole 1450 RPM 3 phase 400 VAC Cycle coupled with KSB Non colgging sludge pump (Type KWPZ-65-315) size 3x2 1/2" i/c common stel frame and coupling wht sleeve etc complete capbale of dischargeing 100 GPM @ 555 feet head with local made as under: Eletric drop cable 10 mm 2-3 core and 80 feet water prof joint G.I pipe 2" IIL-M grade x 30 feet G.I Band 2 x 1 G.I Deelivery Pipe 2" IIL-M grade x 5 feet MS foundation plate with T-Bolts M.S Holdings clamp 2 1/2"x1 sockets 2x4 M.S Bore cover plate x 1 wire rope with clamps x 130 feet i/c providing and fixing automatic MCU (Motor Control Unit) consist oil starter (MEECO Pakistan) MCCB Bricker 10-A to 50-A (Shihin Taiwan) cutout 60-A (China) AMP meter (60-A) (SELCO) China volt meter (500-V) (SELCO) China Phase indication light (China) include transformer oil (2-Ltr) penal board 18"x26" and internal wiring etc complete and providing fixing earthing	1102000	P. Set	4,408,000
2	2	Supplying and Installing Diesel Oil Engine of 8 BHP (Golden Made) model GD-1110L 2200 RPM coupled with non clogging horizontal semi semi open impeller pump type GSWG-103 size 4x3 capable discharge 110 GPM against the head of 55 ft i/c frame, pulley for engine and pump with belt and installing of pump set in cc foundation with nuts and bolts and testing of pumping set against the required at 45 hrs.	202000	P. Set	404,000
3		Inter Connection: - Manufacturing and Fixing black steel M.S Pipe made out of MS Sheet 3/16" thick cutting folding to curvature and Shape i/c welding etc complete.			
a)	12	Suction 3" Dia	385.59	P. Rft	4,627
b)	12	Delevery 4" Dia	506.60	P. Rft	6,079
c)	18	P.E Pipe HDPE PN-10 6" Dia.	530.00	P. Rft	9,540
4		Supplying & Installing with welding MS Flange made out of MS Sheet 3/8" Thick.			
a)	4	3" Dia	500.89	Each	2,004
b)	4	4" Dia	596.75	Each	2,387
c)	10	6" Dia	804.77	Each	8,048
5	2	Reflex Valve pattern (Test pressure 21.0 KM/Sq.Cm or 300 lbs /sqinch) Imported	4062.50	Each	8,125
6	2	C.I sluice vaive pattern (Test pressure 21.0KM/Sq.CM or 300 lbs/sqinch) Imported.	9360.00	Each	187
7	64.10	C.I Bends with flanged ends with holes i/c turning and facing of flanges for all size.	120.00	P. KG	7,692

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
8	33.41	C.I Tapper flat bottomed or central tapered flanged ends with holes i/c turning facing of flanges for all size.	120.00	P. KG	4,009
9		Foot valve heavy pattern with cone type gate (imported)			
a)	1	3" Dia	731.25	Each	731
b)	1	4" Dia	893.75	Each	894
10	22	C.I Tees flanges ends with holes i/c turning and facing of flanges for all size	120.00	P. KG	2,640
11		Making But fusion joint			
a)	4	3"	600.00	Each	2,400
b)	4	4"	10000.00	Each	40,000
c)	4	6"	10000.00	Each	40,000
12		Flange Adopter NSI			
a)	4	3"	675.00	Each	2,700
b)	4	4"	1215.00	Each	4,860
c)	4	6"	2025.00	Each	8,100
13		Jointing C.I/M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts, bolts with washers etc and other tools required for jointing and testing the joints to the specified pressure etc complete.			
a)	4	3" Dia	499.00	Each	1,996
b)	4	4" Dia	513.00	Each	2,052
c)	8	6" Dia	938.00	Each	7,504
T O T A L : -					4,978,575

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

Total Amount in works

CONTRACTOR

EXECUTIVE ENGINEER
HIGHWAYS DIVISION
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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "D" SCHEDULE ITEM (DISPOSAL WORK (VI) (P.E RISING MAIN 4" Dia)

1	16200	Excavation for pipe line in trenches, and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	3600.40	%o Cft	58,326
2	2700	Providing,Laying & Fixing in trench i/c fitting, jointing & testing etc complete in all respect the high Density Polythylene PE pipes (HDPE-100) for W/S confirming ISO 4427/DIN8074/8075 B.S 3580 & PSI 3051. 160 mm	440	P. Rft	1,188,000
3		High Density Polythene Fitting			
a)	3	45 Elbow 4" Dia	4349.00	Each	13,047
b)	2	90 Bend 4" Dia	3480.00	Each	6,960
c)	1	4" Dia	8363.00	Each	8,363
d)	4	4" Dia	731.25	Each	2,925
e)	3	4" Dia.	400.00	Each	1,200
4	2	Supplying C.I Sluice Value heavy pattern test pressure 21.0KM/sq.cm or 300 lbs /sqinch.	487.50	Each	975
5	10	P.E Pipe Specials for fitting	1000.00	Each	10,000
6	12960	Refillinf the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc complete.	2760.00	%o Cft	35,770
T O T A L : -					1,325,566

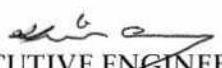
_____ % Above / Below / at Par, on the rates of CSR

_____ Amount to be Added / Deducted on the

T O T A L : - _____

Total Amount in works _____

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SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "D" SCHEDULE ITEM (DISPOSAL WORK (VII) (COMPOUND WALL)					
1	868	Excavation in foundation of building bridge and other structure i/c dressing refeling arround structure with excavated earth watering and ramming lead upto one chain and lift upto 5 ft. in ordinary soil.	3176.25	%o Cft	2,757
2	217	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge ratio 1:4:8	9416.28	% Cft	20,433
3	940.16	Pacca brick work in foundation and plinth in: (e) Cement sand mortar 1:6	11948.36	% Cft	112,334
4	235.04	Damp proof course with (cement sand and shingle concrete 1:2 :4) including 2 coats of asphaltic mixture. (c) 3" thick	4982.18	% Cft	11,710
5	305.01	pacca brick work other than building including striking of joints upto 20 feet height in: (e) Cement sand mortar. 1:6	12346.65	% Cft	37,659
6	51.50	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posotion complete in all respects. (I) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P. Rft	17,356
7	2.069	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 removeal of rust from bars.)	5001.70	P. Cwt	10,349
8	2054.16	Cement Plaster 1:6 upto 12' height 1/2" thick.	2206.60	% Sft	45,327
9	2054.16	Cement Plaster 1:4 upto 12' height 3/8" thick.	2197.52	% Sft	45,141
10	648	Cement pointing struck joints on walls. (b) Ratio 1:3	1213.58	% Sft	7,864
11	6.42	Fabrication of heavy steel work with angles, tees, flat iron, round iron and sheet iron for making trusses, girders, tands etc. including cutting, tanks etc, including cutting, drilling rivetting, handling assembling and fixing but excluding erection in position.	4928.49	P. Sft	31,641
12	2702.16	White Washing One Coat	416.63	% Sft	11,258
13	2702.16	Colour washing two coats	859.90	% Sft	23,236
14	120	Preparing surface of doors and windows any type i/c edge Three Coats	1489.68	% Sft	1,788
T O T A L : -					378,851

% Above / Below / at Par, on the rates of CSR


Amount to be Added / Deducted on the

T O T A L : -

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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Total Amount in works _____

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PART "D" SCHEDULE ITEM (DISPOSAL WORK (VIII) (STAFF QUARTER)

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
1	285.00	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft. (b) In ordinary soil.	3176.25	%o Cft	905
2	139.55	Cement concrete brick or stone ballast 1 1/2" to 2" gauge. (b) Ratio 1 : 4 : 8	9416.28	% Cft	13,140
3	325.97	Pacca brick work in foundation and plinth in: (e) Cement sand mortar 1:6	11948.36	% Rft	38,948
4	81.49	Damp proof course with (cement sand and shingle concrete 1:2 :4) including 2 coats of asphaltic mixture. (c) 3" thick	4982.18	% Sft	4,060
5	465.38	Pacca brick work in ground floor in: (e) Cement sand mortar. 1:6	12674.36	% Cft	58,984
6	156.64	Reinforcement Concrete work including all labour and material except the cost of stel reinforcement and its labour for bending and binding which will be paid separately this rate also includes all kinds of forms moulds, lifting shuttering and washing of shingle) (a) RC work in slab beams columns rafts lintels and other structure members laid in situ or pre cost laid in posiotion complete in all respects. (l) Ratio (1:2:4) 90 Lbs cement 2 Cft. 2 Cft. sand 4 Cft shingle. 1/8" to 1/4" gauge	337.00	P. Cft	52,788
7	6.29	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.)	5001.70	P. Cwt	31,461
8	874.00	Cement plaster 1:6 upto 12' height. (b) 1/2" thick.	2206.60	% Sft	19,286
9	874.00	Cement plaster 1:4 upto 12' height (a) 3/8" thick	2197.52	% Sft	19,206
10	192.00	Providing and laying 3" thick topping cement concrete (1:2:4) including Surface finishing and dividiing into panels: (d.) 3" thick	4411.82	% Sft	8,471
11	5.08	Fabrication of heavy steel work with angles, tees, flat iron, round iron and sheet iron for making trusses, girders, tands etc. including cutting, tanks etc. including cutting, drilling rivetting, handling assembling and fixing but excluding erection in position.	4928.49	P. Cwt	25,037
12	541.25	Cement pointing struck joints on walls. (b) Ratio 1:3	1213.58	% Sft	6,569
13	455.30	Filling, watering and ramming earth in floors with surplus earth from foundation lead upto one chain and lift jupto 5 feet.	1512.50	%o Cft	689
14	192.00	White washing.(c) Three coats	829.95	% Sft	1,594
15	1415.25	White washing. (a) One coat (1st coat over priming coat)	416.63	% Sft	5,896
16	1415.25	Colour washing (b) Two coats	859.90	% Sft	12,170


SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
17	109.50	Painting New Surface preparing surface doors & windows any type i/c edge Three Coats.	2116.41	% Sft	2,317
T O T A L : -					301,520

_____ % Above / Below / at Par, on the rates of CSR
 _____ Amount to be Added / Deducted on the

T O T A L : - _____

Total Amount in works _____

CONTRACTOR


 EXECUTIVE ENGINEER
 HIGHWAYS DIVISION
 SUKKUR

BILL OF QUANTITIES

ADP NO./WORK NO: - 1778

NAME OF WORK: - Construction of Road from Sher Khan Khaki to Village Muhammad Bux Buriro.

DESCRIPTION AND RATE OF ITEM BASED ON COMPOSITE OF RTAES.

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "A" SCHEDULE ITEM (ROAD WORK)					
1		Earth work road embankment by Bulldozers including ploughing, mixing, cold breaking, dressing & compacting with optimum moisture content lead upto 100 ft. upto 5 Cft. In all types of soil except rock. (If earth is done by other than department agency) compacting 95-100% modified AASHO density.			
		WITH EXTRA LEAD			
a)	337130	85% Compaction	7723.95	%o Cft	2,603,975
b)	76138	95-100% Compaction	10253.72	%o Cft	780,698
c)	104307	E/W on Berm	6278.37	%o Cft	654,878
		WITHOUT LEAD			
a)	586088	85% Compaction	3656.23	%o Cft	2,142,873
b)	152275	95-100% Compaction	6190.17	%o Cft	942,608
c)	184554	E/W on Berm	2208.37	%o Cft	407,564
2	99931	Preparing sub-base course supply and spreading stone metal 1 ½ -2' gauge of approved quality from approved quarry in required thickness of 6"x2" in layers 3' each to proper camber and grade including hand packing filling voids with 10 Cft. Screening & non plastic quarry fines of approved quality and gauge from approved source, watering & compacting to achieve 95-100% density as per modified AASHO specification (Rate includes all cost of materials and carriage site of work).	5841.97	% Sft	5,837,939
3	33310	Laying brick on end edging including supplying 9"x4 ½" x3" first class brick excavation for having edging with small size parallel to the road (rate i/c lead up to site of work).	2729.96	% Cft	909,350

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
4	92793	Preparing Base Course i/c supplying and spreading stone metal of approved quality from approved quarry properly graded to maximum size of 1 1/2" in required thickness to proper camber and grade including supplying and spreading 15 Cft. Screening and non plastic quarry fines filling depressions with stone metal after initial rolling i/c watering and compacting the same so as to achieve 100% density as per modified AASHO specification (Rate i/cs providing and using templates camber plates, screen forms as directed) rate i/cs all cost of material T&P and carriage upto 3 chains.	6786.44	% Sft	6,297,341
5	199861	Providing surface dressing 1st coat on new or existing surface with 30 lbs bitumen of 80/100 penetration and 4.0 Cft: crushed i of required size cleaning the road surface rolling etc complete rate i/c all cost of material T&P and carriage upto site of work	1591.94	% Sft	3,181,667
6	199861	Providing 1-" Thick (consolidated) premixed carpet in proper camber and grade including supplying 10 Cft: hill sand of crush Bajri 04 Cft in required and 67 lbs of bitumen 80/100 penetration i/c mixing in mechanical mixture machine and heating the materials rolling etc. complete rate i/c all cost of material carriage upto site of work.	4448.93	% Cft	8,891,676
T O T A L : -					32,650,568

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

Ded: Diff Cost of Bitumen (-)

1,956,549

T O T A L : -

Total Amount in works

CONTRACTOR

EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

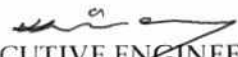
SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "B" SCHEDULE ITEM (MASONRY STRUCTURE)					
1	4362	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft. (b) In ordinary soil.	3176.25	%o Cft	13,855
2	2174	Earth for slush or Daldal including dewatering.	2420	%o Cft	5,261
3	1616	Cement concrete brick or stone ballast 1 1/2" to 2" gauge.(b) Ratio 1 : 4 : 8	9416.28	% Cft	152,167
4	2113	Pacca brick work in foundation and plinth in: (e) Cement sand mortar 1:6	11948.36	% Cft	25,247
5	1708	Pacca brick work in ground floor in:(c) Cement sand mortar. 1:4	13227.41	% Cft	22,592
6	270	Cement concrete plain including placing compacting, finishing and curing, comlete (including screening and washing at stone aggregate without shuttering. (f) Ratio. 1:2 :4	14429.25	% Cft	3,896
7	98.68	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.)	4820.20	P. Cwt	475,657
8	1695	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.) (a) R.C work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects. (l) Ratio (1 : 2: 4) 90 Lbs.cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge.	337	P. Cft	571,215
9	904	Cement Plaster 1:3 upto 20' height 1/2" thick.	2344.59	% Cft	21,195
T O T A L : -					1,291,086

% Above / Below / at Par, on the rates of CSR
Amount to be Added / Deducted on the

T O T A L : -

Total Amount in works

CONTRACTOR


EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "C" SCHEDULE ITEM (10' RET SPAN CULVERTS)					
1	5239	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft. (b) In ordinary soil.	3176.25	%o Cft	16,640
2	752	Cement concrete brick or stone ballast 1 1/2" to 2" gauge.(b) Ratio 1 : 4 : 8	9416.28	% Cft	70,810
3	1803	Pacca Brick work in foundation and plaster in cement and motor ratio 1:4.	12501.41	% Cft	225,400
4	91	Cement concrete plain including placing compacting, finishing and curing, comlete (including screening and washing at stone aggregate without shuttering. (f) Ratio. 1:2 :4	14429.25	% Cft	13,131
5	43.17	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 removeal of rust from bars.)	4820.20	P. Cwt	208,088
6	709	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.) (a) R.C work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects. (I) Ratio (1 : 2: 4) 90 Lbs.cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge.	337	P. Cft	238,933
7	1195	Cement Plaster 1:3 upto 20' height 1/2" thick.	2344.59	% Cft	28,018
8	112	Supplying and filling and floor and plugging in walls.	1141.25	% Cft	1,278
T O T A L : -					802,299

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

x 4 =

Total Amount in works

CONTRACTOR

EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "C" SCHEDULE ITEM (3' RFT SPAN CULVERTS)					
1	1370	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft. (b) In ordinary soil.	3176.25	%o Cft	4,351
2	245	Cement concrete brick or stone ballast 1 1/2" to 2" gauge.(b) Ratio 1 : 4 : 8	9416.28	% Cft	23,070
3	360	Pacca Brick work in foundation and plaster in cement and motor ratio 1:4.	12501.41	% Cft	45,005
4	27	Cement concrete plain including placing compacting, finishing and curing, comlete (including screening and washing at stone aggregate without shuttering. (f) Ratio. 1:2 :4	14429.25	% Cft	3,896
5	6.82	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.)	4820.20	P. Cwt	32,874
6	164	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.) (a) R.C work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects. (l) Ratio (1 : 2: 4) 90 Lbs.cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge.	337	P. Cft	55,268
7	320	Cement Plaster 1:3 upto 20' height 1/2" thick.	2344.59	% Cft	7,503
8	84	Supplying and filling and floor and plugging in walls.	1141.25	% Cft	959
T O T A L : -					172,925

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

x 5 =

Total Amount in works

CONTRACTOR

EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "C" SCHEDULE ITEM (RETAINING WALL)					
1	1980	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft. (b) In ordinary soil.	3176.25	%o Cft	6,289
2	990	Cement concrete brick or stone ballast 1 1/2" to 2" gauge.(b) Ratio 1 : 4 : 8	9416.28	% Cft	93,221
3	2643	Pacca Brick work in foundation and plaster in cement and motor ratio 1:4.	12501.41	% Cft	330,412
4	495	Cement concrete plain including placing compacting, finishing and curing, comlete (including screening and washing at stone aggregate without shuttering. (f) Ratio. 1:2 :4	14429.25	% Cft	71,425
5	1320	Cement Plaster 1:3 upto 20' height 1/2" thick.	2344.59	% Cft	30,949
6	3960	Borrowpit excavation undressed lead upto 100 ft ordinary soil.	1141.25	% Cft	45,194
T O T A L : -					577,489


_____ % Above / Below / at Par, on the rates of CSR

_____ Amount to be Added / Deducted on the

T O T A L : - _____

Total Amount in works _____

CONTRACTOR


EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

BILL OF QUANTITIES

ADP NO./WORK NO: - 1634

NAME OF WORK: - Construction of roads from National Highways to village Bingo Bullo and From Village Agro to Mulla Ally Taluka PanoAkil (3.20 KMs).

DESCRIPTION AND RATE OF ITEM BASED ON COMPOSITE OF RTAES.

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "A" SCHEDULE ITEM (ROAD WORK)					
1		Earth work road embankment by Bulldozers including ploughing, mixing, cold breaking, dressing & compacting with optimum moisture content lead upto 100 ft. upto 5 Cft. In all types of soil except rock. (If earth is done by other than department agency) compacting 95-100% modified AASHO density.			
		WITH EXTRA LEAD			
a)	3371	85% Compaction	7723.95	%o Cft	26,037
b)	76130	95-100% Compaction	10253.72	%o Cft	780,616
c)	10430	E/W on Berm	6278.37	%o Cft	65,483
		WITHOUT LEAD			
a)	5860	85% Compaction	3656.23	%o Cft	21,426
b)	1522	95-100% Compaction	6190.17	%o Cft	9,421
c)	1845	E/W on Berm	2208.37	%o Cft	4,074
2	9993	Preparing sub-base course supply and spreading stone metal 1 ½ -2' gauge of approved quality from approved quarry in required thickness of 6"x2" in layers 3' each to proper camber and grade including hand packing filling voids with 10 Cft. Screening & non plastic quarry fines of approved quality and gauge from approved source, watering & compacting to achieve 95-100% density as per modified AASHO specification (Rate includes all cost of materials and carriage site of work).	5841.97	% Sft	583,788
3	33312	Laying brick on end edging including supplying 9"x4 ½" x3" first class brick excavation for having edging with small size parallel to the road (rate i/c lead up to site of work).	2729.96	% Cft	909,404

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
4	92791	Preparing Base Course i/c supplying and spreading stone metal of approved quality from approved quarry properly graded to maximum size of 1 1/2" in required thickness to proper camber and grade including supplying and spreading 15 Cft. Screening and non plastic quarry fines filling depressions with stone metal after initial rolling i/c watering and compacting the same so as to achieve 100% density as per modified AASHO specification (Rate i/cs providing and using templates camber plates, screen forms as directed) rate i/cs all cost of material T&P and carriage upto 3 chains.	6786.44	% Sft	6,297,206
5	19980	Providing surface dressing 1st coat on new or existing surface with 30 lbs bitumen of 80/100 penetration and 4.0 Cft: crushed i of required size cleaning the road surface rolling etc complete rate i/c all cost of material T&P and carriage upto site of work	1591.94	% Sft	318,070
6	19980	Providing 1-" Thick (consolidated) premixed carpet in proper camber and grade including supplying 10 Cft: hill sand of crush Bajri 04 Cft in required and 67 lbs of bitumen 80/100 penetration i/c mixing in mechanical mixture machine and heating the materials rolling etc. complete rate i/c all cost of material carriage upto site of work.	4448.93	% Cft	888,896
T O T A L : -					9,904,422

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

Ded: Diff Cost of Bitumen (-)

495,651

T O T A L : -

Total Amount in works

CONTRACTOR

EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
PART "B" SCHEDULE ITEM (MASONRY STRUCTURE)					
1	4362	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft. (b) In ordinary soil.	3176.25	%o Cft	13,855
2	2174	Earth for slush or Daldal including dewatering.	2420	%o Cft	5,261
3	1616	Cement concrete brick or stone ballast 1 1/2" to 2" gauge.(b) Ratio 1 : 4 : 8	9416.28	% Cft	152,167
4	2113	Pacca brick work in foundation and plinth in: (e) Cement sand mortar 1:6	11948.36	% Cft	25,247
5	1708	Pacca brick work in ground floor in:(c) Cement sand mortar. 1:4	13227.41	% Cft	22,592
6	270	Cement concrete plain including placing compacting, finishing and curing, comlete (including screening and washing at stone aggregate without shuttering. (f) Ratio. 1:2 :4	14429.25	% Cft	3,896
7	98.68	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 removeal of rust from bars.)	4820.20	P. Cwt	475,657
8	1695	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.) (a) R.C work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects. (I) Ratio (1 : 2: 4) 90 Lbs.cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge.	337	P. Cft	571,215
9	904	Cement Plaster 1:3 upto 20' height 1/2" thick.	2344.59	% Cft	21,195
T O T A L : -					1,291,086

% Above / Below / at Par, on the rates of CSR
Amount to be Added / Deducted on the

T O T A L : -

Total Amount in works

CONTRACTOR

EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "C" SCHEDULE ITEM (10' RFT SPAN CULVERTS)

1	5239	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft. (b) In ordinary soil.	3176.25	%o Cft	16,640
2	752	Cement concrete brick or stone ballast 1 1/2" to 2" gauge.(b) Ratio 1 : 4 : 8	9416.28	% Cft	70,810
3	1803	Pacca Brick work in foundation and plaster in cement and motor ratio 1:4.	12501.41	% Cft	225,400
4	91	Cement concrete plain including placing compacting, finishing and curing, comlete (including screening and washing at stone aggregate without shuttering. (f) Ratio. 1:2 :4	14429.25	% Cft	13,131
5	43.17	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.)	4820.20	P. Cwt	208,088
6	709	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.) (a) R.C work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects. (l) Ratio (1 : 2: 4) 90 Lbs.cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge.	337	P. Cft	238,933
7	1195	Cement Plaster 1:3 upto 20' height 1/2" thick.	2344.59	% Cft	28,018
8	112	Supplying and filling and floor and plugging in walls.	1141.25	% Cft	1,278
T O T A L : -					802,299

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

x 4 =

Total Amount in works

CONTRACTOR

EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

SR. NO.	QUANTITY	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RUPEES
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PART "C" SCHEDULE ITEM (3' RFT SPAN CULVERTS)

1	1370	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft. (b) In ordinary soil.	3176.25	%o Cft	4,351
2	245	Cement concrete brick or stone ballast 1 1/2" to 2" gauge.(b) Ratio 1 : 4 : 8	9416.28	% Cft	23,070
3	360	Pacca Brick work in foundation and plaster in cement and motor ratio 1:4.	12501.41	% Cft	45,005
4	27	Cement concrete plain including placing compacting, finishing and curing, comlete (including screening and washing at stone aggregate without shuttering. (f) Ratio. 1:2 :4	14429.25	% Cft	3,896
5	6.82	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.)	4820.20	P. Cwt	32,874
6	164	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.) (a) R.C work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects. (l) Ratio (1 : 2: 4) 90 Lbs.cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge.	337	P. Cft	55,268
7	320	Cement Plaster 1:3 upto 20' height 1/2" thick.	2344.59	% Cft	7,503
8	84	Supplying and filling and floor and plugging in walls.	1141.25	% Cft	959
T O T A L : -					172,925

% Above / Below / at Par, on the rates of CSR

Amount to be Added / Deducted on the

T O T A L : -

x 5 =

Total Amount in works

CONTRACTOR

EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR

PROPOSED CONSTRUCTION SCHEDULE

Pursuant to Sub-Clause 43.1 of the General Conditions of Contract, the works shall be completed on or before the date stated in Appendix-A to Bid. The bidder shall provide as Appendix-E to Bid, the Construction Schedule in the bar chart (CPM, PERT or any other to be specified herein) showing the sequence of work items and the period of time during which he proposes to complete each work item in such a manner that his proposed 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

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 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.]

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	i. ii. iii. iv. v.					
b). To be Purchased	i. ii. iii. iv. v.					
c). To be arranged on Lease	i. ii. iii. iv. v.					

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.

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

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

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 Works (Give Details)	Subcontractor (With Complete Address)
1	2

ESTIMATED PROGRESS PAYMENTS

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 works and the Rates in the Bill of Quantities, expressed in Pakistani Rupees:

Quarter/ Year/ Period	Amounts (in thousands)
1	2
1st Quarter	
2nd Quarter	
3rd Quarter	
4th Quarter	
5th Quarter	
6th Quarter	
7th Quarter	
8th Quarter	
9th Quarter	
Bid Price	

**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 time 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

FORM OF BID SECURITY

BIDDING DOCUMENT
FORM OF BID SECURITY
(Bank Guarantee)

Security Executed on _____

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 fulfilment of the said Contract or in the event of non-withdrawal of the said bid within the time specified for its validity then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

BIDDING DOCUMENT

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.

WITNESS:

SURETY (Bank)

1. _____ Signature _____

Name _____

Corporate Secretary (Seal)

Title _____

2. _____ **Corporate Guarantor (Seal)**

Name, Title & Address

FORM OF AGREEMENT

BIDDING DOCUMENT

FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT made on the _____ day of _____ 2018 between
Executive Engineer Highways Division Sukkur of the one part and _____
_____ of the other part.

WHEREAS the Procuring Agency is desirous that certain works, viz **NOTE: - This Book is Valid for Serial No. 1 to 6 and Serial No. 7 is Second No. Book is valid.** 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 constructed 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.
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.

BIDDING DOCUMENT

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)

BIDDING DOCUMENT
FORM OF PERFORMANCE SECURITY
(Bank Guarantee)

Guarantee No. _____
Executed on _____
Expiry date _____

[Letter by the Guarantor to the Procuring Agency]

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

Name of Principal (Bidder) with Address

Penal Sum of Security Rupees. _____
_____ (Rs. _____)

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 49, Defects Liability, of Conditions of Contract are fulfilled.

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

BIDDING DOCUMENT

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.

WITNESS:

GUARANTOR (Bank)

1. _____ Signature _____

Name _____
Corporate Secretary (Seal)
Title _____

2. _____ **Corporate Guarantor (Seal)**

Name, Title & Address

BIDDING DOCUMENT
MOBILIZATION ADVANCE GUARANTEE

Bank Guarantee No. _____
Date _____

WHEREAS _____ (*hereinafter called the*
'Procuring Agency') has entered into a Contract for
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 fulfilment 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 _____ *Date* _____ whichever is earlier.

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.

BIDDING DOCUMENT

WITNESS:

GUARANTOR

1. _____ Signature _____

Corporate Secretary (Seal)

Name _____

Title _____

2. _____ **Corporate Guarantor (Seal)**

Name, Title & Address

BIDDING DOCUMENT

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).

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

Pin R. Form. 17. A

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 :-

- (1) 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.
- (2) 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

BIDDING DOCUMENT

claims whatsoever to any materials in respect of which an advance has been made to him as aforesaid.

- (3) 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.
- (4) 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 quality 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.
- (5) '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
- (6) 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 the rates at which the amount of the advances made under these presents were calculated.
- (7) 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 of 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.
- (8) 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

BIDDING DOCUMENT

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:

Witness:

Witness:

(Name, Title and Address)

(Name, Title and Address)

(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 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

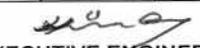
Contractor

DRAWINGS

ANNUAL PROCUREMENT PLAN (FINANCIAL YEAR 2017-18)

(Cost In Million)

Sr. No.	Description of Procurement	Quantity (where Applicable)	Estimate Unit Cost Applicable	Estimate Total Cost	Funds Allocated	Source of Funds (ADP/Non ADP)	Proposed Procurement Method	Timing of Procurement				Remarks
								1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter	
1	Construction of Drain & Paver Disposal Work for village Kandri Bhai Khan Shaikh Goral Shaikh, Wadi Patni Sarwar Shaikh.	---	111.000	111.000	36.630	Provincial ADP	Open Competitive Bidding	25%	25%	--	--	50% Release
2	Construction of Paver Block, Disposal of Drain for Village Ambeh Haji Lashmir Khan, Mari Janullah Shah, Piyaro Jogi, Imam Dino Shaikh, Muhammad Kadero & Mirani Mohalla Roshanabad.	---	177.610	177.610	58.611	Provincial ADP	Open Competitive Bidding	25%	25%	--	--	50% Release
3	Construction of Paver Block, Disposal Work & Paver Work at Village Ali Dino Zangejo, Nabi Bux Shaikh Nihal Khan Qazi, Bahrio Solangi, Muhammad Pnawal Solangi, Khan Muhammad, Noor Muhammad Soomro, Wada Katpar.	---	116.030	116.030	38.290	Provincial ADP	Open Competitive Bidding	25%	25%	--	--	50% Release
4	Construction Paver Block, Disposal Work at Village Gul Muhammad Lashari, Mehran Ali Lashari UC Trimoonh.	---	84.840	84.840	27.997	Provincial ADP	Open Competitive Bidding	25%	25%	--	--	50% Release
5	Construction of Paver Block & Disposal Work and Metalled Road for Village Gole Aliwahan (Dalho)	---	146.500	146.500	48.345	Provincial ADP	Open Competitive Bidding	25%	25%	--	--	50% Release
6	Construction of Road from Sher Khan Khaki to Village Muhammad Bux Buriro.	---	41.000	41.000	13.530	Provincial ADP	Open Competitive Bidding	25%	25%	--	--	50% Release
7	Construction of roads from National Highways to village Bingo Bullo and From Village Agro to Mulla Ally Taluka PanoAkil (3.20 KMs).	---	22.459	22.459	7.411	Provincial ADP	Open Competitive Bidding	25%	25%	--	--	50% Release


EXECUTIVE ENGINEER
HIGHWAYS DIVISION
SUKKUR