

GOVERNMENT OF SINDH



IRRIGATION DEPARTMENT

LOWER PINYARI DIVISION SUJAWAL

BIDDING DOCUMENT

NAME OF WORK: RESTORATION OF STONE APRON AND
T-HEAD SPUR ALONG SURJANI
COMPLEX

Employer: Sindh Irrigation Department through
Executive Engineer Lower Pinyari Division
Sujawal

To Whom Issued to:- M/s _____

Amount of Documents Fee Rs 3000/-

DR No. & Date:- _____

TABLE OF CONTENTS

CONTENTS	Page No.
INVITATION FOR BIDS	4
Form	3
INSTRUCTIONS TO BIDDERS	5
A. General	
IE.1 Scope of Bid	6
IE.2 Source of Funds	6
IE.3 Eligible Bidders	6
IE.4 One Bid Per Bidder	7
IE.5 Cost of Bidding	7
IE.6 Site Visit	7
B. Bidding Documents	
IE.7 Contents of Bidding Documents	8
IE.8 Clarification of Bidding Documents	8
IE.9 Amendment of Bidding Documents	8
C. Preparation of Bids	
IE.10. Language of Bid	8
IE.11 Documents Accompanying the Bid	8
IE.12 Bid Prices	10
IE.13 Currencies of Bid and Payment	10
IE.14 Bid Validity	11
IE.15 Bid Security	11
IE.16 Alternate Proposals by Bidder	11
IE.17 Pre-Bid Meeting	12
IE.18 Format and Signing of Bid	12
D. Submission of Bids	
IE.19 Sealing and Marking of Bids	13
IE.20 Deadline for Submission of Bids	13
IE.21 Late Bids	13
IE.22 Modification, Substitution and Withdrawal of Bids	14

E.

Bid Opening and Evaluation

IB.23 Bid Opening	14
IB.24 Process to be Confidential	14
IB.25 Clarification of Bids	15
IB.26 Examination of Bids and Determination of Responsiveness	15
IB.27 Correction of Errors	16
IB.28 Evaluation and Comparison of Bids	17

F. Award of Contract

IB.29 Award	18
IB.30 Procuring Agency's Right to Accept any Bid and to Reject any or all Bids	18
IB.31 Notification of Award	19
IB.32 Performance Security	19
IB.33 Signing of Contract Agreement	20
IB.34 General Performance of the Bidders	20
IB.35 Integrity Pact	20
IB.36 Instructions Not Part of Contract	21
IB.37 Arbitration	22

BIDDING DATA

FORM OF BID AND APPENDICES TO BID

FORM OF BID	28
Appendix-A to Bid : Special Stipulations	30
Appendix-B to Bid : Foreign Currency Requirements	31
Appendix-C to Bid : Price Adjustment (Under Clause 70)	32
Appendix-D to Bid : Bill of Quantities	34
Appendix-E to Bid : Proposed Construction Schedule	44
Appendix-F to Bid : Method of Performing the Work	45
Appendix-G to Bid : List of Major Equipment – Related Items	46
Appendix-H to Bid : Construction Camp and Housing Facilities	48
Appendix-I to Bid : List of Subcontractors	49
Appendix-J to Bid : Estimated Progress Payments	50
Appendix-K to Bid : Organization Chart of the Supervisory Staff and Labour	51
Appendix-L to Bid : Integrity Pact	52

FORMS

BID SECURITY	54
PERFORMANCE SECURITY	56
CONTRACT AGREEMENT	58
MOBILIZATION ADVANCE GUARANTEE	60
INDENTURE BOND FOR SECURED ADVANCE	61
NOTE ON THE CONDITIONS ON THE CONTRACT	64
PART-I: GENERAL CONDITIONS OF CONTRACT	72
PART-II: SPECIAL CONDITIONS OF CONTRACT	80
SPECIFICATIONS	89
DRAWINGS	90

OFFICE OF THE EXECUTIVE ENGINEER LOWER PINYARI DIVISION SUJAWAL

Phone No. 0298-510421

No. TC / G - 55/ 386 of 2015
Sujawal Dated 28-4-2015

NOTICE INVITING BIDS / TENDERS.

The Executive Engineer Lower Pinyari Division Sujawal invites sealed Bids / Tenders on composite Schedule of rates from the interested Contractors/ Firms for the works as listed below:-

S. No	Name of work	Estimated cost in M. Rs.	Bid Security 2% of estimated cost / offered rates in M. Rs	Tender fee in Rs.	Time for completion
1.	Restoration of Stone Apron and T-Head Spur along Surjani Complex	129.926	2.599	2000	365 days.

The interested Contractors / Firms should be registered with Pakistan Engineering Council in the C-4 category or above and also registered with Federal Board of Revenue and Sindh Revenue Board.

The method of procurement is **SINGLE STAGE, WITH SINGLE ENVELOPE (Post Qualification).**

2% Earnest money of the bidding cost in the shape of called deposit should be attach with the bids at the time of submission.

The Bidding / Tender documents will be issued from the date of publication of N.I.T up to 19-05-2015 up to 17.00 hours on payment of tender fee Rs. 2000 (Non-refundable) from the office of Executive Engineer Lower Pinyari Division Sujawal.

The Bids / Tenders will be received by 20-05-2015 at 14.00 hours and will be opened at 15.00 hours before the tender opening & Bid Evaluation Committee in presence of the Contractors / Firms or their authorized agents in the office of the Superintending Engineer Pinyari Circle B. No. 47 Civil Lines Hyderabad.

The Bid documents of each work should be submitted separately, marked clearly with name of work on sealed envelope.

Under following conditions Bids will be rejected.

- i) Conditional and telegraphic Bids / Tenders.
- ii) The Bids not accompanied by bid security of required amount.
- iii) Bids received after specified date and time.
- iv) Black Listed Firms.

Contd P/2

Bid validity Period is (90) days.

Bidders are required to submit the following documents with bids.

- i) Company Profile
- ii) List of last 5 years similar type of works by the firms / contractors
- iii) List of Similar Type of work in hand
- iv) Detail of Equipment's, Machineries and Transport owned by the firms / contractors required for the said work.
- v) Financial Resources
 - (a) Turn over for last 3 years
 - (b) Financial Credit Line Certificate from Recognized Bank to meet out this said work
 - (c) Auditors Report for last 3 years
 - (d) Income Tax Return for last 3 years
- vi) Affidavit of no litigation with Irrigation Department.
- vii) Affidavit of Not Black Listed in any Department of Government of Sindh

The procuring Agency reserves the right to reject all or any bids subject to the relevant provision of Sindh Public Procurement Rules 2010.

(Sohail Hameed Baloch)
Executive Engineer
Lower Pinyari Division
Sujawal

Copy along with Six extra copies forwarded with compliments to the Director of Information Advertisement Government of Sindh Information Department Karachi for publication of this NIT in the leading News Papers English, Urdu and Sindhi in one insertion.

DA/As above.

(Sohail Hameed Baloch)
Executive Engineer
Lower Pinyari Division
Sujawal

C. C. to:-

- The Secretary to Government of Sindh, Irrigation & Power Department Karachi.
- The P.S to Minister I & P Department Government of Sindh Karachi.
- The Chief Engineer Irrigation Kotri Barrage 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.
- The Secretary Information and Technology Department Govt. of Sindh Karachi for Wide Publicity through website.
- The Superintending Engineer, Pinyari Circle Hyderabad.
- The Executive Engineer (all) for wide Publicity.
- Copy Notice Board.

**INSTRUCTIONS
TO
BIDDERS**

INSTRUCTIONS TO BIDDERS

I:1

(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 NO. 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.

IB.5 Cost of Bidding

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

IB.6 Site Visit

- 6.1 The bidders are advised to visit and examine the site of works and its surroundings and obtain all information that may be necessary for preparing the bid and entering into a contract for construction of the works. All cost in this respect shall be at the bidder's own expense.

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

B. BIDDING DOCUMENTS

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

- 7.1 The bidding documents, in addition to invitation for bids, are those stated below and should be read in conjunction with any addenda issued in accordance with Clause IB.9.
- a. Instructions to Bidders.
 - b. Bidding Data.
 - c. General Conditions of Contract, Part-I (GCC).
 - d. Special Conditions of Contract, Part-II (SCC)
 - e. Specifications.
 - f. Form of Bid and Appendices to Bid.

 - g. Bill of Quantities (Appendix-D to Bid).
 - h. Form of Bid Security.
 - i. Form of Contract Agreement.
 - j. Forms of Performance Security, Mobilization Advance Guarantee, Integrity Pact and Indenture bond for secured advance.
 - k. Drawings.

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

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

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

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

IB.9 Addendum/Modification of Bidding Documents:

- 9.1 At any time prior to the deadline for submission of bids, the procuring agency may, for any reason, whether at his own initiative or in response to a clarification requested by a interested bidder, modify the bidding documents by issuing addendum.

- 9.2 Any addendum thus issued shall be part of the bidding documents pursuant to sub-clause IB 7.1 hereof and shall be communicated in writing to all bidders. Interested bidders shall acknowledge receipt of each addendum in writing to the procuring agency.

- 9.3 To afford bidders reasonable time in which to take an addendum into account in preparing their bids, the procuring agency may extend the deadline for submission of bids in accordance with IB.20

C. PREPARATION OF BIDS

IB.10 Language of Bid

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

IB.11 Documents Accompanying the Bid

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

criteria set out in the prequalification documents, which as a minimum, would include the following:

- (i) Evidence of access to financial resources along with average annual construction turnover;
 - (ii) Financial predictions for the current year and the following two years, including the effect of known commitments;
 - (iii) Work commitments since prequalification;
 - (iv) Current litigation information; and
 - (v) Availability of critical equipment.
- 11.2 Bids submitted by a joint venture of two (2) or more firms shall comply with the following requirements:
- (a) One of the joint venture partners shall be nominated as being in charge; and this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the joint venture partners;
 - (b) the bid, and in case of a successful bid, the Form of Contract Agreement shall be signed by the authorized partner so as to be legally binding on all partners;
 - (c) the partner-in-charge shall always be duly authorized to deal with the procuring agency regarding all matters related with and/or incidental to the execution of works as per the terms and Conditions of Contract and in this regard to incur any and all liabilities, receive instructions, give binding undertakings and receive payments on behalf of the joint venture;
 - (d) all partners of the joint venture shall at all times and under all circumstances be liable jointly and severally for the execution of the contract in accordance with the contract terms and a statement to this effect shall be included in the authorization mentioned under Sub-Para (a) above as well as in the Form of Bid and in the Form of Contract Agreement (in case of a successful bid);
 - (e) a copy of the agreement entered into by the joint venture partners shall be submitted with the bid stating the conditions under which it will function, its period of duration, the persons authorized to represent and obligate it and which persons will be directly responsible for due performance of the contract and can give valid receipts on behalf of the joint venture, the proportionate participation of the several firms forming the joint venture, and any other information necessary to permit a full appraisal of its functioning. No amendments / modifications whatsoever in the joint venture agreement shall be agreed to between the joint venture partners without prior written consent of the procuring agency;
 - (f) Submission of an alternative Letter of Intent to execute a Joint Venture Agreement shall be mandatory.

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

IB.12 Bid Prices

- 12.1 Unless stated otherwise in the bidding documents, the contract shall be for the whole of the works as described in IB 1.1 hereof, based on the unit rates or prices submitted by the bidder or percentage quoted above or below on the rates of Composite Schedule of Rates (CSR), as the case may be.
- 12.2 The bidders shall fill in rates and prices for all items of the works described in the Bill of Quantities. Items against which no rate or price is entered by a bidder will not be paid for by the procuring agency when executed and shall be deemed to be covered by rates and prices for other items in the Bill of Quantities. In case of Composite Schedule of Rates, if the bidder fails to mention the percentage above or below, it shall be deemed to be at par with the rates of Composite Schedule of Rates.
- 12.3 The bid price submitted by the contractor shall include all rates and prices including the taxes. All duties, taxes and other levies payable by the contractor under the contract, or for any other cause during the currency of the execution of the work or otherwise specified in the contract as on the date seven days prior to the deadline for submission of bids.
Additional / reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be reimbursed / deducted as per Sub-Clause 13.7 of the General Conditions of Contract Part-I.
- 12.4 The rates and prices quoted by the bidders are subject to adjustment during the performance of the contract in accordance with the provisions of Clause 13.7 of GCC. The bidders shall furnish the prescribed information for the price adjustment formulae in Appendix-C to Bid, and shall submit with their bids such other supporting information as required under the said Clause. Adjustment in prices quoted by bidders shall be allowed as per Sub-Para 4(ii) of Section C of Instructions to bidders and bidding data.

IB.13 Currencies of Bid and Payment

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

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

IB.14 Bid Validity

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

IB.15 Bid Security

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

IB.16 Alternate Proposals/Bids

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

IB.17 Pre-Bid Meeting

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

IB.18 Format and Signing of Bid

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

18.7 Bidders shall indicate in the space provided in the Form of Bid their full and proper postal addresses at which notices may be legally served on them and to which all correspondence in connection with their bids and the contract is to be sent.

18.8 Bidders should retain a copy of the bidding documents as their file copy.

D. SUBMISSION OF BIDS

IB.19 Sealing and Marking of Bids

19.1 Each bidder shall submit his bid as under:

- (a) ORIGINAL and 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.

19.3 In addition to the identification required in sub- clause IB 19.2 hereof, the inner envelope shall indicate the name and postal address of the bidder to enable the bid to be returned unopened in case it is declared “late” pursuant to Clause IB.21

19.4 If the outer envelope is not sealed and marked as above, the procuring agency will assume no responsibility for the misplacement or premature opening of the Bid.

IB.20 Deadline for Submission of Bids

20.1 (a) Bids must be received by the procuring agency at the address specified not later than the time and date stipulated in the bidding data, 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,

20.2 The Procuring Agency may, at its discretion, extend the deadline for submission of bids by issuing an amendment in accordance with IB 09. In such case, all rights and obligations of the procuring agency and the bidders shall remain the same as mentioned in the original deadline.

IB.21 Late Bids

(a) Any bid received by the procuring agency after the deadline for submission of bids prescribed in to clause IB 20 shall be returned unopened to such bidder.

- (b) Delays in the mail, person in transit, or delivery of a bid to the wrong office shall not be accepted as an excuse for failure to deliver a bid at the proper place and time. It shall be the bidder's responsibility to submit the bid in time.

IB.22 Modification, Substitution and Withdrawal of Bids

- 22.1 Any bidder may modify, substitute or withdraw his bid after bid submission provided that the modification, substitution or written notice of withdrawal is received by the procuring agency prior to the deadline for submission of bids.
- 22.2 The modification, substitution, or notice for withdrawal of any bid shall be prepared, sealed, marked and delivered in accordance with the provisions of Clause IB.19 with the outer and inner envelopes additionally marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" as appropriate.
- 22.3 No bid may be modified by a bidder after the deadline for submission of bids except in accordance with to sub - clauses IB 22.1 and IB 27.2.
- 22.4 Withdrawal of a bid during the interval between the deadlines for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the bid security in pursuance to clause IB 15.

E. BID OPENING AND EVALUATION.

IB.23 Bid Opening

- 23.1 Procuring agency will open the bids, including withdrawals, substitution and modifications made pursuant to Clause IB.22, in the presence of 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 its 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.
- 26.2 Once found to be fulfilling the eligibility criteria, as mentioned in sub-clause 26.1, the bids of eligible bidders will be evaluated for technical responsiveness as per specification and criteria given in the bidding documents.
- 26.3 A bid will be considered technically responsive if it (i) has been properly signed; (ii) is accompanied by the required bid security; and (iii) conforms to all the terms, conditions and specifications of the bidding documents, without material deviation or reservation. A material deviation or reservation is one (i) which affects in any substantial way the scope, quality or performance of the works; (ii) which limits in any substantial way, inconsistent with the bidding documents, the procuring agency's rights or the bidder's obligations under the contract; or (iii) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids.
- 26.4 If a bid has major deviations to the commercial requirements and technical specifications will be considered technically non-responsive. As a general rule, major deviations are those that if accepted, would not fulfill the purposes for which the bid is requested, or would prevent a fair comparison or affect the ranking of the bids that are compliant with the bidding documents.

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

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

(B) Minor Deviations

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

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

IB.27 Correction of Errors before Financial Evaluation

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

IB.28 Financial Evaluation and Comparison of Bids

- 28.1 The procuring agency will evaluate and compare only the Bids determined to be substantially responsive in accordance with clause IB 26.
- 28.2 In evaluating the Bids, the procuring agency will determine for each bid the evaluated bid price by adjusting the bid price as follows:
- (a) Making any correction for errors pursuant to clause IB 27;
 - (b) excluding provisional sums (if any), for contingencies in the Summary Bill of Quantities, but including competitively priced Day work; and
 - (c) Making an appropriate adjustment for any other acceptable variation or deviation.
- 28.3 The estimated effect of the price adjustment provisions of the conditions of contract, applied over the period of execution of the contract, shall not be taken into account in bid evaluation.
- 28.4 If the bid of the successful bidder is seriously unbalanced in relation to the procuring agency's estimate of the cost of work to be performed under the contract, the procuring agency may require the bidder to produce detailed price analyses for any or all items of the Bill of Quantities to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the procuring agency may require that the amount of the Performance Security set forth in clause IB.32 be increased at the expense of the successful bidder to a level sufficient to protect the procuring agency against financial loss in the event of default of the successful bidder under the contract.
- 28.5 Bidders may be excluded if involved in "**Corrupt and Fraudulent Practices**" means either one or any combination of the practices given below SPP Rule2(q);
- (i) "**Coercive Practice**" means any impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;
 - (ii) "**Collusive Practice**" means any arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;
 - (iii) "**Corrupt Practice**" means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;
 - (iv) "**Fraudulent Practice**" means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
 - (v) "**Obstructive Practice**" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or

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

- 31.1 Prior to expiry of the period of bid validity, including extension, prescribed by the procuring agency, the procuring agency shall notify the successful bidder in writing ("Letter of Acceptance") that his bid has been accepted. This letter shall mention the sum which the procuring agency will pay to the contractor in consideration of the execution and completion of the works by the contractor as prescribed by the contract (hereinafter and in the conditions of contract called the "Contract Price").
- 31.2 No negotiation with the bidder having evaluated as lowest responsive or any other bidder shall be permitted, however, procuring agency may hold meetings to clarify any item in the bid evaluation report.
- 31.3 The notification of award and its acceptance by the bidder will constitute the formation of the contract, binding the procuring agency and the bidder till signing of the formal Contract Agreement.
- 31.4 Upon furnishing by the successful bidder of a Performance Security and signing of the contract, the procuring agency will promptly notify the name of the successful bidder to all bidders and return their bid securities accordingly.
- 31.5 Within seven days of the award of contract, procuring agency shall publish on the website of the Authority and on its own website, if such a website exists, the results of the bidding process, identify the bid through procurement identifying numbers, and the following information:
 - (1) Evaluation Report;
 - (2) Form of Contract and letter of Award;
 - (3) Bill of Quantities or Schedule of Requirement.
- 31.6 **Debriefing (SPP Rule 51).**
 - (a) A bidder may ask the procuring agency for reasons for non-acceptance of his bid and may request for a debriefing meeting and procuring agency shall give him the reasons for such non-acceptance, either in writing or by holding a debriefing meeting with such a bidder.
 - (b) The requesting bidder shall bear all the costs of attending such a debriefing.

IB.32 Performance Security (SPP Rule 39)

- 32.1 The successful bidder shall furnish to the procuring agency a Performance Security in the form of pay order or demand draft or bank guarantee, and the amount stipulated in the bidding data and the Conditions of Contract within a period of 28 days after the receipt of Letter of Acceptance.
- 32.2 Failure of the successful bidder to comply with the requirements of Sub-clause IB.32.1 or clauses IB 33 or IB 35 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security.

- 32.3 Validity of performance security shall extend at least ninety days beyond the date of completion of contract, or as mentioned in the bidding data to cover defects liability period or maintenance period subject to final acceptance by the procuring agency.

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

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

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

33.4 Stamp Duty.

The formal Agreement between the Procuring Agency and the successful bidder shall be duly stamped at rate of ---% 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 Sujawal
Phone No. 0298-51421

1.2 Name of the Project and Summary of the works:

Name of Project:

***RESTORATION OF STONE APRON AND T-HEAD SPUR
ALONG SURJANI COMPLEX***

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, Rajasthan 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 (Surjani 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 from place to place and there are layers of sand 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 mapping 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 gypsum. 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. 129.958. Million
Rs. 00.0 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 period, (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
- 18.4 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:

***RESTORATION OF STONE APRON AND T-HEAD SPUR
ALONG SURJANI COMPLEX***

- 20.1 (a) Deadline for submission of bids: *Time 14 hours and Date 20-05-2015*
- (b) Venue, time, and date of bid opening: *Time 15 hours and Date 20-05-2015
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. _____

RESTORATION OF STONE APRON AND T-HEAD SPUR ALONG SURJANI COMPLEX

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 _____) or such 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.
10. We confirm, if our bid is accepted, that all partners of the joint venture shall be liable jointly and severally for the execution of the Contract and the composition or the constitution of the joint venture shall not be altered without the prior consent of the procuring agency.

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

Dated this _____ day of _____ 20

Signature: _____

(Name of Bidder in Block Capitals)

(Seal)

Address: _____

Witness: _____

Signature: _____

Name: _____

Address: _____

Occupation: _____

Appendix-A to Bid
SPECIAL STIPULATIONS
Clause
Conditions of Contract

1.	Engineer representing Consulting Firm hired by the procuring agency to issue variation in case of emergency.	3.1	Up to 2% of the contract price stated 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 receipt of Letter of Acceptance.
4.	Minimum amount of Third Party Insurance	18.3	Rs. 3,000,000/ per occurrence with number of occurrences unlimited.
5.	Time for Commencement	8.1	Within 14 days from the date of receipt of Engineers Notice to Commence, this shall be issued within fourteen (14) days after signing of Contract Agreement.
6.	Time for Completion (works & sections)	8.2 & 10.2	Upto June 2017
7.	Amount of Liquidity Damages/Delay Damages/Penalties	8.7	0.05% of Contract Price equal to Rs. ___ damages per day for each day of delay in completion of the works subject to a maximum of 10% of Contract Price stated in the Letter of Acceptance
8.	Defects Liability Period	11.1	365 days from the effective date of Taking Over Certificate.
9.	Percentage of Retention Money	14.2	10 % of the amount of Interim/Running Payment Certificate.
10.	Limit of Retention Money	14.2	5 % of Contract Price stated in the Letter of Acceptance.
11.	Minimum amount of Interim/Running Payment Certificates	14.2	Rs. 1.50 Million
12.	Time of Payment from delivery of Engineer's Interim/Running Payment Certificate to the procuring agency.	14.7	Within 30 days
13.	Mobilization Advance.	14.2	0% of Contract Price stated in the Letter of Acceptance.

FOREIGN CURRENCY REQUIREMENTS

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

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

UNUSED

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

A. Weightages or coefficients are used for price adjustment.

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

Cost Element	Description	Weight ages	Applicable index
1	2	3	4
(i)	Fixed Portion	0.350	
(ii)	Local Labor a) Skilled b) Unskilled	0.15 0.25	Government of Pakistan (GoP) Federal Bureau of Statistics (FBS) Monthly Statistical Bulletin.
(iii)	Cement – in bags	-	“ “ “
(iv)	Reinforcing Steel	-	“ “ “
(v)	High Speed Diesel (HSD)	0.25	“ “ “
(vi)	Bricks	-	“ “ “
(vii)	Biturn	-	“ “ “
(viii)			
	Total	1.000	

Notes:

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

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		“ “ “
(iii)	Bricks		“ “ “
(iv)	Bitumen		“ “ “
(v)	Wood (Composite item)		“ “ “
	Total five items.		

BILL OF QUANTITIES

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

BILL OF QUANTITIES (SAMPLE)

B. Work Items.

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

Bill No. 1.

***RESTORATION OF STONE APRON AND T-HEAD SPUR
ALONG SURJANI COMPLEX***

Day work Schedule
Summary Schedule B

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

**RESTORATION OF STONE APRON AND T-HEAD SPUR
ALONG SURJANI COMPLEX**

SCHEDULE B

Qty		S.No.	Item	Rate	Unit	Amount
3762000	Sft	1	Jungle Clearence and removing with in 100 ft (b) thick	151.25	%0 Sft	569,00
2117817	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	4,484,47
2117817	Cft	3	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 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 other means owned by the Contractor including supply of earth from source to site of work	579.41	% Cft	12,270,8
2117817	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	749,70
2117817	Cft	5	Earth work compaction sheep foot roller power roller with optimen moisture contain for 85% modified AASHQ density	1445.58	% 0Cft	3,061,47
1195000	Cft	6	Stone Filling Dry Hand Packed as filling behind retaining wall or in stone apron	2684	% Cft	32,073,8
135712	Cft	7	Stone Pitching including sub base with hammer dressed stone on surface laid in course including carriage of materials 5 chains	5377.63	% Cft	7,298,08
					Total Rs.	60,507,3

Abstract

Bill No	Description	Amount in Rs.
Bill No-1	Restoration of Stone Apron and T-Head Spur along Surjani Complex	60,507,394
	G. Total in Rupees	60,507,394

BILL OF QUANTITIES

C. Day work Schedule

General

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

2. 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

I. 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	Hr	5,000			
D103	Brick layer	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	<p style="text-align: right;">Sub Total</p> <p>Allow 35% percent of subtotal for Contractor's overhead, profit, etc, in accordance with Paragraph 3(b) of Day work Schedule</p> <p>Total for Day work: Labour :</p> <p>(Carried forward to Day work Summary)</p>					

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 used 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	Cement, ordinary Portland or equivalent in bags	M: Ton	200			
D202	Mild Steel reinforcing bar up to 16mm diameter to BS 449 or equivalent	M: Ton	100			
D203	Fine aggregate for concrete as specified in Clause _____	Cu: M	1,000			
D204	-----etc-----					
D222	Gelignite (Noble Special Gelatine 60 % or equivalent) including caps, fuse, wire and requisite accessories	M: Ton	10			
D223	Sub Total					
	Allow 35% percent of subtotal for Contractor's overhead, profit, etc., in accordance with Paragraph 4(b) of Day work Schedule					
	Total for Day work: Materials					
	(Carried forward to Day work Summary)					

DAY WORK

Summary (Day Work)

	Amounts (Rs.)
(i) Total for day work: Labour	
(ii) Total for day work: Materials	
(iii) Total for day work: Constructional Plant	
Total for day work (Carried forwarded to Summary Bill of Quantities)	

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

- 1) Whole works
- 2) Bill-1

Time for Completion

_____ Days.
_____ Days

METHOD OF PERFORMING THE WORK

The bidder is required to submit a narrative outlining the method of performing the work. The narrative should indicate in detail and include but not be limited to:

1. Organization Chart indicating head office and field office personnel involved in management and supervision, engineering, equipment maintenance and purchasing.
2. Mobilization in Pakistan, the type of facilities including personnel accommodation, office accommodation, provision for maintenance and for storage, communications, security and other services to be used.
3. The method of executing the works, the procedures for installation of equipment and machinery and transportation of equipment and materials to the 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.]

LIST OF MAJOR EQUIPMENT

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

CONSTRUCTION CAMP AND HOUSING FACILITIES

The Contractor in accordance with Clause 6 of the Conditions of Contract shall provide description of his construction camp's facilities and staff housing requirements.

The contractor shall be responsible for pumps, electrical power, water and electrical distribution systems, and sewerage system including all fittings, pipes and other items necessary for servicing the contractor's construction camp.

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

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

LIST OF SUBCONTRACTORS

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

Enclosed are documentation outlining experience of subcontractors, the curriculum vitae and experience of their key personnel who will be assigned to the contract, equipment to be supplied by them, size, location and type of contracts carried out in the past.

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

ESTIMATED PROGRESS PAYMENTS

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

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

**ORGANIZATION CHART
FOR THE
SUPERVISORY STAFF AND LABOUR**

(INTEGRITY PACT)

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

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

..... [name of Contractor] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Contractor] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from, from Procuring Agency (PA) except that which has been expressly declared pursuant hereto.

[name of Contractor] accepts full responsibility and strict liability that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Contractor] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to PA under any law, contract or other instrument, be voidable at the option of PA.

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

.....
[Procuring Agency] [Contractor]

FORMS

**BID SECURITY
PERFORMANCE SECURITY**

CONTRACT AGREEMENT

**MOBILIZATION ADVANCE GUARANTEE
INDENTURE BOND FOR SECURED ADVANCE**

BID SECURITY
(Bank Guarantee)

BS-1

Security Executed on _____ (Date)

Name of Surety (Bank) with Address: _____

Name of Principal (Bidder) with Address _____ (Scheduled Bank in Pakistan)

Penal Sum of Security Rupees. _____ (Rs. _____)
Bid Reference No. _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the bid and at the request of the said Principal (Bidder) we, the Surety above named, are held and firmly bound unto _____

(hereinafter called the 'Procuring Agency') in the sum stated above for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Bidder has submitted the accompanying bid dated _____ for Bid No. _____ for _____ (Particulars of Bid) to the said Procuring Agency; and

WHEREAS, the Procuring Agency has required as a condition for considering said bid that the bidder furnishes a bid security in the above said sum from a Scheduled Bank in Pakistan or from a foreign bank duly counter-guaranteed by a Scheduled Bank in Pakistan, to the procuring agency, conditioned as under:

- (1) that the bid security shall remain in force up to and including the date 28 days after the deadline for validity of bids as stated in the Instructions to bidders or as it may be extended by the procuring agency, notice of which extension(s) to the Surety is hereby waived;
- (2) that the bid security of unsuccessful bidders will be returned by the procuring agency after expiry of its validity or upon signing of the Contract Agreement; and
- (3) that in the event of failure of the successful bidder to execute the proposed Contract Agreement for such work and furnish the required Performance Security, the entire said sum be paid immediately to the said procuring agency pursuant to Clause 15.6 of the Instruction to bidders for the successful bidder's failure to perform.

NOW THEREFORE, if the successful bidder shall, within the period specified therefore, on the prescribed form presented to him for signature enter into a formal Contract with the said procuring agency in accordance with his bid as accepted and furnish within twenty eight (28) days of his being requested to do so, a Performance Security with good and sufficient surety, as may be required, upon the form prescribed by the said procuring agency for the faithful performance and proper fulfilment of the said Contract or in the event of non-withdrawal of the said bid within the time specified for its validity then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

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

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

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

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

SURETY (Bank)

WITNESS:

Signature

1.

Name

Title

Corporate Secretary (Seal)

Corporate Guarantor (Seal)

2.

Name, Title & Address

FORM OF PERFORMANCE SECURITY
(Bank Guarantee)

Guarantee No. _____
Executed on _____
Expiry date _____

[Letter by the Guarantor to the Procuring Agency]

Name of Guarantor (Bank) with address: _____
(Scheduled Bank in Pakistan)

Name of Principal (Contractor) with address: _____

Penal Sum of Security (express in words and figures) _____

Letter of Acceptance No. _____ Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the bidding documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal we, the Guarantor above named, are held and firmly bound unto the _____ (hereinafter called the procuring agency) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said procuring agency, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has accepted the procuring agency's above said Letter of Acceptance for _____
_____ (Name of Contract) for the _____
_____ (Name of Project).

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the procuring agency, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Clause 49, Defects Liability, of Conditions of Contract are fulfilled.

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

We, _____ (the Guarantor), waiving all objections and defenses under the Contract, do hereby irrevocably and independently guarantee to pay to the procuring agency without delay upon the procuring agency's first written demand without

(66) cavil or arguments and without requiring the procuring agency to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the procuring agency's written declaration that the Principal has refused or failed to perform the obligations under the Contract which payment will be effected by the Guarantor to Procuring Agency's designated Bank & Account Number.

PROVIDED ALSO THAT the procuring agency shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling said obligations and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the procuring agency forthwith and without any reference to the Principal or any other person.

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

Witness:

Guarantor (Bank)

1. _____

Signature _____

Name _____

Corporate Secretary (Seal)

Title _____

2. _____

Name, Title & Address Corporate Guarantor (Seal)

FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the "Agreement") made on the _____ day of _____ (month) 20____ between

(hereafter called the "Procuring Agency") of the one part and

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

WHEREAS the Procuring Agency is desirous that certain works, viz _____

should be executed by the Contractor and has accepted a bid by the Contractor for the execution and completion of such works and the remedying of any defects therein.

NOW this Agreement witnesseth-- as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

2. The following documents after incorporating addenda, if any, except those parts relating to Instructions to bidders shall be deemed to form and be read and construed as part of this Agreement, viz:

- (a) The Contract Agreement;
- (b) The Letter of Acceptance;
- (c) The completed Form of Bid;
- (d) Special Stipulations (Appendix-A to Bid);
- (e) The Special Conditions of Contract – Part II;
- (f) The General Conditions – Part I;
- (g) The priced Bill of Quantities (Appendix-D to Bid);
- (h) The completed Appendices to Bid (B, C, E to L);
- (i) The Drawings;
- (j) The Specifications.
- (k) _____ (any other)

3. In consideration of the payments to be made by the procuring agency to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the procuring agency to execute and complete the works and remedy defects therein in conformity and in all respects with the provisions of the contract.

4. Procuring agency hereby covenants to pay the contractor, in consideration of the execution and completion of the works as per provisions of the contract, the contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed on the day, month and year first before written in accordance with their respective laws.

Signature of the Contactor Signature of Procuring Agency

(Seal) (Seal)

Signed, Sealed and Delivered in the presence of:

Witness: Witness:

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

MOBILIZATION ADVANCE GUARANTEE

Bank Guarantee No. _____ Date _____
 WHEREAS _____ (hereinafter called the 'Procuring Agency') has entered into a Contract for _____

(Particulars of Contract) with _____ (hereinafter called the "Contractor").

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

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

AND WHEREAS, _____ (Scheduled Bank in Pakistan)

(hereinafter called the "Guarantor") at the request of the Contractor and in consideration of the **procuring agency** agreeing to make the above advance to the Contractor, has agreed to furnish the said Guarantee.

NOW, THEREFORE, the Guarantor hereby guarantees that the Contractor shall use the advance for the purpose of above mentioned Contract and if he fails and commits default in fulfilment of any of his obligations for which the advance payment is made, the Guarantor shall be liable to the procuring agency for payment not exceeding the aforementioned amount. Notice in writing of any default, of which the procuring agency shall be the sole and final judge, on the part of the Contractor, shall be given by the procuring agency to the Guarantor, and on such first written demand, payment shall be made by the Guarantor of all sums then due under this Guarantee without any reference to the Contractor and without any objection.

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

_____ whichever is earlier.

(Date)

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

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

GUARANTOR

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

WITNESS

1. _____

_____ Corporate Secretary (Seal)

2. _____

(Name Title & Address)

Corporate Guarantor (Seal)

INDENTURE FOR SECURED ADVANCES

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

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

WHEREAS by an agreement, dated (hereinafter called the said agreement, the contractor has agreed to perform the under-mentioned works (hereinafter referred to as the said work):-
(Here enter (the description of the works). 1

AND WHEREAS the contractor has applied to the
..... for an advance to him of Rupees
(Rs.) on the security of materials absolutely belonging to him and brought by him to the site of the said works the subject of the said agreement for use in the construction of such of the said works as he has undertaken to execute at rates fixed for the finished work (inclusive of the cost of materials and labour and other charge) AND WHEREAS the Government has agreed to advance to the Contractor the sum of Rupees, (Rs.) on the security of materials the quantities and other particulars of which are detailed in Part II of Running Account Bill (B). the said works signed by the contractor
Fin R. Form.17.A

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

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

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

- (1) That the said sum of Rupees. RS.
.....) so advanced by the Government to the Contractor as aforesaid and all or any further sum or sums which may be advanced as aforesaid shall be employed by the contractor in or towards expending the execution of the said works and for no other purpose whatsoever.
- (2) That the materials detailed in the said Running Account Bill (B) which have been offered to and accepted by (he Government as security for the said amount are absolutely by the Contractors own property free from encumbrances of any kind and the Contractor will not make any application for or receive a further advance on the security of materials which are not absolutely his own property and free from encumbrances of any kind and the contractor hereby agrees, at all times, to indemnify and save harmless the Government against all claims whatsoever to any materials in respect of which an advance has been made to him as aforesaid.

- (3) That the said materials detailed in the said Running Account Bill (B) and all other materials on the security of which any further advance or advances may hereafter be made as aforesaid (hereinafter called the said materials) shall be used by the Contractor solely in the execution of the said works in accordance with the directions of the Divisional Officer (hereinafter called the Divisional Officer) and in the terms of the said agreement.
- (4) That the Contractor shall make at his own cost all necessary and adequate arrangement for the proper watch, safe custody and protection against all risks of the said material and that until used in construction as aforesaid the said materials shall remain at the site of the said works in the Contractor's custody and at his own risk and on his own responsibility and shall at all times be open to inspection by (he Divisional Officer or any officer authorized by him. In the event of the said materials of any part (hereof being stolen, destroyed or damaged or becoming deteriorated in a greater degree than is due to reasonable use and wear thereof Contractor will forthwith replace the same with other materials of like quality or repair and make good the same as required by the Divisional Officer and the materials so brought to replace the said materials so repaired and made good shall also be considered as security for the said amount.
- (5) That 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 of repayment and with all costs, charges, damages and expenses incurred by the Government in or for the recovery thereof or the enforcement of this security or otherwise by reason of (he default of the Contractor and any moneys so becoming due and payable shall constitute a debt due from the Contractor to the Government and the Contractor hereby covenants and agrees with the Government to repay and the same respectively to it accordingly.
- (8) That the Contractor hereby charges all the said materials with the repayment to the Government of the said sum of Rupees (Rs.) and any further sum or sums which may be advanced as aforesaid and all costs charges damages and expenses payable under these present PROVIDED ALWAYS and it is hereby agreed and declared that not, withstanding anything in the said agreement and without prejudice to the powers contained therein if and whether the covenant for payment and repayment hereinbefore contained shall become enforceable and the money owing shall not be paid to accordingly.

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

(a) Seize and utilize the said materials or any part thereof in the completion of the said works on behalf of the Contractor in accordance with the provisions in that behalf contained in the said agreement debiting the Contractor with the actual cost of effecting such completion the amount due in respect of advances under these presents and crediting the Contractor with the value of work done as he had carried it out in accordance with the said agreement and at the rates thereby provided. If the balance is against the Contractor he is to pay the same to the Government on demand.

(b) Remove and sell by public auction the seized materials or any part thereof and out of the moneys arising from the sale retain all the sums aforesaid repayable to the Government under these presents and pay over the surplus (if any) to the Contractor.

(c) Deduct all or any part of the moneys owing out of the security deposit or any sum due to the Contractor under the said agreement.

(9) That except as is expressly provided by the presents interest on the said advance shall not be payable.

(10) That in the event of any conflict between the provisions of these presents and the said agreement the provisions of these presents shall prevail and in the event of any dispute or difference arising over the construction or effect of these presents the settlement of which has not been hereinbefore expressly provided for the same shall be referred to the Superintending Engineer/Executive District Officer/Officer one grade higher to officer signed the agreement Circle whose..... decision shall be final and the provisions of the Arbitration Act 1940 for the time being in force so far as they are applicable shall apply to any such reference.

Signed, sealed and delivered by:

In the presence of

1st witness

SEAL

2nd witness

Notes on the Conditions of Contract

The Conditions of Contract comprise two parts:

(a) Part I General Conditions of Contract

(b) Part II Special Conditions of Contract

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

The FIDIC Conditions of Contract have been prepared for an ad measurement (unit price or unit rate) type of contract, and cannot be used without major modifications for other types of contract, such as lump sum, turnkey, or target cost contracts.

The standard text of the General Conditions of Contract chosen must be retained intact to facilitate its reading and interpretation by bidders and its review by the procuring agency. Any amendments and additions to the General Conditions, specific to the contract in hand, should be introduced in the Particular Conditions of Contract.

The use of standard conditions of contract for all civil works will ensure comprehensiveness of coverage, better balance of rights or obligations between procuring agency and Contractor, general acceptability of its provisions, and savings in time and cost for bid preparation and review, leading to more economic prices.

The FIDIC Conditions of Contract are copyrighted and may not be copied, faxed, or reproduced. Without taking any responsibility of its being accurate, Pakistan Engineering Council with prior consent of FIDIC Secretariat, has reproduced herein the FIDIC General Conditions of Contract for reference purpose only which cannot be used by the users for preparing their bidding documents. The bidding document may include a purchased copy, the cost of which can be retrieved as part of the selling price of the bidding document. Alternatively, the FIDIC Conditions of Contract can be referred to in the bidding documents, and the bidders are advised to obtain copies directly from FIDIC.*

* Add the following text if the bidding documents, as issued, do not include a copy:

"Copies of the FIDIC Conditions of Contract can be obtained from: To request such permission please contact:

FIDIC CASE POSTALE, CH-1215 Switzerland;

Tel. +41 22 799 49 00;

Fax: +41 22 799 49 01

E-mail: fidic@fidic.org.

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 INTERNATIONALE 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
1.1.1.9	Daywork Schedule	1.1.4.12	Statement
1.1.3.7	Defects Notification Period	1.1.2.8	Subcontractor
1.1.1.6	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		

PART II - SPECIAL 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

3.1 Engineer's Duties and Authority.

The following paragraph is added after duties:

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

4.3 Contractor's Representative

The following text is to be added after last line:

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

6.10 Records of Contractor's Personnel and Equipment

The following paragraph is added:

The Contractor shall, upon request by the Engineer at any time in relation to any item (92) 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.

8.3 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;
 - b. contractor shall pay interest on the mobilization advance at the rate of 10% per annum on the advance; and
- (ii) This Advance including the interest shall be recovered in 5 equal installments from the 5 R.A bills and in case the number of bills is less than 5 then 1/5 of the advance inclusive of the interest thereon shall be recovered from each bill and the balance together with interest be recovered from the final bill. It may be insured that there is sufficient amount in the final bill to enable recovery of the Mobilization Advance.

14.5 Plants and Materials intended for Works

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

- (I) The Contractor shall be entitled to receive from the procuring agency Secured Advance against an INDENTURE BOND in Public Works Account Form No.31 (Fin. R. Form No. 2) acceptable to the procuring agency of such sum as the Engineer may consider proper in respect of non-perishable materials brought at the site but not yet incorporated in the Permanent Works provided that:
- (i) The materials are in accordance with the specifications for the permanent works;
 - (ii) Such materials have been delivered to the site and are properly stored and protected against loss or damage or deterioration to the satisfaction and verification of the Engineer/Assistant Engineer but at the risk and cost of the Contractor;
 - (iii) The Contractor's records of the requirements, orders, receipts and use of materials are kept in a form approved by the Engineer, and such records shall be available for inspection by the Engineer;
 - (iv) The Contractor shall submit with his monthly statement the estimated value of the materials on site together with such documents as may be required by the Engineer for the purpose of valuation of materials and providing evidence of ownership and payment therefore; (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 Bid, then the procuring agency shall be entitled to:

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

The termination under sub-para (b) of this Sub-Clause shall proceed in the manner prescribed under sub-clauses 15.2 & 15.5 and the payment under Sub-Clause 15.4 shall be made after having deducted the amounts due to the procuring agency under Sub-Para (a) and (c) of this Sub-Clause.

16.4 Payment on Termination

Sub-paragraph (c) is deleted.

17.3 Employer's/ Procuring Agency's Risks

Sub-Clause 17.3 (h) is deleted.

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

18.1 General Requirements for Insurance

The contractor shall be obliged to place all insurances relating to the contract (including, but not limited to, the insurances referred to in Clauses 18.1,18.2,18.3,18.4) with Insurance Company having at least AA rating from PACRA/JCR in favour of the Employer//Procuring Agency valid for a period 28 days after beyond the Bid Validity date. Costs of such insurances shall be borne by the contractor.

19.6 Optional Termination, Payment and release by the Employer

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

20.6 Arbitration

Text will be replaced as under,

Any dispute in respect of which:

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

The place of arbitration shall be in Sindh Province.

General Conditions

General Provisions

1.1 Definitions

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

1.1.1

The Contract

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

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

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

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

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

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

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

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

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

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

1.1.2

Parties and Persons

1.1.2.1

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

1.1.2.2

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

1.1.2.3

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

1.1.2.4

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

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

1.1.2.6

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

1.1.2.7

"Contractor's Personnel" means the Contractor's Representative and all personnel whom the Contractor utilises on Site, who may include the staff,

labour and other employees of the Contractor and of each Subcontractor; and any other personnel assisting the Contractor in the execution of the Works.

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

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

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

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

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

Contract Data.

1.1.3

Dates, Tests, Periods

and Completion

1.1.3.1

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

1.1.3.2

"Commencement Date" means the date notified under Sub-Clause 8.1

[Commencement of Works].

1.1.3.3 "Time for Completion" means the time for completing the Works or a Section

(as the case may be) under Sub-Clause 8.2 [Time for Completion], as stated in the Contract

Data (with any extension under Sub-Clause 8.4 [Extension of Time for Completion]), calculated from the Commencement Date.

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

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

1.1.3.6 "Tests after Completion" means the tests (if any) which are specified in the

Contract and which are carried out in accordance with the Specification after the Works or a Section (as the case may be) are taken over by the Employer.

1.1.3.7 "Defects Notification Period" means the period for notifying defects in the

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

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

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

Works part of the

supply of Plant, Materials or services under

Sub-Clause

or for the

13.5

Sums].

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

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

Works part of the

supply of Plant, Materials or services under

Sub-Clause

or for the

13.5 [

Sums]

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.

1.1.5.6 "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

1.1.6.1 "Contractor's Documents" means the calculations,

computer programs

and other software, drawings, manuals, models and other documents of a

technical nature (if any) supplied by the Contractor under the Contract.

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

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

Plant which has not been taken over by the Employer.

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

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

1.1.6.6 "Performance Security" means the security (or securities, if any) under

Sub-Clause 4.2 [Performance Security].

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

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

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

1.2

Interpretation In the Contract, except where the context requires otherwise:

- (a) words indicating one gender include all genders;
- (b) words indicating the singular also include the plural and words indicating the plural also include the singular;
- (c) provisions including the word "agree", "agreed" or "agreement" require the agreement to be record in writing;
- (d) "written" or "in writing" means hand-written, type-written, printed or electronically made, and resulting in a permanent record; and
- (e) the word "tender" is synonymous with "bid", and "tenderer" with "bidder" and the words "tender documents" with "bidding documents".

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

In these Conditions, provisions including the expression "Cost plus profit" require this

profit to be one-twentieth (5%) of this Cost unless otherwise indicated in the Contract

Data.

1.3

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

shall be:

- (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

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

PART II - SPECIAL /PARTICULAR CONDITIONS OF CONTRACT

1.1 Definitions

1.1.1.4 "Form of Bid" is synonymous with "Letter of Tender".

1.1.1.5 "Bid" is synonymous with "Tender".

1.1.1.10 "Bidding" is synonymous with "contract".

The following paragraph is added:

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

Sub-Clause 8.3 and any approved revisions thereto.

1.1.2.2 "Employer" is synonymous with "Procuring Agency" 1.1.2.9 "DB" is synonymous with "Committee".

1.1.3.1 Replace 28 days by 7 days in LCB and 15 days in ICB..

1.1.3.7 "Defects notification Period" is synonymous with "Defects liability Period".

1.15 Inspections and Audit by the Bank

Deleted

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

3.1 Engineer's Duties and Authority.

The following paragraph is added after duties:

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

4.3 Contractor's Representative

The following text is to be added after last line:

The contractor's 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

(ii) This Advance including the interest shall be recovered in 5 equal installments from the 5 R.A bills and in case the number of bills is less than 5 then 1/5 of the advance inclusive of the interest thereon shall be recovered from each bill and the balance together with interest be recovered from the final bill. It may be insured that there is sufficient amount in the final bill to enable recovery of the Mobilization Advance.

14.5 Plants and Materials intended for Works

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

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

- (i) The materials are in accordance with the specifications for the permanent works;

- (ii) Such materials have been delivered to the site and are properly stored and protected against loss or damage or deterioration to the satisfaction and verification of the Engineer/Assistant Engineer but at the risk and cost of the Contractor;
- (iii) The Contractor's records of the requirements, orders, receipts and use of materials are kept in a form approved by the Engineer, and such records shall be available for inspection by the Engineer;
- (iv) The Contractor shall submit with his monthly statement the estimated value of the materials on site together with such documents as may be required by the Engineer for the purpose of valuation of materials and providing evidence of ownership and payment therefore;
- (v) Ownership of such materials shall be deemed to vest in the procuring agency and these materials shall not be removed from the site or otherwise disposed of without written permission of the procuring agency;
- (vi) The sum payable for such materials on site shall not exceed 75 % of the (i) landed cost of imported materials, or (ii) ex-factory / ex-warehouse price of locally manufactured or produced materials, or (iii) market price of stands other materials;
- (vii) Secured Advance shall not be allowed unless and until the previous advance, if any, is fully recovered;
- (viii) Detailed account of advances must be kept in part II of running account bill or a separate statement; and
- (ix) Secured Advance may be permitted only against materials/quantities anticipated to be consumed / utilized on the work within a period of 3 months from the date of issue of secured advance and in no case for full quantities of materials for the entire work/contract.

(II) Recovery of Secured Advance:

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

14.8 Delayed Payment

Second Para is replaced with following text:

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

15.2 Termination by Employer

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

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

15.6 Corrupt and fraudulent Practices.

The following text is to be added as 3rd paragraph:

Successful Contractor has to provide Integrity Pact (for contracts worth

Rs.10.0 million and above).

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

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

The termination under sub-para (b) of this Sub-Clause shall proceed in the manner prescribed under sub-clauses 15.2 & 15.5 and the payment under Sub-Clause 15.4 shall be made after having deducted the amounts due to the procuring agency under Sub-Para (a) and (c) of this Sub-Clause.

16.4 Payment on Termination

Sub-paragraph (c) is deleted.

17.3 Employer's/ Procuring Agency's Risks

Sub-Clause 17.3 (h) is deleted.

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

18.1 General Requirements for Insurance

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

Costs of such insurances shall be borne by the contractor.

19.6 Optional Termination, Payment and release by the Employer

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

20.6 Arbitration

Text will be replaced as under;

Any dispute in respect of which:

(a) *the decision, of the Dispute Board has not become final and binding pursuant to sub-clause 20.2, and*

(b) *amicable settlement has not been reached within the period stated in sub-clause 20.5, shall be finally settled, under the provisions of the Arbitration Act, 1940 as amended or any statutory modification/Rules of Conciliation And Arbitration PEC Islamabad or re-enactment thereof for the time being in force.*

The place of arbitration shall be, in Sindh Province.

Procuring Agency can retain this clause without changes, in case of contracts under Project,

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

Failure to agree on the composition of the Dispute Board.	20.8
Failure to comply with Dispute Board's Decision	20.3
General Conditions of Dispute Board Agreement	20.7
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

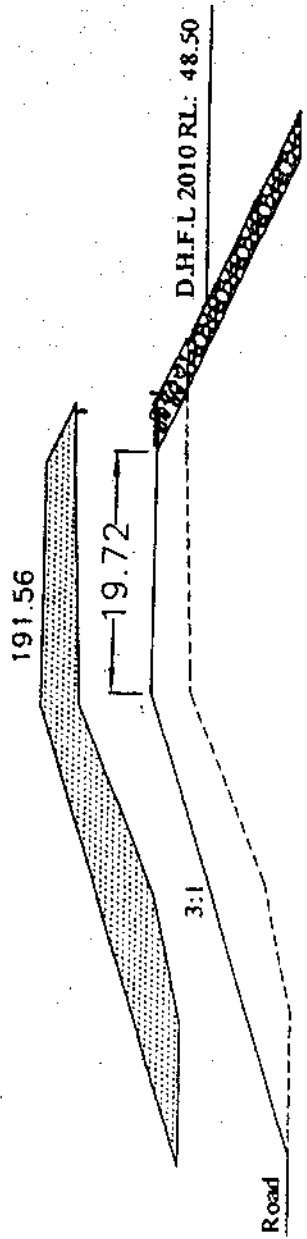
SPECIFICATIONS

DRAWINGS


X-SECTION OF 1st SURJANI BUND AT MILE 1/7

ELEVATION

90
85
80
75
70
65
60
55
50
45
40
35
30



DESIGN	EXISTING	EXISTING	DESIGN	EXISTING	DESIGN	EXISTING	DESIGN	EXISTING
FINISHED LEVEL	FINISHED LEVEL	FINISHED LEVEL	FINISHED LEVEL	FINISHED LEVEL	FINISHED LEVEL	FINISHED LEVEL	FINISHED LEVEL	FINISHED LEVEL
DISTANCE	DISTANCE	DISTANCE	DISTANCE	DISTANCE	DISTANCE	DISTANCE	DISTANCE	DISTANCE
61.72	40.16	61.72	40.16	40.00	42.55	40.00	47.38	52.50
50.00	40.22	50.00	44.04	50.00	49.16	24.70	52.50	23.00
50.01	49.26	49.26	23.00	52.50	49.26	23.00	52.50	49.26
50.01	50.01	50.01	49.88	52.50	50.01	49.88	52.50	50.01
50.01	50.01	50.01	50.01	50.01	50.01	50.01	50.01	50.01

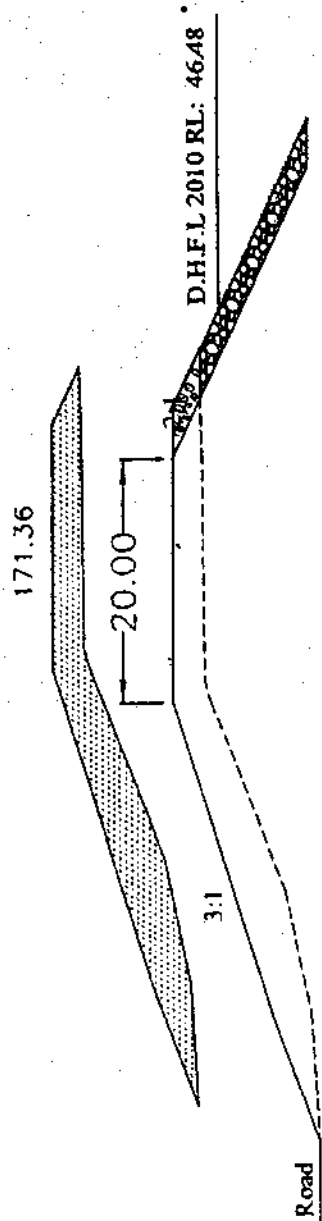

 Assistant Executive Engineer
 Sujawal Bund Sub-Division


 S. SNA

X-SECTION OF 1st SURJANI BUND AT MILE 2/0

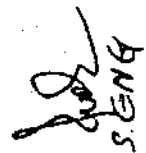
ELEVATION

90
85
80
75
70
65
60
55
50
45
40
35
30

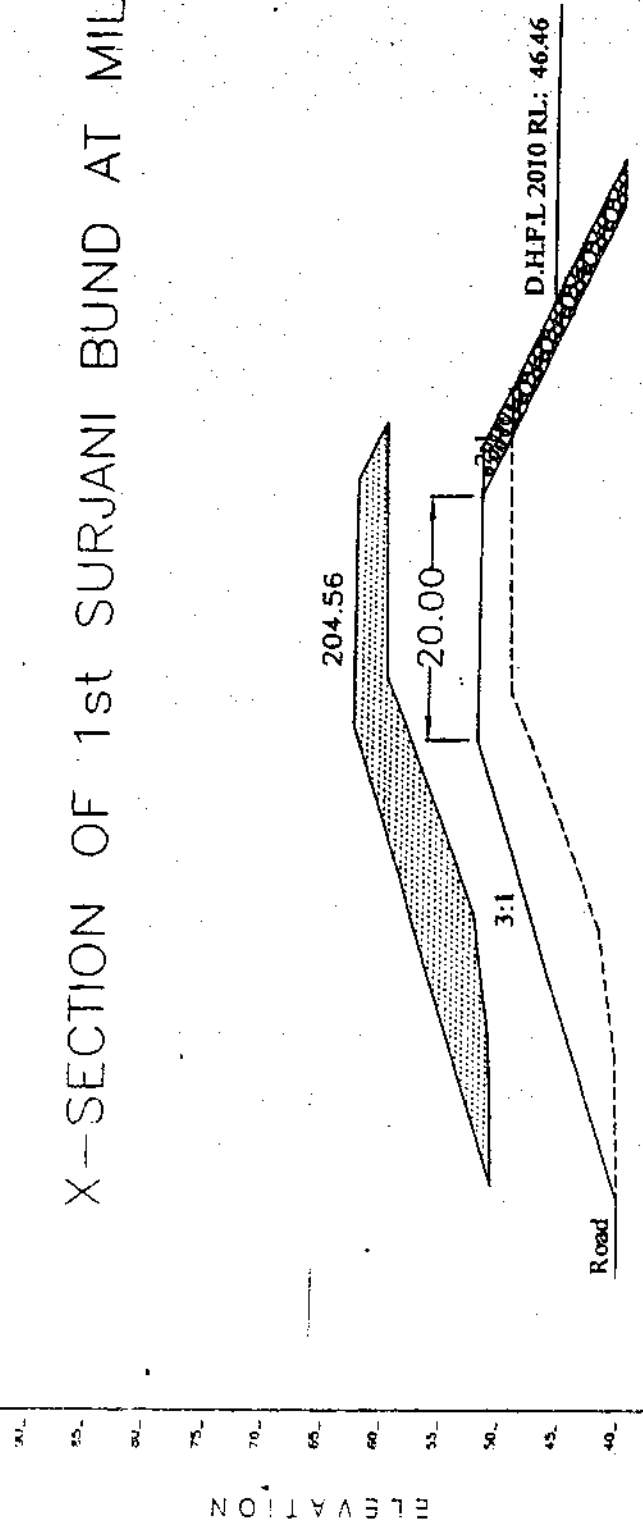


DESIGN	EXISTING																																				
<table border="1"> <thead> <tr> <th>DEPTH LEVEL</th> <th>EXISTING</th> <th>DESIGN</th> </tr> </thead> <tbody> <tr> <td>60.00</td> <td>40.12</td> <td>60.00</td> </tr> <tr> <td>50.00</td> <td>44.04</td> <td>50.00</td> </tr> <tr> <td>40.00</td> <td>47.38</td> <td>40.00</td> </tr> <tr> <td>23.00</td> <td>52.48</td> <td>23.00</td> </tr> <tr> <td>50.13</td> <td>52.48</td> <td>50.13</td> </tr> </tbody> </table>	DEPTH LEVEL	EXISTING	DESIGN	60.00	40.12	60.00	50.00	44.04	50.00	40.00	47.38	40.00	23.00	52.48	23.00	50.13	52.48	50.13	<table border="1"> <thead> <tr> <th>DEPTH LEVEL</th> <th>EXISTING</th> <th>DESIGN</th> </tr> </thead> <tbody> <tr> <td>60.00</td> <td>40.12</td> <td>60.00</td> </tr> <tr> <td>50.00</td> <td>44.04</td> <td>50.00</td> </tr> <tr> <td>40.00</td> <td>47.38</td> <td>40.00</td> </tr> <tr> <td>23.00</td> <td>52.48</td> <td>23.00</td> </tr> <tr> <td>50.13</td> <td>52.48</td> <td>50.13</td> </tr> </tbody> </table>	DEPTH LEVEL	EXISTING	DESIGN	60.00	40.12	60.00	50.00	44.04	50.00	40.00	47.38	40.00	23.00	52.48	23.00	50.13	52.48	50.13
DEPTH LEVEL	EXISTING	DESIGN																																			
60.00	40.12	60.00																																			
50.00	44.04	50.00																																			
40.00	47.38	40.00																																			
23.00	52.48	23.00																																			
50.13	52.48	50.13																																			
DEPTH LEVEL	EXISTING	DESIGN																																			
60.00	40.12	60.00																																			
50.00	44.04	50.00																																			
40.00	47.38	40.00																																			
23.00	52.48	23.00																																			
50.13	52.48	50.13																																			
<table border="1"> <thead> <tr> <th>DISTANCE</th> <th>EXISTING</th> <th>DESIGN</th> </tr> </thead> <tbody> <tr> <td>0.00</td> <td>4.70</td> <td>0.00</td> </tr> <tr> <td>50.13</td> <td>52.48</td> <td>50.13</td> </tr> </tbody> </table>	DISTANCE	EXISTING	DESIGN	0.00	4.70	0.00	50.13	52.48	50.13	<table border="1"> <thead> <tr> <th>DISTANCE</th> <th>EXISTING</th> <th>DESIGN</th> </tr> </thead> <tbody> <tr> <td>0.00</td> <td>4.70</td> <td>0.00</td> </tr> <tr> <td>50.13</td> <td>52.48</td> <td>50.13</td> </tr> </tbody> </table>	DISTANCE	EXISTING	DESIGN	0.00	4.70	0.00	50.13	52.48	50.13																		
DISTANCE	EXISTING	DESIGN																																			
0.00	4.70	0.00																																			
50.13	52.48	50.13																																			
DISTANCE	EXISTING	DESIGN																																			
0.00	4.70	0.00																																			
50.13	52.48	50.13																																			
<table border="1"> <thead> <tr> <th>EXISTING</th> <th>DESIGN</th> </tr> </thead> <tbody> <tr> <td>24.70</td> <td>24.70</td> </tr> <tr> <td>48.28</td> <td>48.28</td> </tr> <tr> <td>49.78</td> <td>49.78</td> </tr> </tbody> </table>	EXISTING	DESIGN	24.70	24.70	48.28	48.28	49.78	49.78	<table border="1"> <thead> <tr> <th>EXISTING</th> <th>DESIGN</th> </tr> </thead> <tbody> <tr> <td>24.70</td> <td>24.70</td> </tr> <tr> <td>48.28</td> <td>48.28</td> </tr> <tr> <td>49.78</td> <td>49.78</td> </tr> </tbody> </table>	EXISTING	DESIGN	24.70	24.70	48.28	48.28	49.78	49.78																				
EXISTING	DESIGN																																				
24.70	24.70																																				
48.28	48.28																																				
49.78	49.78																																				
EXISTING	DESIGN																																				
24.70	24.70																																				
48.28	48.28																																				
49.78	49.78																																				
<table border="1"> <thead> <tr> <th>EXISTING</th> <th>DESIGN</th> </tr> </thead> <tbody> <tr> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>50.13</td> <td>50.13</td> </tr> </tbody> </table>	EXISTING	DESIGN	0.00	0.00	50.13	50.13	<table border="1"> <thead> <tr> <th>EXISTING</th> <th>DESIGN</th> </tr> </thead> <tbody> <tr> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>50.13</td> <td>50.13</td> </tr> </tbody> </table>	EXISTING	DESIGN	0.00	0.00	50.13	50.13																								
EXISTING	DESIGN																																				
0.00	0.00																																				
50.13	50.13																																				
EXISTING	DESIGN																																				
0.00	0.00																																				
50.13	50.13																																				



 Assistant Executive Engineer
 Sujawal Bused Sub-Division


 S. ENG

X-SECTION OF 1st SURJANI BUND AT MILE 2/1



EXISTING	DESIGN
FIXED LEVEL	FIXED LEVEL
40.10	40.10
40.50	40.50
44.09	44.09
50.00	50.00
41.92	40.00
47.42	40.00
24.88	48.00
52.46	24.88
21.00	49.67
52.46	21.00
4.88	50.00
52.46	4.88
0.00	50.02
50.02	0.00

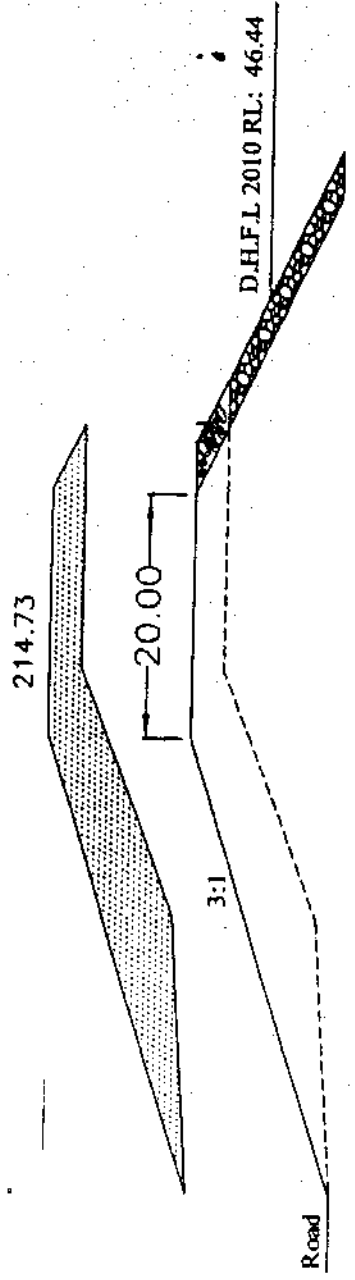

 S. ENIG


 Assistant Executive Engineer
 Sujawal Bund Sub-Division


X-SECTION OF 1st SURJANI BUND AT MILE 2/2


ELEVATION

90
85
80
75
70
65
60
55
50
45
40
35
30

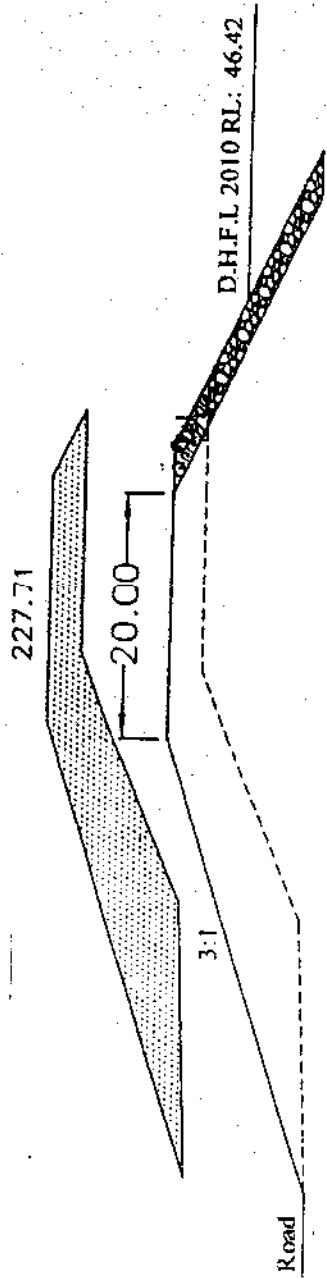


EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING
REDUCED LEVEL	62.68	49.18	62.68	48.28	40.00	41.60	40.00	47.58	25.44
DISTANCE									52.44
REDUCED LEVEL									25.44
DISTANCE									20.00
REDUCED LEVEL									49.72
DISTANCE									20.00
REDUCED LEVEL									49.72
DISTANCE									5.44
REDUCED LEVEL									48.72
DISTANCE									0.00


 Assistant Executive Engineer
 Sujawal Bund Sub-Division


 S.E. 06

X-SECTION OF 1st SURJANI BUND AT MILE 2/3



EXISTING	DESIGN
REDUCED LEVEL	REDUCED LEVEL
40.16	40.16
40.16	40.16
40.96	40.00
47.80	47.80
25.54	25.54
47.40	25.54
20.00	20.00
49.85	20.00
52.42	52.42
5.84	49.85
49.85	5.54
0.00	49.85
49.85	49.85

[Signature]
 Assistant Executive Engineer
 Sujawal Bund Sub-Division

[Signature]
 S.E. (16)

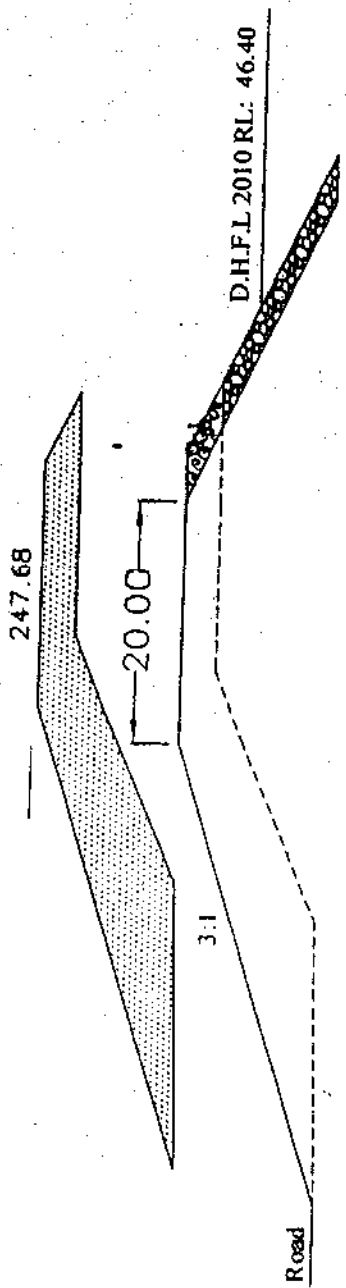
ELEVATION

90
85
80
75
70
65
60
55
50
45
40
35
30

X-SECTION OF 1st SURJANI BUND AT MILE 2/4


ELEVATION

90
85
80
75
70
65
60
55
50
45
40
35
30

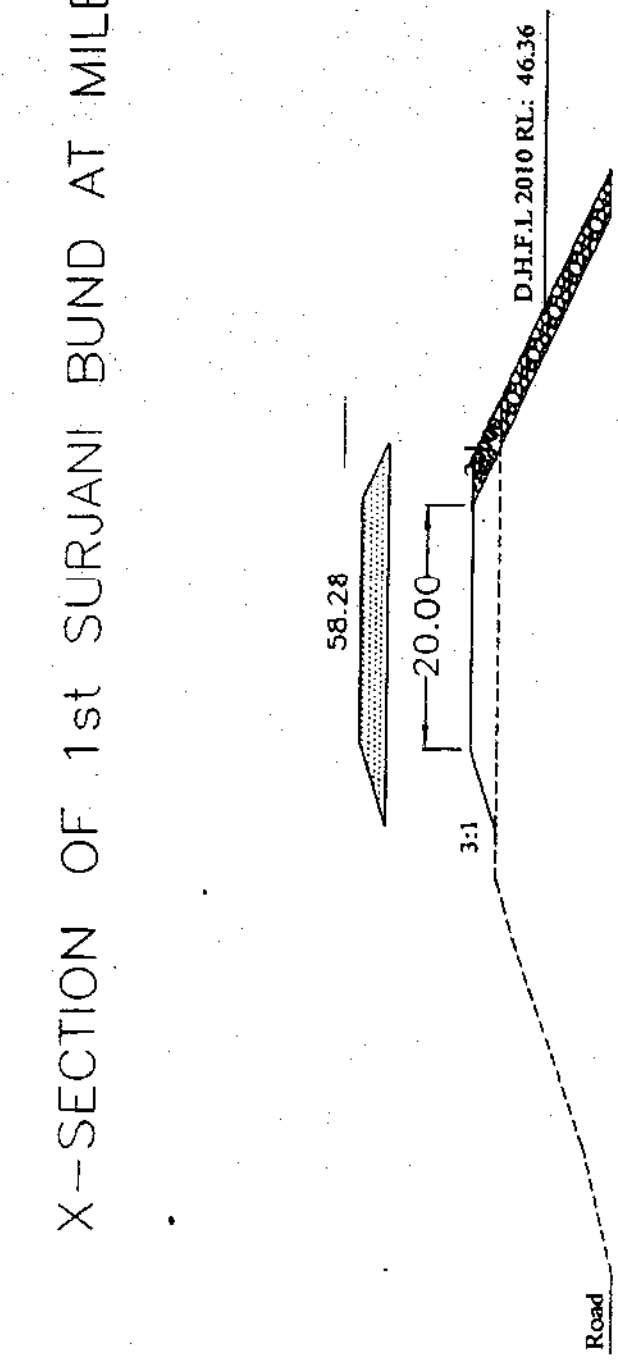


DESIGN	INWARD LEVEL	DISTANCE	PROPOSED LEVEL	DISTANCE	EXISTING	DISTANCE
	83.10	40.02	83.10	40.02	40.00	40.50
			47.72	40.00	47.72	40.00
			25.98	47.00	25.98	52.40
			20.00	49.42	20.00	52.40
			5.98	49.42	5.98	52.40
			0.00	49.42	0.00	49.42


 Assistant Executive Engineer
 Sujawal Bund Sub-Division


 S. S. NG

X-SECTION OF 1st SURJANI BUND AT MILE 2/6



E L E V A T I O N

90_

85_

80_

75_

70_

65_

60_

55_

50_

45_


40_

35_

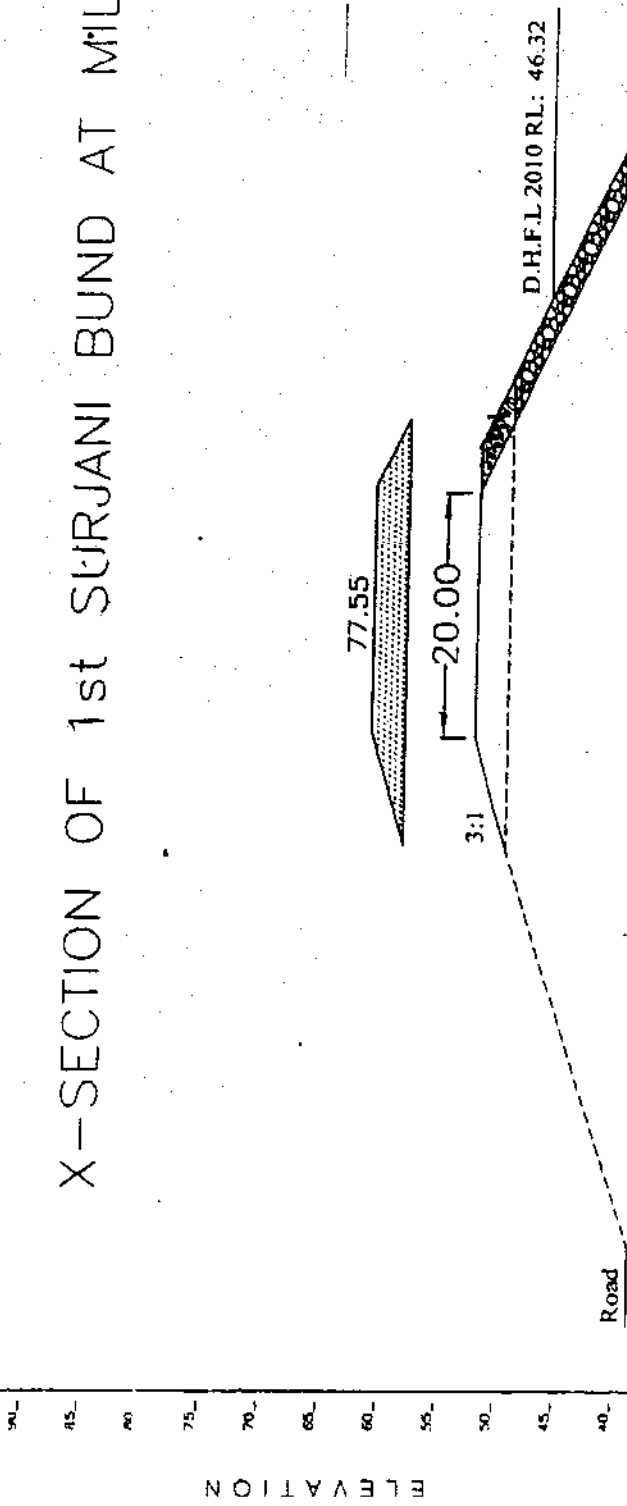
30_

DESIGN	EXISTING	DESIGN	EXISTING	DESIGN	EXISTING
RECEIVED LEVEL	55.00	50.09	51.35	50.09	50.09
DISTANCE	66.00	42.24	24.54	52.38	52.38
RECEIVED LEVEL	56.00	49.87	50.09	4.54	0.00
DISTANCE	66.00	49.87	50.09	4.54	0.00



 Assistant Executive Engineer
 Sujawal Bund Sub-Division



 S.G. Nagar

X-SECTION OF 1st SURJANI BUND AT MILE 3/0



DESIGN	EXISTING
REDUCED LEVEL	35.00 48.50 49.50 52.32
DISTANCE	0.00 5.64 25.64 52.32
REDUCED LEVEL	35.00 48.50 49.50 52.32
DISTANCE	0.00 5.64 25.64 52.32

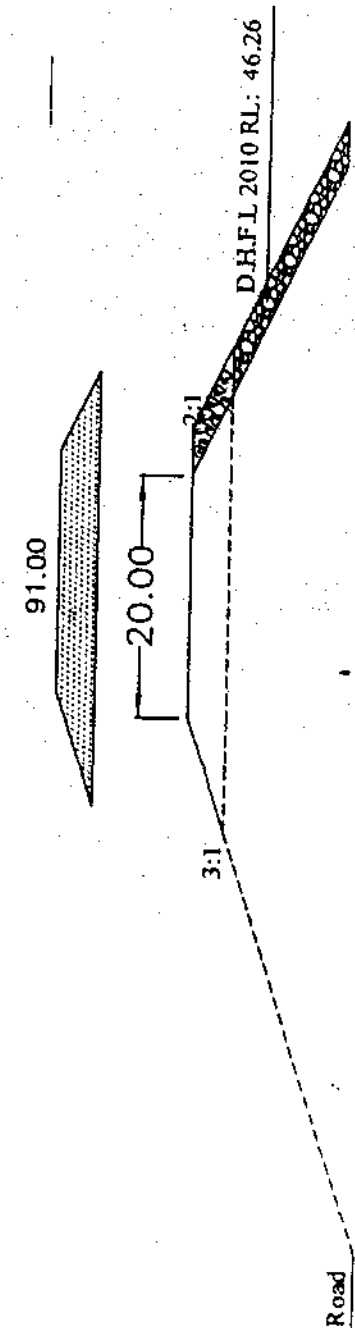

 Assistant Executive Engineer
 Sujawal Bund Sub-Division


 S. G. M. G.

X-SECTION OF 1st SURJANI BUND AT MILE 3/1+300

ELEVATION

90
85
80
75
70
65
60
55
50
45
40
35
30

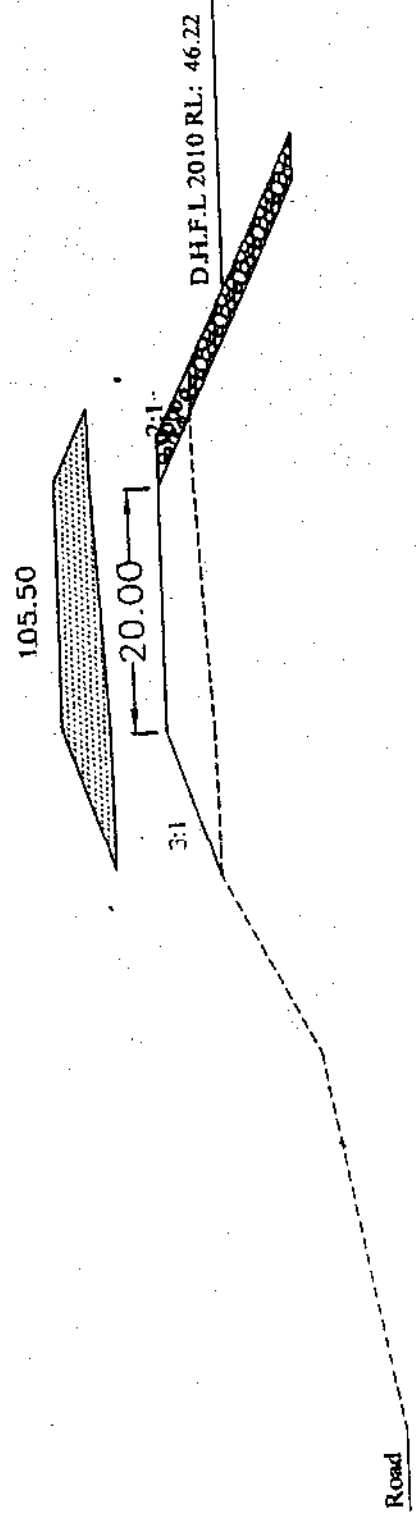


EXISTING	DESIGN
70.00	37.12
36.00	49.02
36.00	36.00
26.50	49.02
26.50	26.50
6.50	49.02
6.50	6.50
0.00	49.02
0.00	0.00
48.02	48.02

S. B. NG
S. B. NG

S. B. NG
Assistant Executive Engineer
Suajawal Bund Sub-Division

X-SECTION OF 2nd SURJANI BUND AT MILE 0/2



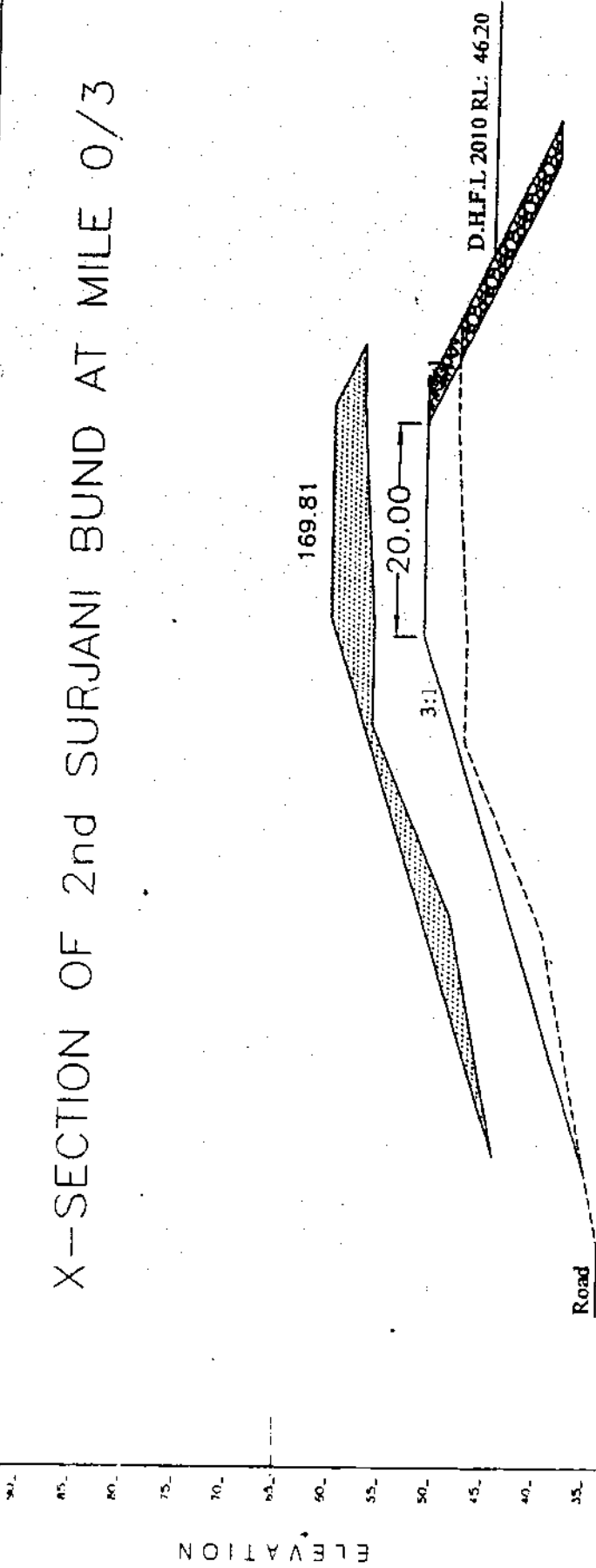
75
70
65
60
55
50
45
40
35
30

EXISTING	DESIGN
84.00	33.91
53.00	39.98
38.00	48.02
38.00	38.00
48.02	48.02
25.88	48.10
25.88	25.88
52.22	52.22
5.88	49.18
5.88	3.88
49.28	49.28
0.00	0.00
49.28	49.28

Signature
5.6.16

PAI
Assistant Executive Engineer
Suawal Bund Sub-Division

X-SECTION OF 2nd SURJANI BUND AT MILE 0/3



DESIGN	EXISTING
REFRACED LEVEL	REFRACED LEVEL
93.00	83.00
76.25	58.42
76.25	76.25
35.42	35.42
54.00	40.02
54.00	54.00
48.83	48.83
36.00	48.02
36.00	36.00
48.02	48.02
25.90	25.90
25.90	48.02
48.02	25.90
52.20	52.20
52.20	49.20
49.20	49.20
0.00	0.00
49.25	49.25

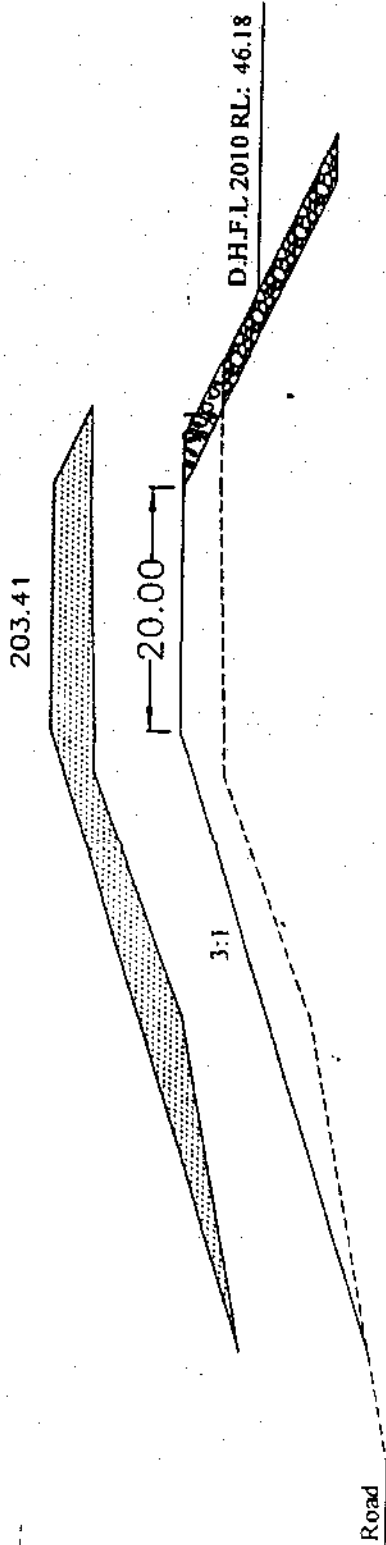
S.B.A.G.
S.B.A.G.

S.B.A.G.
Assistant Executive Engineer
Suajwal Bund Sub-Division


X-SECTION OF 2nd SURJANI BUND AT MILE 0/4


ELEVATION

91
85
80
75
70
65
60
55
50
45
40
35
30



DESIGN	EXISTING
PROPOSED LEVEL	86.00
DISTANCE	33.48
PROPOSED LEVEL	77.28
DISTANCE	35.21
PROPOSED LEVEL	50.00
DISTANCE	40.82
PROPOSED LEVEL	30.00
DISTANCE	48.42
PROPOSED LEVEL	26.38
DISTANCE	48.42
PROPOSED LEVEL	6.38
DISTANCE	49.00
PROPOSED LEVEL	0.00
DISTANCE	49.00

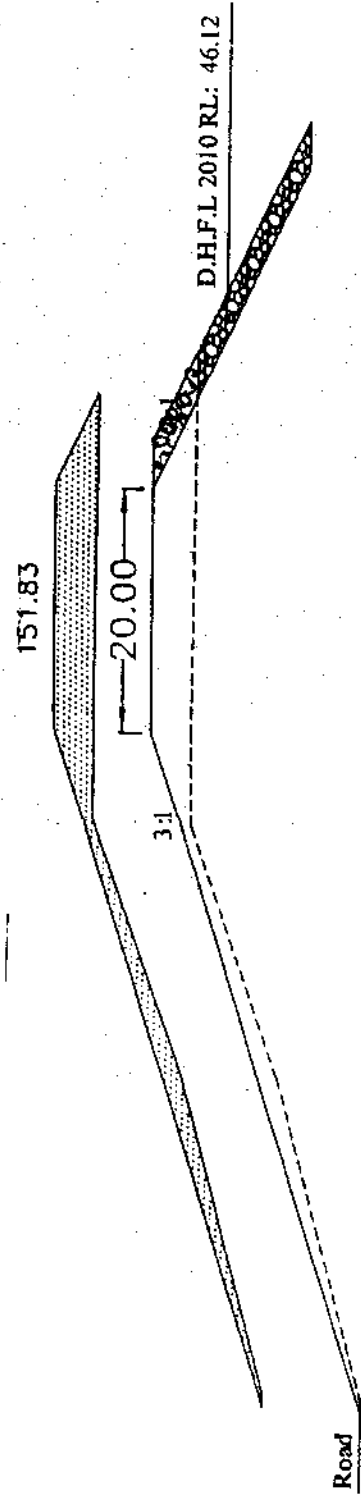

 Assistant Executive Engineer
 Sujawal Bund Sub-Division


 S.G. Nig

X-SECTION OF 2nd SURJANI BUND AT MILE 0/7

ELEVATION

40 45 50 55 60 65 70 75 80 85

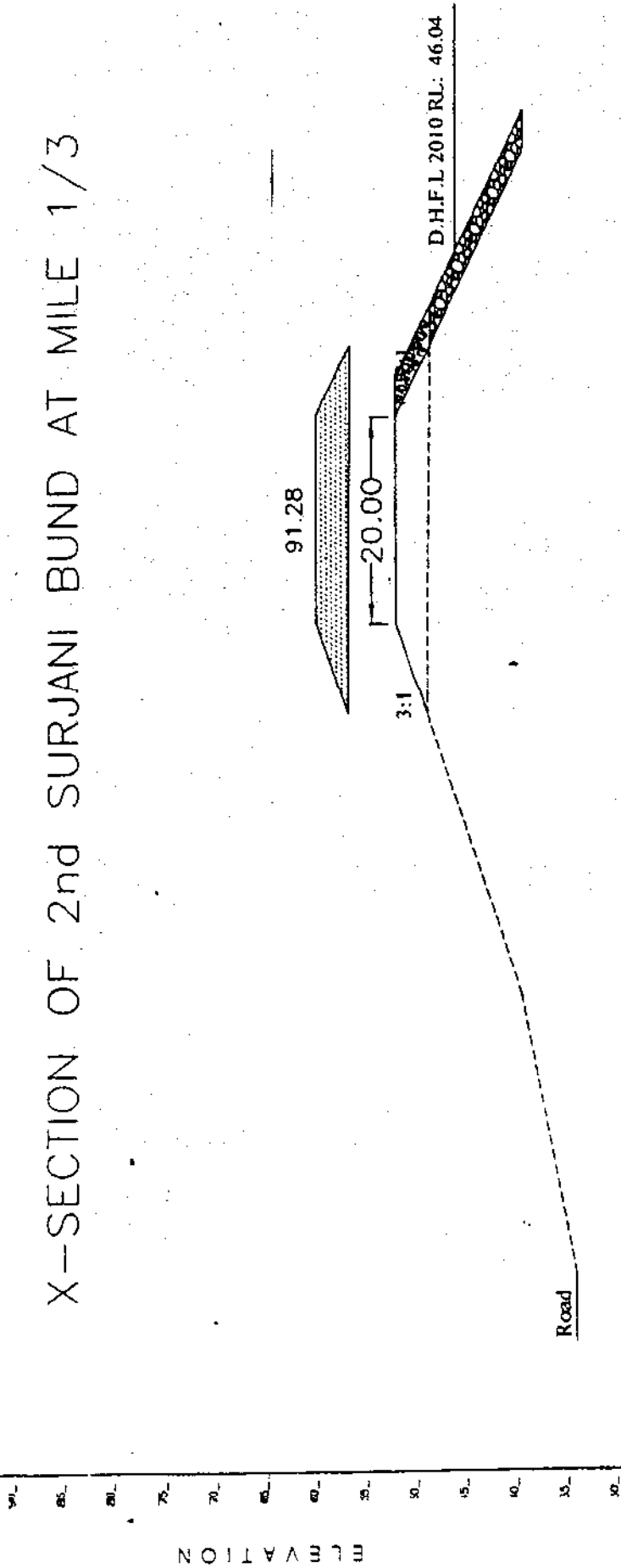


DESIGN	REDUCED LEVEL	DISTANCE	REDUCED LEVEL	DISTANCE	REDUCED LEVEL	DISTANCE
	82.06	33.82	82.06	33.82	58.00	40.80
	82.06	33.82	82.06	33.82	56.00	42.53
	82.06	33.82	82.06	33.82	48.70	35.00
	82.06	33.82	82.06	33.82	48.53	49.53
	82.06	33.82	82.06	33.82	48.70	27.24
	82.06	33.82	82.06	33.82	48.70	27.24
	82.06	33.82	82.06	33.82	48.50	7.24
	82.06	33.82	82.06	33.82	48.50	7.24
	82.06	33.82	82.06	33.82	48.50	0.00
	82.06	33.82	82.06	33.82	48.50	0.00

Assistant Executive Engineer
 Sujawal Bund Sub-Division


S.ENG

X-SECTION OF 2nd SURJANI BUND AT MILE 1/3



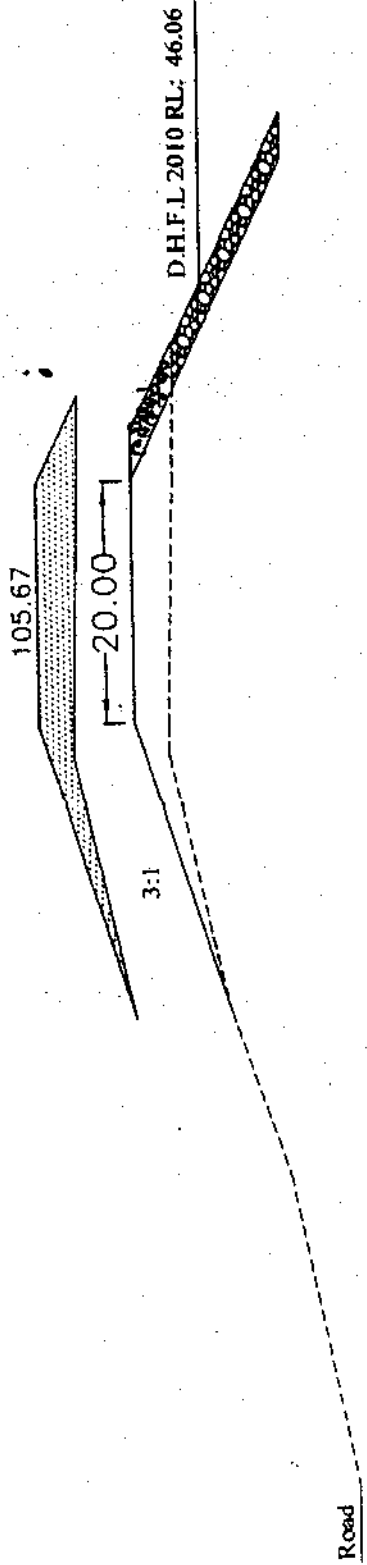
EXISTING ELEVATION	EXISTING DISTANCE	PROPOSED ELEVATION	PROPOSED DISTANCE
90.00	34.08	91.28	36.00
91.28	39.50	91.28	38.00
92.00		92.00	48.90
93.00		93.00	26.88
94.00		94.00	52.04
		95.00	48.90
		96.00	26.88
		97.00	52.04
		98.00	48.90
		99.00	26.88
		100.00	52.04


 Assistant Executive Engineer
 Sujawal Bund Sub-Division


 S. SINGH

X-SECTION OF 2nd SURJANI BUND AT MILE 1/2

ELEVATION

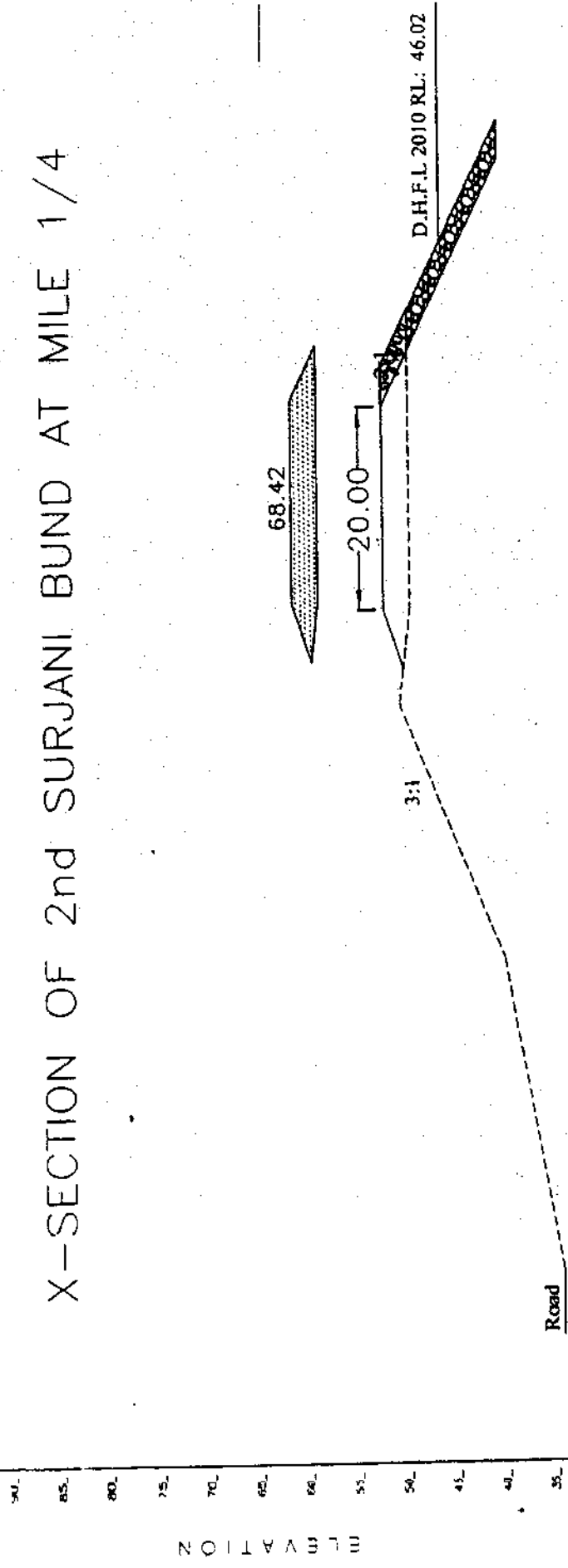


DESIGN	EXISTING	DESIGN	EXISTING	DESIGN	EXISTING
IF INDEXED LEVEL					
DISTANCE					
REDUCED LEVEL					
DISTANCE					
	90.00	33.71			
	65.00	39.18			
	51.38	44.00	51.38	44.00	
			50.00	49.11	30.00
			27.20	49.11	27.20
			52.06	52.06	51.12
			7.20	48.55	7.20
			48.46	48.46	48.46

S. B. NG
S. B. NG

S. B. NG
Assistant Executive Engineer
Suajawal Bund Sub-Division

X-SECTION OF 2nd SURJANI BUND AT MILE 1/4

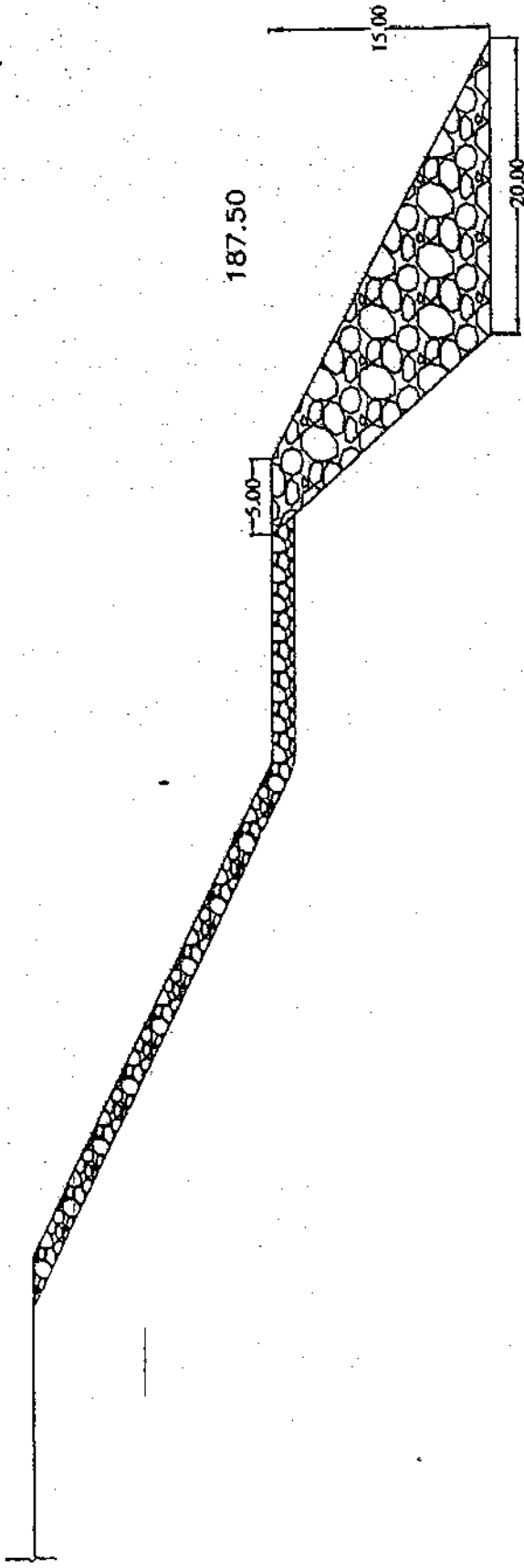


DESIGN		EXISTING	
REDUCED LEVEL	DISTANCE	REDUCED LEVEL	DISTANCE
48.35	0.00	53.4	0.00
52.02	5.34	53.4	5.34
52.02	25.34	48.35	25.34
50.83	31.28	50.05	31.28
		50.49	35.00
		40.01	60.00
		34.22	90.00

S. S. N. G.
S. S. N. G.

S. S. N. G.
Assistant Executive Engineer
Sujawal Bund Sub-Division

X-SECTION OF T HEAD SPUR @ MILE 29/2 M.S. BOND



DESIGN	REDUCED LEVEL
	DISTANCE
EXISTING	REDUCED LEVEL
	DISTANCE

NOTES

ALL DIMENSIONS ARE IN FEET

LEGEND:

EXISTING CROSS SECTION

DESIGNED CROSS SECTION

PIST SURVEY CROSS SECTION

FINAL SUPPLY LEVEL

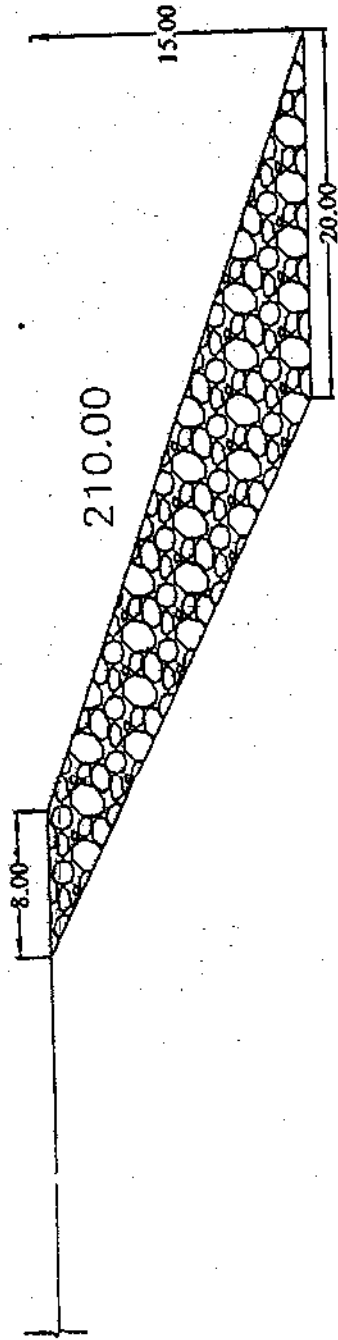
EXCAVATION AREA (H.F.)

IRRIGATION & POWER DEPARTMENT GOVT. OF SIKH

[Signature]
 ASSISTANT EXECUTIVE ENGINEER
 JALAWAL BOND SUB-DIVISION

CONSULTANTS	NAME	SIGNATURE	CLIENT	SIGNATURE	DATE
DESIGNED BY			APPROVED		
CHECKED BY			ISSUED		
DATE			SCALE		

X-SECTION SLOPE T HEAD SPUR AT MILE 29 1/2



DESIGN	REDUCED LEVEL
	DISTANCE
EXISTING	REDUCED LEVEL
	DISTANCE

NOTES:
ALL DIMENSIONS ARE IN FEET

LEGEND:

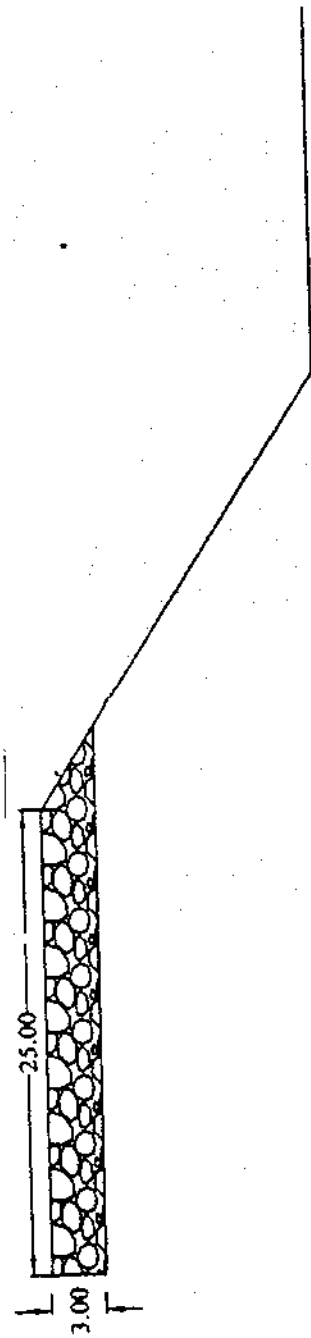
- EXISTING CROSS SECTION
- DESIGNED CROSS SECTION
- POST SURVEY CROSS SECTION
- FULL SUPPLY LEVEL
- ▨ EXCAVATION AREA (SPL)

IRRIGATION & POWER DEPARTMENT GOVT. OF INDIA

[Signature]
 ASSISTANT EXECUTIVE ENGINEER
 SUJAYAL BUND SUB-DIVISION

CONSULTANT	NAME	SIGNATURE	CLEAR	SIGNATURE	DATE
PROJECT	DATE	SCALE	NO.		
NO.					

X-SECTION TOP T HEAD SPUR AT MILE 29/2 ;



DESIGN	REDUCED LEVEL
	DISTANCE
EXISTING	REDUCED LEVEL
	DISTANCE

NOTES:
ALL DIMENSIONS ARE IN FEET

LEGEND:

- EXISTING CROSS SECTION
- DESIGNED CROSS SECTION
- POST SURVEY CROSS SECTION
- FULL SUPPLY LEVEL

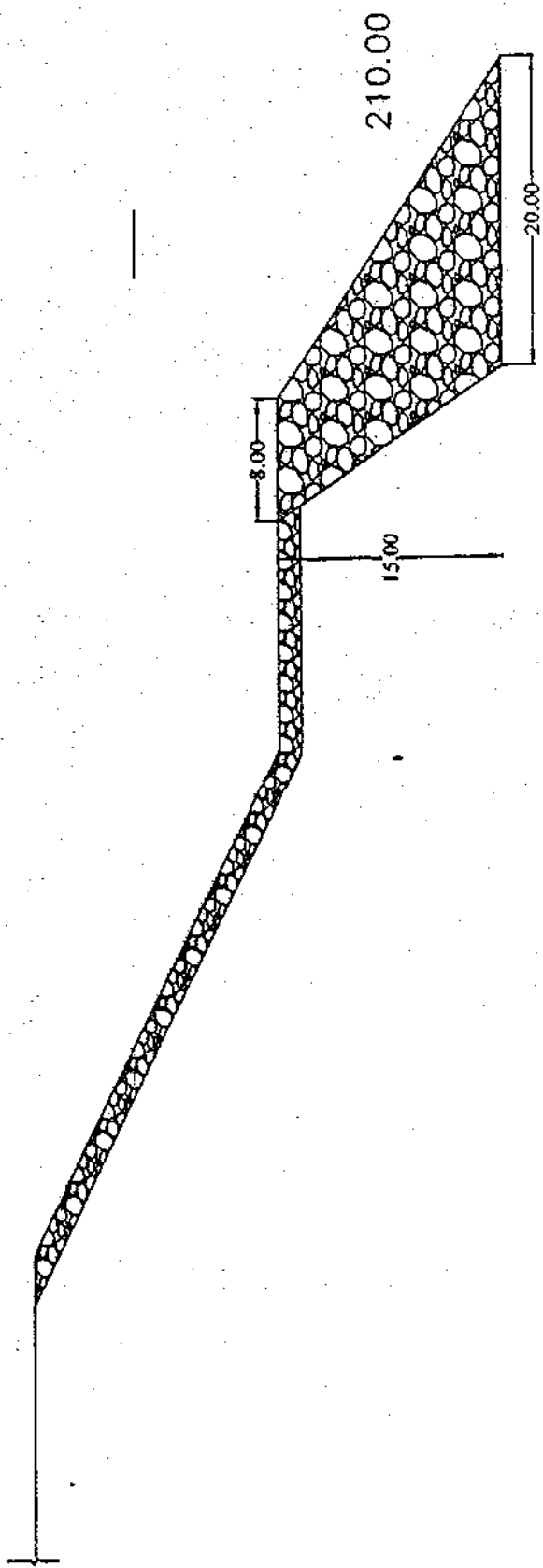
EXCAVATION AREA (M.C.)

AM
ASSISTANT EXECUTIVE ENGINEER
SUJAWAL BOND SUB-DIVISION

IRRIGATION & POWER DEPARTMENT GOVT. OF SINDH

CONSULTANTS	NAME	SIGNATURE	CLIENT	SIGNATURE	DATE
DESIGNED BY			APPROVED BY		
DRAWN BY			DATE		
CHECKED BY			SCALE		

X-SECTION OF MOLE HEAD SPUR @ MILE 2/5 1st SURJANI



7	RETAINED LEVEL
6	DISTANCE
5	RETAINED LEVEL
4	HEIGHT

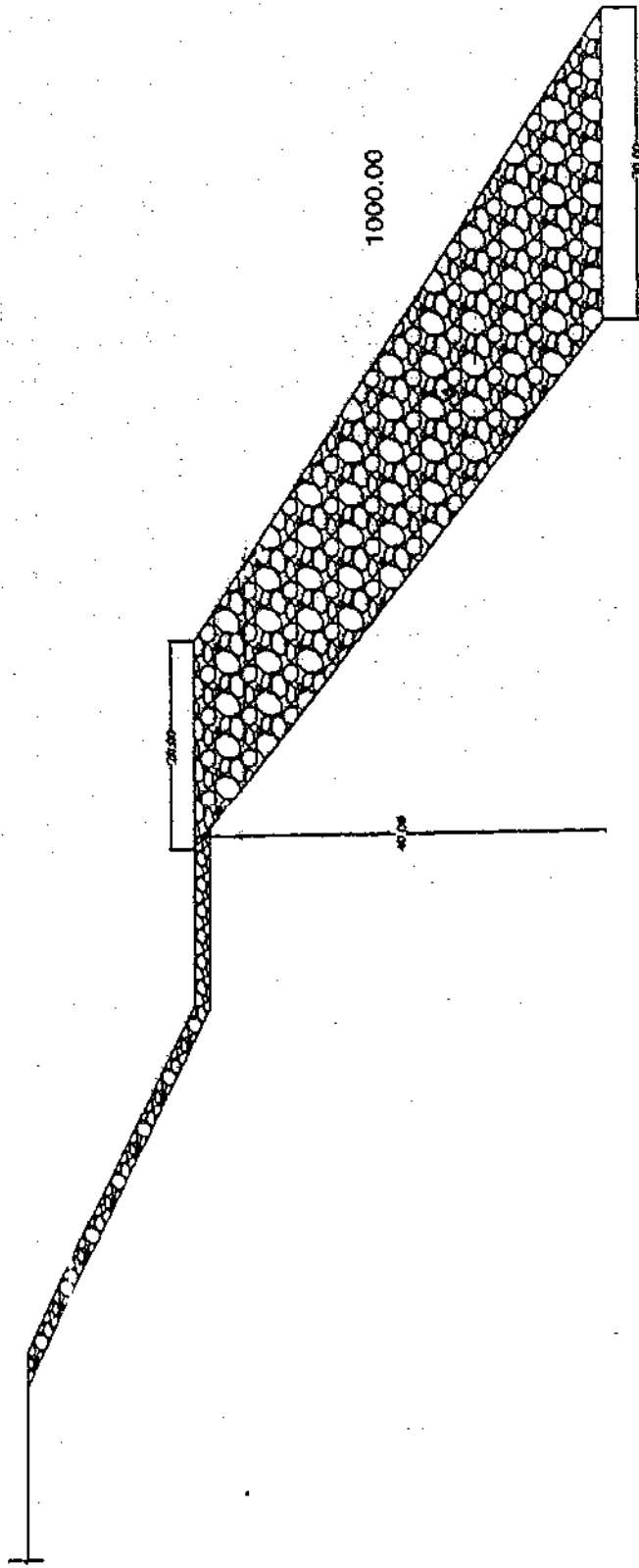
NOTES:
 ALL DIMENSIONS ARE IN FEET
 LEGEND:
 EXISTING CROSS SECTION
 DESIRED CROSS SECTION
 POST SURVEY CROSS SECTION
 FULL SURVEY LEVEL
 EXCAVATION AREA (M²)

[Signature]
 ASSISTANT EXECUTIVE ENGINEER
 SUBJAWAL BUND SUB-DIVISION

IRRIGATION & POWER DEPARTMENT GOVT. OF SINDH

CONSULTANTS	NAME	SIGNATURE	CLIENT	SIGNATURE	DATE
DESIGNED BY			APPROVED		
CHECKED BY			ISSUING NO.		
DATE			CONTRACT NO.		
			CALCULATED NO.		
			SCALE		
			DATE		

X-SECTION OF SHORT SPUR @ MILE 0/1 IInd SOJANI



2	WORKED LEVEL
11	DISTANCE
12	10 INCH LEVEL
13	DISTANCE

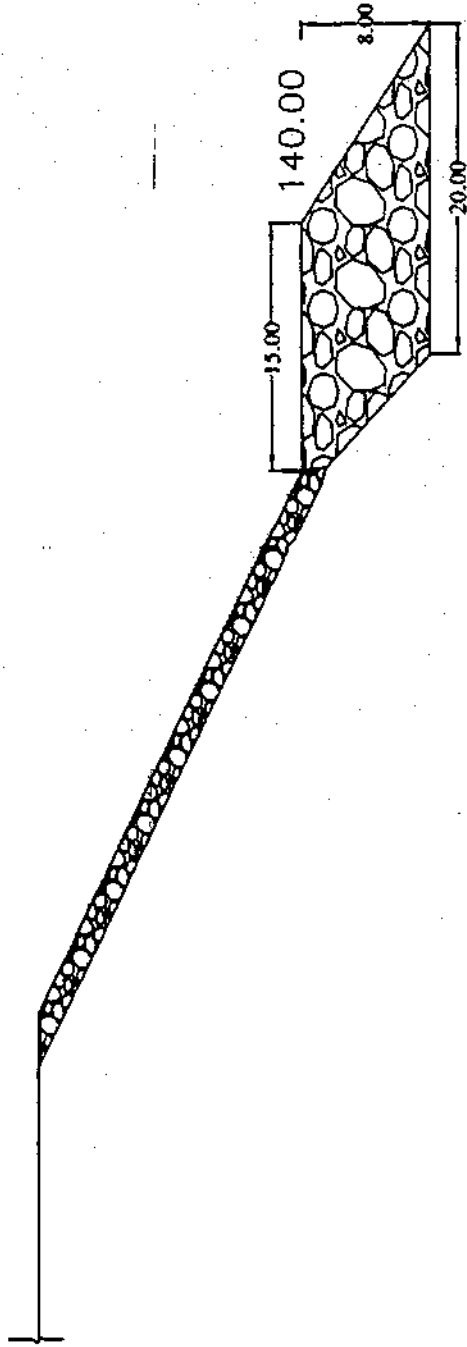
NOTES
 ALL DIMENSIONS ARE IN FEET
 LEGEND:
 EXISTING CROSS SECTION
 EXCAVATED CROSS SECTION
 POST SURVEY CROSS SECTION
 FULL SUPPLY LEVEL
 EXCAVATION AREA (SFL)
 FULL AREA (SFL)

IRRIGATION & POWER DEPARTMENT GOVT. OF SINDH

CONSULTANTS	NAME	SIGNATURE	CLIENT	SIGNATURE	DATE
DESIGNED BY	COMPUTERISED	APPROVED	DESIGNED NO.	PROJECT NO.	SCALE
CHECKED BY	DATE	DATE	PROJECT NO.	PROJECT NO.	DATE

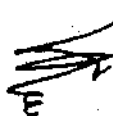
[Signature]
 ASSISTANT EXECUTIVE ENGINEER
 SOJANI BOND SUB-DIVISION

X-SECTION OF LOWER SIDE D/S T HEAD SPUR @ MILE 1/0 ۱۱۳۳ SDRJAN ۱



DESIGN	REDUCED LEVEL
	DISTANCE
EXISTING	REDUCED LEVEL
	DISTANCE

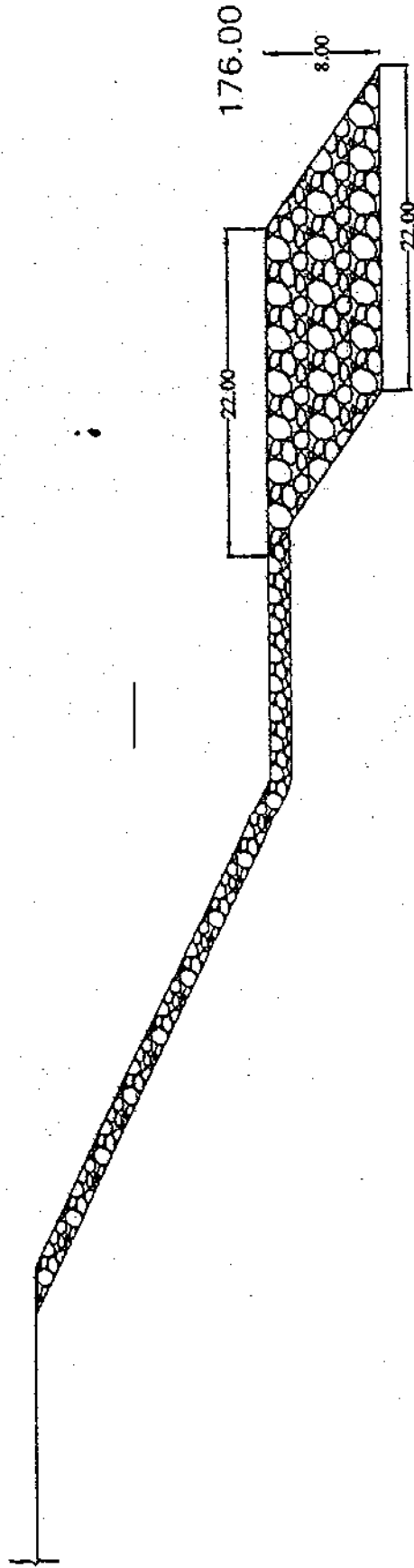
- NOTES
 ALL DIMENSIONS ARE IN FEET
- LEGEND:
- DURING CROSS SECTION
 - - - - - DESIGN CROSS SECTION
 - POST SURVEY CROSS SECTION
 - FULL SUPPLY LEVEL
 - ▨ EXCAVATION AREA (SFL)
 - ▤ FILL AREA (SFL)


 ASSISTANT EXECUTIVE ENGINEER
 SOGAHAL BOND SUB-DIVISION

IRRIGATION & POWER DEPARTMENT GOVT. OF SINDH

CONSULTANTS	NAME	SIGNATURE	CLIENT	SIGNATURE	DATE
DESIGNED BY			APPROVED		
CHECKED BY			PREPARED BY		
DRAWN BY			COMPUTER NO.		
			CALCULATED BY		
			SCALE		
			DATE		

X-SECTION OF T HEAD SPUR @ MILE 1/0 IInd SURJANI



NO. 1	REDUCED LEVEL
NO. 2	DISTANCE
NO. 3	REDUCED LEVEL
NO. 4	DISTANCE

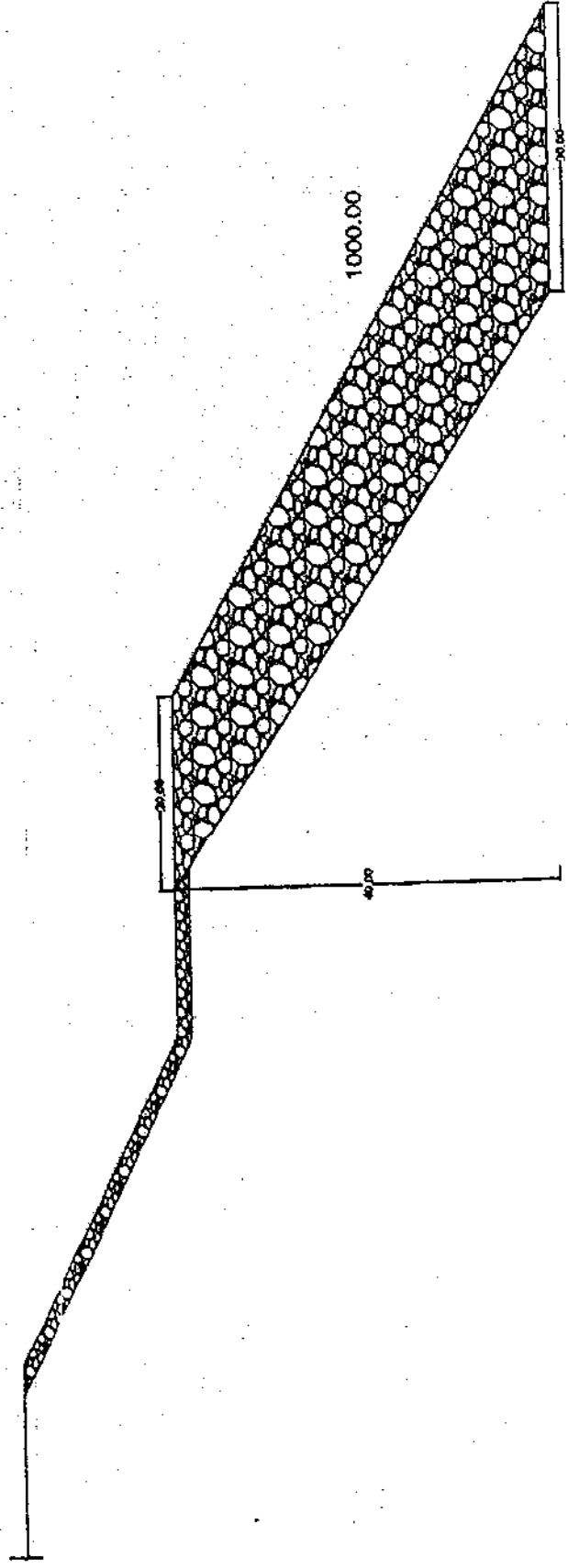
NOTES:
 ALL DIMENSIONS ARE IN FEET
 LEGEND:
 --- EXISTING CROSS SECTION
 - - - - - DESIGNED CROSS SECTION
 - - - - - POST SURVEY CROSS SECTION
 - - - - - FULL SUPPLY LEVEL
 [Hatched Box] EXCAVATION AREA (H.U.)

(Signature)
 ASSISTANT EXECUTIVE ENGINEER
 SOGA WAL BOND SOB. DIVISION

IRRIGATION & POWER DEPARTMENT GOVT. OF SINDH

CONSULTANTS	NAME	SIGNATURE	CLIENT	SIGNATURE	DATE
PROJECT NO.			APPROVED		
DATE			DESIGNED NO.		
			CHECKED NO.		
			SCALE		
			DATE		

X-SECTION OF SHORT SPUR @ MILE 3/1 J&T SURJANI



REDUCED LEVEL	
DISTANCE	
REDUCED LEVEL	
DISTANCE	

NOTES
ALL DIMENSIONS ARE IN FEET

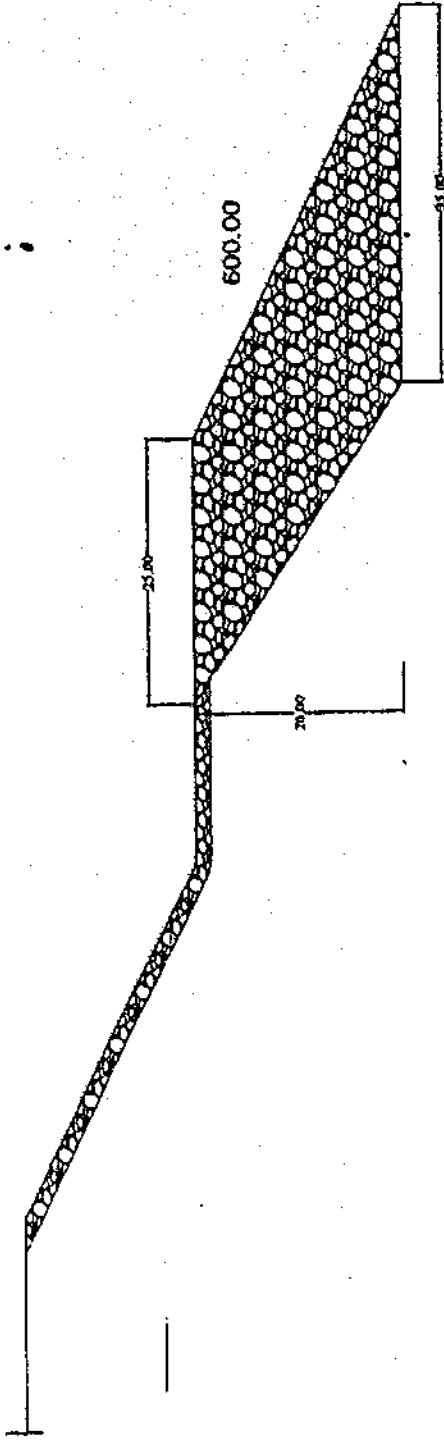
- LEGEND:
- EXISTING CROSS SECTION
 - DESIGNED CROSS SECTION
 - POST SURVEY CROSS SECTION
 - FULL SUPPLY LEVEL
 - ▨ EXCAVATION AREA (FT.)

AGENT TANT EXECUTIVE ENGINEER
SUSANAL BOND SUB-DIVISION

ROBICATION & POWER DEPARTMENT GOVT. OF SINDH

CONSULTANTS	NAME	SIGNATURE	CLIENT	SKETCH NO.	DATE
DESIGNED BY			APPROVED		
CHECKED BY			DESIGNED NO.		
DATE			CHECKED NO.		
			CALCULATED		
			SCALE		
			DATE		

APRON MILE 27+100 TO 27+450 1st SURJANI



REDUCED LEVEL	
DISTANCE	
INTEGRATED LEVEL	
DISTANCE	

NOTES
 ALL DIMENSIONS ARE IN FEET

LEGEND:
 --- EXISTING CROSS SECTION
 - - - - - DEGRADED CROSS SECTION
 --- POST SURVEY CROSS SECTION
 --- FULL SUPPLY LEVEL

EXCAVATION AREA (cu) [Hatched Box]

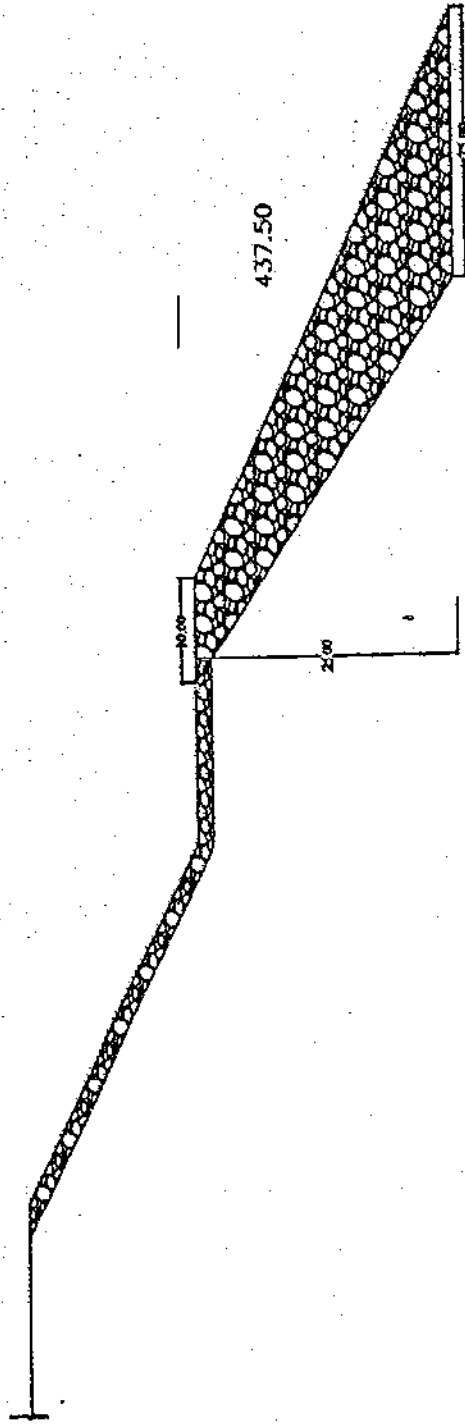
1" = 100' (vert.)

[Signature]
 ASSISTANT EXECUTIVE ENGINEER
 SUSANAL BOND SUB-DIVISION

IRRIGATION & POWER DEPARTMENT GOVT. OF SINDH

CONSULTANTS	NAME	SCHEME	CLEW	SCHEME	DATE
DESIGNER	SCHEMATIC	APPROVED	APPROVED		
DATE	DATE	DATE	DATE		
2008/05/25	2008/05/25	2008/05/25	2008/05/25		
DRAWN BY			CHECKED BY		
SCALE			SCALE		
PAGE			PAGE		

B/T MILE 2/7+450 TO 3/1+330 (POSITION = 566') IRT SURJANI



1/1	REDUCED LEVEL
1/2	DISTANCE
1/3	
2/1	REDUCED LEVEL
2/2	DISTANCE
2/3	
2/4	

NOTES
 ALL DIMENSIONS ARE IN FEET

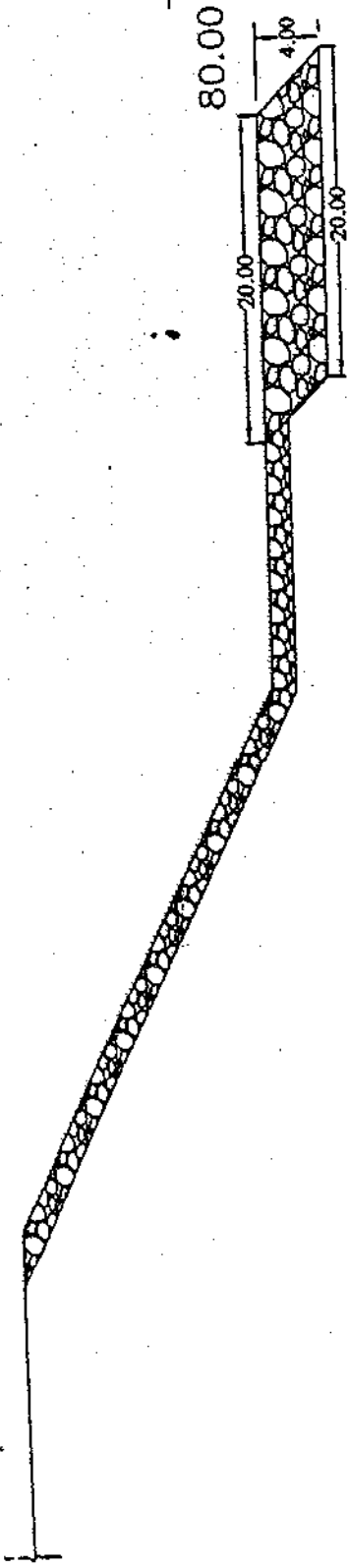
LEGEND:
 EXISTING CROSS SECTION
 DESIGNED CROSS SECTION
 POST SURVEY CROSS SECTION
 FULL SURVEY LEVEL
 EXCAVATION AREA (FILL)

ASST
 ASSISTANT EXECUTIVE ENGINEER
 SUBAWAL BAND SUB-DIVISION

IRRIGATION & POWER DEPARTMENT GOVT. OF SINDH

CONSULTANTS	NAME	SIGNATURE	CLIENT	SIGNATURE	DATE
DESIGNED BY			APPROVED BY		
CHECKED BY			DESIGNED BY		
DATE			DATE		
			PROJECT NO.		
			SCALE		

APRON 1/0 TO 1/5 SURJANI II



REDUCED LEVEL	
DISTANCE	
REDUCED LEVEL	
DISTANCE	

NOTES

ALL DIMENSIONS ARE IN FEET

LEGEND:

- EXISTING CROSS SECTION
- PROPOSED CROSS SECTION
- POST SURVEY CROSS SECTION
- FULL SURVEY LEVEL

EXCAVATION AREA (Hatched)

IRRIGATION & POWER DEPARTMENT GOVT. OF SINDH

[Signature]
 ASSISTANT EXECUTIVE ENGINEER
 SUBTANVAL BUND SOB-DIVISION

CONTRACT NO.	DATE
PROJECT NO.	APPROVED BY
DESIGN NO.	APPROVED DATE
SCALE	
PAGE	