

LOWER PINYARI DIVISION SUJAWAL

BIDDING DOCUMENT

NAME OF WORK:

REMODELING OF KUKA LINK BUND

MILE 0/0 TO 20/1

Employer:

Sindh Irrigation Department through

Executive Engineer Lower Pinyari Division

Sujawal

o Whom Issued to:- M/s				
			··	
Amount of Documents Fee Rs 3000/-				

DR No. & Date:-____

TABLE OF CONTENTS

	TENTS	Page No
	TATION FOR BIDS	4
For	<u> </u>	3
INST	RUCTIONS TO BIDDERS	
		5
A. G	eneral	
IB.1 S	Scope of Bid	6
IB.2 S	Source of Funds	6
IB.3 I	Eligible Bidders	6
IB.4 (One Bid Per Bidder	7
IB.5 (Cost of Bidding	7
IB.6 S	Site Visit	7
B.	Bidding Documents	F
ID 7 (Contents of Ridding Doguments	
	Contents of Bidding Documents Clarification of Bidding Documents	8
	-	8
W.7 F	Amendment of Bidding Documents	o
C.	Preparation of Bids	
(B.10.	Language of Bid	8
IB.11	Documents Accompanying the Bid	8
(B.12	Bid Prices	10
(B.13)	Currencies of Bid and Payment	10
[B.14	Bid Validity	11
B.15	Bid Security	11
B.16	Alternate Proposals by Bidder	11
B.17	Pre-Bid Meeting	12
B.18		12
D.	Submission of Bids	
] B.19 .	Sealing and Marking of Bids	13
	Deadline for Submission of Bids	13
	Late Bids	13
	Modification Substitution and Withdrawal of Ride	

Office of the Executive Engineer, Lower Pinyari Division Sujawal

Phone No: 0298-510421

No: TC/G-55
Dated:

/2015 /2015

To,

1. M/s Haji Bashir Soomro

2. M/s Sher Mohammad Mugheri & Co

3. M/s MJB Construction Co

NOTICE INVITING SEALED BIDS FROM PREQUALIFIED CONTRACTORS / FIRMS

The Chief Engineer Irrigation Kotri Barrage Hyderabad vide his office letter No. S-151/W-4/P.Q/LPD/2015/937, dated 13-04-2015 has declared you are prequalified Contractors / Firms to offer your bids for the work of ADP No. 1055 for the work as shown below:-

S.No	Name of Work	Estimated Cost in Million Rs.
<u> </u>	Remodeling of Kuka Link Bund Mile 0/0 to 20/6	Rs. 204.828

- 1. The blank bidding forms of Rs. 3000/- each (Non Refundable) can be received from office of the undersigned during office hours up to 18-05-2015 at 13.00 hours
- 2. Earnest Money 2% of the bid cost in shape of Call Deposit shall be attached with the bids
- 3. The conditional bids will not be entertained
- 4. The bids will be received back up to 14.00 hours on 18-05-2015 and will be opened on the same day at 15.00 hours in the presence of bidders or their representative who wish to be present in the office of the Superintending Engineer Pinyari Circle B.No. 47 Civil Lines Hyderabad
- The Estimates, plan and specifications of ADP Scheme No. 1234 can be seen in the office of the undersigned on any working day during office hours
- 6. Late submission of the bids shall not be accepted at any cost

(Sohail Hameed Baloch)

Executive Engineer Lower Pinyari Division Sujawal

Copy forwarded with compliments to:

- 1. The PS to Honourable Minister Irrigation Department Government of Sindh Karachi
- 2. The Secretary Irrigation Department Government of Sindh Karachi
- 3. The Chief Engineer Irrigation Kotri Barrage, Hyderabad
- 4. The Superintending Engineer Pinyari Circle Hyderabad
- 5. Copy to Notice Board

FORMS

	BID SECURITY				. 54
	PERFORMANCE SECUR	YTY			56
	CONTRACT AGREEMEN	VT			58
•	MOBILIZATION ADVA	NCE GUARAN	TEE		60
**	INDENTURE BOND FOR	SECURED AI	DVANCE	•	61
	NOTE ON THE CONDIT	IONS ON THE	CONTRACT		64
DIDELO					
PAKT-I: G	ENERAL CONDITIONS OF	CONTRACT			72
DADT_II. S	SPECIAL CONDITIONS OF	CONTRACT			80
1 AIX 1-11. S	DI ECIAL CONDITIONS OF	CONTRACT			av
SPECIFIC	ATIONS				89
DRAWING	:S				90

Office of the Executive Engineer, Lower Pinyari Division Sujawal

Phone No: 0298-510421

No: TC/G-55 / 385 /2015 Dated: 28 / L /2015

Executive Engineer ewer Pinyari Division Sujawal

To,

1. M/s Haji Bashir Soomro

2. M/s Sher Mohammad Mugheri & Co

3. M/s MJB Construction Co

NOTICE INVITING SEALED BIDS FROM PREQUALIFIED CONTRACTORS / FIRMS

The Chief Engineer Irrigation Kotri Barrage Hyderabad vide his office letter No. S-151/W-4/P.Q/LPD/2015/937, dated 13-04-2015 has declared you are prequalified Contractors / Firms to offer your bids for the work of ADP No. 1055 for the work as shown below:-

S.No	Name of Work	Estimated Cost in
<u> </u>		Million Rs.
<u>I.</u>	Remodeling of Kuka Link Bund Mile 0/0 to 20/6	Rs. 204.828

- 1. The blank bidding forms of Rs. 3000/- each (Non Refundable) can be received from office of the undersigned during office hours up to 18-05-2015 at 12.00 hours
- 2. Earnest Money 2% of the bid cost in shape of Call Deposit shall be attached with the bids
- 3. The conditional bids will not be entertained
- 4. The bids will be received back up to 14.00 hours on 18-05-2015 and will be opened on the same day at 15.00 hours in the presence of bidders or their representative who wish to be present in the office of the Superintending Engineer Pinyari Circle B.No. 47 Civil Lines Hyderabad
- 5. The Estimates, plan and specifications of ADP Scheme No. 1234 can be seen in the office of the undersigned on any working day during office hours
- 6. Late submission of the bids shall not be accepted at any cost

Copy forwarded with compliments to:

- 1. The PS to Honourable Minister Irrigation Department Government of Sindh Karachi
- 2. The Secretary Irrigation Department Government of Sindh Karachi
- 3. The Chief Engineer Irrigation Kotri Barrage, Hyderabad
- 4. The Superintending Engineer Pinyari Circle Hyderabad
- The Director (A&F) Sindh Public Procurement Regulatory Authority Govt. of Sindh Karachi with request to hoist this NIT and bid document on Authority's website.
- 6. Copy to Notice Board

INSTRUCTIONS TO BIDDERS

INSTRUCTIONS TO BIDDERS

(Note: These Instructions to Bidders along with bidding data will not be part of the Contract and will cease to have effect once the contract is signed.)

A. GENERAL

IB.1 Scope of Bid

- 1:1 Procuring agency as defined in the bidding data hereinafter called "the !agency" wishes to receive bids for the construction and completion of works as described in these bidding documents, and summarized in the bidding data hereinafter referred to as the "Works".
- 1.2 The successful bidder will be expected to complete the works within the time specified in Appendix-A to Bid.

IB.2 Source of Funds

2.1 The Government of Sindh allocated fund for this scheme (ADP NO. 1234) in Annual development Program for the year 2014-15. The Government is administrative approve vide No.

IB.3 Eligible Bidders

- 3.1 This Invitation for Bids is open to all Pre-qualified Contractors/firm who are Pre-qualified by Chief Engineer Irrigation Kotri Barrage Hyderabad vide Notification N0. S-151/W-4/L.P.D/P.Q/2015/938 dated 13-04-2015 and the criteria given in the Notice Inviting Tender (NIT)/ Bidding Document.
 - (a) Bidders may be excluded if;
- (i) a Contractor/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.
- (ii) a Contractor/firm disqualified for particular project/scheme.
- (b) 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.

B.5 Cost of Bidding

5.1 The bidders shall bear all costs associated with the preparation and submission of their respective bids, and the procuring agency will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

1B.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.
- The bidders and any of their personnel or agents will be granted permission by the procuring agency to enter upon his premises and lands for the purpose of such inspection, but only upon the express condition that the bidders, their personnel and agents, will release and indemnify the procuring agency, his personnel and agents from and against all liability in respect thereof and will be responsible for death or personal injury, loss of or damage to property and any other loss, damage, costs and expenses incurred as a result of such inspection.

B. BIDDING DOCUMENTS

IB.7 Contents of Bidding Documents (SSP RULE 21)

- 7.1 The bidding documents, in addition to invitation for bids, are those stated below and should be read in conjunction with any addenda issued in accordance with Clause IB.9.
- a. Instructions to Bidders.
- b. Bidding Data.
- c. General Conditions of Contract, Part-I (GCC).
- d. Special Conditions of Contract, Part-II (SCC)
- e. Specifications.
- f. Form of Bid and Appendices to Bid.
- g. Bill of Quantities (Appendix-D to Bid).
- h. Form of Bid Security.
- i. Form of Contract Agreement.
- Forms of Performance Security, Mobilization Advance Guarantee, Integrity Pact and Indenture bond for secured advance.
- k. Drawings.

7.2 The bidders are expected to examine carefully the contents of all the above documents. Failure to comply with the requirements of bid submission will be at the bidder's own risk. Pursuant to Clause IB.26, bids which are not substantially responsive to the requirements of the BD will be rejected.

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

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

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

IB.9 Addendum/Modification of Bidding Documents:

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

C. PREPARATION OF BIDS IB.10 Language of Bid

10.1 The bid and all correspondence and documents related to the bid exchanged by a bidder and the procuring agency shall be in the language stipulated in the bidding data and Special Conditions of the Contract. Supporting documents and printed literature furnished by the bidders may be in any other language provided the same are accompanied by an accurate translation of the relevant parts in the bid language, in which case, for purposes of evaluation of the bid, the translation in bid language shall prevail.

IB.11 Documents Accompanying the Bid

- 11.1 Each bidder shall:
- (a) Submit a written authorization on the letterhead of the bidding firm, authorizing the signatory of the bid to act for and on behalf of the bidder;
- (b) Update the information indicated and listed in the bidding data and previously submitted with the application for prequalification, and continue to meet the minimum

- criteria set out in the prequalification documents, which as a minimum, would include the following:
- (i) Evidence of access to financial resources along with average annual construction turnover;
- (ii) Financial predictions for the current year and the following two years, including the effect of known commitments;
- (iii) Work commitments since prequalification;
- (iv) Current litigation information; and
- (v) Availability of critical equipment.
- 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;
- the partner-in-charge shall always be duly authorized to deal with the procuring agency regarding all matters related with and/or incidental to the execution of works as per the terms and Conditions of Contract and in this regard to incur any and all liabilities, receive instructions, give binding undertakings and receive payments on behalf of the joint venture;
- (d) all partners of the joint venture shall at all times and under all circumstances be liable jointly and severally for the execution of the contract in accordance with the contract terms and a statement to this effect shall be included in the authorization mentioned under Sub-Para (a) above as well as in the Form of Bid and in the Form of Contract Agreement (in case of a successful bid);
- (e) a copy of the agreement entered into by the joint venture partners shall be submitted with the bid stating the conditions under which it will function, its period of duration, the persons authorized to represent and obligate it and which persons will be directly responsible for due performance of the contract and can give valid receipts on behalf of the joint venture, the proportionate participation of the several firms forming the joint venture, and any other information necessary to permit a full appraisal of its functioning. No amendments / modifications whatsoever in the joint venture agreement shall be agreed to between the joint venture partners without prior written consent of the procuring agency;
- (f) Submission of an alternative Letter of Intent to execute a Joint Venture Agreement shall be mandatory.

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

IB.12 Bid Prices

- 12.1 Unless stated otherwise in the bidding documents, the contract shall be for the whole of the works as described in IB 1.1 hereof, based on the unit rates or prices submitted by the bidder or percentage quoted above or below on the rates of Composite Schedule of Rates (CSR), as the case may be.
- 12.2 The bidders shall fill in rates and prices for all items of the works described in the Bill of Quantities. Items against which no rate or price is entered by a bidder will not be paid for by the procuring agency when executed and shall be deemed to be covered by rates and prices for other items in the Bill of Quantities. In case of Composite Schedule of Rates, if the bidder fails to mention the percentage above or below, it shall be deemed to be at par with the rates of Composite Schedule of Rates.
- 12.3 The bid price submitted by the contractor shall include all rates and prices including the taxes. All duties, taxes and other levies payable by the contractor under the contract, or for any other cause during the currency of the execution of the work or otherwise specified in the contract as on the date seven days prior to the deadline for submission of bids.

 Additional / reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be reimbursed / deducted as per Sub-Clause 13.7 of the General Conditions of Contract Part-I.
- The rates and prices quoted by the bidders are subject to adjustment during the performance of the contract in accordance with the provisions of Clause 13.7 of GCC. The bidders shall furnish the prescribed information for the price adjustment formulae in Appendix-C to Bid, and shall submit with their bids such other supporting information as required under the said Clause. Adjustment in prices quoted by bidders shall be allowed as per Sub-Para 4(ii) of Section C of Instructions to bidders and bidding data.

IB.13 Currencies of Bid and Payment

- 13.1 The unit rates and the prices shall be quoted by the bidder entirely in Pak rupees. A bidder expecting to incur expenditures in other currencies for inputs to the works supplied from outside the procuring agency's country (referred to as the "Foreign Currency Requirements") shall indicate the same in Appendix-B to Bid. The proportion of the bid price (excluding Provisional Sums) needed by him for the payment of such Foreign Currency Requirements either
 - (i) Entirely in the currency of the bidder's home country or,
 - (ii) At the bidder's option, entirely in Pak rupees provided always that a bidder expecting to incur expenditures in a currency or currencies other than those stated in (i) and (ii) above for a portion of the foreign currency requirements, and wishing to be paid accordingly, shall indicate the respective portions in the bid.
- 13.2 The rates of exchange to be used by the bidder for currency conversion shall be the selling rates published and authorized by the State Bank of Pakistan prevailing on the

date, 07 (seven) days prior to the deadline for submission of bids. For the purpose of payments, the exchange rates used in bid preparation shall apply for the duration of the contract.

IB.14 Bid Validity

- 14.1 Bids shall remain valid for the period stipulated in the bidding data from the date of opening of bid specified in clause IB.23.
- 14.2 In exceptional circumstances, prior to expiry of the original, the procuring agency may request the bidders to extend the period of validity for a specified additional period, which shall not be for more than one third of the original period of bid validity. The request and the responses thereto, shall be made in writing. A bidder may refuse the request without the forfeiture of the bid security. In case, a bidder agreed to the request, shall not be required or permitted to modify the bid, but will be required to extend the validity of the bid security for the period of the extension, and in compliance with Clause IB.15 in all respects.

IB.15 Bid Security

- 15.1 Each bidder shall furnish, as part of the bid, a bid security in the amount stipulated in the bidding data in Pak Rupees or an equivalent amount in a freely convertible currency.
- 15.2 The bid security shall be at the option of the bidder, in the form of deposit at call, Pay order or a bank guarantee issued by a Scheduled Bank in Pakistan or from a foreign bank duly counter guaranteed by a Scheduled Bank in Pakistan in favour of the procuring agency, which should commensurate with the bid validity period. The bank guarantee for bid security shall be acceptable in the manner as provided at Annexure BS-1
- 15.3 Any bid not accompanied by an acceptable bid security shall be rejected by the procuring agency as non-responsive.
- 15.4 Bid security shall be released to the unsuccessful bidders once the contract has been signed with the successful bidder or the validity period has expired.
- 15.5 The bid security of the successful bidder shall be returned when the bidder has furnished the required Performance Security and signed the Contract Agreement.
- 15.6 The bid security may be forfeited:
- (a) If the bidder withdraws his bid except as provided in sub-clause IB 22.1;
- (b) If the bidder does not accept the correction of his bid price pursuant to sub-clause IB 27.2 hereof; or
- (c) In the case of successful bidder, if he fails within the specified time limit to:
- (i) Furnish the required Performance Security; or
- (ii) Sign the Contract Agreement.

IB.16 Alternate Proposals/Bids

16.1 Each bidder shall submit only one bid either by himself, or as a member of a joint venture, until and unless they have been requested or permitted for alternative bid, then he has to purchase separate bidding documents and alternate bid shall be treated as separate bid.

IB.17 Pre-Bid Meeting

- 17.1 Procuring agency may, on his own motion or at the request of any bidder, hold a prebid meeting to clarify issues and to answer any questions on matters related to the bidding documents. The date, time and venue of pre-bid meeting, if convened, shall be communicated to all bidders. All bidders or their authorized representatives shall be invited to attend such a pre-bid meeting at their own expense.
- 17.2 The bidders are requested to submit-questions, if any, in writing so as to reach the Procuring agency not later than seven (7) days before the proposed pre-bid meeting.
- 17.3 Minutes of the pre-bid meeting, including the text of the questions raised and the replies given, will be transmitted without delay to all bidders. Any modification of the bidding documents listed in sub- clause IB 7.1 hereof, which may become necessary as a result of the pre-bid meeting shall be made by the procuring agency exclusively through the issue of an Addendum pursuant to Clause IB.9 and not through the minutes of the pre-bid meeting.
- 17.4 Absence at the pre-bid meeting will not be a cause for disqualification of a bidder.

IB.18 Format and Signing of Bid

- 18.1 Bidders are particularly directed that the amount entered on the Form of Bid shall be for performing the contract strictly in accordance with the bidding documents.
- 18.2 All appendices to bid are to be properly completed and signed.
- 18.3 Alteration is not to be made neither in the form of bid nor in the Appendices thereto except in filling up the blanks as directed. If any such alterations be made or if these instructions be not fully complied with, the bid may be rejected.
- 18.4 Each bidder shall prepare by filling out the forms without alterations and shall provide an original copy along with photocopies as per the requirement of the procuring agency specified in the bidding data. The original as well as copies of the document shall be clearly marked as "ORIGINAL" and "COPY", as the case may be. If there is any discrepancy between original and copy (ies) then the original shall prevail.
- 18.5 The original and all copies of the bid shall be typed or written in indelible ink (in the case of copies, Photostats are also acceptable) and shall be signed by a person(s) duly authorized to sign on behalf of the bidder pursuant to sub-clause IB 11.1(a) hereof. All pages of the bid shall be initialed and stamped by the person(s) signing the bid.
- 18.6 The bid shall contain no alterations, omissions or additions, except to comply with instructions issued by the procuring agency, or as are necessary to correct errors made by the bidder. Such corrections shall be initialed by the person(s) signing the bid.

- 18.7 Bidders shall indicate in the space provided in the Form of Bid their full and proper postal addresses at which notices may be legally served on them and to which all correspondence in connection with their bids and the contract is to be sent.
- 18.8 Bidders should retain a copy of the bidding documents as their file copy.

D. SUBMISSION OF BIDS 13.19 Sealing and Marking of Bids

- 19.1 Each bidder shall submit his bid as under:
- (a) ORIGINAL and 02 COPIES of the bid shall be separately sealed and put in separate envelopes and marked as such.
- (b) The envelopes containing the ORIGINAL and COPIES shall be put in one sealed envelope and addressed as given in sub clause IB 19.2 hereof.
- 19.2 The inner and outer envelopes shall:
- (a) Be addressed to the procuring agency at the address provided in the bidding data;
- (b) Bear the name and identification number of the contract as defined in the bidding data; and
- (c) Provide a warning not to open before the time and date for bid opening, as specified in the bidding data.
- 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, or mention in NIT
- (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,
- 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.
- 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.
- No bid may be modified by a bidder after the deadline for submission of bids except in accordance with to sub clauses IB 22.1 and IB 27.2.
- 22.4 Withdrawal of a bid during the interval between the deadlines for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the bid security in pursuance to clause IB 15.

E. BID OPENING AND EVALUATION.

IB.23 Bid Opening

- 23.1 Procuring agency will open the bids, including withdrawals, substitution and modifications made pursuant to Clause IB.22, in the presence of Procurement Committee and bidders" representatives who choose to attend, at the time, date and location stipulated in the bidding data/NIT. The bidders or their representatives who are in attendance shall sign an attendance sheet.
- 23.2 Envelopes marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" shall be opened and read out first. Bids for which an acceptable notice of withdrawal has been submitted pursuant to clause IB.22 shall not be opened.
- 23.3 Procuring agency shall read aloud the name of the bidder, total bid price and price of any Alternate Proposal(s), if any, discounts, bid modifications, substitution and withdrawals, the presence or absence of bid security, and such other details as the procuring agency may consider appropriate, and total amount of each bid, and of any alternative bids if they have been requested or permitted, shall be read aloud and recorded when opened.
- 23.4 Procuring Agency shall prepare minutes of the bid opening, including the information disclosed to those present in accordance with the sub-clause IB.23.3.

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

24.1 Information relating to the examination, clarification, evaluation and comparison of bid and recommendations for the award of a contract shall not be disclosed to bidders or

any other person not officially concerned with such process before the announcement of bid evaluation report in accordance with the requirements of Rule 45, which states that Procuring agencies shall announce the results of bid evaluation in the form of a report giving reasons for acceptance or rejection of bids. The report shall be hoisted on website of authority and that of procuring agency if it website exists and intimated to all bidders at least seven (7) days prior to the award of contract The announcement to all bidders will include table(s) comprising read out prices, discounted prices, price adjustments made, final evaluated prices and recommendations against all the bids evaluated. Any effort by a bidder to influence the procuring agency's processing of bids or award decisions may result in the rejection of such bidder's bid. Whereas, any bidder feeling aggrieved, may lodge a written complaint as per Rule 31; however mere fact of lodging a complaint shall not warrant suspension of the procurement process.

IB.25 Clarification of Bid (SPP Rule 43)

25.1 To assist in the examination, evaluation and comparison of bids, the procuring agency may, at its discretion, ask any bidder for clarification of the bid, including breakdowns of unit rates. The request for clarification and the response shall be in writing but no change in the price or substance of the bid shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by the procuring agency in the evaluation of the bids in accordance with clause IB 28.

IB.26 Examination of Bids and Determination of Responsiveness

- 26.1 Prior to the detailed evaluation of bids, the procuring agency will determine whether the bidder fulfills all codal requirements of eligibility criteria given in the tender notice such as registration with tax authorities, registration with PEC (where applicable), 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.
- 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.
- A bid will be considered technically responsive if it (i) has been properly signed; (ii) is accompanied by the required bid security; and (iii) conforms to all the terms, conditions and specifications of the bidding documents, without material deviation or reservation. A material deviation or reservation is one (i) which affect in any substantial way the scope, quality or performance of the works; (ii) which limits in any substantial way, inconsistent with the bidding documents, the procuring agency's rights or the bidder's obligations under the contract; or (iii) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids.
- 26.4 If a bid has major deviations to the commercial requirements and technical specifications will be considered technically non responsive. As a general rule, major deviations are those that if accepted, would not fulfill the purposes for which the bid is requested, or would prevent a fair comparison or affect the ranking of the bids that are compliant with the bidding documents.

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

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

(B) Minor Deviations

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

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

IB.27 Correction of Errors before Financial Evaluation

- 27.1 Bids determined to be substantially responsive will be checked by the procuring agency for any arithmetic errors. Errors will be corrected by the procuring agency as follows:
- (a) Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern; and
- (b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern, unless in the opinion of the procuring agency there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line item total as quoted will govern and the unit rate will be corrected.
- 27.2 The amount stated in the Form of Bid will be adjusted by the procuring agency in accordance with the above procedure for the correction of errors and with the concurrence of the bidders. The amount thus corrected shall be considered as binding upon the bidder. If the bidder does not accept the corrected bid price, his bid will be rejected, and the bid security shall be forfeited in accordance with sub-clause IB 15.6(b) hereof.

LB.28 Financial Evaluation and Comparison of Bids

- 23.1 The procuring agency will evaluate and compare only the Bids determined to be substantially responsive in accordance with clause IB 26.
- 23.2 In evaluating the Bids, the procuring agency will determine for each bid the evaluated bid price by adjusting the bid price as follows:
 - (a) Making any correction for errors pursuant to clause IB 27;
 - (b) excluding provisional sums (if any), for contingencies in the Summary Bill of Quantities, but including competitively priced Day work; and
 - (c) Making an appropriate adjustment for any other acceptable variation or deviation.
- 28.3 The estimated effect of the price adjustment provisions of the conditions of contract, applied over the period of execution of the contract, shall not be taken into account in bid evaluation.
- 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 giving reasons for acceptance and rejection of bid. The report shall be hoisted on website of the SPPR authority and intimated to all bidders at least seven (7) days prior to the award of contract.

F. AWARD OF CONTRACT

IB.29 Award (SPP Rule 49)

- 29.1 Subject to clauses IB 30 and IB 34 and provision of the rule: The procuring agency shall award the contract to the bidder whose bid has been determined to be substantially responsive to the bidding documents, and who has offered the lowest evaluated bid, but not necessarily the lowest submitted price, within the original or extended period of bid validity. Provided that such bidder has been determined to be eligible in accordance with the provisions of clause IB 03 and qualify pursuant to sub-clause IB 29.2.
- 29.2 Procuring agency, at any stage of the bid evaluation, having credible reasons for or having *prima facie* evidence of any deficiency(ies) in contractor's capacities, may require the contractor to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not for the said project.

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

IB.30 Procuring Agency's Right to reject all Bids or Annul/Cancellation the Bidding

Process (SPP Rule 25)

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

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

- 3...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.
- The notification of award and its acceptance by the bidder will constitute the formation of the contract, binding the procuring agency and the bidder till signing of the formal Contract Agreement.
- 31.4 Upon furnishing by the successful bidder of a Performance Security and signing of the contract, the procuring agency will promptly notify the name of the successful bidder to all bidders and return their bid securities accordingly.
- 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 says 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)

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

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

33.4 Stamp Duty.

The formal Agreement between the Procuring Agency and the successful bidder shall be duly stamped at rate of ----% of bid price (updated from time to time) and will be 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

NOTES ON BIDDING DATA

This Section is intended to assist the procuring agency in providing the specific information in relation to corresponding clauses in Instructions to Bidders and should be prepared to suit each individual contract.

The procuring agency should provide in the bidding data information and requirements specific to the circumstances of the procuring agency, the processing of the bid, the applicable rules regarding bid price and currency, and the bid evaluation criteria that will apply to the bids. In preparing this section, the following aspects should be checked:

- (1) Information that specifies and complements the provisions of section; Instruction to Bidders must be incorporated.
- (2) Amendments and/or supplements, if any, to the provisions of Instructions to Bidders, necessitated by the circumstances of each individual contract, can be introduced only in this section since Instructions to Bidders will remain unchanged.

Contact/Bidding Data

Instructions to Bidders

Clause Reference

1.1 Name and address of the procuring agency:

Irrigation Department,
Government of Sindh, through
Executive Engineer Lower
Pinyari Division Suajwal
Phone No. 0298-510421

1.2 Name of the Project and Summary of the works:

Name of Project:

REMODELING OF KUKA LINK BUND MILE 0/0 TO 20/6

Summary of work:-

- 1. General
- a. Sindh Province of Pakistan has a geographical area of 140,914 Km2 (54,407.2 sq mi). The Province lies between 23 29 north latitude (near topic of cancer) and 67 71 east longitude. Sindh is surrounded by land in all directions except there is Arabian Sea in the south west. It is bordered with Rann of Kachh in south, Rajastan in east, Punjab province in north east and Baluchistan in north and west. In the extreme west are the barren Khitar Mountains; to the east is the great Indian desert, partly known as Thar Desert. Sindh lies in a tropical to subtropical region; it is hot in the summer and mild to warm in winter. Temperatures frequently rise above 46 C (115 F) between May and August, and the minimum average temperature of 2 C (36 F) occurs during December and January in the northern and higher elevated regions. The annual rainfall averages about 7", falling mainly during July and August. The southwest monsoon wind begins to blow in mid-February and continues until the end of September, whereas the cool northerly wind blows during the winter months from October to January.
- b. The work site (Kuka Link Bund Lower Pinyari Division Sujawal) is situated in District Sujawal. The nearest city to the site Chuhar Jamali. The nearest airport is Karachi and Hyderabad, 2 hours drive from Thatta City. The location of site.

c. Geology of the project area comprises alluvial sediments deposited by the River Indus and consists fine to medium sands, silts clays of Pleistocene and recent epochs over a basement of tertiary rocks. The nature of the soils varies considerably form place to place and there are layers of send belts (containing sand and sandy silt) and clay belt (containing clay and silt) spread over the area. Textures are closely related to depositional conditions and all maping is based on geomorphic units, although, stratification is complex, the majority of soils are within the range of fine sandy loam to silt clay looms being most common. True clays and sands are rare at least in the upper alluvium. All soils contain calcium carbonate and most contain jypsum. Salinity is wide spread but generally ephemeral, with adequate water and drainage, most soils can be reclaimed by simple leaching.

2.1 Name of the Borrower/Source of Financing/Funding Agency/Funding Source:

Government of Sindh ADP No. 1055 for the year 2014-15

2.1 Amount and Type of Financing/ Scheme Cost and Allocated Funds.

Rs. 204.828 Million Rs. 0.0 Million allocated for Year 2014-15

8.1 Time limit for clarification:

Not later than 5 working days prior to last date of submission

10.1 Bid language:

English

- 11.1 (a) Prequalification Information to be updated (where applicable):
- (i) Evidence of access to financial resources, (ii) latest status of financial resources commitment for two years (including the current year), (iii) works awarded during the interim perioc, (iv) availability of essential critical equipment, and (v) information about litigation presently
- 13.1 Bidders to quote entirely in Pak rupees
- 14.1 Period of Bid Validity:

Upto June 2017

15.1 Amount of Bid Security:

The amount of Bid Security in Pakistan Rupees shall not be less than 5% of the Bid Price in the form of Pay Order in the name of the procuring agency or an unconditional Bank Guarantee from any scheduled Bank of Pakistan.

17.1 Venue, time, and date of the pre-Bid meeting:

As indicated in the Notice Inviting Tenders

Number of copies of the bid to be completed and returned:

The bidder has to complete and submit one original and two copies

19.2 (a) Procuring Agency's address for the purpose of bid submission:

Office of the Superintending Engineer Pinyari Circle A-47 Civil Lines Hyderabad.

(b) Name and Identification Number of the Contract:

REMODELING OF KUKA LINK BUND MILE 0/0 TO 20/6

20.1 (a) Deadline for submission of bids:

Time 14 hours and Date 18-05-2015

(b) Venue, time, and date of bid opening:

Time 15 hours and Date 18-05-2015 Office of the Superintending Engineer Pinyari Circle Hyderabad

32.1 Standard form and amount
• of Performance Security acceptable to the procuring agency:

The performance security shall be in the form of unconditional Bank Guarantee from a schedule Bank of Pakistan as per standard form provided for an amount of 5% of the Contract Price.

32.3 Stamp duty

0.3% will be paid by successful bidder as stamp duty

FORM OF BID AND

APPENDICES TO BID

FORM OF BID

Bid Reference No.

REMODELING OF KUKA LINK BUND MILE 0/0 TO 20/6

To:	
. *.	The Executive Engineer, Lower Pinyari Division, Sujawal
1.	Having examined the bidding documents including Instructions to Bidders, Bidding Data, and Conditions of Contract, Specifications, Drawings and Bill of Quantities and Addenda Nos for the execution of the above-named work we/I, the undersigned, offer to execute and complete the work and remedy any defects therein in conformity with the Conditions of Contract, Specifications, Drawings, Bill of Quantities and Addenda for the sum of Rs(Rupees
	other sum as may be ascertained in accordance with the said conditions.
2.	We/I understand that all the Appendices attached hereto form part of this bid.
3.	As security for due performance of the undertakings and obligations of this bid, we/I submit herewith a bid security in the amount of Rupees
	(Rs) drawn in your favour or made payable to procuring agency and valid for a period of days beginning from the date, bid is opened.
4.	We/I undertake, if our bid is accepted, to commence the works and to complete the whole of the works comprised in the contract within the time stated in Appendix-A to Bid.
5.	We/I agree to abide by this bid for the period of days from the date fixed for opening the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
6.	Unless and until a formal Agreement is prepared and executed, this bid, together with your written acceptance thereof, shall constitute a binding contract between us.
7.	We do hereby declare that the bid is made without any collusion, comparison of figures or arrangement with any other bidder for the works.
8.	We understand that you are not bound to accept the lowest or any bid you may receive.
9.	We undertake, if our/my bid is accepted, to execute the Performance Security referred to in Clause 10 of Conditions of Contract for the due performance of the Contract.

						:	
in the ca	pacity of	duly aut	horized to s	ign Bids for	and on bel	half of	
		Dated this	· ·	day of	·	20	
		Signature:					
		(Name of Bidd	er in Block	Capitals)		. :	
			(Seal)				
 					•		
Address:	. ·		*.		. 1		
					1 1 1		
/itness:					•		
ignature:							
ame:						•	
ddress:			.				
	•						

We confirm, if our bid is accepted, that all partners of the joint venture shall be liable

jointly and severally for the execution of the Contract and the composition or the

10.

Appendix-A to Bid

SPECIAL STIPULATIONS Clause Conditions of Contract

		1	17
1.	Engineer representing Consulting Firm		Up to 2% of the contract price
	hired by the procuring agency to issue		stated
L	variation in case of emergency.		in the Letter of Acceptance.
2.	Amount of Performance Security	4.2	5% of Contract Price stated in the
			Letter of Acceptance.
3.	Time for Furnishing Programme	8.3	Within 42 days from the date of
L			receipt of Letter of Acceptance.
4.	Minimum amount of Third Party	18.3	Rs. 3,000,000/ per occurrence with
L.	Insurance		number of occurrences unlimited.
5	Time for Commencement	8.1	Within 14 days from the date
			of
Ì	•	1	receipt of Engineers Notice to
		İ	Commence, this shall be issued
}			within fourteen (14) days after
			signing of Contract Agreement.
6.	Time for Completion (works & sections)	8.2	Upto June 2017
		&	
		10.2	
7.	Amount of Liquidity Damages/Delay	8.7	0.05% of Contract Price equal to
	Damages/Penalties		Rsdamages per day for
	3		each day of delay in completion of
			the works subject to a maximum of
			10% of Contract Price stated in the
			Letter of Acceptance
8.	Defects Liability Period	11.1	365 days from the effective date
0.	Defects Liability 1 effod	11.1	
9.	Danagataga of Data-ti Mayara	14.2	of Taking Over Certificate. 10 % of the amount of
^{9.}	Percentage of Retention Money	14.2	The state of the state of
10	Limit of Datastian Manager	142	Certificate. 5 % of Contract Price stated in
10.	Limit of Retention Money	14.2	the
			Letter of Acceptance.
11.	Minimum amount of Interim/Running	14.2	Rs. 1.50 Million
13.	Payment Certificates	17.2	AG, 1.50 IMMION
12.	Time of Payment from delivery of	14.7	Within 30 days
	Engineer's Interim/Running Payment	į	•
·	Certificate to the procuring agency.	Į	
13.	Mobilization Advance.	14.2	0% of Contract Price stated in
		1	the
			Letter of Acceptance.

FOREIGN CURRENCY REQUIREMENTS

1.	with reference to various inputs to the	works.
2.	Foreign Currency Requirement as perc Sums%.	centage of the bid price excluding Provisional
3.	Table of Exchange Rates	
•		
	Unit of Currency	Equivalent in Pak. Rupees
	Australian Dollar Euro Japanese Yen U.K. Pound	
	U.S. Dollars	

B. When Escalation is allowed on the Materials only Price adjustment on following items shall allowed:

Cost Element		Description	Base Price	Applicable Index
1		2	3	4
(i)		Cement in Bags		Government of
				Pakistan
				(GOP)Federal
				Bureau of Statistics
				(FBS) Monthly
				Statistical Bulletin
(ii)		Reinforcing steel		ee ee ee
(iii)		Bricks	•	£6 66 66
(iv)	• •	Bitumen		cc cc cc
(v)		Wood (Composite		
• /		item)		
		Total five items.	.,	

BILL OF QUANTITIES

A. Preamble

- 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.

Appendix-D to Bid

BILL OF QUANTITIES (SAMPLE)

- B. Work Items.
- 1. The Bill of Quantities contains the following Bills and Items:

Bill No. 1. REMODELING OF KUKA LINK BUND MILE 0/0 TO 20/6

Day work Schedule Summary Schedule B

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

REMODELING OF KUKA LINK BUND MILE 0/0 TO 20/6

SCHEDULE B

Q ₁ y	<u> </u>	S.No.	Item	Rate	Unit	Amo	
2490	Hours	1	Jungle Clearence and removing with D-8K Dozer (Rate Approved by CEIKB vide letter No. CDM/8792/DB/EWR/173, dated 01-10- 2012	4961	P/Hour	12,35	
10395414	Cft	2	Borrow Pit Excavation undressed lead up to 100 ft ordinary or hard soil (S.I.No. 3 (a) P-1)	2117.5	% 0 Cft	22,01	
· · ·			Carriage of 100 Cft / 5 Tons of all material like stone aggregate, Spawl, coal, lime surkhi etc B.G Rail fastening points and crossing bridges, Griders, Pipes, Sheets, Rails M.S Bar				
10395414	Cft	3	etc or 1000 Nos Bricks 10"x5"x3" or 1000 Nos. Tiles 12"x6"x2" or 150 Cft of timber or 100 maunds of fuel wood by truck or any	502.52	% Cft	52,239	
: ·			other means owned by the Contractor including supply of earth from source to site of work				
10395414	Cft	4	Earth work compaction (soft ordinary hard soil) (b) Laying Earth in 6" layers leveling, dressing and watering for compaction etc complete	354	%0 Cft	3,679	
10395414	Cft	5	Earth work compaction sheep foot roller power roller with optimen moisture contain for 85% modified AASHQ density	1445.58	% 0Cft	15,02	
142560	Cft	7	Earth Wrok Excavation in Irrigation Channels, Drains etc dressed to design section grades and profiles excavated material disposed off and dressed within 50 ft lead (a) ordinary soil	2420	% 0 Cft	344,	
142560	Cft	8	Stone Filling Dry Hand Packed as filling behind retaining wall or in stone apron	2684	% Cft	3,82€	
427680	Sft	9	Formation dressing and preparing sub grade (b) on slope	453.75	% Sft	1,940	
884070	Cft	10	Stone Pitching including sub base with hammer dressed stone on surface laid in course including carriage of materials 5 chains	5377.63	% Cft	47,54	
2490	Hours	11	Jungle Clearance and removing with D-8K Dozer	4961	P/Hour	12,35	
		<u> </u>	DOZCI		Total Rs.	158,	

Abstract

Bill No	Description	Amount in Rs.
Bill No-1	Remodeling of Kuka Link Bund Mile 0/0 to 20/6	158,965,510
<u></u>		
	G. Total in Rupees	158,965,510

BILL OF QUANTITIES

C. Day work Schedule

General

1. Reference is made to Sub-Clause 13.6 of the General Conditions of Contract. Work shall not be executed on a day work basis except by written order of the Engineer. Bidders shall enter basic rates for day work items in the Schedules, which rates shall apply to any quantity of day work ordered by the Engineer. Nominal quantities have been indicated against each item of day work, and the extended total for day work shall be carried forward to the bid price.

Day work Labour

- In calculating payments due to the contractor for the execution of day work, the actual time of classes of labour directly doing the day work ordered by the Engineer and for which they are competent to perform will be measured excluding meal breaks and rest periods. The time of gangers (charge hands) actually doing work with the gang will also be measured but not the time of foreman or other supervisory personnel.
- 3. The contractor shall be entitled to payment in respect of the total time that labour is employed on day work, calculated at the basic rates entered by him in the Schedule of day work Rates for labour together with an additional percentage, payment on basic rates representing the contractor's profit, overheads, etc., as described below:
 - a) the basic rates for labour shall cover all direct costs to the contractor, including (but not limited to) the amount of wages paid to such labour, transportation time, overtime, subsistence allowances and any sums paid to or on behalf of such labour for social benefits in accordance with Pakistan law. The basic rates will be payable in local currency only; and
 - b) the additional percentage payment to be quoted by the bidder and applied to costs incurred under (a) above shall be deemed to cover the contractor's profit, overheads, superintendence, liabilities and insurances and allowances to labour timekeeping and clerical and office work; the use of consumable stores, water, lighting and power; the use and repair of staging's, scaffolding, workshops and stores, portable power tools, manual plant and tools; supervision by the contractor's staff, foremen and other supervisory personnel; and charges incidental to the foregoing.

SCHEDULE OF DAY WORK RATES

l. Labour

item No.	Description	Unit	Nominal Quantity	Rate (Rs) in Figure	Rate (Rs) in Words	Extended Amount (Rs.)
1	2	3	4	5	6	7
D101	Ganger	Hr	500			
D102	Labourer	Нг	5,000		. 1	
D103	Brick tayer	Hr	500			
D104	Mason	Hr	500			
D105	Carpenter	Hr	500			
D106	Steel work Erector	Hr	500			
	etc	Hr	500		· · · · · · · · · · · · · · · · · · ·	
D113	Driver for vehicle up to 10 tons	Hr	1,000			
D114	Operator for excavator, dragline, shovel or crane	Hr	500			
D115	Operator for tractor, (tracked) with dozer blade or ripper	Hr	500			
D122	Allow 35% percent of subtotal Paragraph 3(b) of Day work Sche			ub Total rhead, profit,	etc, in acco	ordance with
	Total for Day work: Labour: (Carried forward to Day work Sun	nmary)				. •
	:	٠.		•		

Day work Material

- 4. The contractor shall be entitled to payment in respect of materials used for day work (except for materials for which the cost is included in the percentage addition to labour costs as detailed heretofore), at the basic rates entered by him in the Schedule of Day work Rates for materials together with an additional percentage payment on the basic rates to cover overhead charges and profit, as follows:
- a) the basic rates for materials shall be calculated on the basis of the invoiced price, freight, insurance, handling expenses, damage, losses, etc., and shall provide for delivery to store for stockpiling at the site. The basic rates shall be stated in local currency but payment will be made in the currency or currencies expended upon presentation of supporting documentation;
- b) the additional percentage payment shall be quoted by the bidder and applied to the equivalent local currency payments made under Sub-Para(a) above; and
- c) the cost of hauling materials used on work ordered to be carried out as Day work from the store or stockpile on the site to the place where it is to be use d will be paid in accordance with the terms for Labour and Constructional Plant in this Schedule.

II. Materials

Item No.	Description	Unit	Nominal Quantity	Rate (Rs) in Figure	Rate (Rs) in Words)	Extended Amount (Rs.)
1	2	3	4	5	6	7
			-			
D201	Cernent, ordinary Portland or equivalent in bags	M:Ton	200			
D202	Mild Steel reinforcing bar up to 16mm diameter to BS 4449 or equivalent	M:Ton	100			
D203	Fine aggregate for concrete as specified in Clause	Cu: M	1,000			
D204	etc					
D222	Ge ignite (Noble Special Ge atine 60 % or equivalent) including caps, fuse, wire and requisite accessories	M:Ton	10			
D223	Allow 35% percent of subtota Paragraph 4(b) of Day work Sch To:al for Day work: Materials	nedule		Sub Total erhead, profi	t, etc., in acc	cordance with
	(Carried forward to Day work Su	mmary)			·	·

DAY WORK

Summary (Day Work)

<u> </u>		Amounts (Rs.)
(i)	Total for day work: Labour	
(ii) _.	Total for day work: Materials	
(ii)	Total for day work: Construction	nal Plant
	Total for day work (Carried forwarded to Summary Bill of Qu	uantities)

PROPOSED CONSTRUCTION SCHEDULE

Pursuant to Sub-Clause 8.2 of the General Conditions of Contract, the works shall be completed on or before the date stated in Appendix-A to Bid. The bidder shall provide as Appendix-E to Bid, the Construction Schedule in the bar chart (CPM, PERT or any other to be specified herein) showing the sequence of work items and the period of time during which he proposes to complete each work item in such a manner that his proposed programme for completion of the whole of the works and parts of the works may meet procuring agency's.

Description		Time for Completion
1) Bill-1		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:

- Organization Chart indicating head office and field office personnel involved in management and supervision, engineering, equipment maintenance and purchasing.
- 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 s

LIST OF MAJOR EQUIPMENT – RELATED ITEMS

[The bidder will provide on Sheet 2 of this Appendix a list of all major equipment and related items, under separate heading for items owned, to be purchased or to be arranged on lease by him to carry out the works. The information shall include make, type, capacity, and anticipated period of utilization for all equipment which shall be in sufficient detail to demonstrate fully that the equipment will meet all requirements of the Specifications.]

Appendix-G to Bid

LIST OF MAJOR EQUIPMENT

	Owned Purchased or Leased	Description of Unit (Make, Model, Year)	Capacity HP Rating	Condition	Present Location or Source	Date of Delivery at Site	Period of Work on Project
٠	1	2	3	4	5	6	7 7
	a. Owned						
	. To be Purchased						
			<u> </u>				
18	To be tranged on ease		•				

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

IM/e 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)	(With C	Subcontractor Complete Address)	
		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:

Qu	Amounts				
Year	(in thousands)				
	-	2			
1 st Quarter					
2 nd Quarter		. •			
3 rd Quarter					
4 th Quarter			··		
5 th Quarter			<u></u>		
6 th Quarter					
7 th Quarter				· · · · · · · · · · · · · · · · · · ·	
8 th Quarter			· · · · · · · · · · · · · · · · · · ·		
	Bid Price		· · · · · ·		

Appendix-K to Bid

ORGANIZATION CHART FOR THE SUPERVISORY STAFF AND LABOUR

(INTEGRITY PACT)

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC; PAYABLE BY CONTRACTORS.

Contract No Dated
Contract Value:
Contract Title:
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 entition 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 give 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 of 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, privileger 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 or 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 kickbackgiven by [name of Contractor] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from PA
[Procuring Agency] [Contractor]

FORMS

BID SECURITY PERFORMANCE SECURITY

CONTRACT AGREEMENT

MOBILIZATION ADVANCE GUARANTEE INDENTURE BOND FOR SECURED ADVANCE

BID SECURITY (Bank Guarantee)

Security Executed on			
Name of Surety (Bank) with Address:	(Date)		
Name of Principal (Bidder) with Address	(Scheduled Bar	nk in Pakistan)	
			· · · · · · · · · · · · · · · · · · ·
Penal Sum of Security RupeesBid Reference No	(Rs		
the request of the said Principal (Bidder) we, bound unto (hereinafter called the 'Procuring Agency') in t	·	·· <u>·</u>	
sum well and truly to be made, we bind ourse	elves, our heirs, exc	e for the payme ecutors, admin	ent of which istrators and
successors, jointly and severally, firmly by thes		4b - Didd1	
THE CONDITION OF THIS OBLIGATION IS the accompanying bid dated for Bid N	o for	as the Bidder na Particular	as submitted
the said Procuring Agency; and	101	(1 at ticular	is of Didy to
WHEREAS, the Procuring Agency has require	ed as a condition fo	or considering	said bid that
the bidder furnishes a bid security in the above	e said sum from a S	Scheduled Bank	in Pakistan
or from a foreign bank duly counter-guarante	ed by a Scheduled	i Bank in Paki	istan, to the

- (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 precuring 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.

PROVIDED THAT the Surety shall forthwith pay the procuring agency, the said sum upon first written demand of the procuring agency (without cavil or argument) and without requiring the procuring agency to prove or to show grounds or reasons for such demand,

notice of which shall be sent by the procuring agency by registered post duly addressed to the Surety at its address given above.

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

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

SURETY (Bank) WITNESS:

Signature

1.

Name

Title

Corporate Secretary (Seal) Corporate Guarantor (Seal)

2.

Name, Title & Address

FORM OF PERFORMANCE SECURITY (Bank Guarantee)

	Guarantee No
	Executed on
	Expiry date
[Letter by the Guarantor to the Procuring Agency]	
Name of Guarantor (Bank) with address:	
	(Scheduled Bank in Pakistan)
Name of Principal (Contractor) with address:	Tuttouily.
Penal Sum of Security (express in words and figure	es)
Letter of Acceptance No.	Dated
documents and above said Letter of Acceptance (he request of the said Principal we, the Guarantor abothe	we named, are held and firmly bound unto
procuring agency) in the penal sum of the amount s well and truly to be made to the said procuring agency administrators and successors, jointly and severally	cy, we bind ourselves, our heirs, executors.
THE CONDITION OF THIS OBLIGATION IS accepted the procuring agency's above said Letter o	SUCH, that whereas the Principal has f Acceptance for
(Name of	Contract) for the
(Name of Pr	oject).

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.

We,	(the Guaranto	r), waiving all objections and
defenses under the Contract, do hereby in	rrevocably and independ	dently guarantee to pay to the
procuring agency without delay upon the	procuring agency's rifs	t written demand without
(66)		
cavil or arguments and without requiring		
reasons for such demand any sum or sum agency's written declaration that the Prin	s up to the amount stated	above, against the procuring
under the Contract which payment will l		
designated Bank & Account Number.		3 3 7
DUOVIDED ALSO THAT the programs	anamay ahali badha sali	
PROVIDED ALSO THAT the procuring whether the Principal (Contractor) has d		
has defaulted in fulfilling said obligation		
sum or sums up to the amount stated al	bove upon first written	demand from the procuring
agency forthwith and without any referen	ice to the Principal or an	y other person.
IN WITNESS WHEREOF, the above-bo	unden Guarantor has ex	ecuted this Instrument under
its seal on the date indicated above, the na		
affixed and these presents duly signed by		
of its governing body.		
•	•	· · · · · · · · · · · · · · · · · · ·
** ***		Guarantor (Bank)
Witness:	Signatura	
1.	Signature	·
	Name	<u> </u>
	·	
Corporate Secretary (Seal)	Title.	
	Title	
2		
N. T. J. O. A. I.I.	porate Guarantor (Seal)	
Name, Title & Address Corp	norate Liuarantor (Soal)	

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	l in the presence of:		
Witness: Witness:			
(Name, Title and Address)	(Name, Title and Address)		

MOBILIZATION ADVANCE GUARANTEE

Bank Guarantee No	Date
WHEREAS(I	nereinafter called the 'Procuring Agency') has entered into a
Contract for	
(Particulars of Contract) with _	(hereinafter called the "Contractor').
AND WHEREAS, the Procuring	ng 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 Procurin	g 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 "Guaranto	r") at the request of the Contractor and in consideration of the
procuring agency agreeing to m	ake the above advance to the Contractor, has agreed to furnish
the said Guarantee.	
NOW, THEREFORE, the Guar	rantor hereby guarantees that the Contractor shall use the
advance for the purpose of above	e mentioned Contract and if he fails and commits default in
fulfilment of any of his obligati	ons for which the advance payment is made, the Guarantor
shall be liable to the procuring ag	ency for payment not exceeding the aforementioned amount.
Notice in writing of any default, of	of which the procuring agency shall be the sole and final judge,
on the part of the Contractor, sha	ll be given by the procuring agency to the Guarantor, and on
such f rst written demand, payme	ent shall be made by the Guarantor of all sums then due under
this Guarantee without any refere	ence to the Contractor and without any objection.
This Guarantee shall remain in fo	orce until the advance is fully adjusted against payments from
the Interim Payment Certificates	of the Contractor or until
· · · · · · · · · · · · · · · · · · ·	whichever is earlier.
(Date)	
The Guarantor's liability under the	is Guarantee shall not in any case exceed the sum of Rupees.
	(Rs).
This Cuarantee shall remain valid	d 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 payn	nent is not fully adjusted.
	GUARANTOR
	1. Signature
	2. Name
	2 Title
WITNESS	5. Title
1.	•
Cornorate Sagratamy (Sagri	_
Corporate Secretary (Seal)	,
۷.	
(Nama Title & Adding)	
(Name Title & Address)	Corporate Guarantor (Seal)

- (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 qualify or repair and make good the same as required by the Divisional Officer and the materials so brought to replace the said materials so repaired and made good shall also be considered as security for the said amount.
- (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 (he 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 or repayment and with all costs, charges, damages and expenses incurred by the Government in or for the recovery thereof or the enforcement of this security or otherwise by reason of (he default of the Contractor and any moneys so becoming due and payable shall constitute a debt due from the Contractor to the Government and the Contractor hereby covenants and agrees with the Government to repay and the same respectively to it accordingly.

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

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

Signed, sealed and delivered by:

In the presence of

1st witness

SEAL

2nd witness

CONDITIONS OF CONTRACT FOR CONSTRUCTION

PART – I: GENERAL CONDITIONS OF CONTRACT FOR BUILDING AND ENGINEERING WORKS DESIGNED BY THE EMPLOYER

Multilateral Development Bank Harmonised Edition March 2006

General Conditions

This publication is exclusive for use as provided under a Licence Agreement between a Participating Bank and FIDIC, and, consequently, no part of this publication may be reproduced, translated, adapted, stored in a retrieval system or communicated, in any form or by any means, whether mechanical, electronic, magnetic, photocopying, recording or otherwise, without prior permission in writing from FIDIC. To request such permission, please contact: FIDIC, Case Postale 311, CH-1215 Geneva 15, Switzerland; Tel. +41 22 799 49 00; Fax +41 22 799 49 01; E-mail: fidic@fidic.org. FIDIC is not responsible for the accuracy or completeness of translations of this publication unless such translation explicitly indicates otherwise.

FEDERATION INTERNATIONAL DES INGENIEURS-CONSEILS INTERNATIONAL FEDERATION OF CONSULTING ENGINEERS INTERNATIONALE VEREINIGUNG BERATENDER INGENIEURE FEDERACION INTERNACIONAL DE INGENIEROS CONSULTORES



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

FIDIC CASE POSTALE, CH-1215 Switzerland:

Tel: +41 22 799 49 00; Fax: +41 22 799 49 01 E-mail: fidic@fidic.org.

Definitions listed alphabetically

1.1.4.1	Accepted Contract Amount	1.1.4.7	Interim Payment Certificate
1.1.2.11	Bank	1.1.6.5	Laws
1.1.3.1	Base Date	1.1.1.3	Letter of Acceptance
1.1.1.9	Bill of Quantities	1.1.1.4	Letter of Tender
1.1.2.12	Borrower	1.1.4.8	Local Currency
1.1.3.2	Commencement Date	1.1.5.3	Materials
1.1.1.1	Contract	1.1.2.1	Party
1.1.1.2	Contract Agreement	1.1.4.9	Payment Certificate
1.1.1.10	Contract Data	1.1.3.8	Performance Certificate
1.1.4.2	Contract Price	1.1.6.6	Performance Security
1.1.2.3	Contractor	1.1.5.4	Permanent Works
1.1.6.1	Contractor's Documents	1.1.5.5	Plant
1.1.5. 1	Contractor's Equipment	1.1.4.10	Provisional Sum
1.1.2.7	Contractor's Personnel	1.1.4.11	Retention Money
1.1.2.5	Contractor's Representative	1.1.1.7	Schedules
1,1.4.3	Cost	1.1.1.9	Schedule, Payment Currencies
1.1.6.2	Country	1.1.5.6	Section
1.1.2.9	DB	1.1.6.7	Site
1.1.3.9	day	1.1.1.5	Specification
1.1.1.§	Daywork Schedule	1.1.4.12	Statement
1.1.3.7	Defects Notification Period	1.1.2.8	Subcontractor
1.1.1.€	Drawings	1.1.3.5	Taking-Over Certificate
1.1.2.2	Employer	1.1.5.7	Temporary Works
1.1.6.3	Employer's Equipment	1.1.1.8	Tender
1.1.2.6	Employer's Personnel	1.1.3.6	Tests after Completion
1.1.2.4	Engineer	1.1.3.4	Tests on Completion
1.1.2.10	FIDIC	1.1.3.3	Time for Completion
1.1.4.4	Final Payment Certificate	1.1.6.8	Unforeseeable
1.1.4.5	Final Statement	1.1.6.9	Variation
1.1.6.4	Force Majeure	1.1.5.8	Works
1.1.4.6	Foreign Currency	1.1.3.9	year
1.1.5.2	Goods		-

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.

8.3 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)

8.11 Prolonged Suspension

Replace 84 days by 120 days.

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"

14.1 The Contract Price

Sub-para (d) is deleted.

14.2 Advance Payment

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

Mobilization Advance/Advance Payment

- (i) Mobilization advance up to 10 % of the Contract Price may be paid by the procuring agency to the Contractor on the works costing Rs2.5 million or above on following conditions:
 - a. on submission by the Contractor of a mobilization advance guarantee for the full amount of the advance in the specified form, from a Scheduled Bank / Insurance Company in Pakistan (AA Rated), acceptable to the procuring agency;
 - 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; (94)
 - (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;
 - (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 Eid, then the procuring agency shall be entitled to:

- 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 PACRAVJCR 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
- (a) 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 reenactment thereof for the time being in force.

The place of arbitration shall be in Sindh Province.

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 Gonditions, 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.

Parties and Persons

1.1.2.1

"Farty" means the Employer or the Contractor, as the context requires

122

"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's 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].

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*Bar k" means the financing institution (if any) named in the Contract Data.
- 1.1.2.12
 "Bor ower" means the person (if any) named as the borrower in the
 Contract Data.
 1.1.3

Dates, Tests, Periods

and Completion

1.1.5.1
"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].
- 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

Sub-Clause

Works

supply of Plant, Materials or services under

or for the

13.5 [

Sums 1.

Provisional

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.
- 1.5.6 "Section" means a part of the Works specified in the Contract Data as a

Section (if any).

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 calculations.

1.1.6.1 "Contractor's Documents" means the

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].

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:

- (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.

TABLE OF CONTENTS

PART II - SPECIAL/PARTICULAR CONDITIONS OF CONTRACT

Clau	se Title Page	
1.1 3.1	Definitions 145 Engineer"s Duties and Authority	
4.3 Cc	ntractor's Representative	
6.10	cords of Contractor's Personnel and equipment	14
	cords of Contractor of Cisomor and equipment	14
7.9 Us:	e of Pakistani Materials and Services	14.
8.1 Co	mmencement of Works	
8.11	Prolonged Suspension	14:
8.3 13.1 13.3 13.8 14.1	Programme Right to vary Variation procedure Adjustment for changes in cost Contract Price	
14.2 14.5 14.8 15.2 15.6 16.4 17.3 18.1 19.6	Advance Payment Plants and Materials intended for Works Delayed Payments Termination by Employer/Procuring Agency Corrupt and fraudulent Practices (Integrity Pact). Payment on Termination Employer"s/Procuring Agency"s Risks General Requirements for Insurance Optional Termination, Payment and release by the Employer	
20.1 20.2 20.3 20.4 20.5 20.6 20.7	Contractor's Claims Appointment of the Dispute Board / Notification of the Committee Failure to agree on the composition of the Dispute Board. Obtaining Dispute Board's Decision Amicable Settlement. Arbitration Failure to comply with Dispute Board's Decision	

APPE

NDIX. General Conditions of Dispute Board Agreement

Annex PROCEDURAL RULE

PART II - SPECIAL /PARTICULAR CONDITIONS OF CONTRACT

1.1 Definitions

- 1.1.1.4 "Form of Bid" is synonymous with "Letter of Tender".
- 1.1.1.5 "Bid" is synonymous with "Tender".
 - 1.1.1.10 "Bidding" is synonymous with "contract".

The following paragraph is added:

1.1.1.11"Programme" means the programme to be submitted by the contractor in accordance with

Sub-Clause 8.3 and any approved revisions thereto.

- 1.12.2 "Employer" is synonymous with "Procuring Agency" 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 authorised 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 Rs2.5 million or above on following conditions:
- a. on submission by the Contractor of a mobilization advance guarantee for the full amount of the advance in the specified form, from a Scheduled Bank in Pakistan, acceptable to the procuring agency;
- b. contractor shall pay interest on the mobilization advance at the rate of 10% per annum on the advance; and
- (i) 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;

- 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;
- 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;
- 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;
- 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;
- The sum payable for such materials on site shall not exceed 75 % of the (i) landed cost (vi) of imported materials, or (ii) ex-factory / ex-warehouse price of locally manufactured or produced materials, or (iii) market price of stands other materials;
- Secured Advance shall not be allowed unless and until the previous advance, if any, is fully recovered;
- Detailed account of advances must be kept in part II of running account bill or a separate statement, and
- Secured Advance may be permitted only against materials/quantities anticipated to be (ix)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.

Recovery of Secured Advance: (H)

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);

Delayed Payment 14.8

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.

Termination by Employer 15.2

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):

13.1 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 there of 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,

Bank and donor's programme except the place of arbitration shall be, in Sirdh

Province.

Annex PROCEDURAL RULES

Procuring Agency can retain these rules with or without changes, in case of contracts under

Project, Bank and donor's programme.

PART II -SPECIAL/PARTICULAR CONDITIONS OF CONTRACT

INDEX	
Adjustment for changes in cost	CLAUSE
13.8 Advance Payment	
Amicable Settlement.	14.2
20.5 Appointment of the Dispute Board / Notification of the Committee 20.2 Arbitration	
20.6 Commencement of Works	
Contractor's Representative	8.1
Contractor's Claims	4.3
Contract Price	20.1
Corrupt and fraudulent Practices (Integrity Pact).	14.1
Definitions	15.6
Delayed Payments	1.1
Employer's/Procuring Agency's Risks	14.8
17.3 Engineer's Duties and Authority	

Expiry of Dispute Board"s Appointment

Failure to agree on the composition of the Dispute Board.	20.
Failure to comply with Dispute Board"s Decision	20.
General Conditions of Dispute Board Agreement	20.
General Requirements for Insurance	Appendix
Optional Termination, Payment and release by the Employer	18.1
Obtaining Dispute Board's Decision	19.6
Payment on Termination	20.4
Plants and Materials intended for Works	15.6
PROCEDURAL RULES	14.5
Prolonged Suspension	Annex
8.11 Programme	
8.3 Records of Contractor"s Personnel and equipment	
Right to vary	6.10
Termination by Employer/Procuring Agency	13.1
Use of Pakistani Materials and Services	15.2
Variation procedure	7.9
	13.3

SPECIFICATIONS

DRAWINGS

								—
						COVT. OF SAIDH	BUND	SCHATISE DATE
						MOCATION & POWER DEPARTMENT GOVT, OF SHUR	X-SECTION OF KUKA BUND AT MIK 0/0	SQUARE QUDIT SCUARE DIRE
						KROCATION & PO	CARCA	COMESCIONTS NAME (ENGL)
	AT Mije 0/0							
							rathow.	
	VOF KUKA BUND			10.75	58°4¢		Rahispat Arex	· ·
· -		78° 78' 78' 78' 78' 78' 78' 78' 78' 78' 78'	1	36.26	00.01			
	X-SE(275	000	25.5L 18.2E	0000			
		56.7 6	2371 -] - ;	00.TI-	·		
				<i>£</i> 5 '82	26.80			٠.
		73-415	∠8 '1 0 ~	38"45		Į.	-	
-	ELEVATION	NEDVICED LEVEL	DISTANCE	PEDUCED LEVEL	OKSTANCE	<u>HOYES</u> ALL DIADISIONS ARE IN FEET	LEGENO ENSING CROSS SCITION POST SIMPLY CROSS SCITION	TATI STEATS TOU
<u> </u>		NOIS		DNIT		ALC DA	LEGENO EXISTING CA POST SURVE	15 TAG

:

i .

;

				WT. OF SWIDH UND SCHOOLEE DATE
				WER DEPARTMENT CO
	AT Mile 1/4		14.15 00	FRECATION & PC X-SEC
			94 271¢	in The May
41 -	S0.04 80.04	60.77	0.5.	00
*	X-SECT 80.04	80.KL 00.	27.22 00.0 21. 31.42 00.5	
		25.82, #9.	01.82 00.0	
•				
	ELEVATION	RETAXED (EVEL	HENKZEDLEME.	EDISTONS ARE IN F
1		DESIGN	DNITRIX	MUTES ALL OW CESTING DOSTRAG POST SET FULL SA

X-SECTION OF KUKA BUND AT Mile 2/4 170.52				TRESCATION & POWER DEPARTMENT GOVT, OF SWICH	ALEN X-SECTION OF KUKA BUND ALEN	COPELLYMIS INME SCHOOL
X-SECTION OF KUR 170.52	39°		1870 8270 1870) TE -	N	
NOITAVELE NOITAVEL NOITAVELE NOITAVEL NOITA	DEDICACED LEYEL	DASTANCE EAST.	REDUCED LEVEL	ARE IN FEET	District Cross Section Coston Cross Section Post Survey Cross Section	SUPPLY IEVEL

	Se.36	23.86. 24.85. 17.26.		28.01 21.48	00.01 00.01 00.01	0.133	AT MILE 3/0 CONSCIONOS WAR SOMMER CHEM STANDED DEF	Christian Constitution Constitu
•	E LEVATION	Z IN OXXID LEVEL	USTANCE	O HEDKEDLEVEL	S DESTANCIE	HOTES. ALL DIADESONS ARE IN TEET	COSTINC CROSS SCITION DESCRIPTO CROSS SCITION FOST SURVEY CROSS SCITION FOST SURVEY CROSS SCITION FOST SURVEY CROSS SCITION	

•						PROGATION & POWER DEPARTMENT GOVT, OF SMOH	X-SECTION OF KUXA BUND AT Mile 3/4	WAS SCHARE GEN SCHARE DATE
	X-SECTION OF KUKA BUND AT Mile 3/4 168.15	34.12	1	un	0000	1, 55, 0	cham	SCHEST UNITS
		28.40	56,84_	25.40 25.40	21.64- 00.24- 00.35- 00.05-	3E IN PRET	AN A	
	ELEVATION	Z REDUCED LEVEL	D INSTANCE	G HEDOCED LEVEL	XX DR37ANCE	HOTES ALL DIMENSIONS AFE IN FEET	LEGEND: ONSTANCE CHICAS SECTION (CENDID CHICAS SECTION POST SURMAY CHICAGOS SECTION	DAI SUPER JUST

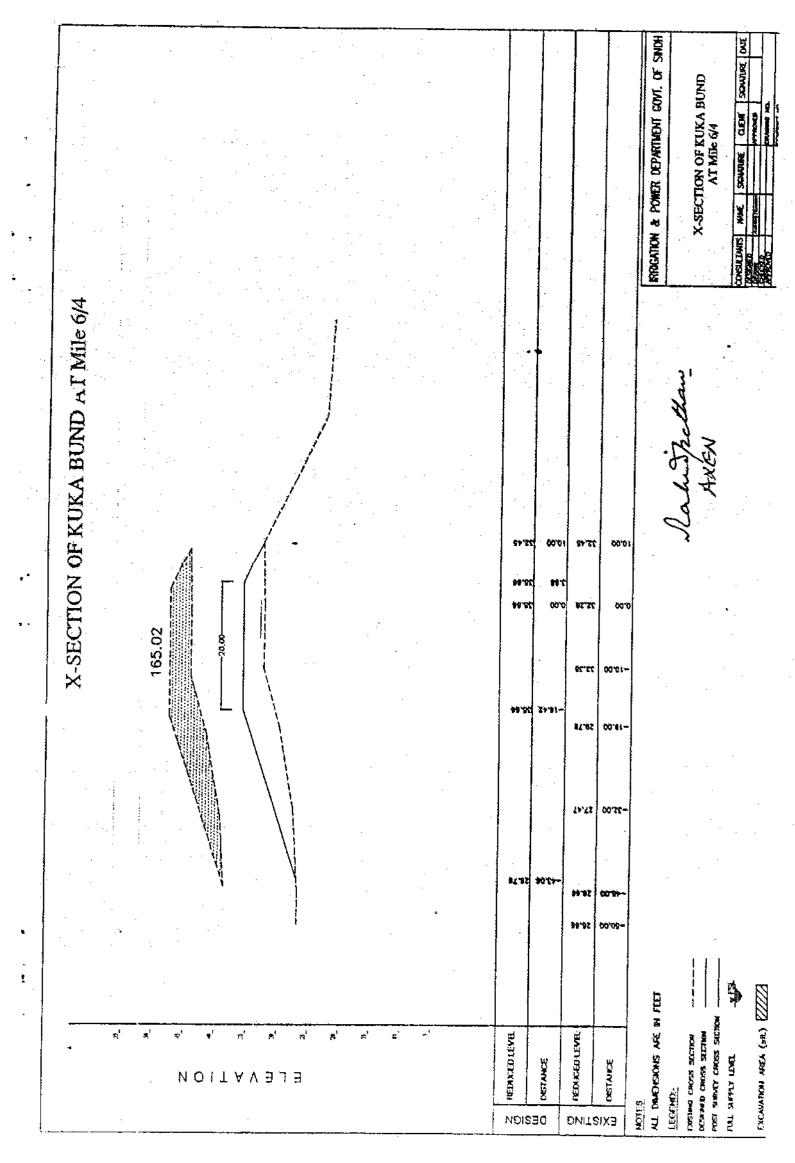
															•					
												1				-			.	
	***************************************						X-SE	X-SECTION OF KUKA BUND AT Mile 4/0	NOF	KUK	A BU	NDA	T Mil	e 4/0						
	····				· .	:				· ·		. !								
	\$ 5					:					. • • . • •	1.1	<u>.</u>	* (2°					•	
	 .						111.51	_			٠.		·. ·			.*				
14 (ķ.		. /		٠					Ā		-							• .	
, I Y				4	V			20.00			· · .									
	A V ;				\	/				/				. ·	· .				. ⁻	
۔ ا ہ			1	1	\	\	•			, ·	/	٠.							•	 -
							• * * .							1						<u> </u>
	Ŗ.										· · · · · · · · · · · · · · · · · · ·						·			-
	ã.		_										· · ·	÷.				•		 -
	<u>e</u> '												· . ·	•	· :					-
· 	*1										٠.									
													· · .							<u></u> .
NED!	REM IZED LEVEL			29.41			56.80	56.30	34.32	50.05		-								<u> </u>
	DISTANCE			cc.cc-			08,51-	0000		00.51										
DNIT	REDUCED LEVEL	-	28'41	14.41		1000	72.44	27:26		2016		91,42								
	DISTANCE		-4700	-7700	00.pz-	00'12-	00.51	0000		0071		ध्यस								
MOTES.	NOTES											,			IRRICAL	IRRIGATION & PON	MER DEPAR	POWER DEPARTMENT GOVT. OF	7. OF SE	E S
TEGENO.	The same	7								0	4	7	m							
SO CHARGED CAS	COSTAND CROSS SECTION (COSTAND CROSS SECTION (COSTAND CROSS SECTION (CROSS CROSS CROSS SECTION (CROSS CROSS CRO									7	Axe	\ \z	1	· · · ·		X-SEC	TION OF	X-SECTION OF KUKA BUND AT Mile 4/0	QN	· · · · ·
TWIT CHARLE TRO	TWIT											•			CONCRETANTS	HTS WIFE	SOMERE	CUENT	SCHURE	330
									1						CHOKE			Comment on		Τ

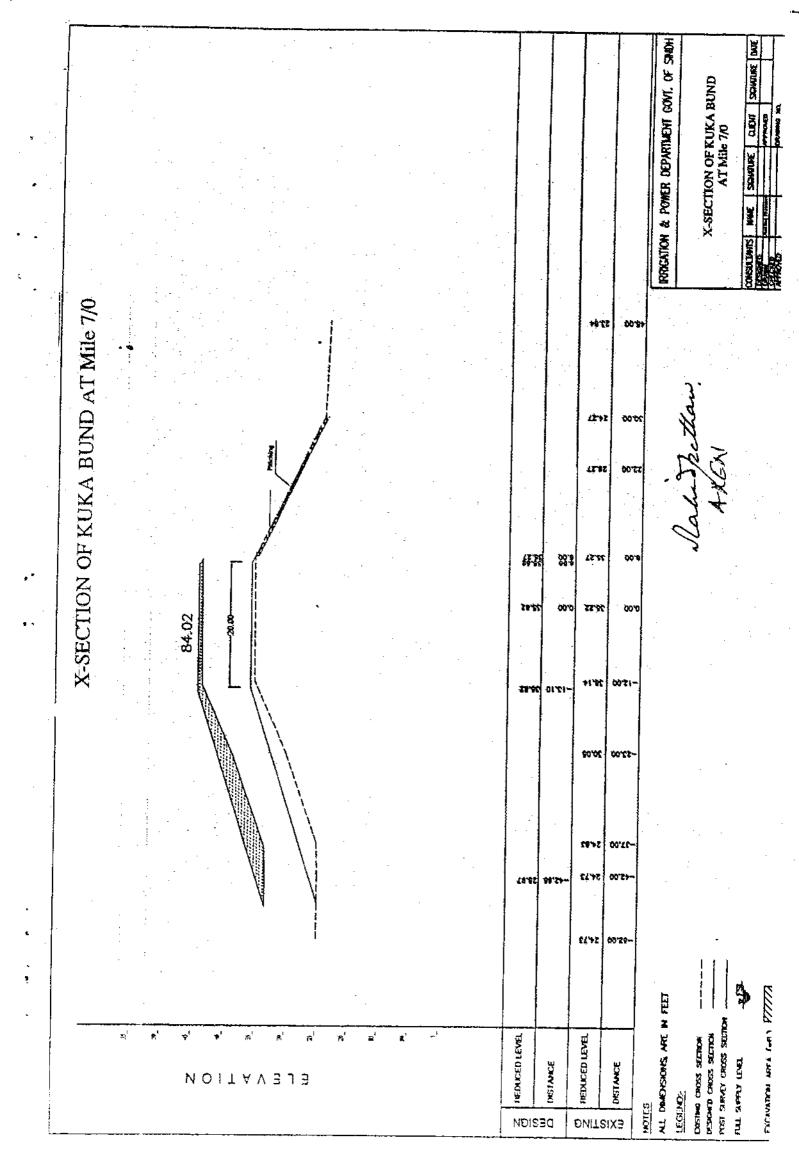
ROBGATION & POWER DEPARTMENT COVT. OF SMOH SICHAURE CLEUT SICHAURE DUT X-SECTION OF KUKA BUND AT Mile 5/0 X-SECTION OF KUKA BUND AT Mile 5/0 86,8\$ 26.48 00.0 13.84 0000154.92 19700 M,M \$\$.00 JO.55 £0.75 00.2E 92.25 00.54 \$27.50 94,85 00.56-ALL DINENSIONS ARE IN FEET POST SUPPLY CROSS SUTION EXERNA CROSS SECTION DESIGNED CROSS SECTION REDUCED LEVA. PEDUCED LEVEL ALL SPRIT ING. DESTANCE (XSTANICE ELEVATION (EGC) OF NOTES DERIGN EXISTING

ļ		•												÷	•	•			
							×	SECTI	O NO	FKU	KA BU	IND A	X-SECTION OF KUKA BUND AT Mile 5/4	5/4					,
	*	:					;	; ;	٠.			. :			. :				
	.						÷ 7	143.15		•		:				**: :-:			
	* • NO					1				A	· · .		· .					•	· -
	I Τ Α V , ^{∞,}					\		20.00		1				· · · · .	·			· ·	: :
	, , 373		/.				•			/						· · · · · · · · · · · · · · · · · · ·			
		<u> </u>	\	i !						•			. - - -	. •					
 -	₽,													•					. •
	Đ ¹										· .						·		
	**	·					-				•		:			· •			
										•				· · · ·					
N:	INCONCIED LEVEL		LIE				1#		ja. ja.	**									
ERIC)				0 29		22	n									
a	DESTANCE		·**				(7 1=		270	90'8						·			
DNIL	INDVICED CEVEL	ſē, ÷ \$	\$6.61	ļ		स्यू			+6.66	27'48	#8.75	99°22	10.11						
EXIS	PRSTANCE	\$4.65-	-47'06	90.at-		00:81-	06.11-			1000	18'60	00.00	10'04						
MAT DRA	HOTES AL DIABISIONS ARE IN FEET	W PEET									,				REGUTOR	REBEATION & POWER DEPARTMENT GOVT. OF SWICH	DEPARTME	UT GOVT. 0	HONES A
E C	LECENO.	!								•	lake	of the	thon.						
9 8	PUST SURVEY CHOOSE SECTION	1			•					٠	* X	Z				A-SECTION OF KUKA BUND AT Mile 5/4	T Mile 5/4	KA BUND	
<u> </u>	THE SHAPE THE														CONGUCANTS	NAME SOO	SICHATURE CLI	CLEDIT SCHAUE	UNE DOT
													•	- .	t gazaga	<u>-</u>		1	

2	X-SECTION OF KUKA BUND AT Mile 6/0 148.45	7.45 0.71. 00 35.71 00 35.81	26.00 26.24 26.00 32.81 26.00 32.82 26.00 32.82 26.00 32.82	-
	2 2 2 2 2 2 2 4 2 2 4 4 5 4 5 4 5 4 5 4	TEVEL	### OO.86-	M FEE

ŧ





X-SECFION OF KUKA BUND AT Mile 7/4 24.44	erae at	78'98	-22.30	AXEN SHUMS AYEN SHUMD AYEN DEPARTMENT GOVT, OF SHUM X-SECTION OF KUKA BUND AYEN STATES AT MILE 7/4 CONSULTANTS HAVE SCHAME GART SCHAME DATE OF STATES AND
ELEVATION	SOUCCD LEVE.	DISTANCE IEVRE	OKTANCE FS	ALL DIALDISONS ARE IN FEET LECTION. DOSING CHOSS SECTION FESALAR CHOSS SECTION FOST SMRCY ORGES

AT Mile 8/0				MORGATION & POWER DEPARTMENT CONT. OF SMEH X-SECTION OF KUKA BUND AT Mile 8/0 CONCUDINTS NIME SCHWING CLEM SCHWING DATE CONCUDINTS NIME SCHWING CLEM SCHWING DATE CONCUDINTS NIME SCHWING CLEM SCHWING DATE CONCUDINTS
X-SECTION OF KUKA BUND A	66.12	08.45 50.15- 08.45 20.01-	1600 27.88	San
		16.22 29.24-	£7.25 00.49-	FEET
4	ELEVATION	FEONCED LEVEL GG DISTANCE	REDUCED LEVEL REDUCED LEVEL REDUCED LEVEL REDUCED LEVEL	AL DIAGNSONS ART IN FEET LEGEND. DOSING CHOSS SECTION FOR SIGNAL FOR SIGNAL FOR SECTION FOR SIGNAL FOR SECTION FOR SIGNAL FOR SECTION FOR SIGNAL FOR SIGNAL FOR SIGNAL FOR SIGNAL FOR SIGNAL SIGNAL FOR SIGNAL F

با																			
		a' , 9	· · · · · · · · · · · · · · · · · · ·					X	X-SECTI		ON OF KUKA BUND AT Mile 8/4	A BUN	DAT	Mile 8	4				-
		•	·		· .	,		58.42											
		ereny					<u> </u>	30,00			Poiding								
		' &' e'	, 										1						
····		<u>a</u> l w									•		·						
																	:		
	NDIS	TECHNOLED LEVEL		\$4.45			6176	GL'74	182	701									
		DISTANCE		98.08-			35.15 -	r +e-11-	,00 ,1,34										
	ÐNI∐:	PETXKED LEVEL	5442	\$ 9*4 2		\$6,75				0 89751	***		64.1						
		DESTANCE	90.66-	007+-		00717-	00.63~	00.X1-		000	* ***		2 000	. •					
≍। ব	HOTES AL DA	AL DARBSONS ARE IN FEET	100										•		屋	RRIGATION & POWER DEPARTMENT GOVT, OF	OWER DEPAR	TIMENT GO	7. OF SHIDH
<u> </u>	DOSTING CO	LEGENO:- EXCENCE CROSS SECTION DESCRIPTO CROSS SECTION POST SURMY CROSS SECTION									Sah	he The	than			X-SE	X-SECTION OF KUKA BUND AT Mile 8/4	XUXA BI	CNI
<u> </u>	9T 308	THE THE PART THE	*							•					8 4 5	ELLIMITS NAME	Sectione	ELECTED TO THE PROPERTY OF THE	SICHATURE DATE
												:				-		Distance no.	

•

0F KUKA BUND AT Mile 9/0 74.19 200 1	ALLE TABLE TO BE THE SCHOOL OF RUKE DEPARTMENT COVE. OF SHIPM X-SECTION OF RUKA BUND AT Mile 5/0 ONESTUMES OF SCHOOL OF RUKA BUND AT Mile 5/0 ONESTUMES OF SCHOOL OF RUKA BUND AT Mile 5/0 ONESTUMES OF SCHOOL OF RUKA BUND AT Mile 5/0 ONESTUMES OF SCHOOL OF RUKA BUND AT MILE 5/0 ONESTUMES OF SCHOOL OF RUKA BUND AT MILE 5/0 ONESTUMES OF SCHOOL OF RUKA BUND AT MILE 5/0 ONESTUMES OF SCHOOL OF RUKA BUND AT MILE 5/0 ONESTUMES OF SCHOOL OF RUKA BUND AT MILE 5/0 ONESTUMES OF SCHOOL OF RUKA BUND AT MILE 5/0 ONESTUMES OF SCHOOL OF RUKA BUND AT MILE 5/0 ONESTUMES OF SCHOOL OF RUKA BUND AT MILE 5/0 ONESTUMES OF SCHOOL OF RUKA BUND AT MILE 5/0 ONESTUMES OF SCHOOL OF RUKA BUND AT MILE 5/0 ONESTUMES OF SCHOOL OF RUKA BUND AT MILE 5/0 ONESTUMES OF SCHOOL OF RUKA BUND AT MILE 5/0 ONESTUMES OF SCHOOL OF RUKA BUND ONESTUMES OF SCHOOL OF SCHOOL OF RUKA BUND ONESTUMES OF SCHOOL OF SCHOOL OF SCHOOL O
X-SECTION OF KUKA BUND AT Mile 9/0	\$4.45 00.46- \$5.45 00.41- \$6.45 00.81- \$6.45 05.4- \$6.45 00.0 \$6.45 00.0 \$6.45 00.0 \$6.45 00.0
NOITAV∃J∃ z, *, *, *, *, *, *, *, *, *, *, *, *, *,	HEDNOED LEVE OF THE CONTRANCE NOTES ALL DIAD'SHOWS ARE IN FEET LEGENCY. DESING CONTRACTOR POST SURVEY CONTRACTOR OF SURVEY CO

	X-SECTION OF KUKA BUND AT Mile 9/4	68.93		\$6.41 \$5.00- \$7. \$6.47 \$9.05-	2 00.0 2 00.73	ALEN X-SECTION OF KUXA BUND X-SECTION OF KUXA BUND ALEN ONSULWIS HAVE SENGURE CLEAT SCHOOLE DATE OF THE SENGURE CLEAT SCHOOLE DATE OF THE STATE OF THE SENGURE CLEAT SCHOOLE DATE OF THE STATE OF THE
•	ş; 3 .	NOITAVBJB	p,	·	A XISTING ENTRY EN	LEGISIONS ARE IN FEET ALL CALLOGOUS ARE IN FEET DESIRE CHESS SECTION FOOTS FOOTS SECTION FOOTS SECTI

. • •

	RESIGNIDITE & POWER DEPARTMENT GOVT. OF SRICH X-SECTION OF KUKA BUND AT Mile 1000 AT Mile 1000 COMMUNITY RAWE STEMMENT CLICHT STEMMENT DATES OF THE STEMMENT CLICHT STEMMENT OF THE STEMME
ON OF KUKA BUND AT Mile 10/0	\$6.52 00.0 84.22 00.0 \$6.52 00.05 \$1.82 00.05 \$1.82 00.05
X-SECTIO	\$0.55 00.56- \$0.85 81.85- \$0.85 00.15- \$0.55 75.7-
NOITAVELE NOITAVELE NOITAVELE NOITAVELE NOITAVELE NOITAVELE	AL OMDIES ALL OMDIES SCHOOL COSTINGE ALL OMDIES SCHOOL FOR SUMPY LEMI THE

X-SECTION OF KUKA BUND A I Mile 10/4 70.49	o	#35 0000 #35 55.#	28.00 28.00 28.00 28.84 28.00 28.84 28.00 28.84	Mahaman Shellaw X-SECTION OF KUKA BUND	CONSULTANTS FAME SEAMONE COEM SEAMONE FOUR
MOITAVAJA v. v. v	2 1	PEDUCED LEVEL 3.4. DISTANCE 74.	7 7 7 6 DAY CO ED LEYEL X 25 25 25 25 25 25 25 25 25 25 25 25 25	ALL DAMENSTONS ARE IN FEET LEGEND: DOSTING CHOOSE SECTION	PUST SUPPLY UND SECTION

MOTES ALL DAMERSONS ARE IN FEET LIGGEND. DOSTNER CHOSES SECTION WAS SECTION WA	X-SECTION OF KUKA BUND AT Mile 11 X-SECTION OF KUKA BUND AT Mile 11 22.00 22.77 22.00 20.00 22.77 22.00 20.00 20.00 23.00 20.00 24.00 25.00 2	-20.00	Salus Fretham. ANEN	CONSULTATION STATE SCHOOL SCHO
, , , , , , , , , , , , , , , , , , ,	MEDICED LEV A TION	OKSTANCE ES DUEDICONS ASS IN E	¥ §	

		· · · · · · · · · · · · · · · · · · ·					OM. OF SWOH	BUND	SSWINE DATE
							REDISATION & POWER DEPARTMENT CONT. OF SINCH	X-SECTION OF KUKA BUND AT MIE 11/4	WALE SCHALINE CLEDIT CHENGER CTENTON
4					er e	00.88	IRBBCATION 4	*	CONSTITUTION OF STREET
N OF KUKA BUND AT Mile 11/4					21.41	26.00	*	than the same of t	
KA BUIND					3410	\$4'00	192	AXEX	
OF KUF			61 FE 63	લ્ક્સ્ટ ો	24.42	10.00		3	
			75.45	9 9 70	06.52	0000			
X-SECT		·	22.43	10.01-	25.00	- 10'00			
					38°44				
			1875	-29°95		00.82- 00.82-			
					1772	D0:08-		•	
			-				FEE7	1	4
NOITA 2, 2, 2, 5, 8, X	•		REDVICED LEVEL	DESTANCE	PEDUCED LEVEL	DESTANCE	MOTES MI. DAMDISIONS ARE W FEET	Chillied Chocs section Children Chocs section Children Chocs section	TALL SUPPLY ISBE.
			NOIS		ÐΝΙΤ:		MOTES ALL DIAMO	Existing Officially POCT sign	JATE TIAL

						SOVI, OF SWOH BUND SCHUND SCHUND
						X-SECTION OF KUKA BUND AT MILE 12/0 DHSULMIS NWE STORME QUOS STOWNER DOE
2/0				મથ	200-25	#398CATION &
ON OF KUKA BUND AT Mile 12/0				19781	20.90	Man
JKA BUNI				01,35	50732	langi
OF KI	-	103	ig of bi	r.cc	10.00	3
	8002	DI"	2000	iriç	00.0	
X-SECTI		דום	.c 62.01-	*C.SC	00701-	
				56.89	00,15-	
	7.4			ea ot	00.56-	
		50.4	1 50.54-	\$1.05	00 78+ ~	
						+ FEET
Sp. 1	ELEVATION	REDUCED LEVEL.	DISTANCE	FETSAICED LEVEL	DETANCE	HOTES ALL DIMDISIONS ARE IN FEET LEGISION. FUSTING GOOSS SECTION POST SURVEY GOOSS SECTION POST SURVEY GOOSS SECTION POST SURVEY LIVE
		SN	DESIG	DMIT	SIXE	ALL DIND LEGISTON FUSING OF POST SUMM POST SUM

	S6.20 S6.20			20.25 20.25	2 000	INSECULIA	Mah Thethan	SUM/TINSACO
•	NOITAVAJA s, s, s, s, v, s, s, s, s,	REDUCED LEVEL	DISTANCE	FEXICEDIEVE.	OISTANCE	MOYES ALL DIADISIONS ARE IN FEET	DOSTING CHOSS SECTION	FUST SUPPLY LINES SCITION

							HOSEATION & POWER DEPARTMENT CONT. OF SHIDH	X-SECTION OF KUKA BUND AT Mik 13/0	SOUTHER CLOST SOUTHE DAT
				777	CP.73	28.00	HOGGATION & POWER	X-SECTION AT	CONSULTANTS NOME SEA
BUND AT Mile 13/0					29.62 18.63	00,55	in the second		
CUKA BUND					18792	\$1106	Jahi Fred	Axen	
CTION OF KUKA	11.51	•	00°1		21.29 MH	000			
X-SE(61e		29.52	>8.81- 00.8-			
					86.65	00,15-	2 4		
					79'1	- 12'00			٠
	E C E V A T I O N	g' 23' g' √'	REPURED LEVEL	DESTARCE	REDUCED LEVEL	DKSTANCE	NOTES AL OMEDISIONS ARE IN FEET LEGEND:	DESIRING CHOSS SECTION RESILIED CHOSS SECTION PUSS HUMAY CHOSS SECTION	TASI AWAR IN
				DISEG	DNITS		NOTES AL DAVE	OSCINES SSCREEN SSC 1833	AL '43,

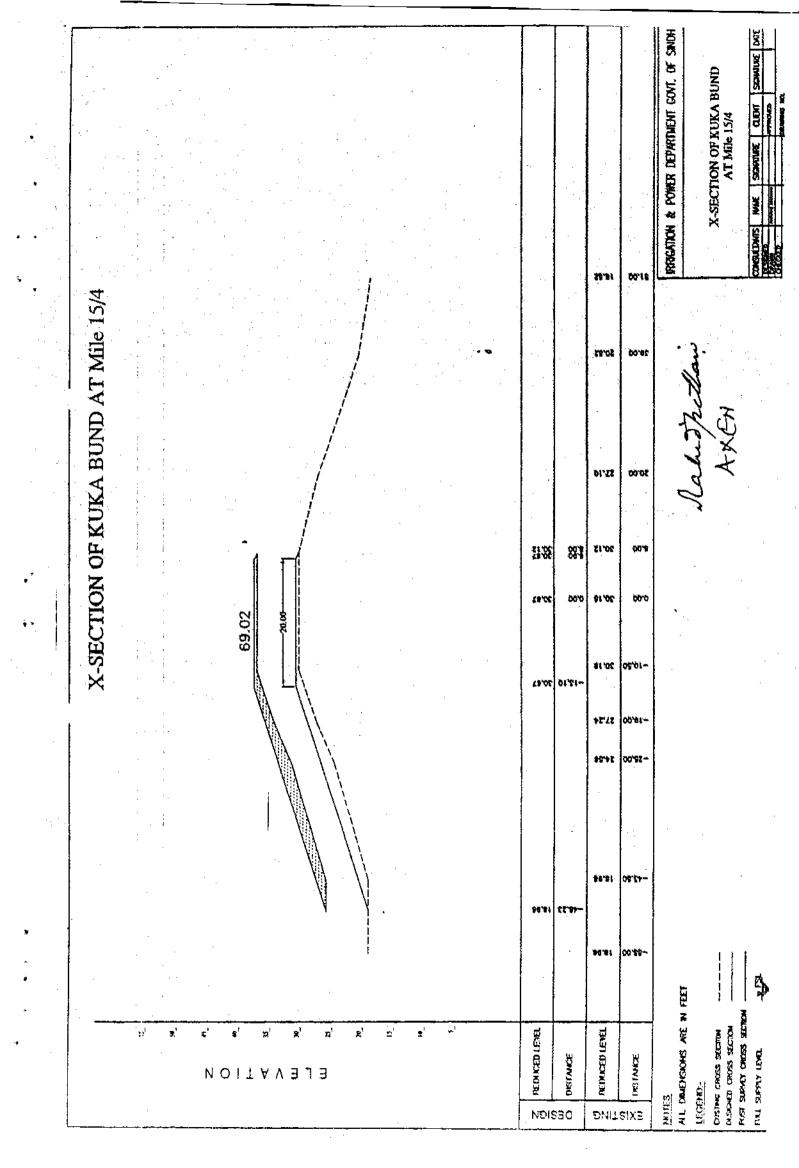
ž

	4	REDICATION & POWER DEPARTMENT GOVT, OF SMOH X-SECTION OF KUXA BUND AT Mile 13.4 CONSELIANTS WARE SCOWDINE QUENT SCOWDINE DATE REGISTER AND SCOWDINE CONTROLLED DATE REGISTER AND SCOWDINE CONTROLLED DATE REGISTER AND SCOWDINE DATE REGISTER A
•	TON OF KUKA BUND AT Mile 13/4	26.00 26.05 26.05 8.00 26.62 8.00 30.32 8.00 30.32
•	X-SECTI(E8,15 TG.LA- 81,25 CO.8C- 14,45 CO.8S- 5C.16 88,51- 9C.75 CO.81-
	ELEVATION ELEVATION	TREDUCED LEVEL TRED

No.	Ĺ			s į	•			•					. .	•	•	
### ### #### #########################							C-SECT		F KUF	CA BUN	DAT	Mile 1	4/0			
ENVOCOLEVEL ENVOC		• :					46.	900								
EDUCEULEVEL EDUCEULEVEL ELISONE NEE N FEET CONTACT CO	NDIS	EN3) CECKEN		12.05			21,10	21'10	\$1°98							
ENCEDIEVEL EINSONS ANE N FEET CONS SCHOOL 10.00 20.21 CONS SCHOOL 10.00 20.21 AND CHOOS SCHOOL 10.00 AND CHOOL 10.00 AND CHOO	30	(NESTANCE	•••••	2LT7-			30-11-	200	0000							
EUKSONS ARE IN FEET CHORS SCHOOL AT THE THE THE THE THE THE THE THE THE TH	DNITS	PEDUCED LEVEL		12.05	28.41		orot	+c.0c	78.00	62.93	MASS	10.01				
CHESTONS ARE IN FEET CHESTS SECTION CHESTS SECTION CHESTS SECTION CHESTS SECTION CHEST SECT	EXIS	DISTANCE	00°19'-	00"19-	D0.14	00,1 <u>5</u> -	00'01-	000	00001	00.11	9010	90.2				
Malu Speller.	Tick	S. INVENSIONS ARE I	N FEET	-			7.00			:		1		ATION & POWER DEP!	NETACNT GOVT, OF	HON.S.
COESUTANTS WAVE SICKUTARE GLEDIT	LEOC Consign	G CROSS SECTION OF CROSS SECTION							Z	ahe 7 XXA	rethe	J_j	<u> </u>	X-SECTION OI	F KUKA BUND	
	PAL 3	BAN SCHOOL THERE							· · · · · · · · · · · · · · · · · · ·				800	TANTS WAVE SCHOOLS	C CLEM SICHURE	20

No.		-			,,	•			•	•	•	
1		· × × • •		X-SEC		OF KUK	BUND	AT Mile				-
	NOITAV	.' po' po' po'∫	: •		59.73	1						
SECOND CAMPAGE CONTINUED	е г е.	5' χ' χ' χ' η			-50.00	-6						
SELVACED LEVAL	s' v' ·											
SETANCE 12.12 20.02 2.24 2.25 2.	PEDICED	Evel	64.87	20100		25.85						
ESTANCE AS IN FEET STOCKS ARE IN FEET STOCKS ARE IN FEET STOCKS STOCKS ARE IN FEET STOCKS STOCKS ARE IN FEET STOCKS STOCKS AT ALIZE 144	DISTANCE PEDLICED 18	EVE	\$\$"77 <u>}</u> 12'8	} }		00's 10	*	2				
REDGATION & POWER OFFINENT GOVT, OF CHOST SECTION OFFINENT GOVT, OF X-SECTION OFFINENT BUND AT Mile 14/4 CHESTIANS WAE SEATHER CEDY SEAVONS WHEN SEATHER	DISTANCE		1 50%+-	ez core-	00 000	-0¢ 00·1	**************************************	9'41 66'1				
AT MIDE 14/4 CONSTITUNTS INME SCHOOL	SE CHARLES CONS.	AR IN FEET				la	h The	, and	Cess	STICH & POWER D	EPARTMENT COVT.	HONES *
CONSTITUTION SHARE STANDARD CLEVIT SCHARLES	HE CHOSS SEE HTD CHOSS SEE SUPPLY CHOSS	, , ,					EXEN	1	······································	X-SECTION AT	I OF KUKA BUNI Mile 14/4	
	This Amon	` {		:			: : : : :			3 maria	CLENT GAMENO CANADAS NO.	

ສ' 5] ']												
NOITAVBJB + s, s, s							65.83	11 11		Jaka Jaka	ON OF KUKA BUND AT Mile 15/0	DAT	Male 1	900				
PEDIJCED LEVEL		19-81				OT.0E		07,06	17.52									
DISTANCE		O+"9+				-1212		000	007									
PERMICED LEVEL		16.53	£4.41		ģure		TITOE	51.00	*1700	24.00		town:	14791					
DISTANCE		0g:0+	09'19-		-17°00		00°01~	00%	001	00001			00%					
SIONS ARE	N FEET								-	7		, r			GATION & POS	YOR DEPARTMEN	IT COVI. OF	₹ 35
DES SECTION DOSS SECTION	*								٠	2/6	AXON A	z zek	} ·	-	X-sec	TION OF KUR AT Mile 15A	KA BUND 0	
ALL SUPIN LYA	Z.								-		. :				UEWIS WWE	SCHANNE CL	ENT SCHUTE	E C
ive is the first term of the contract of the c	LI R.	EVEL EVEL C. S. S. S. C. S.	NCED LEVEL SOMS ARE IN FEET SOMS ARE IN FEET SOMS ARE IN FEET SOMS ARE IN FEET TOTAL SETTING TOTAL SETING TOTAL SETTING TOTAL SETING C6.91 00.94-	19.81 O4.94-	18.81 06.60- 57.41 00.16-	18.81 Ob.00 ST.81 Ob.10	18.81 Ob.00- ST.81 Ob.00- ST.81 Ob.10- ST.81 Ob.10- ST	18.81 06.80- ST.81 00.10- \$1.20 00.01-	18.81 06.80- ST.81 00.10- \$1.20 00.01-	18.31 04.34- 18.31 04.34- 37.02 21.21- 27.02 00.01- 27.02 00.01- 27.02 00.01- 27.02 00.01-	18-27 02-36- (2-27 02-36- 18-27 02-36- 27-06 21-21- 27-06 00-0	18-81 04-50- 18-81 04-50- 81-81 00-10- 81-81	18.81 08.89- (2.81 00.89-	18.81 On.00— 18.81 On.00— 18.82 On.10— 18.82 On.10— 18.82 On.00 18	18-81 O-As- 18-81	19.81 On. As- (C. 31 Oc. 69- 19.81 On. As- (T. 41 Oc. 18- (T. 42 Oc. 18- (T. 43 Oc. 18- (T. 44 Oc. 18-	200 0000 1171- 1000 0000 1171- 1000 0000 1170- 1000 00	



BLEVATION R, R, E, E, E, M, E,		X-SECTION OF KI	N OF KUKA BUND AT MIE 16/0	0/
		55.78		
£'		20,000		
<u></u> <u>2</u> '				
z' ~'				
TRIXCEDIEVEL	17:02	CA.OL CA.OL SA.OL SA.OL		
DISTANCE	86.8£~-	0,000 0,000 0,000		
REDUCED LEVEL	\$2.03	\$6.00 \$00.00	81 22	05.97
DISTANCE	00,85	⇔ orn		00°i&
HOTES AU. DINDISONS ARE IN FEET			Dah 3h than	PROGRATION & POWER DEPARTMENT COVT. OF SHIDH
Ecologic CROSS SECTION ECOLOGIC CROSS SECTION FOUND CROSS SECTION	1		4×6+	X-SECTION OF KUKA BUND AT Mile 16/0
TANI ANTE TOUR				CONSTITUTE SAME SCHOOLSE CLEAR SCHOOLSE CONTROLS SCHOOLSE CONTROLS SCHOOLSE CONTROLS SCHOOLSE CONTROLS

MOTES MOTES MATCHES X-SECTION OF KUKA BUND AT Mile 16/4		143.79			20.84		20.68	00.55 00.52 00.6 00.04	FERRECTION & POWER DEPARTMENT CONT. OF SWICH		AI Mule 16/4	CONSULTANTS INVACE STOWNING CLEVIT STOWNING STOWNING DOLL	
그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그		ah yed	•	ਛੀ ਲੈ	<u>*</u> **	REDUCED LEVEL	D DESTANCE	REDICED LEVEL	X DASTABOS	MUTES ALL DIAMONSIONS ARE IN FEET	COSTRIC CROSS SECTION DESCRIPE	POST SURVEY CROSS SECTION	

				#0'21 O	INSTITUTION & POWER DEPARTMENT COVI. OF SAIDH	X-SECTION OF KUKA BUND AT Mile 17/0 CONSULMIS WAS SEMINE CLEAR SOWINE DUE
ON OF KUKA BUND AT Mile 17/0				51.21 OO	1 a hu 3 Bellan	AXEN
X-SECTION OF	84.33			26.22 0.0	-	
			\$7.05 24.87	51.05 00.46-		
8' ≥ '	ELEVATION	B ₁ 4,	PEDYCEOLENE O D D D D D S D D S D D D D D D D D D D D D D	EXIST PERVE	AUES AL GADISINS AND IN FEET	COSTING CHOSS SECTION DESCRIPTION POST STRUCT CROSS SECTION FULL SUPPLY LEVEL

					=			•	•	
				X-SEC	\succeq	ON OF KUKA BUND	AT Mile 17/4	4		
	\$ [†] 5									-, -
	s' ='								** **	·
	1017			140.82						
	×' *'			888						·
·					-(J				<u> </u>
	8									
	3,		:							
	<u>a</u> ' •									
	t.				· .					
				. •	•					
21GN	PEDIXED LEVEL	01.51		37.45	97,8) 97,8)					
30	DETANCE	\$2.1.B-		05.31-	פניו				2	
DNIIS	PEDMOCEDIEVE	01.71 01.71				***	\$1.4	91.1		
EXI	ORSTAJIC)⊆	-24.02	90.81-	00*1~		¢ 00 3				
<u> </u>	MOLES All DARDISIONS ARE IN STEE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							the management of	
	(ECHOID)	3				Maush	Mai	THOUSE OF LONG	A LONG DE L'ANDE CONTRACTOR CONT. CF. SAIGH	
X X X	CASTING CROSS SECTION DESCRIPCE CROSS SECTION POST SURVEY CROSS SECTION	*				Axér		X-SECTI	X-SECTION OF KUKA BUND AT Mile 17/4	
TATE OF THE PARTY	FULL SUPPLY LEVEL	4						16	TOO Solmos	and and
								Control Control	GNOW44	Total Control

						PRESCUTION & POWER DEPARTIEDAT COVI. OF SAIDH	X-SECTION OF KUKA BUND	ON PURE 1040	CONSULTANTS NAME STRANDINE CUDIN SCHALLAS DATE
ON OF KUKA BUND AT Mile 18/0				75.4 27.4	(FD0 3		Nahu Shethan		
X-SECTION OF KI	98.50	at at		ata:			3		
		स्य	78.31-	18,01	00.00-				
	WOITAVBJB	Z REDVICED LEVEL	U DISTANCE	REPRICED LEVEL AND THE PARTY OF	EXIS EXIVARCE	NOTES ALL DAGDISIONS ARE \$1 FEET	CECEPIO: Divine cross section olitania cross section	POST SURMEY CROSS SECTION PS	TMT MATE TAKE TAKE

O Z	される	00.8	82,72 S2,25	29.00 48.00	RESIGNION & POWER DEPARTMENT GOVT. OF SHICH	A-XCA AT Mile 18/4	CONSULANTS WARE SCOWNER CLEAR DATE.
X-SECTI	2 RENXCED LEVEL 28. 18. 28. 18. 28. 18. 28. 18. 28. 18. 28. 18. 28. 18. 28. 18. 28. 18. 28. 28. 28. 28. 28. 28. 28. 28. 28. 2	DISTANCE.	18.82 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	0.85- 0.71-	NOTES ALL DIADDISONS ARE M FEET	EXCENSE CHOS: SECTION	PIGE SUPPLY LENG THE - THE

					RESIGNION & POWER DEPARTMENT GOVT. OF SHIGH	X-SECTION OF KUKA BUND AT Mile 1900	NAME SCHAILEE CLEM SCHAILEE DATE
AT Mile 19/0				00.01	RREATION	- Kar	CONSULTAINES CONSU
ON OF KUKA BUND AT Mile 19/0	28,01 28.01	07,8	56.3 6		7, 1	James Par	
X-SECTIO	10.85		39.02	-20.0			
	50,81	1 ' p p		0.34-			
ลู่ ลู่ ร ู่ คู่ คู่ คู่ ค่ ค่	LEVEL.		LEVEL		S AME IN PEET	ECTION SECTION	SS ECTION
ELEVATION	Z RECUKSOLEVA.	DISTANCE	G REDYNCED LEVEL	SIXE	HOTELS ALL (MACHSICHS ARE IN PEET	LEGENDA TANTING CROSS SECTION OLYGING CROSS SECTION	PYAT SIAMBY CROSS SECTION FIRE, SIAMBY LEMEL

-					; 						7. 3			
					×	-SECII) N O	F KU	SA BUND	X-SECTION OF KUKA BUND AT Mile 19/4	19/4		-	
	ກ່ \$່			!	:		:	: :						
IN O 1 I	≎ ¢				15	150.82		A						
	AVBJ3	<u> </u>			\prod	20.00		1						
_	n	3					•							•
	. 2		·				·							
	REDACED LEVE.		27.81		£8.73		28.55 58.55	50°24						
S≅0	DESTANCE		3°4+- .		ŀ	·	0.00							
 	HEDUCED LEVEL	27.81	\$7.01	nzı	32'14	\$2.95	36.25	56.34	74.ZS	as.TI	14.86			
rsix3	DKSTANCE	0.03-	0.21-	0.12-	9-81-	94°6~	00.0	08.8	20.00	29:00	00.08			
MI DWD	HOTES AL DANDASIONS ARE IN FEET	PA FEET				٠.			Patu 37	other	<u></u>	HERICATION & POWER DEPARTABLIT GOVT, OF SINCH	TIMENT GOVT, OF	[景]
DISTORED C	DESTINE CHOSE SECTION OCCIONED CHOOSE SECTION							· .	AXEN			X-SECTION OF KUKA BUND AT Mile 19/4	KUKA BUND e 19/4	
PUST SURAY CHIS	PYET SURFEY CHOSS SECTION PILL SUPPLY LEVEL	- E									23 MB	CLANES NAME SCHALDE	CLENT SERVICE DAT	3
													200	•

					T. OF SNOH	Q.V.	SOMETHE DATE
					PRICATION & POWER DEPARTMENT COVT. OF SNOH	X-SECTION OF KUKA BUND AT Mile 2010	HHE SCHOOLSE CLEAR
20/0			heri	i coris	PPSCATION		CONSULDING
D AT Mile			14.5	1 000.55	May		
ON OF KUKA BUND AT Mile 20/0			28.8)	20023	0.19	AXEN	
	STAS TTAS	0000 F10)	
X-SECTI	uu	007	14.63	0001-		·	
				00.15-			
			የፈንተ	ob Ten			
V V	P£*P1	1875 -	ታ ድታ፤	- e1'00	* FEET		\$
NOITAVAJA " *, *, *, *, *, *, *, *, *, *, *, *, *,	PERACED LEVEL	DKITANCE	BAED CECKE	DISTANCE	<u>NOTES</u> AL DANCHSONS AND IN FEET FFERING.	DOSTRIC CROSS SECTION FORMS CROSS SECTION PORT SURMY ORGES SECTION	THE SPINY ENG.
	NO	530	DNIT	s:x=	ALL DA	reson reson	136

							ver.	20.5	FROGATION & POWER DEPARTMENT GOVT. OF SWICH	X-SECTION OF KUKA BUND	哥	a a constant
ON OF KUKA BUND AT Mile 20/4							13*1 58*1			Mahi The Chair		
X-SECTION OF	149.74			•	31	14.30 27. 27. 90 27. 90	Teres	c 100				
					984	1 3 6789-	•	00'80~	4 FEET	***		
n's		E F E A V	k' 21	±¹ •^¹	Z ROACED (EVEL	O DESTANCE	G REDNOED LEVEL	EXIS	HOTTES ALL DANDISTONS ARE IN FEET	DESTRUCTIONS SECTION DESCRIPTION	POST SUPPLY CHOSS SECTION FULL SUPPLY LEVEL	

·						COVIT, OF SINDH	N BUND	F SCHARE DATE
						BOSIGATION & POWER DEPARTIMENT COVT. OF SINCH	X-SECTION OF KUKA BUND AT Mile 2016	WAS SCHALLES OLDS
	9/02			14.01	00'15	BESICATION &	<u> </u>	CONSULTANTS
	D AT Mile 2			(24)	29:00	30	1	
	ON OF KUKA BUND AT Mile 20/6	·.		12.12	23.00	hishell	TX TX	· .
	17 10 10 1	26,82 26,82 58,87	0000 0774	12.62 TĒ,65		U	<i>,</i>	•
	139.99	ZGʻBZ	06.51-		00.01-			
				+0°1Z	90·1Z-			
		·		10.81	- 28:00			
:		uri	87 TS-		-28'00	M FEET	the six step are and	 •
	NOITAVAJE. ** *, *, *, *, *, *, *, *, *, *, *, *, *	FREDVICED LEVEL	DISTANCE	PEDUCED LEVEL	DISTANCE	MOTES AL DIUDISIONS NRE IN FEET	DICEMBA CHOSS SECTION	Poki Summiy Crocks section Full Summy Levell
į		IGNI	\$3C 	FINIT	EXIZ.	इ। इ	<u>≃ 28 8 3</u>	₹ ₹

* E