

(INTEGRITY PACT)

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

(FOR CONTRACTSWORTHRS. 10.00 MILLIONORMORE)

Contract No. NIT/PD/100, Dated 15/12/2014. Contract Value: 348.023 Million.  
Contract Title: Construction of Water Works, Comprising on Tube Wells Storage, Cum Settling Tanks, Clear Water Tank, Pumping Machinery, Pump House, Compound Wall, P.E Rising Mains & Distribution System for Extension & Rehabilitation of Existing Water Supply Shaddadkot

M/S Mohammad Iqbal Shaikh & Co. 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 sub division 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, M/S Mohammad Iqbal Shaikh & Co. represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to any one 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, share holder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kick back, 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 what so ever form from, from Procuring Agency (PA) except that which has been expressly declared pursuant hereto.

M/S Mohammad Iqbal Shaikh & Co. 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.

M/S Mohammad Iqbal Shaikh & Co. 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, contractor other instrument, be voidable at the option of PA.

Not with standing any rights and remedies exercised by PA in this regard, M/S Mohammad Iqbal Shaikh & Co. agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kick back given by M/S Mohammad Iqbal Shaikh & Co. 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.

  
Project Director/Commissioner  
Larkana Division  
Larkana

  
[Contractor]  


**Name Of Scheme:**

**Construction Of Water Works, Comprising On Tube Wells i/c Pumping Machinery, Piping, Pump House, Clear Water Tank, Compound Wall, for I & E of Water Supply Scheme Mirokhan.**

- 1. Contract Evaluation form**
- 2. Agreement**
- 3. Integrity Pact**

# SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

## CONTRACT EVALUATION FORM

### TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF WORKS, SERVICES & GOODS

- 1) NAME OF THE ORGANIZATION / DEPTT. **Public Health Engineering Department**
- 2) PROVINCIAL / LOCAL GOVT. / OTHER **Provincial**
- 3) TITLE OF CONTRACT: **Construction of Water Works,  
Construction Of Water Works,  
Comprising On Tube Wells i/c  
Pumping Machinery, Piping,  
Pump House, Clear Water  
Tank, Compound Wall, for I & E  
of Water Supply Mirokhan**
- 4) TENDER NUMBER: **1st**
- 5) BRIEF DESCRIPTION OF CONTRACT: **Construction Of Water Works,  
Comprising On Tube Wells i/c  
Pumping Machinery, Piping,  
Pump House, Clear Water  
Tank, Compound Wall, for I & E  
of Water Supply Mirokhan**
- 6) FORUM THAT APPROVED THE SCHEME **PDWP**
- 7) TENDER ESTIMATED VALUE: **36.965 Millions**
- 8) ENGINEER'S ESTIMATE: **43.047 Millions**  
(For civil works only)
- 9) ESTIMATED COMPLETION PERIOD (AS PER CONTRACT) **12 Months**
- 10) TENDER OPENED ON (DATE & TIME) **03/10/2014 at 1.00 PM**
- 11) NUMBER OF TENDER DOCUMENTS SOLD: **04 Nos**  
(Attach list of buyers)
- 12) NUMBER OF BIDS RECEIVED **04 Nos**
- 13) NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS: **03 Nos**
- 14) BID EVALUATION REPORT **Already Sent**  
(Enclose a copy)
- 15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER: **M/s. Muhammad Iqbal Shaikh Govt.  
Contractor F/1248 Aziz Nest Near  
Ibrat Press, Gari Khata Hyderabad.**
- 16) CONTRACT AWARD PRICE **43.047 Millions**
- 17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT  
(i.e. 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> EVALUATION BID): **1<sup>st</sup> Lowest**



18) METHOD OF PROCUREMENT USED :- (Tick one)

- a) SINGLE STAGE - ONE ENVELOPE PROCEDURE: **Yes**
- b) SINGLE STAGE - TWO ENVELOPE PROCEDURE:
- c) TWO STAGE BIDDING PROCEDURE
- d) TWO STAGE - TWO ENVELOPE BIDDING PROCEDURE

PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED (e.g. EMERGENCY, DIRECT CONTRACTING / NEGOTIATION ETC. WITH BRIEF REASONS.

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT: Chief Engineer Public Health Engg:  
Department, Sukkur

20) WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?

**Yes**

21) ADVERTISEMENT :

**Yes**

i) SPPRA Website

**No.21437 dated. 18/09/2014**

(If yes, give date and SPPRA Identification No.)

ii) News Papers

**No**

(If yes, give names of newspapers and dates)

22) NATURE OF CONTRACT

**Local**

23) WHETHER QUALIFICATION CRITERIA

**Yes**

WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?

(If yes, enclose a copy)

24) WHETHER BID EVALUATION CRITERIA

**Yes**

WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?

(If yes, enclose a copy)

25) WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A

METHOD OTHER THAN OPEN COMPETITIVE BIDDING?

**No**

26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

**Yes**

27) WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED

**Yes**

BID / BEST EVALUATED BID (in case of Consultancies)

28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY

**Yes**



COMPLIANT?

29) WHETHER NAMES OF THE BIDDERS AND THEIR QUOTED PRICES WERE READ OUT AT THE TIME OF OPENING OF BIDS? **Yes**

30) WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF CONTRACT? **Yes**

( Attach copy of the bid evaluation report)

31) ANY COMPLAINTS RECEIVED **No**

32) ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER NOTICE / DOCUMENTS

( If yes, give details) **No**

33) WAS THE EXTENSION MADE IN RESPONSE TIME? **No**

( If yes, give reasons)

34) DEVIATION FROM QUALIFICATION CRITERIA **No**

( If yes, give detailed reasons.)

35) WAS IT ASSURED BY THE PROCURING AGENCY THAT THE SELECTED FIRM IS NOT **BLACK LISTED**

36) WAS A VISIT MADE BY ANY OFFICER/OFFICIAL OF THE PROCURING AGENCY TO THE SUPPLIER'S PREMISES IN CONNECTION WITH THE PROCUREMENT? IF SO, DETAILS TO BE ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD: **No**

( If yes, enclose a copy)

37) WERE PROPER SAFEGUARDS PROVIDED ON MOBILIZATION ADVANCE PAYMENT IN THE CONTRACT (BANK GUARANTEE ETC.): **Yes**

38) SPECIAL CONDITIONS, IF ANY **No**

( If yes, give Brief Description)

Signature & Official Stamp of

Authorized Officer

  
**Executive Engineer**  
**Public Health Engg. Division**  
**Larkana**



**SINDH PUBLIC PROCUREMENT REGULATORY  
AUTHORITY (SPPRA)**

**STANDARD FORM OF BIDDING DOCUMENT**

**(Civil Works—Small Works)**

This SBD shall be used for large works costing Rs.2.50 Million to Rs.50.00 Million

**Construction Of Water Works, Comprising On  
Tube Wells i/c Pumping Machinery, Piping, Pump  
House, Clear Water Tank, Compound Wall, for I  
& E of Water Supply Mirokhan.**

Issued to the:- **M/S Mohammed Iqbal Shaikh & Co**  
**Hyderabad.**

**DR No. 3362**

**30-9-2014**

  
**Project Director/Commissioner  
Larkana Division  
Larkana.**

**PROJECT DIRECTOR/ COMMISSIONER  
LARKANO DIVISION LARKANO**

**PUBLIC HEALTH ENGG: DIVISION KAMBER  
SHAHDADKOT**



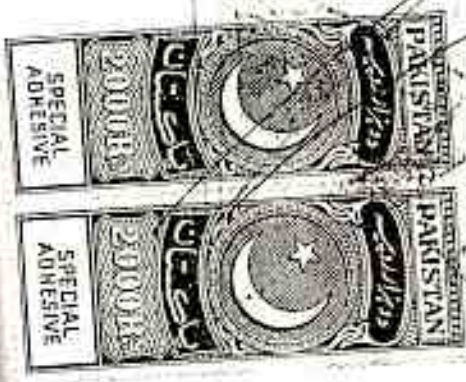


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Accountant District Accountant Hyderabad

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Project Director/Commissioner  
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Larkana



## General Conditions of Contract

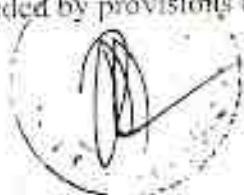
### 1. Definitions

1.1 In this Contract, the following terms shall be interpreted as indicated:

- (a) "The Contract" means the agreement entered into between the Procuring agency and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- (b) "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
- (c) "The Goods" means all of the equipment, machinery, and/or other materials which the Supplier is required to supply to the Procuring agency under the Contract.
- (d) "The Services" means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.
- (e) "GCC" means the General Conditions of Contract contained in this section.
- (f) "SCC" means the Special Conditions of Contract.
- (g) "The Procuring agency" means the organization purchasing the Goods, as named in SCC.
- (h) "The Procuring agency's country" is the country named in SCC.
- (i) "The Supplier" means the individual or firm supplying the Goods and Services under this Contract.
- (j) "The Project Site," where applicable, means the place or places named in SCC.
- (k) "Day" means calendar day.

### 2. Application

2.1 These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract.



  
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Karnataka Division  
Larkspur

3. Country of Origin

3.1 All Goods and Services supplied under the Contract shall have their origin in the countries and territories eligible under the rules and further elaborated in the SCC.

3.2 For purposes of this Clause, "origin" means the place where the Goods were mined, grown, or produced, or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.

3.3 The origin of Goods and Services is distinct from the nationality of the Supplier.

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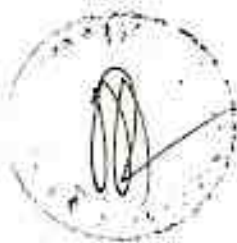
4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods' country of origin. Such standards shall be the latest issued by the concerned institution.

5. Use of Contract Documents and Information; In section and Audit by the Government

5.1 The Supplier shall not, without the Procuring agency's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Procuring agency in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

5.2 The Supplier shall not, without the Procuring agency's prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of performing the Contract.

5.3 Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Procuring agency and shall be returned (all copies) to the Procuring agency on completion of the Supplier's performance under the Contract if so required by the Procuring agency.



  
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Lucknow



- 5.4 The Supplier shall permit the Procuring agency to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the procuring agency, if so required.
6. Patent Rights 6.1 The Supplier shall indemnify the Procuring agency against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Procuring agency's country.
7. Performance Security 7.1 Within twenty(20) days of receipt of the notification of Contract award, the successful Bidder shall furnish to the Procuring agency the performance security in the amount specified in SCC.
- 7.2 The proceeds of the performance security shall be payable to the Procuring agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 7.3 The performance security shall be denominated in the currency of the Contract acceptable to the Procuring agency and shall be in one of the following forms:
- (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Procuring agency's country, in the form provided in the bidding documents or another form acceptable to the Procuring agency; or
  - (b) a cashier's or certified check.
- 7.4 The performance security will be discharged by the Procuring agency and returned to the Supplier not later than thirty (30)days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in SCC.
8. Inspections and Tests 8.1 The Procuring agency or its representative shall have the right to inspect and/or test the Goods to confirm their conformity to the Contract specification at no extra cost to the Procuring agency. SCC and the Technical Specifications shall specify what inspections and tests the Procuring agency requires and where they are to be conducted. The Procuring agency shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.
- 8.2 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at



  
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LAWSON



The Goods' final destination. If conducted on the premises of the Supplier or its sub contractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Procuring agency.

- 8.3 Should any inspected or tested Goods fail to conform to the Specifications, the Procuring agency may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Procuring agency.
- 8.4 The Procuring agency's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival in the Procuring agency's country shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Procuring agency or its representative prior to the Goods' shipment from the country of origin.
- 8.5 Nothing in GCC Clause 8 shall in anyway release the Supplier from any warranty or other obligations under this Contract.

## 9. Packing

- 9.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the Procuring agency.

## 10. Delivery and Documents

- 10.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping and/or other documents to be furnished by the Supplier are specified in SCC.
- 10.2 Documents to be submitted by the Supplier are specified in SCC.



  
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Larkana

**11. Insurance**

11.1 The Goods supplied under the Contract shall be delivered duty paid(DDP) under which risk is transferred to the buyer after having been delivered. hence insurance coverage is sellers responsibility.

**12. Transportation**

12.1 The Supplier is required under the Contract to transport the Goods to a specified place of destination within the Procuring agency's country, transport to such place of destination in the Procuring agency's country, including insurance and storage, as shall be specified in the Contract, shall bear ranged by the Supplier, and related costs shall be included in the Contract Price.

**13. Incidental Services**

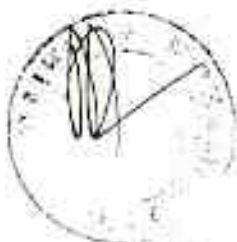
13.1 The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:

- (a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;
- (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- (e) training of the Procuring agency's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

13.2 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged for other parties by the Supplier for similar services.

**14. Spare Parts**

14.1 As specified in SCC, the Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:



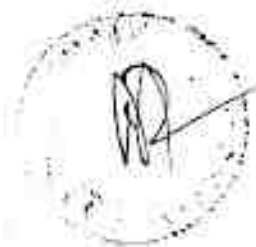
  
Project Director/Commissioner  
Arkansas Division  
COST ACCOUNTS



- (a) such spare parts as the Procuring agency may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
- (b) in the event of termination of production of the spare parts:
  - (i) advance notification to the Procuring agency of the pending termination, in sufficient time to permit the Procuring agency to procure needed requirements; and
  - (ii) following such termination, furnishing at no cost to the Procuring agency, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty

- 15.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Procuring agency's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.
- 15.2 This warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.
- 15.3 The Procuring agency shall promptly notify the Supplier in writing of any claims arising under this warranty.
- 15.4 Upon receipt of such notice, the Supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Procuring agency.
- 15.5 If the Supplier, having been notified, fails to remedy the defect(s)



  
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 Larkana



Within the period specified in SCC, within an available period, the Procuring agency may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Procuring agency may have against the Supplier under the Contract.

## 16. Payment

16.1 The method and conditions of payment to be made to the Supplier under this Contract shall be specified in SCC.

16.2 The Supplier's request(s) for payment shall be made to the Procuring agency in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to GCC Clause 10, and upon fulfillment of other obligations stipulated in the Contract.

16.3 Payments shall be made promptly by the Procuring agency, but in no case later than sixty (60) days after submission of an invoice or claim by the Supplier.

16.4 The currency of payment is Pak. Rupees.

## 17. Prices

17.1 Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in SCC or in the Procuring agency's request for bid validity extension, as the case may be.

## 18. Change Orders

18.1 The Procuring agency may at any time, by a written order given to the Supplier pursuant to GCC Clause 31, make changes within the general scope of the Contract in any one or more of the following:

- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Procuring agency;
- (b) the method of shipment or packing;
- (c) the place of delivery; and/or
- (d) the Services to be provided by the Supplier.

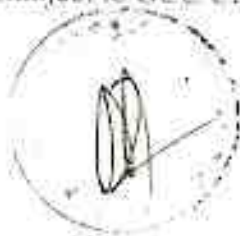
18.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be



  
Principal Director/Chief Engineer  
Larkana Division  
Larkana

Made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Procuring agency's change order.

19. Contract Amendments
- 19.1 Subject to GCC Clause 18, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.
20. Assignment
- 20.1 The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Procuring agency's prior written consent.
21. Subcontracts
- 21.1 The Supplier shall notify the Procuring agency in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.
- 21.2 Sub contracts must comply with the provisions of GCC Clause 3.
22. Delays in the Supplier's Performance
- 22.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Procuring agency in the Schedule of Requirements.
- 22.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Procuring agency in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Procuring agency shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.
- 22.3 Except as provided under GCC Clause 25, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 23, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of liquidated damages.
23. Liquidated
- 23.1 Subject to GCC Clause 25, if the Supplier fails to deliver any or



  
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Ministry of Education  
Kuala Lumpur



## Damages

all of the Goods or to perform the Services within the period(s) specified in the Contract, the Procuring agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in SCC. Once the maximum is reached, the Procuring agency may consider termination of the Contract pursuant to GCC Clause 24.

## 24. Termination for Default

24.1 The Procuring agency, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:

- (a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring agency pursuant to GCC Clause 22; or
- (b) if the Supplier fails to perform any other obligation(s) under the Contract;
- (c) if the Supplier, in the judgment of the Procuring agency has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this clause:

"corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

"fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition.

24.2 In the event the Procuring agency terminates the Contract in whole or in part pursuant to GCC Clause 24.1, the Procuring agency may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those

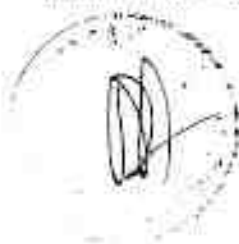


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undelivered, and the Supplier shall be liable to the Procuring agency for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

25. Force Majeure
- 25.1 Notwithstanding the provisions of GCCC clauses 22, 23 and 24, the Supplier shall not be liable for failure of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 25.2 For purposes of this clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Procuring agency in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 25.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring agency in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring agency in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
26. Termination for Insolvency
- 26.1 The Procuring agency may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Procuring agency.
27. Termination for Convenience
- 27.1 The Procuring agency, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Procuring agency's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- 27.2 The Goods that are complete and ready for shipment within thirty(30) days after the Supplier's receipt of notice of termination shall be accepted by the Procuring agency at the



  
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Contract terms and prices. For the remaining Goods, the Procuring agency may elect:

- (a) to have any portion completed and delivered at the Contract terms and prices; and/or
- (b) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Supplier.

**28. Resolution of Disputes**

28.1 The Procuring agency and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

28.2 If, after thirty (30) days from the commencement of such informal negotiations, the Procuring agency and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in SCC. These mechanisms may include, but are not restricted to, conciliation mediated by a third party, adjudication in an agreed manner and/or arbitration.

**29. Governing Language**

29.1 The Contract shall be written in the language specified in SCC. Subject to GCC Clause 30, the version of the Contract written in the specified language shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

**30. Applicable Law**

30.1 The Contract shall be interpreted in accordance with the laws of the Procuring agency's country, unless otherwise specified in SCC.

**31. Notices**

31.1 Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or by cable, telex, or facsimile and confirmed in writing to the other party's address specified in SCC.

31.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

**32. Taxes and Duties**

32.1 Suppliers shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Procuring agency.



  
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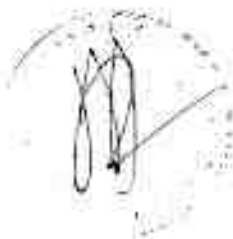
### Notes on the Instructions to Bidders

This section of the bidding documents provides the information necessary for bidders to prepare responsive bids in accordance with the requirements of the Procuring agency. It also provides information on bid submission, opening, and evaluation, and on the award of contract.

Part One Section I contains provisions that are to be used unchanged. Part Two Section II consists of provisions that supplement, amend, or specify in detail information or requirements included in Part One Section I and which are specific to each procurement.

Matters governing the performance of the Supplier, payments under the contract, or matters affecting the risks, rights, and obligations of the parties under the contract are not normally included in this section, but rather under Part one Section II, General Conditions of Contract, and / or Part Two Section III, Special Conditions of Contract. If duplication of a subject is inevitable in the other sections of the document prepared by the Procuring agency, care must be exercised to avoid contradictions between clauses dealing with the same matter.

These Instructions to Bidders will not be part of the contract.



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PROJECT DIRECTOR / COMMISSIONER  
LARKANO DIVISION  
LARKANO

# 074-9410245  
# 074-9410304  
saeedmagnejo@yahoo.com  
/ol/2014  
15- /Dec 2014

No. PD/NT/ 101  
Larkano dated:

M/s Muhammad Iqbal Shaikh & Co,  
F/1248, Aziz Nest, Near Ibrat Press,  
Gari Khata, Hyderabad.

**Subject:** Construction Of Water Works, Comprising On Tube Wells w/ Pumping Machinery, Piping, Pump House, Clear Water Tank, Compound Wall, for I. & E of Water Supply Mirokhan

**Reference:** Your rate quoted on dated 03/10/2014 is approved by Chief Engineer, PHED Sukkur vide No. GM/PHED/3089 dated 09/12/2014.

Your percentage rate for tender amount Rs. 35,407,192/- (Rupees Thirty Five Million, Four Hundred Seven Thousand & One Hundred Ninety Two) only @ Rs.33.25% above the schedule items, except Non Schedule items, entered in the "Bill of Quantities" which works out to Rs: 16.45% above the estimated cost, being the lowest evaluated rate in competition, recommended by the Procurement Committee is accepted.

You are, therefore, directed to please start the work within seven (07) days after issuance of the Letter of Award according to drawing, design & specifications under the supervision of Executive Engineer, Public Health Engg: Division Kamber-Shahdadkot @ Kamber & instructions from undersigned.

No premium will be allowed on non-schedule items.

No Extra charges such as Taxes, Octrol, packing or transportation of material etc will be paid separately.

The work shall have to be completed by you within the period of Twelve (12) Months as provided in the Notice Inviting tender.

The Sindh Sales Tax Special Producer (withholding) Rules, 2011 shall apply to taxable service as are supplied, provided or rendered to persons, specified as withholding agents, in the withholding procedure, for the purpose of Deduction and Deposit of Sales Tax.

The claim of contractor for payment will be entertained subject to availability of funds.

The undersigned and the Engineer In-charge, reserves the right to reject any or all parts of it or order for replacement, if it is not done as per drawing, design & specifications.

Please, attend this office to complete the tender documents and execute the contract Agreement.

3A/Photocopy of Bill of Quantities

(Dr. Saeed Ahmed Magnejo)  
Project Director/ Commissioner  
Larkano Division  
Larkano

CC.

- Chief Engineer, Public Health Engineering Department, Sukkur,
- Director (C.B) Sindh Public Procurement Regulatory Authority, Barrack 8 Secretariat 4A Court Road Karachi Tel: 92-21-99205369
- Superintending Engineer, PHE Circle, Larkano.
- Executive Engineer PHE Division-Kamber-Shahdadkot @ Kamber,



(INTEGRITY PACT)

**DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC; PAYABLE BY  
CONTRACTORS.**  
(FOR CONTRACTSWORTHRS. 10.00 MILLIONORMORE)

Contract No. NIT/PD/101, Dated 15/12/2014. Contract Value: 43.048 Million.  
Contract Title: Construction of Water Works comprising in Tube Wells i/e Pumping Machinery, Piping, Pump House, Clear Water Tank, Compound Wall for Improvement & Extension of Water Supply Scheme Mirokhan


M/S Mohammad Iqbal Shaikh & Co. 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 sub division 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, M/S Mohammad Iqbal Shaikh & Co. represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to any one 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, share holder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kick back, 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 what so ever form from, from Procuring Agency (PA) except that which has been expressly declared pursuant hereto.

M/S Mohammad Iqbal Shaikh & Co. 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.

M/S Mohammad Iqbal Shaikh & Co. 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, contractor other instrument, be voidable at the option of PA.

Not with standing any rights and remedies exercised by PA in this regard, M/S Mohammad Iqbal Shaikh & Co. agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kick back given by M/S Mohammad Iqbal Shaikh & Co. 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.

  
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### Notes on the General Conditions of Contract

The General Conditions of Contract in Part One Section II, read in conjunction with the Special Conditions of Contract in Part Two Section III and other documents listed therein, should be a complete document expressing all the rights and obligations of the parties.

The General Conditions of Contract herein shall not be altered. Any changes and complementary information, which may be needed, shall be introduced only through the Special Conditions of Contract in Part Two Section III.



A large, stylized handwritten signature in black ink.

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Ladakh



**BIDDING DOCUMENTS  
FOR**

**Construction Of Water Works, Comprising On Tube Wells i/e Pumping Machinery, Piping, Pump House, Clear Water Tank, Compound Wall, for I & E of Water Supply Mirokhan.**

**PART TWO (PROCUREMENT SPECIFIC PROVISIONS)**

- Invitation for Bids (IFB)
- Bid Data Sheet (BDS)
- Special Conditions of Contract (SCC)
- Schedule of Requirements
- Technical Specifications:
  - Sample Form
  - Eligibility



  
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## Preface

These Bidding Documents have been prepared for use by procuring agencies in the procurement of goods through National Competitive Bidding (NCB).

In order to simplify the preparation of bidding documents for each procurement, the Bidding Documents are grouped in two parts based on provisions which are fixed and that which are specific for each procurement. Provisions which are intended to be used unchanged are in Part one, which includes Section I, Instructions to Bidders, and Section II, General Conditions of Contract. Data and provisions specific to each procurement and contract are included in Part Two which includes Section II, Bid Data Sheet; Section III, Special Conditions of Contract; Section IV, Schedule of Requirements; Section V, Technical Specifications, and the forms to be used in Section I, Invitation for Bids, and Section VI, Sample Forms.

This is Part Two and contains data and provisions specific to each procurement. Care should be taken to check the relevance of the provisions of the Bidding Documents against the requirements of the specific goods to be procured. The following general directions should be observed when using the documents. In addition, each section is prepared with notes intended only as information for the Procuring agency or the person drafting the documents. They shall *not* be included in the final documents, except for the notes introducing Section VI, Forms, where the information is useful for the Bidder.

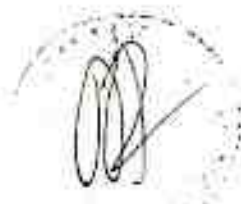
- (a) Specific details, such as the "name of the Procuring agency" and "address for bid submission," should be furnished in the Invitation for Bids, in the Bid Data Sheet, and in the Special Conditions of Contract. The final documents should contain neither blank spaces nor options.
- (b) Amendments, if any, to the Instructions to Bidders and to the General Conditions of Contract should be made through the Bid Data Sheet and the Special Conditions of Contract, respectively.
- (c) Foot notes or notes in italics included in the Invitation for Bids, Bid Data Sheet, Special Conditions of Contract, and in the Schedule of Requirements are not part of the text of the document, although they contain instructions that the Procuring agency should strictly follow. The final document should contain no footnotes.



  
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- (d) The criteria for bid evaluation and the various methods of evaluation in the Instructions to Bidders (Clauses 25.3 and 25.4, respectively) should be carefully reviewed. Only those that are selected to be used for the procurement in question should be retained and expanded, as required, in the Bid Data Sheet or in the Technical Specifications, as appropriate. The criteria that are not applicable should be deleted from the Bid Data Sheet.
- (e) Clauses included in the Special Conditions of Contract are illustrative of the provisions that should be drafted specifically by the Procuring agency for each procurement.
- (f) The forms provided in Section VI should be completed by the Bidder or the Supplier; the foot notes in these forms should remain, since they contain instructions which the Bidder or the Supplier should follow.



  
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## BILL OF QUANTITIES

Name of work: -

Construction of Water Works comprising in Tube Wells i/c Pumping Machinery, Piping, Pump House, Clear Water Tank, Compound Wall for Improvement & Extension of Water Supply Scheme Mirokhan District Government work

Item	Quantities	Description & rate of item to be executed at site	Rate	Unit	Amount Rupees
1	2	3	4	5	6

**A: - TUBE WELL 05 NOS:**

01. Boring for tube well in all bearing soils from ground level upto 100' or 30.50 meters depth i/c sinking & with drawing of casing pipe. (PHSI No: 1,P-41)

100.00 Rft: @Rs: 743/- P.Rft: Rs: 74300/-

02. Taking & preserving in box 2 lbs; (1 K.g) samples of strata from bore holes. (PHSI No:6,P-43)

08 Samples: @Rs:101/- P.each: Rs: 808/-

03. Taking samples of water from bore holes and placing in two separate bottles. (PHSI No:7,P-43)

4 Samples: @Rs:131/- P.each: Rs: 524/-

04. Supplying & Installing PVC strainer 'B' class of approved design, quality and make i/c necessary sockets etc complete. (PHSI No:9,P-43)

25.00 Rft: 8" dia. @Rs:554/05 P.Rft: Rs: 13851/-

05. Supplying & Installing PVC blind pipe 'B' class of approved design, quality and make i/c necessary sockets etc complete. (PHSI No:12,P-12)

75.00 Rft: 8" dia. @Rs:516/80 P.Rft: Rs: 38760/-

06. Shrouding with graded Bajri (3/8" to 1/8") or (9 to 3 mm) in between bore and blind pipe for the following diameters of strainers. (PHSI No:13,P-31)

100.00 Rft: 8" dia. @Rs: 105/- P.Rft: Rs: 10500/-

07. Providing & Fixing of PVC end plug of approved quality (PHSI No: 1, P-18)

01 No: @Rs: 1000/- P.each Rs: 1000/-

08. Supplying & Fixing of MS tail plug (PHSI No: 3, P-43)

01 No: @Rs: 2607/- P.each Rs: 2607/-

09. Development of Tube Well (PHSI No: 8 (a), P-43)

100.00 rft @Rs: 200/- P.Rft Rs: 20000/-

Total: -

Rs: 1,62,350/-

For 5 Nos: 1,62,350/- x 5 =

Rs: 8,11,750/-

**B: - PUMP HOUSE (8'x8') 07 NOS:**

01. Excavation for foundation of building, bridges & other structure i/c deg belling dressing, refilling around the structure with excavated earth with rammung lead upto eye chain and lift upto 5' (CSI No:8(b),P-4)

140.00 cft. @Rs: 3176/25

P%0cft. Rs: 445



02. C. C. brick or stone ballast 1 1/2" to 2" gauge Ratio 1:4:8 (CSI No:4,P-16)			
54.16 cft.	@Rs: 9416/28	P%cft.	Rs: 5100/-
03. Pucca brick work in foundation and plinth in cement sand mortar Ratio 1:6 (CSI No:4, P-23)			
157.83 cft.	@Rs: 11948/36	P%cft.	Rs: 18958/-
04. D.P.C with cement sand shingle concrete 1:2:4 i/c 2 coats of asphalted mixture 3" thick (CSI No:28 (c), P-28)			
39.54 sft.	@Rs:4982/18	P%sf.	Rs: 1970/-
05. Pucca brick work in ground floor i/c striking of joints upto 12" height. (CSI No:5,P-25) Ratio 1:6			
233.26 cft.	@Rs: 12674/36	P%cft.	Rs: 29564/-
06. Making and fixing steel grated door with 1/16" thick & 3/8" sq. bars @ 4" c/c with locking arrangements. (CSI No: 24,P-9)			
22.75 sft.	@Rs: 726/72	P.sft.	Rs: 16533/-
07. R.C.C work in roof, slab, beams, columns, rafters, lintels and other structural members laid in situ or precast laid in position etc complete. Ratio 1:2:4. (CSI No: 6, P-16)			
52.11 cft.	@Rs: 337/-	P.Cft.	Rs: 17561/-
08. Fabrication of M.S reinforcement for C.C i/c cutting, bending, laying in position making joints fastening i/c cost of binding wire also i/c removal of rust from bars. (CSI No:8, P-16) Using Tor bars			
2.09 cwt.	@Rs: 5001/70	P.Cwt.	Rs: 10454/-
09. Filling watering ramming earth in floor with surplus earth from foundation lead upto one chain and lift upto 5' (CSI No: 21,P-4)			
101.61 cft.	@Rs: 1512/50	P%0cft.	Rs: 154/-
10. Providing, Laying 1" thick topping C.C 1:2:4 i/c surface finishing and dividing into panels 3" thick (CSI No:16,P-41)			
64.00 sft.	@Rs: 4411/82	P%sf.	Rs: 2824/-
11. Cement Plaster 1:6, 1/2" thick upto 12' height (CSI No:10,P-58)			
399.04 sft.	@Rs: 2206/60	P%sf.	Rs: 8805/-
12. Cement Plaster 1:4, 3/8" thick upto 12' height (CSI No:10,P-58)			
399.04 sft.	@Rs: 2197/52	P%sf.	Rs: 8769/-
13. Cement pointing struck joints on walls 1:3 (CSI No:19,P-54)			
345.25 sft.	@Rs: 1213/58	P%sf.	Rs: 4190/-
14. Painting new surface preparing surface painting of doors and windows of any type i/c edges. (CSI No:5,P-76) Two coats			
69.50 sft.	@Rs: 2116/41	P%sf.	Rs: 1471/-
15. White washing three coats. (CSI No:26 (b),P-55)			
106.00 sft.	@Rs: 829/95	P%sf.	Rs: 879/-
16. Distemping two coats. (CSI No:25 (h), P-60)			
744.29 sft.	@Rs: 1043/90	P%sf.	Rs: 7770/-

17. Fabrication of heavy steel with angles tees flat iron round iron and sheet iron for making tresses girders, tanks etc i/e cutting drilling riveting handling assembling and fixing but excluding Erection in position. (GSI No: 2, P-90)

1.01 cwt. @Rs: 4928/49 P.Cwt. Rs: 4978/-

18. Erection & Fitting in position of iron trusses staging of water tanks etc. (GSI No: 3, P-91)

1.01 cwt @Rs: 271/04 P.cwt Rs: 274/-

Total: - Rs: 140599/-

For 7 Nos: 140599/- x 7 = Rs: 984193/-

C: - PUMP HOUSE (24.10 x 12.0) (19.50 x 11.62)

01. Pucca brick work in ground floor i/e striking of joints upto 20' height. (CSI No:5,P-25) Ratio 1:6

458.75 cft @Rs: 12674/36 P%cft. Rs: 58144/-

02. Making and Fixing steel grated door with 1/16" thick & 1/4" sq: bars @ 4" c/c with locking arrangements. (CSI No:4,P-91)

24.50 sft. @Rs: 726/72 P.Sft. Rs: 17441/-

04. Reinforcement cement concrete work i/e all Labour and material except the cost of steel reinforcement and its Labour for bending and binding which will paid separately. This rate also i/e all kinds of forms moulds, lifting shuttering curing rendering and finishing and exposed surface i/e screening and washing of shingle. R.C.C work in roof, slab, beams, columns, rafts, lintels & other structural members laid in situ or precast laid in position etc complete. Ratio 1:2:4 (GSI No:6(a), P-19)

168.66 cft. @Rs: 337/- P.Cft. Rs: 56838/-

04. Fabrication of M.S reinforcement for C.C i/e cutting, bending, laying in position making joints fastening i/e cost of binding wire also i/e removal of rust from bars. (CSI No:7, P-20)

6.77 cwt. @Rs: 5001/70 P.Cwt. Rs: 33862/-

05. Providing, & Fixing 3/8" Marble tiles of approved quality and colour and shade size 8"x4" / 6"x4" in dado skirting and facing removal / tacking of existing plaster surface etc over 1/2" thick base of cement plaster 1:3 setting of tiles in slurry of white cement over mortar base i/e filling the joints and washing the tiles with white cement slurry curing finishing cleaning and polishing etc complete. (CSI No: 68, P-49) 55

226.59 sft. @Rs: 186/04 P.Sft. Rs: 42155/-

05. Cement Plaster 1:6, 1/2" thick upto 12' height. (CSI No:10,P-58)

600.00 sft. @Rs: 2206/60 P% sft. Rs: 13240/-

07. Cement Plaster 1:4, 3/8" thick upto 12' height. (CSI No:10,P-58)

600.00 sft. @Rs: 2197/52 P% sft. Rs: 13185/-

08. Cement pointing struck joints on walls 1:3 (CSI No:19,P-54)

661.90 sft. @Rs: 1213/58 P% sft. Rs: 8033/-

09. Painting new surface preparing surface painting of doors and windows of any type i/e edges. (CSI No:5,P-76) Two coats

121.00 sft. @Rs: 2197/52 P% sft. Rs: 2659/-

10. White washing (2 coats) (CSI No:26,P-59)

937.95 sft. @Rs: 829/95 P% sft. Rs: 7785/-

11. Distemping 2 coats. (CSI No:24(b),P-60)

1261.90 sft. @Rs: 1043/90 P% sft. Rs: 13173/-



12. Fabrication of heavy steel with angles tees flat iron round iron and sheet iron for making trusses girders, tanks etc i/e cutting drilling riveting handling assembling and fixing but excluding Erection in position. (GSI No: 2, P-90)

3.05 cwt. @Rs: 4928/49 P.Cwt. Rs: 15037/-

13. Erection & Fitting in position of iron trusses slaying of water tanks etc. (GSI No: 3, P-91)

3.05 cwt @Rs: 271/04 P.cwt Rs: 827/-

Total: - Rs: 282374/-

**D: - COMPOUND WALL SIZE (110'x80').**

01. Excavation for foundation of building, bridges and other structure i/e deg belling dressing refilling around the structure with excavated earth watering ramming lead up to one chain and lift up to 5.0 ft. in ordinary soil. (CSI No.18(h) page-05)

1207.12 Cft. @ Rs.3176/25 P%0Cft Rs: 3834/-

02. C.C Brick or Stone Ballast 1 1/2" to 2" gauge 1:4:8. (CSI No.5 p-16).

301.00 Cft. @ Rs. 9416/28 P%Cft. Rs. 28343/-

03. Pucca brick work in foundation and plinth in cement sand mortar 1:6 (GSI No:4(e),P-25)

1506.99 cft @Rs: 11948/36 P%cft. Rs: 180061/-

04. DPC with cement sand shingle concrete 1:2:4 i/e two coats of asphalt mixture. (CSI No.27 p-28). 3" THICK

287.00 sft. @ Rs. 4982/18 P% sft. Rs. 14299/-

05. Pucca Brick work other than building i/e striking of joints upto 20' height in cement sand mortar 1:6. (CSI No.7(i)P-26).

1093.50 Cft. @ Rs. 12346/65 P%Cft. Rs. 135011/-

06. Reinforcement cement concrete work i/e all Labour and material except the cost of steel reinforcement and its Labour for bending and binding which will paid separately. This rate also i/e all kinds of forms moulds, lifting shuttering curing rendering and finishing and exposed surface i/e screening and washing of shingle. R.C.C work in roof, slab, beams, columns, rafts, lintels & other structural members laid in situ or precast laid in position etc complete. Ratio 1:2:4 (GSI No:6(a), P-19)

112.25 cft. @Rs:337/- P.Cft. Rs: 37828/-

07. Fabrication of M.S reinforcement for C:C i/e cutting, bending, laying in position making joints fastening i/e cost of binding wire also i/e removal of rust from bars. (GSI No: 7(ii), P-20)

4.00 cwt. @Rs: 5001/70 P.Cwt. Rs: 20007/-

08. Cement Plaster (1:6) 1/2" thick up to 12' Height. (CSI No.12(a) Page-58)

2765.00 Sft. @ Rs. 2206/60 P%Sft Rs. 61012/-

09. Cement Plaster (1:4) 3/8" thick up to 12' Height. (CSI No.11(b) page-53)

2765.00 Sft. @ Rs. 2197/52 P%Sft Rs. 60761/-

10. Cement pointing struck joints on walls. Ratio 1:3 (CSI No.19 (b) P-59)

1296.00 sft @ Rs. 1213/58 P%Sft Rs: 15728/-



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11. Making and Fixing steel grated doors and windows with 1/16" thick sheeting i/c angle iron frame 2"x2"x 3/8" and 3/4" sq. bars 4" center to center with locking arrangements. (CSI No:23,P-97)

60.00 sft @ Rs: 726/72 P.Sft Rs: 43603/-

12. White washing 3 coats (CSI No: 28, P-60)

2765.00 sft @ Rs: 829/95 P% sft Rs: 22948/-

13. Distemporing two coats (CSI No: 24, P-60)

4061.00 sft @ Rs: 1043/90 P% sft Rs: 42393/-

14. Painting new surface preparing surface & painting of door & windows grating. (CSI No. 4(d) P-76) 3 coats

120.00 sft @ Rs: 2116/41 P% Sft. Rs. 2540/-

Total Rs. 668368/-

E: - R.C.C Clear-Water Tanks (size 50'x40')

01. Excavation for tanks and reservoirs in soft soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting i/c laying of earth in 6" thick layers construction of banks and dressing and disposal of surplus earth within one chain or as directed by Engineer Incharge i/c providing fence guards light flanges where ever required lift upto 5' and lead upto one chain. (PHSI No:14,P-67)

7425.00 cft. @Rs: 3000/- P%0cft. Rs: 22275/-

02. Excavation for tanks and reservoirs in wet soil / clay or mud i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting i/c laying of earth in 6" thick layers construction of banks and dressing and disposal of surplus earth within one chain or as directed by Engineer Incharge i/c providing fence guards light flanges where ever required lift upto 5' and lead upto one chain. (PHSI No:14,P-52)

4950.00 cft. 0'-5' depth @Rs: 4800/- P%0cft. Rs: 23760/-

7128.00 cft. 5'-8' depth @Rs: 5350/- P%0cft. Rs: 38135/-

2376.00 cft. 8'-11' depth @Rs: 5900/- P%0cft. Rs: 14018/-

03. C. C. brick or stone ballast 1 1/2" to 2" gauge Ratio 1:4:8 (CSI No:4,P-16)

2523.00 cft. @Rs: 9416/28 P%cft. Rs: 237573/-

04. Reinforcement cement concrete work i/c all Labour and material except the cost of steel reinforcement and its Labour for bending and binding which will paid separately. This rate also i/c all kinds of forms moulds, lifting shuttering curing rendering and finishing and exposed surface i/c screening and washing of shingle. R.C.C work in roof, slab, beams, columns, rafts, lintels & other structural members laid in situ or precast laid in position etc complete. Ratio 1:2:4 (GSI No:6(a), P-19)

5994.87 cft. @Rs: 337/- P.Cft. Rs: 2020271/-

05. Fabrication of M.S reinforcement for C.C i/c cutting, bending, laying in position making joints fastening i/c cost of binding wire also i/c removal of rust from bars. (GSI No: 7(ii), P-20) Tor Bars

294.39 cwt. @Rs: 5001/70 P.Cwt. Rs: 1472450/-

06. Providing "Expansion Joint" in concrete work of 9" wide corrugated PVC water stop with bulb i/c soldering cost of material & Labour (PHSI No: 2, P-56)

540.00 Rft: @Rs: 86/- P.Rft Rs: 46440/-

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07. Providing & Fixing C.I ventilators weight not less than 80 lbs; in tank roof of approved design with water inlet joint i/c painted etc complete. (PHSI No: 1, P-43)			
02 Nos:	@Rs: 4870/-	P.each	Rs: 9740/-
08. Cement Plaster 1:4, 1/2" thick upto 12' height. (GSI No: 12 P-38)			
2160.00 sft.	@Rs: 2283/93	P%sft.	Rs: 49333/-
09. Providing & Fixing C.I manhole covers with frame i/c cost of material etc. (PHSI No:1 (d),P-23)			
4.50 cwt	@ Rs. 6985/-	P.Cwt	Rs: 31433/-
10. C.I Foot Slips (Approved Rate N.S.I)			
08 Nos:	@Rs: 161/50	P.each	Rs: 1292/-
11. Denpo / Puddle (G.S.M.S.I No: 46, P-78)			
80.00 Hrs:	@ Rs: 56/71	P.Lb:	Rs: 4537/-
12. Supplying C.I Tail Piece with one end flanged & socket at the other end for all size (PHSMI No: 9, P-10)			
0.375 cwt	@Rs: 6096/-	P.Cwt	Rs: 2286/-
13. C.C Plain i/c placing, compacting, finishing & curing complete i/c screening and washing of stone aggregate without shuttering (GSI No: 5, P-17) Ratio 1:2:4			
22.50 cft.	@Rs: 14429/25	P%cft.	Rs: 3247/-
14. Erection & Removal of centering for R.C.C plain or C.C with partial wood 2 <sup>nd</sup> class. (Vertical) (CSI No:2, P-32)			
84.00 sft	@Rs: 3127/41	P%sft.	Rs: 2627/-
		Total: - =	Rs: 3979417/-

### F: - Staff Quarter

01. Excavation for foundation of building, bridges & other structure i/c deg belling dressing, refilling around the structure with excavated earth watering ramming lead upto one chain and lift upto 5' in ordinary soil (CSI No:18(h),P-4)			
526.68 cft.	@Rs: 3176/25	P%0cft.	Rs: 1673/-
02. C. C. brick or stone ballast 1 1/2" to 2" gauge Ratio 1:4:8 (CSI No:4,P-16)			
266.33 cft.	@Rs: 9416/28	P%cft.	Rs: 25078/-
03. C.C Plain i/c placing, compacting, finishing & curing complete i/c screening and washing of stone aggregate without shuttering (GSI No: 5, P-17) 1:3:6			
396.02 cft.	Ratio 1:3:6 @Rs: 12595/-	P%cft.	Rs: 49878/-
04. Erection & Removal of centering for R.C.C plain or C.C with partial wood 2 <sup>nd</sup> class. (Vertical) (CSI No:2, P-32)			
776.03 sft.	@Rs: 3127/41	P%sft.	Rs: 24270/-



Project Director /  
 (Signature)  
 (Stamp)

05. Filling watering ramming earth in floor with surplus earth from foundation lead upto one chain and lift upto 5' (CSI No: 21,P-4)
- 465.78 cft. @Rs: 3630/- P%cft. Rs: 1691/-
06. Pucca brick work in ground floor i/c striking of joints upto 20' height. (CSI No:5,P-25) Ratio 1:6
- 952.45 cft. @Rs: 12674/36 P%cft. Rs: 120717/-
07. Reinforcement cement concrete work i/c all Labour and material except the cost of steel reinforcement and its Labour for bending and binding which will paid separately. This rate also i/c all kinds of forms moulds, lifting shuttering curing rendering and finishing and exposed surface i/c screening and washing of shingle R.C.C work in roof, slab, beams, columns, rafts, lintels & other structural members laid in situ or precast laid in position etc complete. Ratio 1:2:4 (GSI No:6(a), P-19)
- 269.80 cft. @Rs: 337/- P.Cft. Rs: 90923/-
08. Fabrication of M.S reinforcement for C.C i/c cutting, bending, laying in position making joints fastening i/c cost of binding wire also i/c removal of rust from bars. (CSI No:8, P-16) Using Tor bars
- 10.84 cwt. @Rs: 5001/70 P.Cwt. Rs: 54219/-
09. First class tender wood wrought joinery in doors and windows etc fixed in position i/c chowkats hold fasts, hinges, iron tower bolts chowks, cleats handles and cards with hooks etc (GSI No:7(b),P-65) 1 1/2" thick
- 194.84 sft. @Rs: 1273/76 P.sft. Rs: ~~248179~~ / 5
10. Providing & Fixing deodar almirah 9"x12" i/c boring with lock shelves shutters brass fitting complete. (GSI No:7(b),P-65)
- 12.00 sft. @Rs: 1778/50 P.sft. Rs: 21342/-
11. Providing & Fixing ornamental cement Jali 2" thick (1:2:4) without steel (GSI No: 11,P-17)
- 36.00 sft. @Rs: 226/02 P.sft. Rs: 8137/-
12. Galvanized wire gauge fixed to chowkathas with 3/4" deodar strips and screws. (GSI No: 14 (d), P-59)
- 25.32 sft. @Rs: 190/72 P.sft. Rs: 4829/-
13. C. C. brick or stone ballast 1 1/2" to 2" gauge Ratio 1:4:8 (CSI No:4,P-16)
- 61.45 cft. @Rs: 9416/28 P%cft. Rs: 5787/-
14. Providing, Laying 1" thick topping C.C 1:2:4 i/c surface finishing and dividing into panels 3" thick (CSI No:16,P-11)
- 248.00 sft. @Rs: 4411/82 P% sft. Rs: 10941/-
15. Dry brick on edge paving sand grouted i/c preparation of bed by watering ramming and bringing the same to proper camber by 1/2" thick mud plaster (CSI No: 5, P-39)
- 380.03 sft. @Rs: 3823/57 P% sft. Rs: 14531/-
16. Cutting & Fixing iron bars for barred windows. (CSI No:18,P-91)
- 15.00 Bars @Rs: 28/23 P.Bar Rs: 423/-
17. Cement Plaster 1:6 1/2" thick upto 12' height. (CSI No:10,P-58)
- 3258.62 sft. @Rs: 2206/60 P% sft. Rs: 71905/-



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18. Primary coat of chalk distemper. (CSI No:23,P-54)			
3258.67 sft.	@Rs: 442/75	P% sft.	Rs: 14428/-
19. Distempereing two coats. (CSI No:24,P-54)			
3258.62 sft.	@Rs: 1043/90	P% sft.	Rs: 34017/-
20. Preparing surface and painting of door and window any type i/e edges 3 coats. (CSI No: 5,P-69)			
206.84 sft.	@Rs: 2116/41	P% sft.	Rs: 4377/-
		Total: -	Rs: 807330/-
			<del>807339/-</del>

**G: - P.E Pipe Distribution System**

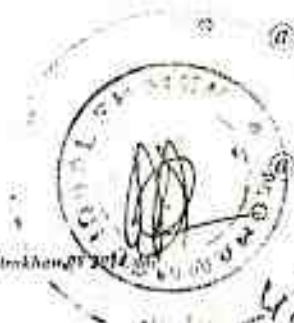
01. Dismantling & removing of road metalling (CSI No: 51 P-13)			
5062.50 cft	@Rs: 605/-	P% cft	Rs: 30628/-
02. Dismantling C.C. Plain 1:2:4 (CSI No:19 (c) P-11)			
4000.00 cft	@Rs: 3327/50	P% cft	Rs: 133100/-
03. Dismantling C.C. Plain 1:4:8 (CSI No:19 (c) P-11)			
5280.00 cft	@Rs: 1663/75	P% cft	Rs: 87846/-

04. Excavation for pipe line in trenches i/e pits in soft soil i/e trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting, joints holes & disposal of surplus earth within one chain or as directed by Engineer Incharge i/e providing fence guards light flanges and temporary crossing for non vehicular traffic where ever required lift upto 5' and lead upto one chain. (PHSI No:2,P-46)

186900.00 cft	@Rs: 3600/-	P% cft.	Rs: 672840/-
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05. Providing, Laying, Jointing & Testing P.E pipes & comet joints of class 'B' & fixing in trenches i/e cutting, fitting & jointing with rubber ring i/e testing with water to a head of 200' (PHSI No: 1, P-21)

<u>12" dia (315 mm O/D)</u>			
2500.00 Rft	@Rs: 1635/-	P.Rft	Rs: 4087500/-
<u>10" dia (280 mm O/D)</u>			
1000.00 Rft	@Rs: 1313/-	P.Rft	Rs: 1313000/-
<u>8" dia (225 mm O/D)</u>			
3500.00 Rft	@Rs: 860/-	P.Rft	Rs: 3010000/-
<u>6" dia (160 mm O/D)</u>			
1200.00 Rft	@Rs: 440/-	P.Rft	Rs: 528000/-
<u>4" dia (110 mm O/D)</u>			
5000.00 Rft	@Rs: 224/-	P.Rft	Rs: 1120000/-
<u>3" dia (90 mm O/D)</u>			
16000.00 Rft	@Rs: 148/-	P.Rft	Rs: 2368000/-



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06. Supplying C.I. Sluice Valve heavy pattern test pressure 21.0 K.g / sq. cm or 300 lbs. / sq. inch Imported  
(PHSI No: 2 P-11)

8" dia 1x1=1 No:	@Rs: 17940/-	P. each	Rs: 17940/-
6" dia 1x2=2 Nos:	@Rs: 9360/-	P. each	Rs: 18720/-
4" dia 1x2=2 Nos:	@Rs: 5460/-	P. each	Rs: 10920/-
3" dia 1x2=2 Nos:	@Rs: 4290/-	P. each	Rs: 8580/-

07. Supplying C.I Short pieces. (PHSI No: 9 P-15)

8" dia 1x2=2 Nos:	@Rs: 1056/25	P. each	Rs: 2113/-
6" dia 1x3=4 Nos:	@Rs: 618/75	P. each	Rs: 2475/-
4" dia 1x3=4 Nos:	@Rs: 487/50	P. each	Rs: 1950/-
3" dia 1x3=4 Nos:	@Rs: 375/-	P. each	Rs: 1500/-

08. Supplying C.I Reducers. (PHSI No: 11 P-15)

2 Nos:	8"x6" dia	@Rs: 1218/75	P. each	Rs: 2438/-
2 Nos:	8"x4" dia	@Rs: 1137/50	P. each	Rs: 2275/-
2 Nos:	6"x3" dia	@Rs: 893/75	P. each	Rs: 1788/-
2 Nos:	6"x4" dia	@Rs: 893/75	P. each	Rs: 1788/-
2 Nos:	4"x3" dia	@Rs: 568/75	P. each	Rs: 1138/-

High Density Polyethylene Fittings (PE 100)

09. Supplying Elbow 45° (outer dia) (PHSMI No: A, P-18)

i). 8" dia (225 mm O/D)				
02 Nos:		@Rs: 5500/-	P. each	Rs: 11000/-
ii). 6" dia (160 mm O/D)				
06 Nos:		@Rs: 2784/-	P. each	Rs: 16704/-
iii). 4" dia (110 mm O/D)				
08 Nos:		@Rs: 1324/-	P. each	Rs: 10592/-
iv). 3" dia (90 mm O/D)				
08 Nos:		@Rs: 894/-	P. each	Rs: 7152/-

10. Supplying High Density P.E Equal Tee (outer dia) (PHSMI No: D, P-19)

i). 8" dia (225 mm O/D)				
01 No:		@Rs: 8249/-	P. each	Rs: 8249/-
ii). 6" dia (160 mm O/D)				
02 Nos:		@Rs: 4175/-	P. each	Rs: 8350/-
iii). 4" dia (110 mm O/D)				
04 Nos:		@Rs: 1986/-	P. each	Rs: 7944/-
iv). 3" dia (90 mm O/D)				
04 Nos:		@Rs: 1341/-	P. each	Rs: 5364/-





11. Supplying High Density P.E. Elbow (Lang) Radius 90° (outer dia) (PHSMI No: C, P-19)

i). 8" dia (225 mm O/D)			
01 Nos:	@Rs: 6874/-	P.each	Rs: 6874/-
ii). 6" dia (160 mm O/D)			
04 Nos:	@Rs: 3480/-	P.each	Rs: 13920/-
iii). 4" dia (110 mm O/D)			
05 Nos:	@Rs: 1655/-	P.each	Rs: 8275/-
iv). 3" dia (90 mm O/D)			
05 Nos:	@Rs: 1118/-	P.each	Rs: 5590/-

12. Supplying Butt Fusion Joints. (PHSI No: 11 P-20)

8" dia 1x6=6 Nos:	@Rs: 1800/-	P.each	Rs: 10800/-
6" dia 1x14=14 Nos:	@Rs: 1000/-	P.each	Rs: 14000/-
4" dia 1x25=25 Nos:	@Rs: 1000/-	P.each	Rs: 25000/-
3" dia 1x22=22 Nos:	@Rs: 600/-	P.each	Rs: 13200/-

13. Supplying Flange Adaptor. (Approved Rate)

8" dia 1x4=4 Nos:	@Rs: 4225/-	P.each	Rs: 18000/-
6" dia 1x4=4 Nos:	@Rs: 2025/-	P.each	Rs: 8100/-
4" dia 1x4=4 Nos:	@Rs: 1215/-	P.each	Rs: 4860/-
3" dia 1x2=2 Nos:	@Rs: 675/-	P.each	Rs: 1350/-

14. Jointing C.I / M.S flanged pipes and specials flanged & inside a trench i/c supplying rubber packing of the required thickness nuts, bolts with washers etc & other tools required for jointing and testing the joints to the specified pressure etc complete. (PHSI No: 1 P-40)

8" dia 1x2=2 Joints	@Rs: 940/-	P.Joint	Rs: 1880/-
6" dia 1x4=4 Joints	@Rs: 938/-	P.Joint	Rs: 3752/-
4" dia 1x4=4 Joints	@Rs: 513/-	P.Joint	Rs: 2052/-
3" dia 1x4=4 Joints	@Rs: 499/-	P.Joint	Rs: 1996/-

15. Providing chamber 2 1/2' x 1 1/2' (750x750mm) in side dimension 4 1/2' (1372mm) deep as per approval design for sluice valve 3" to 12" with 18" (457 mm) dia inside cast iron cover and frame (wt: 1 cwt: 3 qr:) fixed in R.C.C. 1:2:4 slab 4" (102mm) thick (with 5 lbs: steel per cft) 9" (229mm) thick brick masonry walls set in 1:6 cement mortar 6" (152mm) thick cement concrete 1:3:6 in foundation 1" (25mm) thick cement concrete 1:2:4 flooring 1/2" (12.50mm) thick cement plaster 1:3 to all inside wall surface and top i/c providing and fixing M.S foot rest at every one feet beyond 2 1/2' depth curing excavation back filling and disposal of surplus earth etc complete. (PHSI No: 1, P-40)

07 Nos:	@Rs: 18820/-	P.each.	Rs: 131740/-
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16. Refilling the excavated stuff in trenches in 6" thick layers for leveling dressing i/c watering, ramming to full compaction etc complete. (PHSI No: 24, P-53)

168210.00 cft	@Rs: 2760/-	P%0cft.	Rs: 464260/-
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Total: - Rs: 1423643/-





09. Making jointing to PVC specials fitting i/e laying & required diameter and testing the joints alongwith A.C pressure pipe line to specified pressure and testing the all leaky joints etc complete. (PHSI No:1,P-49)

10" dia 1x7 = 7 Joints ✓	@ Rs: 72/- ✓	P.Joint ✓	Rs: 504/- ✓
8" dia 1x5 = 5 Joints ✓	@ Rs: 72/- ✓	P.Joint ✓	Rs: 360/- ✓
6" dia 1x5 = 5 Joints ✓	@ Rs: 72/- ✓	P.Joint ✓	Rs: 360/- ✓

10. Providing chamber 2½' x 1½' (750x750mm) in side dimension 4½' (1372mm) deep as per approval design for "hoice valve 3" to 12" with 18" (457 mm) dia inside cast iron cover and frame (wt. 1 cwt. 3 qr.) fixed in R.C.C 1:2:4 slab 4" (102mm) thick (with 5 lbs. steel per cft) 9" (229mm) thick brick masonry walls set in 1:6 cement mortar 6" (152mm) thick cement concrete 1:3:6 in foundation 1" (25mm) thick cement concrete 1:2:4 flooring ½" (12.50mm) thick cement plaster 1:3 to all inside wall surface and top i/e providing and fixing M.S foot rest at every one feet beyond 2½' depth curing excavation back filling and disposal of surplus earth etc complete. (PHSI No:1,P-40)

01 Nos: ✓	@ Rs: 18820/- ✓	P.each. ✓	Rs: 18820/- ✓
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11. Refilling the excavated stuff in trenches in 6" thick layers for leveling dressing i/e watering, ramming to full compaction etc complete. (PHSI No:24,P-53)

10305.00 cft ✓	@ Rs: 2760/- ✓	P%0cft. ✓	Rs: 28442/- ✓
Total: -			Rs: 843731/- ✓

**1. PUMPING MACHINERY.**

**a. ELECTRIC PUMPING SET 40 BHP.**

1. Supplying & installing in position i/e transportation to site of work Mirokhan Town, A.C Electric Pumping set consisting of A.C electric Motor of (SIEMENS made) of 40 BHP 3 phase 50 cycles 400/420 volts of 2900 RPM (Siemens made) (type 1LA7-130-2AA 60) coupled with (KSB Centrifugal pump Type (ETA-90-200) size 4"x3" mounted on common steel frame or base plate capable of discharging 510 gallons per minute against a head of 165 ft i/e installing of pumping set on cement concrete foundation (1:2:4) with M.S nuts bolts of 5/8" to be embedded in C.C foundation i/e providing and fixing on prepared board A.C 50 cycles 3 phase 12-25 amps: trip rating push button type oil immersed start delta starter complete with no volts and over lead release as required i/e providing & fixing on prepared board iron (clad) triple pole and neutral switch fuse with rewire able type fuse link carrier 500 volts grade 30 amps: and amps: meter 0-50 installed on metal board i/e providing & fixing Metalled board to accommodate main or sub-main control switches recessed in the wall size 3'x2' ¼' i/e providing phase indicators bulbs with holders and providing internal electric wiring 660 volts grade in 25 mm (1") PVC conduit on surface as required i/e providing and fixing earthing set with 0.6Mx0.6Mx5.3MM(2'x2' x ¼") copper plate buried in the ground at depth of 3.7M(12') or less as per Pak PWD specification and testing for the pumping set against the required head of 72 hours etc complete. (R.A Approved)

Qty: 03 sets ✓	@ Rs: 577000/- ✓	P.Set. ✓	Rs: 17,31,000/- ✓
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**b. 7.50 BHP TURBINE**

1. Supplying & installing in position i/e transportation to site of work Mirokhan Town, KSB Pump stainless steel deep well Turbine pump type BP 17-6 + 7.50 BHP A.C electric Motor of (SIEMENS made) 3 phase 400 volts, 50 HZ, 2900 RPM 2 pole with suction discharge top set 3" dia x 1 No: pump head 3" out let with mechanical seal, howl assembly suction pipe 1.6m 3" dia, column pipe assembly 3" dia x 5 Nos: capable given discharge 70 GPM against the head of 160' and pump setting depth 60' i/e C.C foundation, earthing attached set with 0.6Mx0.6Mx6.33MM(2'x2' x ¼") C.I plate buried in the depth of 3.7M(12') or less as per Pak PWD specification and providing & fixing Motor Control Unit consisting metallic base circuit breaker, ampere meter, volt meter magnetic conductor, on / off switch, electronic over current relay and indications lamps i/e providing internal electric wiring for main & testing for the pumping set against the required head of 72 hours etc complete. (R.A Approved)

Qty: 10 sets ✓	@ Rs: 1052300/- ✓	P.Set. ✓	Rs: 10523000/- ✓
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Total: - Rs. 12254000/-

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**J: - Inter Connection for Tube Well (Pumping Machinery)**

01. Supplying P.E (HDPE-100) P.N 10 (4" dia 90 mm) (PHSI No: (F) 1 P-25)	20.00 rft	4" dia	@Rs: 268/-	P.rft	Rs: 5360/-
02. Manufacturing & installing M.S flange 3" dia made out M.S sheet cutting drilling hole etc complete (R.A Based on Schedule Rates)	4" dia 1x4=04 Nos:		@Rs: 596/75	P.each	Rs: 2387/-
03. Supplying C.I bend 90° with flanged ends with holes i/c turning and facing of flanges (PHSMI No:9, P-11)	0.26 cwt		@Rs: 6096/-	P.cwt	Rs: 1585/-
04. Supplying C.I Taper flat bottom or central bottom flanged ends with holes i/c turning and facing of flanges all size (PHSMI No: 9, P-10)	0.26 cwt		@Rs: 6096/-	P.Cwt	Rs: 1585/-
05. Supplying Reflex Valve heavy pattern test pressure 300 lbs: / sq: inch imported (PHSMI No: 6, P-10)	4" dia 1x1=1 No:		@Rs: 1706/25	P.each	Rs: 1706/-
06. Supplying Butt Fusion Joints. (PHSI No: 11, P-20)	4" dia 1x8=8 Nos:		@Rs: 1000/-	P.each	Rs: 8000/-
07. Supplying Flange Adaptor. (Approved Rate)	4" dia 1x8=8 Nos:		@Rs: 1215/-	P.each	Rs: 9720/-
08. Jointing C.I/ M.S. flanged pipe and specially flanged ends inside trenches i/c supply rubber packing of required thickness nuts bolts with washers and other tools required for jointing and testing the joints to the specified pressure etc complete (PHSI No.1 Page-33).	4" dia 8 Joints		@Rs: 513/-	P.Joint	Rs: 4104/-
				Total: -	Rs: 34337/-
			For 10 Nos: 34337/-	x 10 =	Rs: 343370/-

**K: - Inter Connection for Clear Water Tank (Pumping Machinery)**

01. Supplying P.E (HDPE-100) P.N 10 (4" dia 90 mm) (PHSI No: (F) 1 P-25)	66.00 rft	4" dia	@Rs: 268/-	P.rft	Rs: 17688/-
	28.00 rft	6" dia	@Rs: 530/-	P.rft	Rs: 14840/-
02. Supplying C.I bend 90° with flanged ends with holes i/c turning and facing of flanges (PHSMI No:9, P-11)	1.20 cwt		@Rs: 6096/-	P.cwt	Rs: 7315/-
03. Supplying Reflex Valve heavy pattern test pressure 300 lbs: / sq: inch imported (PHSMI No: 6, P-10)	6" dia 1x3=3 Nos:		@Rs: 4062/50	P.each	Rs: 12188/-
04. Supplying C.I Sluice Valve heavy pattern test pressure 21.0 K. g/ cm <sup>2</sup> or 300 lbs: / sq: inch (Imported) (PHSMI No:2, P-9)	6" dia 1x3=3 Nos:		@Rs: 9360/-	P.each	Rs: 28080/-
05. Manufacturing & installing M.S flange 3" dia made out M.S sheet cutting drilling hole etc complete (R.A Based on Schedule Rates)	4" dia 3x4=12 Nos:		@Rs: 596/75	P.each	Rs: 7161/-
	6" dia 1x14=14 Nos:		@Rs: 804/77	P.each	Rs: 11267/-
06. C.I Tee flange ends with hole i/c turning & facing of flanges or all size (SMI No:12, P-12)	0.53 Cwt		@Rs: 6096/-	P.Cwt	Rs: 3231/-
07. Supplying Foot Valve Check valve heavy pattern with cone type gate. (PHSI No: 2, P-9)	03 Nos:	4" dia	@Rs: 893/75	P.each	Rs: 2681/-



08. Supplying C.I Taper flat bottom or central bottomed flanged ends with holes 1/2 turning and facing of flanges all size (PHSI No: 9, P-10)

0. 10 cw/ @Rs: 6096/- P.Cwt Rs: 2438/-

09. Supplying Butt Fusion Joints. (PHSI No: 11, P-20)

6" dia 1814=14 Nos: @Rs: 1000/- P.each Rs: 14000/-

4" dia 1x12=12 Nos: @Rs: 1000/- P.each Rs: 12000/-

10. Supplying Flange Adaptor. (Approved Rate)

6" dia 1x14=14 Nos: @Rs: 2025/- P.each Rs: 28350/-

4" dia 1x12=12 Nos: @Rs: 1215/- P.each Rs: 14580/-

11. Jointing C.I/ M.S flanged pipe and specials flanged ends inside trenches 1/2 supply rubber packing of required thickness rate belts with washers and other tools required for jointing and testing the joints to the specified pressure etc complete (PHSI No.1 Page.33)

4" dia 12 Joints @Rs: 513/- P.Joint Rs: 6156/-

6" dia 14 Joints @Rs: 938/- P.Joint Rs: 13132/-

Total: - Rs: 195107/-

### GENERAL ABSTRACT OF COST

	Schedule Items	Non Sch: Items	G. Total
01	Tube Wells 05 Nos	Rs: 8,11,750/-	Rs: 8,11,750/-
02	Pump House 8'x8' 07 Nos	Rs: 9,84,193/-	Rs: 9,84,193/-
03	Pump House 19'50'x11.62' 01 No	Rs: 2,82,374/-	Rs: 2,82,374/-
04	Compound Wall 110x80	Rs: 6,68,368/-	Rs: 6,68,368/-
05	Clear Water Tank 50'x40'	Rs: 39,78,125/-	Rs: 39,79,417/-
06	Staff Quarter 2 Roomed 01 No	Rs: 8,07,339/-	Rs: 8,07,339/-
07	P.E Pipe Distt. System	Rs: 14203233/-	Rs: 14236443/-
08	UPVC Pipe Rising Main	Rs: 8,43,731/-	Rs: 8,43,731/-
09	Pumping Machinery	Rs: -	Rs: 12254000/-
10	Inter Connection Tube wells	Rs: 247270/-	Rs: 97200/-
11	Inter Connection C.W.T	Rs: 132740/-	Rs: 41348/-
		Rs: 132177/-	Rs: 42730/-
		Rs: 22935162/-	Rs: 35406092/-
		Rs: 22978560/-	Rs: 35405991/-
		Rs: 4,24,70,930/-	Rs: 35,40,71,92/-
		Rs: 12,42,86,32/-	

Amount Total (a) 33.25

% above/ below on the rates CSR

Amount to be added/ deducted on the

Total (A) - a-b in words & figure: 43032033/-

Basis of premium quoted Total (b)

CONTRACTOR

*[Signature]*

Executive Engineer  
Public Health Engg: Division  
Kamber Shahdadt @ Kamber

*[Signature]*  
*[Signature]*  
Project Director  
Larkana Division  
Larkana

# SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

## CONTRACT EVALUATION FORM

### TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF WORKS, SERVICES & GOODS

- 1) NAME OF THE ORGANIZATION / DEPTT: Public Health Engineering Department
- 2) PROVINCIAL / LOCAL GOVT / OTHER: Provincial
- 3) TITLE OF CONTRACT: Construction of Water Works, Comprising on Tube Wells Storage, Cum Settling Tanks, Clear Water Tank, Pumping Machinery, Pump House, Compound Wall, P.E Rising Mains & Distribution System for Extension & Rehabilitation of Existing Water Supply Shahdadkot. ②
- 4) TENDER NUMBER: 1st
- 5) BRIEF DESCRIPTION OF CONTRACT: Construction of Water Works, Comprising on Tube Wells Storage, Cum Settling Tanks, Clear Water Tank, Pumping Machinery, Pump House, Compound Wall, P.E Rising Mains & Distribution System for Extension & Rehabilitation of Existing Water Supply Shahdadkot.
- 6) FORUM THAT APPROVED THE SCHEME: PDWP
- 7) TENDER ESTIMATED VALUE: 319.555 Millions
- 8) ENGINEER'S ESTIMATE: 348.022 Millions  
(For civil works only)
- 9) ESTIMATED COMPLETION PERIOD (AS PER CONTRACT): 15 Months
- 10) TENDER OPENED ON (DATE & TIME): 03/10/2014 at 1.00 PM
- 11) NUMBER OF TENDER DOCUMENTS SOLD: 03 Nos  
(Attach list of buyers)
- 12) NUMBER OF BIDS RECEIVED: 03 Nos
- 13) NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS: 03 Nos
- 14) BID EVALUATION REPORT: Already Sent  
(Enclose a copy)
- 15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER: M/s. Muhammad Iqbal Shaikh Govt Contractor F/1248 Aziz Nest Near Ibrat Press, Gari Khata Hyderabad.
- 16) CONTRACT AWARD PRICE: 348.022 Millions
- 17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT  
(i.e. 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> EVALUATION BID): 1<sup>st</sup> Lowest



18) METHOD OF PROCUREMENT USED :- (Tick one)

- a) SINGLE STAGE – ONE ENVELOPE PROCEDURE: **Yes**  
b) SINGLE STAGE – TWO ENVELOPE PROCEDURE.  
c) TWO STAGE BIDDING PROCEDURE  
d) TWO STAGE – TWO ENVELOPE BIDDING PROCEDURE

PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED (i.e. EMERGENCY, DIRECT CONTRACTING / NEGOTIATION ETC. WITH BRIEF REASONS.

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT: Chief Engineer Public Health Engg: Department, Sukkur

20) WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?

**Yes**

21) ADVERTISEMENT:

**Yes**

i) SPPRA Website

**No.21437 dated. 18/09/2014**

( If yes, give date and SPPRA Identification No.)

ii) News Papers

**No**

( If yes, give names of newspapers and dates)

22) NATURE OF CONTRACT

**Local**

23) WHETHER QUALIFICATION CRITERIA

**Yes**

WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?

(If yes, enclose a copy)

24) WHETHER BID EVALUATION CRITERIA

**Yes**

WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?

( If yes, enclose a copy)

25) WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A METHOD OTHER THAN OPEN COMPETITIVE BIDDING?

**No**

26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

**Yes**

27) WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED

**Yes**

BID / BEST EVALUATED BID (in case of Consultancies)

28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY

**Yes**

COMPLIANT?

29) WHETHER NAMES OF THE BIDDERS AND THEIR QUOTED PRICES WERE READ OUT AT THE TIME OF OPENING OF BIDS? **Yes**

30) WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF CONTRACT? **Yes**

( Attach copy of the bid evaluation report)

31) ANY COMPLAINTS RECEIVED **No**

32) ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER NOTICE / DOCUMENTS ( If yes, give details) **No**

33) WAS THE EXTENSION MADE IN RESPONSE TIME? **No**  
( If yes, give reasons)

34) DEVIATION FROM QUALIFICATION CRITERIA **No**  
( If yes, give detailed reasons.)

35) WAS IT ASSURED BY THE PROCURING AGENCY THAT THE SELECTED FIRM IS NOT **BLACKLISTED** **Yes**


36) WAS A VISIT MADE BY ANY OFFICER/OFFICIAL OF THE PROCURING AGENCY TO THE SUPPLIER'S PREMISES IN CONNECTION WITH THE PROCUREMENT? IF SO, DETAILS TO BE ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD: **No**  
( If yes, enclose a copy)

37) WERE PROPER SAFEGUARDS PROVIDED ON MOBILIZATION ADVANCE PAYMENT IN THE CONTRACT (BANK GUARANTEE ETC.)? **Yes**

38) SPECIAL CONDITIONS, IF ANY **No**  
( If yes, give Brief Description)

Signature & Official Stamp of

Authorized Officer \_\_\_\_\_

  
Executive Engineer  
Public Health Engg. Division  
Larkana



SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY  
(SPPRA)

STANDARD FORM OF BIDDING DOCUMENT

(Civil Works-Large Works)


This SBD shall be used for large works costing more than Rs.50 Million

Construction of Water Works, Comprising on Tube Wells  
Storage, Cum Settling Tanks, Clear Water Tank,  
Pumping Machinery, Pump House, Compound Wall, P.E  
Rising Mains & Distribution System for Extension &  
Rehabilitation of Existing Water Supply Shahdadkot.

Issued to the: M/S Mohammed Iqbal Shaikh & Co  
Hyderabad.

DRN-2362

30-9-2014

  
Project Director/Commissioner  
Larkana Division  
Larkana

PROJECT DIRECTOR/ COMMISSIONER LARKANO  
DIVISION LARKANO

PUBLIC HEALTH ENGG: DIVISION KAMBER-  
SHAHDADKOT

## SPECIAL STIPULATIONS

## Clause

## Conditions of Contract

1.	Engineer representing Consulting Firm hired by the procuring agency to issue variation in case of emergency.	8.1	Up to 2% of the contract price stated in the Letter of Acceptance.
2.	Amount of Performance Security	4.2	Up to 10% of contract price. Total amount including performance security and retention money deducted from bills should not exceed 10% 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. per occurrence with Number of occurrence sun limited.
5.	Time for Commencement.	8.1	Within 14 days from the date of receipt of Engineer's Notice to Commence, this shall be issued within fourteen (14) days after signing of Contract Agreement.
6.	Time for Completion (works & sections)	8.2 & 10.2	Days from the date of receipt Of Engineer's Notice to Commence.
7.	Amount of Liquidity Damages/ Delay Damages/ Penalties	8.7	----- Damages per day (are to Be mentioned) but total amount will not be more than 10% of contract Price.
8.	Defects Liability Period	11.1	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. _____
12.	Time of Payment from delivery of Engineer's Interim/Running Payment Certificate to the procuring agency.	14.7	30 days in case of local currency or 42 days in case of foreign funded projects.
13.	Mobilization Advance.	14.2	10% of Contract Price stated in the Letter of Acceptance.

Project Director/Commissioner  
Public Works Division



## FORM OF BID

Bid Reference No. Contract of water work comprising on small of Pond with 5.00' high tank above water level to  
 (Name of Contract/Work) Spreading, Splice Spout of 15' Ray from 2 Dist. System  
400 K.C. & Rah. of 2004' water supply' Shubhada 2014-

To: Project Director / Commissioner  
Public Works Division  
Parbhani

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 there in inconformity 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 here to 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 favor 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 Eighty 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. (Please delete this in case of Bid form a single bidder) in the capacity of \_\_\_\_\_ duly authorized to sign Bids for and on behalf of

Dated this day of 2014

Project Director/Commissioner

Signature: \_\_\_\_\_

(Name of Bidder in Block Capitals)  
(Seal)

Address: s/s M. Muneer Iqbal Shauk & Co.  
F/1248 Aziz Road, Near Land Tower,  
Gurgaon, Haryana - 122002

Witness:

Signature: Abu  
Name: Abdul Wahab Sahito  
Address: \_\_\_\_\_  
Occupation: Executive Engineer,  
Public Health Engg. Deptt.,  
Ludhiana

  
  
Project Director/Commissioner  
Municipal Corporation  
Ludhiana





AUS  
10/11/1971



PAKISTAN  
POSTAGE



## FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the "Agreement") made on the 5th day of January (month) 2015 between Project - 2. water/conservation scheme division of Commercial Deptt. Govt. of NCT of Delhi (hereafter called the "Procuring Agency") of the one part and Cons. K. K. Hy. S. Pvt. Ltd. (hereafter called the "Contractor") of the other

part. Cons. of water works company in Tughlaq 2/17th. Govt. of NCT of Delhi  
 WHEREAS the Procuring Agency is desirous that certain works, viz. to provide 100 PE water supply to the should be executed by the Contractor and has accepted a bid by the Contractor for the execution and completion of such works and the remedying of any defects therein.

NOW this Agreement witnessed as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract herein after 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 herein after 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 be come payable under the provisions of the contract at the times and in the manner prescribed by the contract.







IN WITNESS WHERE OF the parties here to 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 Contractor

Signature of Procuring Agency

(Seal)

(Seal)

Signed, Sealed and Delivered in the presence of

Witness:

Witness:

Muhammad Ali Majidi Contractor

Assistant Accountant  
District Accountants Office Hyderabad  
YGN PHB 2014

(Name, Title and Address)

(Name, Title and Address)



100/100





Assistant Accountant  
District Accounts Officer Hyderabad  
Sd/- K.S. / 2010/07/08



## 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 International 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 forbid preparation and review, leading to more economic prices.

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\* 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](mailto:fidic@fidic.org)

Project Director, Commission  
Larkana Division  
Larkana



# Conditions of Contract for CONSTRUCTION

FOR BUILDING AND ENGINEERING  
WORKS DESIGNED BY THE EMPLOYER

Multilateral Development Bank Harmonized Edition  
March 2006

## General Conditions

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

Stamp:   
FIDIC  
INTERNATIONAL FEDERATION OF CONSULTING ENGINEERS  
INTERNATIONALE VEREINIGUNG BERATENDER INGENIEURE  
FEDERACION INTERNACIONAL DE INGENIEROS CONSULTORES

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Project Director/Commissioner

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Project Director/Commissioner  
L... ..sion



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Principal Director/Commissioner  
Public Works  
Ministry of Public Works

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*[Handwritten Signature]*  
 Project Director / Commissioner  
 Logistics Division  
 Ankara



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1.1.5.2	Goods		

Project Director/Commissioner  
Public Works Division  
Lahore

## General Conditions

### General Provisions

#### Interpretation

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

##### The Contract

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", "Day work 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.

Project Director/Commissioner  
Lakshana Division  
Lucknow



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 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 utilizes on Site, who may include the staff, labour and other employees of the Contractor and of each Sub contractor, 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, Events, 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 5.1 [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 maybe) 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 maybe) 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 Payment

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].

Director/Commissioner  
Public Division  
Tashkent



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

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

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

1.1.5.  
Works and Goods

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

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

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

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

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

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

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 Documents

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.



  
Project Director/Commissioner  
Arkansas Division of Transportation

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, ordinance 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].

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 "tendered" with "bidder" and the words "tender documents" with "bidding documents".

The marginal words and other headings shall not be taken in to 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.

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.



  
Project Director/Commissioner  
Public Works  
MOR TO



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.

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

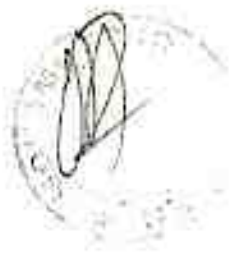
The ruling language of the Contract shall be that stated in the Contract Data.

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.

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



  
Project Director/Commissioner  
Markazi Division  
Lahore

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 Project Director/Commissioner  
 Punjab  
 Pakistan



## 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 "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 ICB and 15 days in ICB.

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

### 1.15 Inspections and Audit by the Bank

Deleted

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

### 3.1 Engineer's Duties and Authority.

*The following paragraph is added after duties:*

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

### 4.3 Contractor's Representative

*The following text is to be added after last line*

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

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

*The following paragraph is added:*

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

*The following sub-clause 7.9 is added in (GCC)*



Project Director / Compliance

## 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:

- Bar Chart identifying the critical activities.
- Critical Path Method (CPM) identifying the critical path/activities.
- 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 as 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.



Project Director/Commissioner  
Lahore Division  
25/1/2003





## 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 upto 10% of the Contract Price may be paid by the procuring Agency to the Contractor on the works costing Rs 2.5 million or above on following conditions:
  - a. on submission by the Contractor of a mobilization advance guarantee for the full amount of the advance in the specified form, 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 instalments 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 there on 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 14.3 (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.



Project Director, District Engineer  
Karachi Division  
Larkana

- (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 3<sup>rd</sup> paragraph.*

*Successful Contractor has to provide Integrity Pact (for contracts worth Rs 10.0 million and above).*

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

Project Director/Contract  
 10/11/2011  
 10/11/2011



- (a) recover from the Contractor an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kick back 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-Paragraph (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 (b) 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 A A 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*



*[Signature]*  
 Project Officer / Contract Manager  
 Procurement Division  
 Larkana

(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.*



*[Handwritten Signature]*  
\_\_\_\_\_



## PART II-SPECIAL/PARTICULAR CONDITIONS OF CONTRACT

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Project Director / Commissioner  
 Government of Punjab  
 Lahore

## SPECIFICATIONS

The work will be carried out as per PWD/PHED specifications.



Project Director  
Orkani Division  
Carkana



DRAWINGS

Attached



10/10/10  
10/10/10  
10/10/10

# BILL OF QUANTITIES

## DETAILED WORKING ESTIMATE FOR CONSTRUCTION OF WATER WORKS COMPRISING IN STORAGE TANK, CLEAR WATER TANK, INCLUDING PUMPING MACHINERY, P.E PIPING PUMP HOUSE, COMPOUND WALL, EXTENSION AND REHABILITATION OF EXISTING WATER SUPPLY SCHEME SHAHDADKOT UNDER C.M DIRECTIVES.

Item	Quantities	Description & rate of item to be executed at site	Rate	Unit	Amount Rupees
1	2	3	4	5	6

### 1. FEEDING CHANNEL, RCC SUMP & APPROACH PATH.

01. Excavation in foundation of building, bridges & other structure i/c deg, belling dressing refilling around the structure with excavated earth watering, ramming lead upto one chain and lift upto 5' in ordinary soil. (CSI No: 18, P-6)

4806.50 cft. @ Rs. 3176.25 P% cft. Rs. 15267/-

02. Cement concrete plain i/c placing compacting finishing curing and washing stone aggregate without shuttering Ratio 1:4:8 (CSI No.5 Page-17)

1620.00 Cft. @ Rs. 11288.75 P% Cft. Rs. 182878/-

Ratio 1:2:4  
1562.50 Cft. @ Rs. 14429.25 P% Cft. Rs. 225457/-

03. C.C brick or stone ballast 1-1/2 to 2" gauge Ratio 1:4:8 (CSI No: 5, P-17)

2750.00 cft. @ Rs. 9416.28 P% cft. Rs. 258948/-

04. Precast brick work in foundation and plinth in cement sand mortar 1:5 (CSI No: 4, P-23)

6688.00 cft @ Rs. 11948.30 P% cft. Rs. 799106/-

05. Reinforcement cement concrete work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will paid separately. This rate also i/c all kinds of forms moulds, filling shuttering curing rendering and finishing and exposed surface i/c screening and washing of shingle. R.C.C work in roof, slab, beams, columns, rafts, lintels & other structural members laid in situ or precast laid in position etc complete. Ratio 1:2:4 (CSI No(a), P-19)

225.00 Cft. @ Rs. 337.00 P. Cft. Rs. 75825/-

06. Fabrication of M.S reinforcement for C.C curting bending laying in position making joints and fastening i/c cost of binding wire this also i/c removal of rust from bars. (CSI No. 7 page-20) Using Tie bars

9.04 Cwt. @ Rs. 5001.70 P Cwt. Rs. 45215/-

07. Cement Plaster (1:4) up to 20' Height/2" thick (CSI No.11 page-58)

10880.00 sq. @ 2283.93 P, % sq. Rs. 248492/-

Total Rs. 1851188/-

### 2. STORAGE TANK NEW 04 NOS:

01. Excavation for tanks and reservoirs in soft soils i/c trimming and dressing sides to true alignment / design section / profiles and shape. Leveling of beds of tanks to correct level and grade i/c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus Excavated earth within one chain as directed by flags wherever required. lift up to 5 feet (1.52 M) and lead up to one chain (30.5 M). (PHSI NO. 1-Page 67)

1573303.56 cft @ Rs. 3000.00 P% cft

RS: 4719911/-

1571296.32

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RS: 4713889/-  
  
 Engineer in Charge



02. Excavation for tanks and reservoirs in wet soil clay or mud i/c trimming and Dressing sides to true alignment / design section / profiles and shape, leveling of beds of tank to correct level and grade i/c laying of earth in 6" layer for construction of bank and dressing and disposal of surplus Excavated earth within one chain as directed by Engineer incharge i/c providing fence guards, lights, flags wherever required lift up to 5 feet ( 1.52 M) and lead up to one chain (30.5 M) (PHSI NO- 14 page 67)

0-5 ft @RS. 4800/00 P% cft RS. 4825327/=

1005276.0 cft

5'-8' ft depth @RS. 5350/00 P% cft RS. 4732658/=

884609.0 cft

03. Excavation for tanks and reservoirs in slushy or daldaly soil i/c trimming and Dressing sides to true alignment / design section / profiles and shape, leveling of beds of tank to correct level and grade i/c laying of earth in 6" layer for construction of bank and dressing and disposal of surplus Excavated earth within one chain as directed by Engineer incharge i/c providing fence guards, lights, flags wherever required lift up to 5 feet ( 1.52 M) and lead up to one chain (30.5 M) (PHSI NO- 15 page 67)

8'-11' ft depth @RS. 8300/00 P% cft RS. 2978663/=

358875.0 cft

04. Earth work compacting sheep foot Roller and power roller with optimum moisture contents (a) 85% modified AASHO Density ( Sch. of high way work No. 7 (c) P-2)

269628.0 cft @RS. 1445/58 P% cft RS. 3,89,768/=

05. Excavation for pipe line in trenches in pits in soil i/c trimming dressing sides to true alignment and and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus excavated earth with in one chain & lift up to 5:ft or as directed by engineer in charge i/c providing fence guards lights flages & temporary crossing for non vehicular Traffic where ever required lift up to 5ft in ordinary soil. (PHSI NO: 1 P-60)

0-5 depth @ Rs. 3600/00 P.%0Cft Rs. 10656/0

2960.00 Cft

5'-8' depth @ Rs. 4150/00 P.%0Cft Rs. 73704/0

1776.00 Cft

06. Excavation in foundation of building, bridges & other structure i/c deg. belling dressing refilling around the structure with excavated earth watering, ramming lead upto one chain and lift upto 5' in ordinary soil. (GSI No: 18, P-6)

5793.75 cft. @Rs: 3176/25 P%0cft. Rs: 18402/-

07. Bailing or pumping out sub soil water during excavation concreting cast in situ concrete or masonry work in foundation (PHSI NO: 18P-75)

717750.00 cft. @Rs: 543/00 P%cft. Rs: 3897382/-

08. Extra for every 50' additional lead or part thereof ( soil ordinary, hard and every hard (GSI NO 8 P-2)

3552436.0 cft. @Rs: 1209/36 P%0cft. Rs: 4296174/-

3550928.52 4293746/=

09. C.C brick or stone ballast 1/12" to 2" gauge ratio 1:4:8 (GSI NO 2P-82)

238425.0 cft. @Rs: 9416/28 P%cft. Rs: 2,24,50765/-

10. C.C plain i/c placing compacting finishing and curing complete i/c screening and w/o stone aggregate w/o shuttering. Ratio 1:4:8.(C.S INO:5 Page15)

Ratio 1:4:8

2549.25 cft @ Rs: 11288/75 P% cft Rs. 287778/=

Ratio 1:3:6

35164.80 Cft @ Rs: 12595/00 P% cft Rs. 44,29007/=

Ratio 1:2:4

145852.0 cft @ Rs: 14429/25 P% cft Rs. 21045350/=

1. The amount of money will be paid to the contractor after the completion of the work.

Project Director, Yamunanagar  
Larkana Division  
Larkana

11. Pucca Brick work in foundation and plinth in cement sand mortar 1:6 (C.S.I NO: 4 page 19)  
 13657.0cft @ 11948/36 P% cft RS: 1631788/=

12. Dry Brick on edge paving sand grouted i/e preparation of bed by watering, raining and bringing the same to proper chamber by 1/2" thick mud plaster (C.S. I No. 5 Page 39)  
 37860.0 @ Rs: 3823/57 P% cft Rs: 14,47,603/=

13. Cement plaster 1/4 up to 20" feet height inch 1/2" thick (C.S. I NO: 11 page 51)  
 25480.00 sft @ 2283/93 P% sft RS: 581945/=

14. providing R.C.C pipe of ASTM C-76-62 T/C 76-70 class II wall B class and fixing in trenches i/e cutting and jointing with rubber rings i/e testing with water to specified (PHSI NO: 1P-17)

64.0 rft 24" dia @ Rs: 869.00 p.rft Rs: 55616/0

112.0 rft 12" dia @ Rs: 412.00 p.rft Rs: 46144/0

15. Supplying C.I sluice valve heavy pattern (SMI No. 2 P-11)

3.00 No. @Rs: 78000/00 P. each Rs: 234000.00

16. Supplying C.I Short Piece (SMI No. 9 P-15)

6.00 No. 12" dia @Rs: 2600/00 P. each Rs: 15600.00

17. Supplying C.I G-joint (SMI No. 14 P-17)

2.00 Nos: 12" dia @Rs: 2681/25 P. each. Rs: 5362/00

18. Supplying Adopter Flanges (M.R)

06 No: 12" @Rs: 12150/00 P. Each. Rs: 72900/00

19. Butt Fussion Joint (SMI No: P- )

06 No: 12" dia @Rs: 2200/00 P. Each. Rs: 13200/00

20. Jointing C.I/MS flanged pipes and specials flanged and inside a trench i/e supplying rubber packing of the required thickness nuts, bolts with washers, etc. and other tools required for jointing and testing the joints to the specified pressure etc complete.  
 (PHSI No: 1 P- 40 )

4.00 Joint 12" dia @Rs: 3456/00 P. Joint. Rs: 13,824/00

21. Providing chamber 3-1/2' x 2 1/2' (711x457 mm) in side dimension 4 1/2' (1372mm) deep as per approval design for sluice valve 3"x12" with 18" (457mm) dia inside cast iron cover and frame (wt: 1 cwt: 3 qr:) fixed in R.C.C 1-2-4 slab 4" (102mm) thick (with 5 lbs: steel per cft) 6" (229 mm) thick brick masonry walls set in 1:6 CEMENT MORTAR 6" (152 mm) thick cement concrete 1:3:6 in foundation 1" (25mm) thick cement concrete 1:2:4 FLOORING 1/2" (12.50 mm) thick cement plaster 1:3 to all inside wall surface and top i/e providing and fixing M.S foot rest at ever one feet beyond 2 1/2' depth curing excavation back fitting and disposal of surplus earth etc complete (PHSI No: 3, P- 50 )

03 No: @Rs: 28691/00 P. each. Rs: 86073/-

22. Refilling the excavated stuff in trenches in 6" thick layers leveling dressing i/e watering ramming to full compaction etc complete

4838.0Cft @ Rs: 2760/00 P.% Cft

13353/= Rs: 34106/-

727,92,169/- Rs: 7,83,25,375/00

TOTAL

Project Director, Commissioner  
 Larkana Division  
 Larkana



### 3.R.C.C Clear Water Tanks (size 30')

01. Excavation for tanks and reservoirs in soft soil i/e trimming and dressing sides to true alignment and slope leveling of beds of trenches to correct level and grade cutting i/e laying of earth in 6" thick layers construction of banks and dressing and disposal of surplus earth within one chain or as directed by Engineer Incharge i/e providing fence guards light flanges where ever required lift upto 5' and lead upto one chain. (PHSI No:11,P-67)

4808.12 cft. @Rs: 3000/- P%0cft. Rs: 14424/-

02. Excavation for tanks and reservoirs in wet soil / Clay or mud i/e trimming and dressing sides to true alignment and slope leveling of beds of trenches to correct level and grade cutting i/e laying of earth in 6" thick layers construction of banks and dressing and disposal of surplus earth within one chain or as directed by Engineer Incharge i/e providing fence guards light flanges where ever required lift upto 5' and lead upto one chain. (PHSI No:14,P-74)

< 8' depth  
2884.87 cft. @Rs: 5350/- P%0cft. Rs: 15434/-

8-11' depth:

1923.25 cft. @Rs: 5900/- P%0cft. Rs: 11347/-

03. C. C Brick or Stone Ballast 1 1/2" to 2" gauge Ratio 1:4:8 (CSI No:4,P-16)

1033.00 cft. @Rs: 9416/28 P%0cft. Rs: 97270/-

04. Reinforcement cement concrete work i/e all Labour and material except the cost of steel reinforcement and its Labour for bending and binding which will paid separately. This rate also i/e all kinds of forms moulds, lifting shuttering curing rendering and finishing and exposed surface i/e screening and washing of shingle. R.C.C work in roof, slab, beams, columns, rafts, lintels & other structural members laid in situ or precast laid in position etc complete. Ratio 1:2:4 (GSI No:6(a), P-19)

2658.15 cft. @Rs: 337/- P.Cft. Rs: 895797/-

05. Fabrication of M.S reinforcement for C.C i/e cutting, bending, laying in position making joints fastening i/e cost of binding wire also i/e removal of rust from bars. (GSI No: 8(ii), P-12) Tor Bars

130.53 cwt. @Rs: 5001/70 P.Cwt. Rs: 652872/-

06. Providing & Fixing C.I ventilators weight not less than 80 lbs: in tank roof of approved design with water inlet joint i/e painted etc complete. (PHSI No: 1, P-55)

04 Nos: @Rs: 4870/- P.each Rs: 19480/-

07. Cement Plaster 1:4, 1/2" thick upto 12' height. (GSI No: 11, P-52)

1130.40 cft. @Rs: 228/93 P%0cft. Rs: 25818/-

08. Providing & Fixing C.I manhole covers with frame i/e cost of material etc. (PHSI No:1 (D),P-23)

6.00 cwt @ Rs. 6985/- P.Cwt. Rs: 41910/-

09. C.I foot step (Approved Rate)

40.00 Nos: @ Rs. 161/50 P.each Rs: 6460/-

10. Supplying Paddlo in cement plaster.

41.25 lbs: @ Rs: 56/74 P.Lb: Rs: 2339/-

Project Director - Jharkhand  
Bhilai Division  
Bhilai

11. Hauling or pumping out sub soil water during excavation concrete cast in situ concreting or masonry work in foundation (PIE No: 18, P-75)

2119.50 cft. @Rs: 543/- P%cft. Rs: 11509/-

12. PVC Water Stopper 9" wide. (PHSI No:19, P-76)

292.02 lft @Rs: 86/- P.Rft. Rs: 25114/-

13. C.C. plate i/c placing compacting finishing and curing complete i/c screening and w/o stone aggregate w/o shuttering. Ratio 1:2:4 (C.S. NO 5 Page 15)

Ratio 1:2:4

36.0 Cft @Rs: 14429/25 P%Cft. Rs: 5195/-

14. Erection & removal of centering of R.C.C. in Plain (C.S. NO 8 Page 16)  
Vertical

102.00 SB @Rs: 3127/41 P%SB. Rs: 3190/-

Total: -

Rs: 1828159/-

#### 4.0 PUMP HOUSE (30'x12')

01. Pucca brick work in ground floor i/c striking of joints cement sand mortar Ratio 1:6. (CSI No:16, P-24)

759.45 cft. @Rs: 12674/36 P%cft. Rs: 94824/-

02. Making and fixing steel grated doors and windows with 1/16" thick sheeting i/c angle iron frame 2"x2"x 3/8" and 1/2" sq. bars 4" center to center with locking arrangements. (CSI No:24, P-92)

28.00 sft. @Rs: 726/72 P.Sft. Rs: 20348/-

03. Supplying & fixing in position iron / steel grill of 1/2"x1/4" size flat iron of approved design i/c painting 3 coats etc complete (weight not to be less than 3.7 lbs/sq. feet on finished grill) (CSI No: 26, P-92)

24.00 sft. @Rs: 180/50 P.sft. Rs: 4332/308-

04. Fabrication of Heavy Steel work with angles tees, flat iron heavy iron sheet for making tresses / graders tank etc i/c cutting tank, drilling reventing, handling and assembling with fixing but excluding erection in position. (CSI No:28, P-91)

2.03 cwt. @Rs: 4928/49 P.cwt. Rs: 10005/-

05. Reinforcement cement concrete work i/c all Labour and material except the cost of steel reinforcement and its Labour for bending and binding which will paid separately. This rate also i/c all kinds of forms moulds, filling shuttering curing rendering and finishing and exposed surface i/c screening and washing of shingle. R.C.C. work in roof, slab, beams, columns, rafts, lintels & other structural members laid in situ or precast laid in position i/c complete. Ratio 1:2:4 (CSI No:6(a), P-19)

264.49 cft. @Rs: 337/- P.Cft. Rs: 89133/-

06. Fabrication of M.S reinforcement for C.C i/c cutting, bending, laying in position making joints fastening i/c cost of binding wire also i/c des removal of rust from bars. (CSI No:7, P-18)

6.88 cwt. @Rs: 5001/70 P.cwt. Rs: 59020/-

07. Cement Plaster 1:6, 1/2" thick upto 20" height. (CSI No: 11, P-58)

956.00 sft. @Rs: 2206/60 P% sft. Rs: 21095/-

08. Cement Plaster 1:3, 3/8" thick upto 20" height. (CSI No:11, P-53)

Qty. same as item No: 11, i.e. 979.00 sft. @Rs: 2197/52 P% sft. Rs: 21408/-

Joint Director/Commissioner  
Larkana Division



09. Cement pointing struck joints on walls 1:3 (CSI No. 19 p. 44)			
1028.00 sft.	@ Rs. 1213/58	P% sft.	Rs. 12476/-
10. Providing and laying 2" thick CC topping (1:2:4 ratio) i/e surface finishing and dividing in to panels 3" thick (CSI No. vol: III P-II item No. 6 @ page-42).			
360.00 sft.	@ Rs. 441/82	P% sft.	Rs. 15883/-
11. Khaprail of Cement concrete (2"x8"x1") of approved design / shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar (CSI No. vol: III P-II item No. 40 @ page-38).			
458.00 sft.	@ Rs. 8977/20	P% sft.	Rs. 41149/-

12. Painting new surface preparing surface painting of doors and windows of any type i/e edges. (CSI No. 5, P-60) Two coats			
104.00 sft.	@ Rs. 1489/71	P% sft.	Rs. 1549/-
13. First Coat of C wall under distemper (CSI No. 23 (b), P-59)			
1984.00 sft.	@ Rs. 442/75	P% sft.	Rs. 8784/-
14. White washing two coats (CSI No. 23 (b), P-59)			
451.00 sft.	@ Rs. 820/95	P% sft.	Rs. 3743/-
15. Distemping two coats. (CSI No. 24, P-60)			
1984.00 sft.	@ Rs. 4979/65	P% sft.	Rs. 20711/-
			Rs. 21424/-
		Total	Rs. 382617
			381767/-

**4.1 PUMP HOUSE (12'x10')**

01. Excavation for foundation of building, bridges & other structure i/e deg belling dressing, refilling around the structure with excavated earth watering tamping lead upto one chain and fill upto 5' in ordinary soil (CSI No. 18, P-6)			
141.00 cft.	@ Rs. 3176/25	P% cft.	Rs. 448/-
02. C. C Brick or stone ballast 1 1/2" to 2" gauge Ratio 1:3:8 (CSI No. 4, P-16)			
83.95 cft.	@ Rs. 9416/28	P% cft.	Rs. 7905/-
03. Pucca brick work in foundation and plinth in cement sand mortar in 1:6 (CSI No. 4(r), P-25)			
229.75 cft.	@ Rs. 11948/36	P% cft.	Rs. 27451/-
04. Pucca brick work in ground floor in cement sand mortar Ratio 1:4, (CSI No. 5, P-20)			
373.07 cft.	@ Rs. 12674/36	P% cft.	Rs. 47284/-
05. Making and Fixing steel grated doors and windows with 1/16" thick sheeting i/e angle iron frame 2"x2"x 3/8" and 3/4" sq. bars 4" center to center with locking arrangements. (CSI No. 23, P-97)			
28.00 sft.	@ Rs. 726/72	P% sft.	Rs. 20348/-
06. Fabrication of Heavy Steel work with angels tees, flat iron heavy iron sheet for making trusses girders tank etc i/e cutting tank, drilling, reworking, handling and assembling with fixing but excluding erection in position. (CSI No. 28, P-91)			
2.557 cwt.	@ Rs. 4928/49	P% cwt.	Rs. 12602/-

1) The amount and items is DETERMINED by the Engineer-in-Charge of the

Director/Chief Executive Officer  
Electrical Division

07. Supplying & Fixing in position iron / steel grill of 1/4"x1/4" size flat iron of approved design i/c painting 3 coats etc complete (weight not to be less than 3.7 lbs/ sq. feet on finished grill) (GSI No: 26, P-92)	12.00 sft.	@Rs: 180/50	P.sft.	Rs: 2166/-
08. Reinforcement cement concrete work i/c all Labour and material except the cost of steel reinforcement and its Labour for bending and binding which will paid separately. This rate also i/c all kinds of forms moulds, lifting shuttering curing rendering and finishing and exposed surface i/c screening and washing of shingle. R.C.C work in roof, slab, beams, columns, rdk, lintels & other structural members laid in situ or precast laid in position etc complete. Ratio 1:2:4 (GSI No: 6(a), P-19)	103.85 cft.	@Rs: 337/-	P.CB.	Rs: 34998/-
09. Damp proof course with cement and shingle concrete 1:2:4 i/c coats of asphaltic 3" thick (GSI No: 28, P-48)	53.08 sft.	@Rs: 4982/48	P.%sft.	Rs: 2645/-
10. Fabrication of M.S reinforcement for C.C i/c cutting, bending, laying in position making joints fastening i/c cost of binding wire also i/c des-removal of rust from bars. (CSI No: 7, P-18) using <i>Torbars</i>	4.17 cwt.	@Rs: 5001/70	P.cwt.	Rs: 20857/-
11. Cement Plaster 1:6, 1/2" thick upto 12' height. (CSI No: 11, P-58)	613.92 sft.	@Rs: 2206/60	P.%sft.	Rs: 13547/-
12. Cement pointing stock joints on walls 1:3 (CSI No: 19, p-28)	514.49 sft.	@Rs: 1213/58	P.%sft.	Rs: 6244/-
13. Cement Plaster 1:4, 3/8" thick upto 12' height. (CSI No: 11, P-53)	613.92 sft.	@Rs: 2197/52	P.%sft.	Rs: 13491/-
14. Providing and laying 1" thick CC topping (1:2:4 ratio) i/c surface finishing and dividing in to panels 1" thick (CSI No. vol: III P-II item No. 6 @ page-42)	120.00 sft.	@ Rs: 441/82	P.%sft.	Rs: 5294/-
15. Primary coat of chalk distemper. (CSI No: 28, P-60)	733.92 sft.	@Rs: 442/75	P.% sft.	Rs: 3249/-
16. Distemping two coats. (CSI No: 24, P-60)	124.41 sft.	@Rs: 1043/90	P.% sft.	Rs: 13032/-
17. Preparing surface & painting doors & windows of any type i/c edges (GSI No: 5(c), P-69) 2 coats	80.00 sft.	@Rs: 1489/68	P.% sft.	Rs: 1192/-
18. Filling watering new earth (CSI No: 29, P-25)	671.98 cft.	@ Rs: 3630/-	P.%cft.	Rs: 2439/-
19. Khaphiel of Cement concrete 12"x8"x1" of approved design / shape laid flat in 1:2 grey cement mortar over a bed of 1/2" thick grey cement mortar (CSI No. vol: III P-II item No. 40 @ page-37)	155.25 sft.	@ Rs: 8977/90	P.%sft.	Rs: 13938/-
				Total Rs: 249130/-

City Engineer and Supt. U.P. & K.A. (P) Water Supply Scheme, B. Ward, Dindur, Dh.

Project Director/Commissioner  
Larkana Division  
Larkana



**5. PUMPING MACHINERY @ RAW WATER**

**a. ELECTRIC PUMPING SET 15 BHP.**

1. Supplying & installing in position i/c transportation to site of work, A.C Electric Pumping set consisting of A.C electric Motor of (SIEMENS made) of 15 BHP 3 phase 50 cycles 400/420 volts of 1500 RPM (Siemens made) (type BA7-130-2AA 60) coupled with (KSB ETANORM Centrifugal pump Type (UTA-125-200) size 6"x5" mounted on common steel frame or base plate capable of discharging 900 gallons per minute against a head of 30 ft & providing & fixing Motor Control Unit (Siemens made) i/c installing of pumping set on cement concrete foundation (1-2:1) with M.S nuts bolts of 1/2" to be embedded in C.C foundation i/c providing and fixing on metalised board to accommodate main or sub-main control switches recessed in the wall with locking arrangement i/c providing internal electric wiring for main with 3-7/052 (10mm) copper conductor in 1" dia PVC conduit on surface as required i/c providing and fixing earthing set with 0.6Msd, 6Mx5.3MM(2"x2"x 1/2) copper plate buried in the ground at depth of 3-7M(12') or less as per P&I PWD specification and testing for the pumping set against the required head of 72 hours etc complete.

Qty: 02 Set	@ Rs. 467200/-	P.Set.	Rs. 934400/-
Total: -			Rs. 934400/-

**b. Juter Connection**

- 01. Supplying P.E (HDPE-100) P.N 10 <sup>6"</sup> dia 90 mm (PHSM No: (F) 1 P-25)  
78.00 rft (11.3 m or 7/8) @ Rs. 530/- P.rft Rs. 41340/-
- 02. Supplying C.I. Tail piece with one ends flanged and socket at the other end for all size (PHSM No: 5, P-12)  
0.29 cwt @ Rs. 6096/- P.cwt Rs. 1768/-
- 03. Manufacturing & installing M.S flange <sup>6"</sup> dia made out M.S sheet cutting drilling hole etc complete (R.A Based on Schedule Rates)  
12 Nos: 6" dia @ Rs. 749/34 P.each Rs. 8992/-
- 04. Supplying C.I. Three Valve heavy pattern test pressure 300 lbs: / sq: inch imported (PHSM No: 6, P-10)  
2 Nos: 6" dia @ Rs. 9360/- P.each Rs. 18720/-
- 05. Supplying C.I. bend 90° with flanged ends with holes i/c turning and facing of flanges (PHSM No: 9, P-11)  
1.78 cwt @ Rs. 6096/- P.cwt Rs. 10851/-
- 06. Supplying Reflex Valve heavy pattern test pressure 300 lbs: / sq: inch imported (PHSM No: 6, P-10)  
2 Nos: 6" dia @ Rs. 4060/50 P.each Rs. 8125/-
- 07. Supplying C.I. Foot valve heavy pattern with cone type gate imported (PHSM No: 4, P-11)  
2 Nos: 6" dia @ Rs. 1381/25 P.each Rs. 2763/-
- 08. Supplying Watt Fusion joints. (PHSM No: 11, P-20)  
12 Nos: 6" dia @ Rs. 1000/- P.each Rs. 12000/-
- 09. Supplying Flange Adapter (Approved Rate)  
12 Nos: 6" dia @ Rs. 2025/- P.each Rs. 24300/-
- 10. Jointing C.I./M.S. flanged pipe and specials flanged ends inside trenches i/c supply rubber packing of required thickness rts belts with washers and other tools required for jointing and testing the joints to the specified pressure etc complete (PHSM No.1 Page-33)  
12 Joints 6" dia @ Rs. 938/- P.Joint Rs. 11256/-

Total: -			Rs. 145115/-
Total: -			Rs. 107415/-
Total: -			Rs. 244830/-

For 02 Sets 2 x Rs. 107415/-

1. Dimensions and Settings shall be as per Schedule D, Standard of the

**5. B PUMPING MACHINERY.**

**ii. ELECTRIC PUMPING SET 80 BHP.**

1. Supplying & installing in position i/c transportation to site of work Water Supply Scheme Shabdalkot Vertical Turbine Electric Pumping set consisting of Solid Shaft electric vertical Motor of (SIEMENS make) of 80 BHP of 1450 RPM of squirrel cage totally enclosed for dood type suitable for tropical clim. The motor is foot mounted single shaft suitable for 3-phase 50 cycles, 380 volts A.C Electric supply at 40°C ambient insulation class "IV" with non reversible ratchet coupled with (KSB) vertical pump type B10137b consisting of pumps bowl assembly with suction discharge case intermediate bowl all made of cast iron with bronze impellers 140/134 dynamically balanced w/c securely fastened to stainless steel pump shaft connected to line shaft by means of w/c threaded coupled columns shaft and top shaft made carbon steel surface discharge made of cast iron with base for mounting pump bowl assembly is connected to discharge head with 01 set of w/c pip assembly 10 ft. in length of 100x3050 mm dia pump capable of discharging 950 GPM at a total head of 175 driven by 4 pole vertical hollow shaft (Siemens) motor and pump setting depth 10 ft. pump set to be supplied with siemens motors 80 BHP P/4 pole electric motor and siemens ASD-KSB starter i/c installation of the pumping set on cement concrete foundation (1;2.4) with M.S outs bolts of 5/8" to be embedded in C.C foundation i/c providing and fixing on prepared board Siemens M.C.U 80 BHP complete wiring for indoor with 3-19/2, 14 7/044 PVC insulated wire 660 volts grade in 25 mm (1") heavy gauge steel conduit on surface as required i/c providing and fixing earthing set with 11.6Mx11.6Mx5.3MM(2" x 2" x 1/2) copper plate buried in the ground at depth of 3.7M(12') or less as per P&C PWD specification and testing for the pumping set against the required head of 72 hours etc complete. (R.A Attached).

Qty: 04 Set	@ Rs. 1916,200/-	P.Set.	Rs. 76,52,200/-
			76,65,200/-
		<b>Total:-</b>	<b>Rs. 76,52,200/-</b>

**Inter Connection**

01. Supplying P.U. (HDPE-100) P.N 10 <sup>10"</sup> dia 90 mm (PHSM No: (P) 1 P-25)	@ Rs. 1590/-	P.ref	Rs. 31800/-
20.00 #10 10" dia			
02. Manufacturing & installing M.S flange <sup>10"</sup> dia made out M.S sheet cutting drilling hole etc complete (R.A Based on Schedule Rates)	@ Rs. 1303/48	P.each	Rs. 7821/-
6 Nos: 10" dia			
03. Supplying Reflex Valve heavy pattern test pressure 300 lbs. /sq. inch imported (PHSMI No: 6, P-10)	@ Rs. 18687/50	P.each	Rs. 18688/-
1 No: 10" dia			
04. Supplying C.I Sluice Valve heavy pattern test pressure 300 lbs. /sq. inch imported (PHSMI No: 6, P-10)	@ Rs. 27690/-	P.each	Rs. 27690/-
1 No: 10" dia			
05. Supplying C.I bend 90° with flanged ends with holes i/c turning and facing of flanges (PHSMI No: 9, P-11)	@ Rs. 6096/-	P.cwt	Rs. 47439/-
2.91 cwt			
06. Supplying C.I Taper flat bottom or central bottomed flanged ends with holes i/c turning and facing of flanges all size (PHSMI No: 9, P-10)	@ Rs. 6096/-	P.Cwt	Rs. 3536/-
0.58 cwt			
07. Supplying C.I Short pieces (PHSMI No: 9, P-13)	@ Rs. 2212/50	P.each	Rs. 2213/-
1 No: 10" dia			
08. Supplying Butt Fusion Joints. (PHSMI No: 11, P-20)	@ Rs. 2200/-	P.each	Rs. 13200/-
6 Nos: 10" dia			

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09. Supplying Flange Adapter. (Approved Rate)			
6 Nos: 10" dia	@Rs: 7425/-	P. each	Rs: 44550/-
10. Jointing C.I./ M.S. flanged pipe and specials flanged ends inside trenches i/c supply rubber packing of required thickness, nuts belts with washers and other tools required for jointing and testing the joints to the specified pressure etc complete (PMSI No.1 Page-33)			
8 Joints 10" dia	@Rs: 1576/-	P. Joint	Rs: 12608/-
		Total: -	Rs: 179845/-
For 4 Nos:	179845/-	x 4	Rs: 719380/-

**6. Staff Quarter ( 2 No:)**

01. Excavation for foundation of building, bridges & other structure i/c deg belling dressing, refilling around the structure with excavated earth watering ramming lead upto one chain and lift upto 5' in ordinary soil (CSI No:13(B),P-4)

526.63 cft.	@Rs: 3176/25	P% cft.	Rs: 1673/-
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02. C.C. brick or stone ballast 1 1/2" to 2" gauge Ratio 1:3:8 (CSI No:4,P-16)

266.33 cft.	@Rs: 9416/28	P% cft.	Rs: 25078/-
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03. C.C. Plain i/c placing, compacting, finishing & curing complete i/c screening and washing of stone aggregate without shuttering (GSI No: 5, P-17)

571.41 cft.	Ratio 1:3:6	@Rs: 12595/-	P% cft.	Rs: 71968/-
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04. Erection & Removal of centering for R.C.C plain or C.C with partial wood 2% class (Vertical) (CSI No:2, P-32)

1126.81 sft.	@Rs: 3127/41	P% sft.	Rs: 35240/-
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05. Filling watering ramming earth in floor with surplus earth from foundation lead upto one chain and lift upto 5' (CSI No: 21,P-4)

465.78 cft.	@Rs: 3630/-	P% cft.	Rs: 1691/-
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06. Pucca brick work in ground floor i/c striking of joints upto 20' height (CSI No:5,P-25) Ratio 1:6

952.45 cft.	@Rs: 12674/36	P% cft.	Rs: 120717/-
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07. Reinforcement cement concrete work i/c all Labour and material except the cost of steel reinforcement and its labour for bending and binding which will paid separately. This rate also i/c all kinds of forms moulds, lifting shuttering curing rendering and finishing and exposed surface i/c screening and washing of slingle. R.C.C work in roof, slab, beams, columns, rafters, lintels & other structural members laid in situ or precast laid in position etc complete. Ratio 1:2:4 (GSI No:6(a), P-19)

269.80 cft.	@Rs: 337/-	P. Cft.	Rs: 90923/-
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08. Fabrication of M.S reinforcement for C.C i/c cutting, bending, laying in position making joints fastening i/c cost of binding wire also i/c removal of rust from bars. (CSI No:8, P-16) Using Tor bars

10.84 cwt.	@Rs: 5001/70	P. Cwt.	Rs: 54219/-
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09. First class deodar wood wrought joinery in doors and windows etc fixed in position i/c chowkats hold fasts, lings, iron tower bolts chowks, cleats handles and pins with hooks etc (GSI No:7(B),P-65) 1 1/2" thick

194.84 sft	@Rs: 1273/76	P. sft	Rs: 24817/-
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10. Providing & Fixing deodar ultimate 9"x12" i/c boring with lock shelves shutters brass fitting complete. (CSI No: 7(h), P-65)

12.00 sft @Rs: 1778/50 P.sft Rs: 21342/-

11. Providing & Fixing ornamental cement Jali 2" thick (1:2:4) without steel (CSI No: 11, P-17)

36.00 sft @Rs: 226/02 P.sft Rs: 8137/-

12. Galva sized wire gauge fixed in chowkathas with 1/2" deodar strips and screws. (CSI No: 14 (d), P-29)

25.32 sft @Rs: 190/72 P.sft Rs: 4829/-

13. C. C. brick or stone ballast 1 1/2" to 2" gauge Ratio 1:4:8 (CSI No: 4, P-16)

61.45 cft. @Rs: 9416/28 P%cft. Rs: 5787/-

14. Providing, Laying 1" thick topping C.C 1:2:4 i/c surface finishing and dividing into panels 3" thick (CSI No: 16, P-41)

248.00 sft. @Rs: 441/82 P% sft. Rs: 10941/-

15. Dry brick on edge paving sand graded i/c preparation of bed by watering ramming and bringing the same to proper camber by 1/2" thick mud plaster (CSI No: 5, P-39)

380.03 sft. @Rs: 3823/57 P% sft. Rs: 14531/-

16. Cutting & Fixing iron bars for buried windows. (CSI No: 18, P-91)

15.00 Bars @Rs: 28/23 P.Bar Rs: 423/-

17. Cement Plaster 1:6, 1/2" thick upto 12' height. (CSI No: 10, P-58)

3258.62 sft. @Rs: 2206/60 P% sft. Rs: 71905/-

18. Primary coat of chalk distemper. (CSI No: 23, P-54)

3258.62 sft. @Rs: 442/75 P% sft. Rs: 14428/-

19. Distempereing two coats. (CSI No: 24, P-54)

3258.62 sft. @Rs: 1043/90 P% sft. Rs: 34017/-

20. Preparing surface and painting of door and window any type i/c edges 3 coats. (CSI No: 5, P-69)

206.84 sft. @Rs: 2116/41 P% sft. Rs: 4377/-

Total :-  
Rs: 840398/-  
Rs: 1680796/-

For 02 No: 2 x Rs: 840398/-

7.COMPOUND WALL SIZE (1000'x700')

01. Excavation for foundation of building, bridges and other structure i/c dog belling dressing refilling around the structure with excavated earth watering ramming lead up to one chain and lift up to 5.0 ft. in ordinary soil. (CSI No. 18(b) page-05)

10224.75 Cft. @ Rs: 3176/25 P.%0Cft Rs: 32426/-

02. C.C Brick or Stone Ballast 1 1/2" to 2" gauge. 1:4:8. (CSI No. 5 p-16)

3408.25 Cft. @ Rs: 9416/28 P% Cft. Rs: 320930/-

(1) Measurement and Valuation - S.I.P.O.R. 18/1991



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Bangalore



03.	Pucca brick work in foundation and plinth in cement sand mortar 1:6 (CSI No:4(e),P-25)			
16666.00 cft	@Rs: 11948/36	P%cft.	Rs: 1984197/-	
04.	1PC with cement sand single concrete 1:2:4 i/e two coats of asphalt mixture.(CSI No:27 p-23), 3" THICK.			
3837.48 sft.	@ Rs: 4982/18	P% sft.	Rs: 191190/-	
05.	Pucca Brick work other than building i/e striking of joints upto 20' height in cement sand mortar 1:6. (CSI No.7(i)P-26).			
9360.00 Cft.	@ Rs: 12346/65	P% Cft.	Rs: 115646/-	115646/-
06.	Cement Plaster (1:6) 1/2" thick up to 12' Height. (CSI No 12(a) Page-58)			
34554.00 Sft.	@ Rs: 2206/60	P%Sft	Rs: 762469/-	
07.	Cement Plaster (1:4) 3/8" thick up to 12' Height. (CSI No 11(b) page-53)			
34554.00 Sft.	@ Rs: 2197/52	P%Sft	Rs: 759331/-	
08.	Cement pointing struck joints on walls. Ratio 1:3 (CSI No.19 (b) P-59).			
12480.00 sft	@ Rs: 1213/58	P%SB	Rs: 151455/-	151455/-
09.	Making and fixing steel pated doors complete with locking arrangement angle iron frame 2"x2"x3/8" and 1/2" sq. bars @ c/c. (CSI No.24 p-97).			
60.00 sft	@ Rs: 726/72	P.Sft	Rs: 43603/-	
10.	R.C.C work roof slabs beams columns (CSI No.6 Page-18)			
106.00 Cwt.	@ Rs: 337/-	P.Cwt.	Rs: 35722/-	
11.	Fabrication of metallised steel. (CSI No: 24, P-60) <i>ms steel</i> <i>using Torbet's</i>			
Qty 4.25 cwt	@Rs: 5001/70	P.cwt	Rs: 21257/-	
12.	Primary coat of Chalk distemper (CSI No: 28, P-60)			
48854.00 sft	@Rs: 442/75	P% sft	Rs: 216301/-	
13.	Cement concrete plain i/e placing compacting finishing curing and Washing stone aggregate w/o shuttering Ratio 1:2:4.(CSI No.5 Page-17)			
455.00 Cft.	@ Rs: 14429/25	P% Cft.	Rs: 65653/-	
14.	Erection & removal of centering of R.C.C or Plain (C.S.I NO:8 Page 16)			
Vertical				
1820.00 Sft	@Rs: 3127/41	P%Sft	Rs: 56919/-	
15.	Distempering two coats (CSI No: 24, P-60)			
48854.00 sft	@Rs: 1043/90	P% sft	Rs: 509987/-	

Prepared by: Mr. S. K. Jha, P.E., District Engineer, Lucknow



*[Signature]*  
Project Director/Commissioner  
Lucknow Division  
11/11/2011

16. Painting new surface preparing surface & painting of guard bars gates of iron bars grating, railing i/c standard braces etc. (T similar open work),(CSI No. 4(d) P-76). 2 coats

120.00 sqft. @ Rs. 1489/68 P%Sqft. Rs. 1788/-

Total Rs: 630824/-

S.P.E. Pipe Rising Main 18" Dia.

01. Dismantling & removing of road metalling (CSI No: 51 P-13)

12000.00 cft @ Rs. 605/- P%cft Rs. 72600/-

02. Dismantling C.C. Plain 1:2:4 (CSI No: 19 (c) P-11)

1000.00 cft @ Rs. 3327/50 P%cft Rs. 33275/-

03. Dismantling C.C. Plain 1:4:8 (CSI No: 19 (c) P-11)

1000.00 cft @ Rs. 1663/75 P%cft Rs. 16638/-

04. Excavation for pipe line in trenches i/c pits in soft soil i/c trimming and dressing sides to true alignment and slope leveling of beds of trenches to correct level and grade cutting, joints holes & disposal of surplus earth within one chain or as directed by Engineer incharge i/c providing fence guards light flanges and temporary crossing for non vehicular traffic where ever required lift upto 5' and lead upto one chain. (PHSI No: 2, P-69)

108000.00 cft @ Rs. 3600/- P%cft. Rs. 388800/-

05. Providing, Laying & Fixing in trenches i/c fitting, jointing & testing etc complete in all respects, the high Density polyethylene P.E pipes (HDPE-100) for W/S conforming ISO DIN 8074:8075 I.S. 3580 & PSI 3051 (PHSI No: 1, P-25) PN-08 18" dia (500 mm O/D)

6000.00 RD @ Rs. 4205/- P.RD Rs. 25230000/-

06. Supplying C.I Tapper flat bottomed of Central bottomed flanged end holes turning and facing of flanges. (PHSI No: 11 P-15)

3.06 cwt: @ Rs. 6096/- P.each Rs. 18654/-

7. Supplying High Density P.E Elbow (Long) Radius 90° (outer dia) (PHSMI No: C, P-19)

i). 24" dia (630 mm O/D)

02 No: @ Rs. 52736/00 P.each Rs. 105472/-

8. Supplying High Density P.E Elbow (Long) Radius 45° (outer dia) (PHSMI No: C, P-19)

j). 18" dia (200 mm O/D)

02 No: @ Rs. 43947/00 P.each Rs. 87894/-

09. Butt Fusion Joints (PHSMI No: 11, P-20)

18" dia O/D)

04 Joints @ Rs. 3200/- P.Joint Rs. 12800/-



  
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Barkana



10. Refilling the excavated stuff in trenches in 6" thick layers for leveling dressing i/c watering, ramming to full compaction etc complete. (PHSI No: 24, P-53)

109800.00 cft	@Rs: 2760/-	P% cft.	Rs. 303048/-
Total:-			Rs. 26269184/-

**9.P.5. Pipe Trunk Main & Distt; System**

01. Dismantling & removing of road metalling (CSI No: 51 P-13)

20250.00 cft	@Rs: 605/-	P% cft	Rs: 122513/-
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02. Dismantling C.C. Plain 1:2:4 (CSI No: 19 (c) P-11)

10500.00 cft	@Rs: 3327/50	P% cft	Rs: 349388/-
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03. Dismantling C.C. Plain 1:4:8 (CSI No: 19 (c) P-11)

13860.00 cft	@Rs: 1663/75	P% cft	Rs: 230596/-
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04. Excavation for pipe line in trenches i/c pits in soft soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting, joints holes & disposal of surplus earth within one chain or as directed by Engineer Incharge i/c providing fence guards light flanges and temporary crossing for non vehicular traffic where ever required lift upto 5' and lead upto one chain. (PHSI No: 2, P-46)

797100.00 cft KHE 2/15	@Rs: 3600/-	P% cft.	Rs: 2869500/-
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05. Providing Laying & fixing in trenches i/c fitting, jointing & testing etc complete in all respects the high Density polyethylene P.I. pipe (HDPE-100) for W/S conforming ISO DIN 8074/8075 B.S 3580 & PSI 3051 (PHSI No: 1, P-25) PN-08

**Trunk Main**

For 16" dia pipe (450 mm)	@Rs: 3299/-	P.RR	Rs: 9897000/-
3000.00 RR			

For 12" dia pipe	@Rs: 1635/-	P.RR	Rs: 12916500/-
7900.00 RR			

For 10" dia pipe (280mm)	@Rs: 1313/-	P.RR	Rs: 7057375/-
5375.00 RR			

For 8" dia pipe	@Rs: 860/-	P.RR	Rs: 13330000/-
15500.00 RR			

For 6" dia pipe (160mm)	@Rs: 440/-	P.RR	Rs: 10120000/-
23000.00 RR			

**Distt; System**

For 4" dia pipe	@Rs: 224/-	P.RR	Rs: 7392000/-
33000.00 RR			

For 3" dia pipe	@Rs: 148/-	P.RR	Rs: 5470080/-
36960.00 RR			

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Suburban Division  
Ludhiana

06. Supplying C.I Tapper flat bottomed of Central tapper flanged end holes with holes for turning and facing turning and facing of flanges for all size. (SMI No: 9 P-12)			
24.64 cwt	@Rs: 6096/-	P.cwt	Rs: 150205/-
07. Supplying: Elbow 45° (PHSMI No: A, P-18)			
16" dia (450 mm)	1x2=2 Nos:	@Rs: 21887/0 P.each	Rs: 43774/-
12" dia (315 mm)	1x3=3 Nos:	@Rs: 10753/- P.each	Rs: 32259/-
10" dia (250 mm)	1x5=5 Nos:	@Rs: 6775/00 P.each	Rs: 33875/-
8" dia (225 mm)	1x5=5 Nos:	@Rs: 5500/- P.each	Rs: 27500/-
6" dia (160 mm)	1x8=8 Nos:	@Rs: 2784/- P.each	Rs: 22272/-
4" dia (110 mm)	1x10=10 Nos:	@Rs: 1324/- P.each	Rs: 13240/-
3" dia (90 mm)	1x12=12 Nos:	@Rs: 894/- P.each	Rs: 10728/-
08. Supplying P.E. Bend 90° (PHSMI No: B, P-18)			
16" dia (450 mm)	1x3=3 Nos:	@Rs: 27359/0 P.each	Rs: 82077/-
12" dia (315 mm)	1x3=3 Nos:	@Rs: 13441/- P.each	Rs: 40323/-
10" dia (250 mm)	1x4=4 Nos:	@Rs: 8469/00 P.each	Rs: 33876/-
8" dia (225 mm)	1x5=5 Nos:	@Rs: 6874/- P.each	Rs: 34370/-
6" dia (160 mm)	1x10=10 Nos:	@Rs: 3480/- P.each	Rs: 34800/-
4" dia (110 mm)	1x10=10 Nos:	@Rs: 1655/- P.each	Rs: 16550/-
3" dia (90 mm)	1x15=15 Nos:	@Rs: 1118/- P.each	Rs: 16770/-
09. Supplying Tees Un-Equal outer dia. (PHSMI No: F, P-19)			
12"x12"x6" dia	1x2=2 Nos:	@Rs: 12144/0 P.each	Rs: 24288/-
16"x16"x8" dia	1x1=1 Nos:	@Rs: 23279/- P.each	Rs: 23279/-
10"x10"x4" dia	1x4=4 Nos:	@Rs: 7437/00 P.each	Rs: 29748/-
8"x8"x3" dia	1x5=5 Nos:	@Rs: 5007/- P.each	Rs: 25035/-
6"x6"x3" dia	1x15=15 Nos:	@Rs: 3003/- P.each	Rs: 45045/-
10. Supplying Tees (Equal) outer dia. (PHSMI No: 5, P-14)			
12"x12"x12" dia	1x1=1 Nos:	@Rs: 17620/0 P.each	Rs: 17620/-
10"x10"x10" dia	1x1=1 Nos:	@Rs: 11086/- P.each	Rs: 11086/-
8"x8"x8" dia	1x4=4 Nos:	@Rs: 9047/00 P.each	Rs: 36188/-
6"x6"x6" dia	1x8=8 Nos:	@Rs: 4572/- P.each	Rs: 36576/-
4"x4"x4" dia	1x25=25 Nos:	@Rs: 2194/- P.each	Rs: 54850/-
3"x3"x3" dia	1x15=15 Nos:	@Rs: 1479/- P.each	Rs: 22185/-

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Larkana



11. Supplying Adapters (M.R.)

16" dia (450 mm)	1x4=4 Nos:	@Rs: 12150/0	P.each	Rs: 48600/-
12" dia (315 mm)	1x10=10 Nos:	@Rs: 12150/-	P.each	Rs: 121500/-
10" dia (250 mm)	1x12=12 Nos:	@Rs: 7425/00	P.each	Rs: 89100/-
8" dia (215 mm)	1x18=18 Nos:	@Rs: 4725/-	P.each	Rs: 85050/-
6" dia (160 mm)	1x27=27 Nos:	@Rs: 2025/-	P.each	Rs: 54675/-
4" dia (110 mm)	1x25=25 Nos:	@Rs: 1215/-	P.each	Rs: 30375/-
3" dia (90 mm)	1x10=60 Nos:	@Rs: 675/-	P.each	Rs: 6750/-

12. Supplying C.I Sluice Valve heavy pattern test pressure 21.0 K.g / sq. cm or 300 lbs. / sq. inch Imported  
(PHSI No: 2 P-11.)

12" dia 1x1=1 No:	@Rs: 78000/-	P.each	Rs: 78000/-
10" dia 1x1=1 No:	@Rs: 27690/-	P.each	Rs: 27690/-
8" dia 1x1=1 No:	@Rs: 17940/-	P.each	Rs: 17940/-
6" dia 1x1=1 No:	@Rs: 9360/-	P.each	Rs: 9360/-

13. Supplying short pieces (PHSI No: 2 P-11.)

16" dia 1x4=4 Nos:	@Rs: 6825/-	P.each	Rs: 27300/-
12" dia 1x10=10 Nos:	@Rs: 2600/-	P.each	Rs: 26000/-
10" dia 1x12=12 Nos:	@Rs: 2212/50	P.each	Rs: 26550/-
8" dia 1x18=18 Nos:	@Rs: 1056/25	P.each	Rs: 19013/-
6" dia 1x27=27 Nos:	@Rs: 618/75	P.each	Rs: 16706/-
4" dia 1x25=25 Nos:	@Rs: 487/50	P.each	Rs: 12188/-
3" dia 1x10=10 Nos:	@Rs: 375/75	P.each	Rs: 3750/-

14. Supplying Blank Flanges (SMI No: 12 P-16.)

16" dia 1x4=4 Nos:	@Rs: 4781/25	P.each	Rs: 19125/-
12" dia 1x10=10 Nos:	@Rs: 2750/-	P.each	Rs: 27500/-
10" dia 1x12=12 Nos:	@Rs: 1187/50	P.each	Rs: 14250/-
8" dia 1x18=18 Nos:	@Rs: 812/50	P.each	Rs: 14625/-
6" dia 1x27=27 Nos:	@Rs: 500/-	P.each	Rs: 13500/-
4" dia 1x25=25 Nos:	@Rs: 437/50	P.each	Rs: 10938/-
3" dia 1x10=10 Nos:	@Rs: 312/50	P.each	Rs: 3125/-



15. Jointing in C.I./M.S flanged pipes and specials flanged & inside a trench i/c supplying rubber packing the required thick ness nuts, bolts with washers etc & other tools required for jointing and testing the joints the specified pressure etc complete. (PHSI No:1,P-49)

12" dia 1x10=10 Nos:	@Rs. 2239/-	P.each	Rs. 22390/-
10" dia 1x12=12 Nos:	@Rs. 1570/-	P.each	Rs. 18912/-
8" dia 1x18=18 Nos:	@Rs. 940/-	P.each	Rs. 16920/-
6" dia 1x27=27 Nos:	@Rs. 938/75	P.each	Rs. 25326/-
4" dia 1x75=25 Nos:	@Rs. 513/-	P.each	Rs. 12825/-
3" dia 1x10=10 Nos:	@Rs. 499/-	P.each	Rs. 4990/-
16" dia 1x4=4 Nos:	@Rs. 3370/-	P.each	Rs. 13480/-

16. Providing fixing M.S foot rest at every one feet beyond 2 1/2' depth during excavation back filling and disposal of surplus earth etc complete. (PHSI No:1,P-40)

04 Nos:	@Rs. 18820/-	P.each	Rs. 75280/-
78735/1.5 735624.00 cft	@Rs. 2760/-	P% cft.	Rs. 2050322.5/-

Total: - Rs. 74025022/-

18. But Fused Joint (PHSI(M) No:ILP-1)

3" dia 1x67=67 Nos:	@Rs. 600/-	P.each	Rs. 40200/-
4" dia 1x74=74 Nos:	@Rs. 1000/-	P.each	Rs. 74000/-
6" dia 1x53=53 Nos:	@Rs. 1000/-	P.each	Rs. 53000/-
8" dia 1x32=32 Nos:	@Rs. 1800/-	P.each	Rs. 57600/-
10" dia 1x21=21 Nos:	@Rs. 1800/-	P.each	Rs. 37800/-
12" dia 1x18=18 Nos:	@Rs. 2200/-	P.each	Rs. 39600/-
16" dia 1x9=9 Nos:	@Rs. 2800/-	P.each	Rs. 25200/-

Total: - Rs. 47327397/-  
Rs. 74352422.5/-

**TO. RESTORATION OF ROAD/ BLOCK;**

01. Cement concrete plain i/c placing compacting finishing curing and Washing stone aggregate w/o shuttering. (CSI No.5 Page-17) Ratio 1:4:8

34215.5 44875.00 CR.	@ Rs. 1288/75	P% CR.	Rs. 5065827/-
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b) Ratio 1:2:4 for Plugging

12500.0 4467.00 CR.	@ Rs. 14429/25	P% CR.	Rs. 2044192/-
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10. Providing and fixing cement paving Block of flooring having size of 197 mmx97mmx60 mm of city / quidara/ cobble shape with natural colours strength b/w 5000 lbs PSI 8000 lbs i/c filling the joints with hill sand and laying specified manu / pattern and design etc complete (CSI No. 71P-49).

70900.0 404700.0 CR.	@ Rs. 199/77	P.RR.	Rs. 20915919/-
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Contractor and Supt. OFFICE: (A) Withd...



Project Director / General Manager  
Karnataka Division  
Bangalore



04. Erection & Removal of centering for cc works of partial wood 2<sup>nd</sup> class.  
(CSI No.19 page-17)

10500.00 sft

@ Rs. 3127.41

P% sft

Rs: 328378/-

Total

Rs: 26310124/- 199 QERS

11.0 A SHIFTING OF DOMESTIC WASTE WATER

'A' C.C DRAINS & CATCH PIT

1. Excavation in foundation of building bridges and other structures i/c dig biling dressing refilling around the structures with excavated Earth watering ramming up to 5ft (b) in ordinary soil (G.S.I-18/P/4)

10282.50 Cft

@Rs 3175.25

P% Cft

Rs 32592/-

2. Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering Ratio 1:4:8 (G.S.I-5 P/17)

2471.45 Cft

@Rs 11288.75

P% Cft

Rs: 278995/-

C.C Plain 1:2:4

12.25 Cft

@Rs: 14429.25

P% Cft

Rs: 1768/-

3. Pacca brick work in foundation and plinth in cement sand mortar(1:6) (G.S.I No 4 P/24)

6330.75 Cft

@Rs 11948.36

P% Cft

Rs: 755421/-

4. Construction of standard open type drains curnette block of C.C 1:2:4 cast of situ to the design profiles i/c cost of mould as per drawing i/c supplying floating cost of cement 1/32" thick to expose surface faces finished smooth curing complete as per drawing desing (GSI No: P 1/P/57 D.P.-1)

Type A

4000.00 rft

@Rs 94.00

P. rft

Rs 376000/-

5. Cement plaster (1:4) up to 20" height 1/2" thick (G.S.I-11/P/57)

12346.50 sft

@Rs 2283.93

P% Sft

Rs 281985/-

6. R.C.C work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately This rate also includes all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) R.C work in roof slab members laid in situ or precast laid in position complete in a respect (i) Ratio 1:2:4 90 lbs cement 2 cft sand 4 cft shingle 1/8" to 1/4" gauge (G.S.I-6 P/17)

256.91 Cft

@Rs 337.00

P-Cft

Rs 86577/-

7. Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also includes removal of rust from bars (G.S.-7 (ii) (a) P/19) *using Tor bars*

9.18 Cwt

@Rs 4820.20

P-Cwt

Rs 44226/-

8. Excavation for pipe line trenches and pits in soft soils i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer incharge providing fence guards lights flags and temporary crossing for non vehicular traffic where were required lift upto 5 ft and lead upto one chain (P.H.S.I-1, P-80)

560.00 Cft @Rs 3600.00 P% Cft Rs 20160/-

9. Providing laying RCC pipes of ASTM C-76-70 of class Li wall B and fixing in trenches i/c cutting fitting and jointing with rubber ring i/c testing with water to specified pressure (PHSI No 1 P-17)

56.00 rft @Rs 229.00 P.rft Rs 12824/-

10 Refilling the excated stuff in 6" thick layers i/c watering ramming to full compaction etc complete (PHSI No.24 P-77)

504.00 Cft @Rs 2760.00 P% Cft Rs 13910/-

Fabrication of heavy steel work with angels, tees, flat iron round iron and sheet iron for making trusses, girders, lands etc i/c drilling rivetting banding assembling and fixing but excluding erection in position (CSI No 2 P-90)

2.31 CWt @Rs 4928.49 P.CWt Rs 11365/-

Rs. 1916712  
1890132/-

#### 11. B. SOAKA PIT 7' DIA

01. Excavation in foundation of building, bridges & other structure i/c deg, heeling dressing refilling around the structure with excavated earth watering, ramming lead upto one chain and lift upto 5' in ordinary soil

592.0 cft @ Rs : 3176/25 P% cft RS: 1881/=

02: Extra for silt/sand i/c dewatering (GSI No.16, P-4)

252.11 cft @ Rs : 2420/- P% cft RS: 612/=

3. C.C Brick or stone Ballast 1 1/2" to 2" Ratio 1:4:8 (CSI No:4,P-4)

27.38 cft @Rs: 9416/28 P% cft Rs: 2578/-

4. Dry Rammed brick or stone ballast 1 1/2" to 2" guage (C. S.INDO 2 Page14)

153.86 @ Rs: 3327/50 P% cft Rs: 5120/=

5. Pacea brick work in foundation and plinths in cement sand mortar 1:4 (GSI No:4,P-19)

159.69 cft @Rs: 12501/41 P% cft Rs: 19880/-

6. Extra for pacea brick in staining of wells of any shape or any circular masonry. (GSI No:10,P-22)

159.69 cft @Rs: 1131/63 P% cft Rs: 1807/-

07. R.C.C Work in roof, slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position etc complete in all respects. Ratio 1:2:4 (GSI No:6,P-17)

28.35 cft @Rs: 337/00 P.cft Rs: 9554/-

*[Handwritten Signature]*  
1/10



08. Fabrication of M.S reinforcement for C.C 1/2 cutting, bending, laying in position making joints fastening i/c cost of binding wire also i/c (los removal of rust from bars.  
(CSI No:7, P-18)

L.L.ewt	@Rs: 5001/70	P.ewt	Rs: 5652/-
		TOTAL	Rs: 46284/0
For 7 No;	7	Rs: 46284/-	Rs: 323988/-

189 0/32

A. Abstract			Rs: 4948712/-
B. C.C Drains			Rs: 323988/-
Soak pit 7' dia			22/4/20
Total			Rs: 22427000/-

12: A Renovation of Existing Storage Tanks.

01. Earth work excavation in ashes, sand soft soil or silt clearance undressed lead upto 50' (CSI No:2,P-1)

745297.0 CB	@Rs:1663/75	P.%eff.	Rs.1239987/-
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02. Extra for every 50' additional lead or thereof for earth work (soft, ordinary, hard and very hard). (CSI No.8 P3)

745297.0 CB	@Rs:1209/36	P.%o eff	Rs.901332/-
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03. Excavation for foundation of building bridges and other other structure i/c dag belling dressing refilling around the structure with excavated earth watering ramming lead upto one chain and lift upto 5.0 ft in ordinary soil. (CSI No.18 P-5)

3250.0 CB	@Rs:3176/25	P.%o eff	Rs.10322/-
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04. Applying floating coat of cement 1/32" thick (CSI No.14 P-52)

129756.10 CB	@Rs:660/00	P.%o eff	Rs.856390/-
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05. Dismantling cement concrete reinforced separating reinforcement from concrete cleaning and straightening the same. (PISI No:8,P-38)

153.12 cft	@Rs:817/10	P%CB:	Rs: 1251/-
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06. Supplying Girders in Quality (SMI No:140,P-6)

4.07 cwt	@Rs:3850 /-	P.cwt:	Rs: 15670/-
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07. Supplying Angel iron, T-Iron, Iron strips grating C.I Mould studs and rolls. (SMI No:144,P-6)

4.03 Cwt:	@Rs: 3575/0	P.cwt:	Rs: 14407/-
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08. Second Class tile roofing consisting of 4" earth and mud plaster with Gobis keeping over 1/2" thick cement plaster 1:6 with 34 lbs. (CSI No:2,P-33)

204.25 Sft:	@Rs: 7607/25	P%Sft:	Rs: 15538/-
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08. Cement concrete plain i/c placing compacting finishing curing and Washing stone aggregate w/o shuttering. (CSI No.5 Page-17 ) Ratio 1:4:8

5024.50 CB.	@Rs: 11288/75	P%CB.	Rs. 567203/-
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Preparation and Review of Bill of Materials by 

  
 Project Director/Commissioner  
 Larkana Division  
 Larkana

Ratio 1:2:4

Qty: 42819.50 Cft.

@ Rs. 14429/25

P% Cft.

Rs. 6144696/-

09. Pucca brick work in foundation and plinth in cement sand mortar 1:6 (GSI No:4(c),P-25)

Qty: 11368.00 cft

@Rs: 11948/36

P% cft.

Rs: 1358290/-

10. Cement Plaster (1:4) upto 20' height 1/2" thick. (CSI No:11,P-57)

Qty: 38346.00 sqft

@Rs: 2283/93

P% sqft.

Rs: 878080/-

Total Rs: 12003166/-

12:B - TUBE WELL 10 NOS:

01. Boring for tube well in all bearing soils from ground level upto 100' or 30.50 meters depth i/c sinking & with drawing of casing pipe. (PHSI No: 1,P-36)

65.00 Rft: 12" dia

@Rs: 743/-

P.Rft:

Rs: 48295/-

02. Taking & preserving in box 2 lbs (1 Kg) samples of strata from bore holes. (PHSI No:6,P-36)

08 Samples

@Rs:101/-

P.each.

Rs: 808/-

03. Taking samples of water from bore holes and placing in two separate bottles. (PHSI No:7,P-37)

4 Samples

@Rs:131/-

P.each.

Rs: 524/-

04. Supplying & installing PVC strainer 'B' class of approved design, quality and make i/c necessary sockets etc complete. (PHSI No:9,P-30)

25.00 Rft: 8" dia.

@Rs:554/05

P.Rft:

Rs: 13851/-

05. Supplying & installing PVC blind pipe 'D' class of approved design, quality and make i/c necessary sockets etc complete. (PHSI No:12,P-31)

40.00 Rft: 8" dia.

@Rs: 516/80

P.Rft:

Rs: 20672/-

06. Shrouding with graded Bajri (3/8" to 1/8") or (9 to 3 mm) in between bore and blind pipe for the following diameters of strainers. (PHSI No:13,P-31)

65.00 Rft: 8" dia.

@Rs: 105/-

P.Rft:

Rs: 6825/-

07. Providing & Fixing of PVC end plug of approved quality (PHSI No: 1, P-18)

01 No:

@Rs: 1000/-

P.each

Rs: 1000/-

08. Supplying & Fixing of M.S hat plug (PHSI No: 14, P-45)

01 No:

@Rs: 2607/-

P.each

Rs: 2607/-

09. Development of Tube Well (PHSI No: 8 (a), P-43)

65.00 Rft:

@Rs: 2009/-

P.Rft:

Rs: 13009/-

Total Rs: 1,07,582/-

For 10 Nos: Tube Wells i.e. 107582/- x 10 =

Rs: 1075820/-

Commissioner and Secretary, D.D. & P. (PHSI) Department, Patna

Project Director/Commissioner  
Larkana Division  
Larkana



## 12. C. PUMPING MACHINERY @ TUBE WELL.

### a. ELECTRIC PUMPING SET 10 BHP.

1. Supplying & installing in position i/c transportation to site of work, A.C Electric Pumping set consisting of A.C electric Motor of (SIEMENS make) of 10 BHP 3 phase 50 cycles 400/420 volts of 2900 RPM (Siemens make) (type ILA7-130-2AA 60) coupled with (KSB ETANORM Centrifugal pump Type (ETA-50-160) size 2"x2 1/2" mounted on common steel frame or base plate capable of discharging 90 gallons per minute against a head of 110 ft & providing & fixing Motor Control Unit (Siemens make) i/c installing of pumping set on cement concrete foundation (12'x4) with M.S nuts bolts of 1/2" to be embedded in C.C foundation i/c providing and fixing on metalised board to accommodate main or sub-main control switches recessed in the wall with locking arrangements i/c providing internal electric wiring for main with 3-7.052 (10mm) copper conductor in 1" dia PVC conduit on surface as required i/c providing and fixing earthing set with 0.6Mx0.6Mx5.3MM (2"x2" x 1/2") copper plate buried in the ground at depth of 3.7M (12') or less as per PAF-PWD specification and testing for the pumping set against the required head of 72 hours etc complete.

Q15: 10 Set	@ Rs. 299000/-	P.Set.	Rs. 29,90,000/-
Total: -			Rs. 29,90,000/-

### Inter Connection

01. Supplying P.I. (HDPE-100) P.N. 10 (3" dia 90 mm) (PHSM No: (E) 1 P-25)

62.00 rft      3" dia      @Rs: 178/-      P.rft      Rs: 11036/-

02. Supplying C.I Tail piece with one ends flanged and socket at the other end for all size (PHSM No: 5, P-12)

0.79 cwt      @Rs: 6096/-      P.cwt      Rs: 1088/-

03. Manufacturing & installing M.S flange 3" dia made out M.S sheet cutting drilling hole etc complete (R.A Based on Schedule Rates)

3" dia 1x11=11 Nos:      @Rs: 500/89      P.each      Rs: 5009/-

04. Supplying C.I Sluice Valve heavy pattern test pressure 300 lbs / sq. inch imported (PHSM No: 6, P-10)

3" dia 1x1=1 No:      @Rs: 4290/-      P.each      Rs: 4290/-

05. Supplying C.I bend 90° with flanged ends with holes i/c turning and facing of flanges (PHSM No: 2, P-11)

0.71 cwt      @Rs: 6096/-      P.cwt      Rs: 4328/-

06. Supplying Reflex Valve heavy pattern test pressure 300 lbs / sq. inch imported (PHSM No: 6, P-10)

3" dia 1x1=1 No:      @Rs: 1543/75      P.each      Rs: 1544/-

07. Supplying C.I Taper flat bottom or central bottomed flanged ends with holes i/c turning and facing of flanges all size (PHSM No: 9, P-10)

0.20 cwt      @Rs: 6096/-      P.Cwt      Rs: 1219/-

08. Supplying C.I Plug valve heavy pattern with cone type gate imported (PHSM No: 4, P-11)

3" dia 1x1=1 No:      @Rs: 731/25      P.each      Rs: 731/-

09. Supplying Butt Flange Joints. (PHSM No: 11, P-20)

3" dia 1x12=12 Nos:      @Rs: 600/-      P.each      Rs: 7200/-

Project Director/Commissioner  
 Technical Division  
 Lucknow

10. Supplying Flange Adaptor (Approved Rate)

3" dia 1x12=12 Nos: @Rs: 675/-

P. each

Rs: 8100/-

11. Joining C.I./M.S. flanged pipe and specials flanged ends inside trenches i/c supply rubber packing of reputed thickness nuts-bolts with washers and other tools required for joining and testing the joints to the specified pressure etc complete (PDSI No.1 Page-33)

3" dia 6 Joints @Rs: 499/-

P. Joint

Rs: 2994/-

Total: -

Rs: 38351/-

Rs: 3,83,510/-

For 10 Nos: Rs: 38351/- x 10

ABSTRACT

A:- Pumping Machinery

Rs: 29,00,000/-

B:- Trench Connection

Rs: 3,83,510/-

Total: -

Rs: 32,83,510/-

12. d PUMPING MACHINERY.

a. ELECTRIC PUMPING SET 40 BHP.

1. Supplying & installing in position i/c transportation to site of work Water Supply Scheme Shabdakot, Vertical Turbine Electric Pumping set consisting of Solid Shaft electric vertical Motor of (SIEMENS made) of 40 BHP of 1450 RPM of squirrel cage totally enclosed for doed type suitable for tropical clim. The motor is fast mounted single shaft suitable for 3 phase 50 cycles, 380 volts A.C Electric supply at 40°C ambient insulation class "B" with non reversible ratchet coupled with (KSB) vertical pump type B1017/6 consisting of pumps bowl assembly with suction discharge case intermediate bowl all made of cast iron with bronze impellers 130/134 dynamically balanced with securely fastened to stainless steel pump shaft connected to line shaft by means of with threaded coupled columns shaft and top shaft made carbon steel surface discharge made of cast iron with base for mounting pump bowl assembly is connected to discharge head with 01 set of co: pip assembly 10 ft: in length of 100x3050 mm dia pump capable of discharging 500 GPM at a total head of 150 driven by 4 pole vertical hollow shaft (Siemens) motor and pump setting depth 10 ft: pump set to be supplied with siemens motors 20 BHP P/4 pole electric motor and siemens ASD-KSB starter i/c installation of the pumping set on cement concrete foundation (1:2:4) with M.S nuts bolts of 5/8" to be embedded in C.C foundation i/c providing and fixing on prepared board Siemens M.C.U 40 BHP complete wiring for mains with 3-19/2, 14 7/044 PVC insulated wire 660 volts grade in 25 mm (1") heavy gauge steel conduit on surface as required i/c providing and fixing earthing set with 0.6Mx0.6Mx5.3MM(2"x2"x 3/8) copper plate buried in the ground at depth of 3.7M(12") or less as per Pak DWID specification and testing for the pumping set against the required head of 72 hours etc complete.

Qty: 02 Sets

@ Rs. 1405200/-

P. Set.

Rs. 28,10,400/-

Total: -

Rs. 2810400/-

Project Director/Commissioner  
CENTRAL GOVERNMENT  
AMRITSAR



Inter Connection

01. Supplying P.F (HDPE-100) P.N 10 (3" dia 90 mm) (PHSI No: (E) 1 P-25)			
20.00 rft	6" dia @Rs: 530/-	P.rft	Rs: 10600/-
02. Manufacturing & installing M.S flange 3" dia made out M.S sheet cutting drilling hole etc complete (R.A Based on Schedule Rates)			
6" dia 1x6=06 Nos:	@Rs: 804/77	P.each	Rs: 4829/-
03. Supplying Reflex Valve heavy pattern test pressure 300 lbs. / sq. inch imported (PHSMI No: 6, P-10)			
6" dia 1x1=1 No:	@Rs: 4062/50	P.each	Rs: 4063/-
04. Supplying C.I Sluice Valve heavy pattern test pressure 300 lbs. / sq. inch imported (PHSMI No: 6, P-10)			
6" dia 1x1=1 No:	@Rs: 9360/-	P.each	Rs: 9360/-
05. Supplying C.I bend 90° with flanged ends with holes i/e turning and facing of flanges (PHSMI No: 9, P-11)			
1.097 cwt	@Rs: 6096/-	P.cwt	Rs: 6687/-
06. Supplying C.I Taper flat bottom or central bottomed flanged ends with holes i/e turning and facing of flanges all size (PHSMI No: 9, P-10)			
0.062 cwt	@Rs: 6096/-	P.Cwt	Rs: 378/-
07. Supplying C.I Short pieces (PHSMI No: 9, P-13)			
6" dia 1x1=1 No:	@Rs: 618/75	P.each	Rs: 619/-
08. Supplying Butt Fusion Joints. (PHSI No: 11, P-20)			
6" dia 1x6=6 Nos:	@Rs: 1000/-	P.each	Rs: 6000/-
09. Supplying Flange Adopter. (Approved Rate)			
6" dia 1x6=6 Nos:	@Rs: 1215/-	P.each	Rs: 7290/-
10. Jointing C.I/ M.S. flanged pipe and specials flanged ends inside trenches i/e supply rubber packing required thickness nuts bolts with washers and other tools required for jointing and testing the joints to specified pressure etc complete (PHSI No.1 Page-33).			
6" dia 8 Joints	@Rs: 938/-	P.Joint	Rs: 7504/-
		Total:-	Rs: 57330/-
			Rs: 114660/-

For 02 Nos: Inter Connection = 57330/- x 2 =

5. B PUMPING MACHINERY.

a. ELECTRIC PUMPING SET 80 BHP.

1. Supplying & installing in position i/e transportation to site of work Water Supply Sch Shahdaddkot, Vertical Turbine Electric Pumping set consisting of Solid Shaft electric vertical Moto (SIEMENS made) of 80 BHP of 1450 RPM of squirrel cage totally enclosed for deed type suitable tropical limit. The motor is foot mounted single shaft suitable for 3 phase 50 cycles, 380 volts A.C Ele supply at 40°C ambient insulation class "B" with non reversible ratchet coupled with (KSB) vertical p type B1013/6 consisting of pumps bowl assembly with suction discharge case intermediate bowl all ma cast iron with bronze impellers 149/ 134 dynamically balanced with securely fastened to stainless steel shaft connected to lime shaft by means of with threaded coupled columns shat and top shat made of steel surface discharge made of cast iron with base for mounting pump bowl assembly is connect discharge head with 01 set of co. pmp assembly 10 ft. in length of 100x3050 mm dia pump capab discharging 950 GPM at a total head of 175 driven by 4 pole vertical hollow shaft (Siemens) and

pump setting depth 10 ft: pump set to be supplied with siemens motors 80 BHP P/4 pole electric motor and siemens ASD-KSB starter i/c installation of the pumping set on cement concrete foundation (1:2:4) with M.S nuts bolts of 5/8" to be embedded in C.C foundation i/c providing and fixing on prepared board Siemens M.C.U 80 BHP complete wiring for mains with 3-19/2, 14 7/044 PVC insulated wire 660 volts grade in 25 mm (1") heavy gauge steel conduit on surface as required i/c providing and fixing earthing set with 0.6Mx0.6Mx5.3MM(2"x2"x 3/8) copper plate buried in the ground at depth of 3.7M(12') or less as per Pak PWD specification and testing for the pumping set against the required head of 72 hours etc complete. (R.A Attached).

Qty: 03 Set @ Rs. 1916300/- P.Set. Rs. 5748900/-

Total: - Rs. 5748900

Infer Connection

01. Supplying P.E (HDPE-100) P.N 10 (5" dia 90 mm) (PHSI No: (F) 1 P-25)

20.00 rft 10" dia @Rs: 1590/- P.rft Rs: 31800/-

02. Manufacturing & installing M.S flange 3" dia made out M.S sheet cutting drilling hole etc complete (R.A Based on Schedule Rates)

6 Nos: 10" dia @Rs: 1303/48 P.each Rs: 7821/-

03. Supplying Reflex Valve heavy pattern test pressure 300 lbs: / sq: inch imported (PHSMI No: 6, P-10)

1 No: 10" dia @Rs: 18687/50 P.each Rs: 18688/-

04. Supplying C.I Sluice Valve heavy pattern test pressure 300 lbs: / sq: inch imported (PHSMI No: 6, P-10)

1 No: 10" dia @Rs: 27690/- P.each Rs: 27690/-

05. Supplying C.I bend 90° with flanged ends with holes i/c turning and facing of flanges (PHSMI No: 9, P-11)

2.91 cwt @Rs: 6096/- P.cwt Rs: 17739/-

06. Supplying C.I Taper flat bottom or central bottomed flanged ends with holes i/c turning and facing of flanges all size (PHSMI No: 9, P-10)

0.58 cwt @Rs: 6096/- P.Cwt Rs: 3536/-

07. Supplying C.I Short pieces (PHSMI No: 9, P-13)

1 No: 10" dia @Rs: 2212/50 P.each Rs: 2213/-

08. Supplying Butt Fusion Joints. (PHSI No: 11, P-20)

6 Nos: 10" dia @Rs: 2200/- P.each Rs: 13200/-

09. Supplying Flange Adapter. (Approved Rate)

6 Nos: 10" dia @Rs: 7425/- P.each Rs: 44550/-

10. Jointing C.I/ M.S. flanged pipe and specials flanged ends inside trenches i/c supply rubber packing required thickness nuts bolts with washers and other tools required for jointing and testing the joints to specified pressure etc complete (PHSI No.1 Page-33).

8 Joints 10" dia @Rs: 1576/- P.Joint Rs: 12608/-

Total: - Rs: 179845/-

For 3 Nos: 179845/- x 3

Rs: 339535/-



## 12. F REPAIR & RENOVATION OF WATER WORKS:

### REWINDING OF ELETRIC MOTOR:

01. Rewinding of Electric Motor 3 phase 400/400 volts 50 cycles with best quality insulated copper wire of required gauge i/c testing on load with satisfactory result up to one weeks time opening & refitting and replcing the bolts if necessary excluding the cost of worn out material 1450 RPM. (CSI No.97, P-101)

10 BHP

3 Job. ✓ @Rs: 10599/- ✓ P.Job. ✓ Rs: 31797/- ✓

40 BHP

2 Job. ✓ @Rs: 40280/- ✓ P.Job. ✓ Rs: 80560/- ✓

02. Repair of pump i/c change of ball bearing, M.S shaft, brass bushes for gland & Rooter etc completed (L.O.R) Rate approved.

02 Jobs. ✓ @Rs:10000/- ✓ P.Job. ✓ Rs: 20000/- ✓

03. Supplying & fixing automatic control unit (MCU) consist Oil starter (MEECO Pakistan) MCCB Breaker. (SIEMENS Made)

40 BHP

4 Nos: ✓ @Rs:60000/- ✓ P.Job. ✓ Rs: 240000/- ✓

80 BHP

6 Nos: ✓ @Rs:96500/- ✓ P.Job. ✓ Rs: 579000/- ✓

04. Providing & Laying (Main or Sub Main) PVC installed with size 4-7/064 (10mm<sup>2</sup>) Copper conductor in 1/2" dia PVC conduct on surface (E.S.I No.35 P-35)

150.00 Meter ✓ @Rs:1169/- ✓ P.Meter: ✓ Rs: 175350/- ✓

Rs: 1126707/-

### 13. COMPOUND WALL @ WATER WORKS NO;1 & II.

01. Excavation for foundation of building, bridges and other structure i/c deg belling dressing, refilling around the structure with excavated earth watering ramming lead up to one chain and lift up to 5.0 ft. in ordinary soil (CSI No.18(b) page-05)

16573.50 ✓  
5524.50 Cft. ✓ @ Rs. 9416/28 ✓ P.%0Cft ✓ Rs: 52642/- ✓

02. C.C Brick or Stone Ballast 1 1/2" to 2" guage. 1:4:8. (CSI No.5 p-16).

5500.00 Cft. ✓ @ Rs. 11288/75 ✓ P% Cft. ✓ Rs: 620202/- ✓

03. Pucca brick work in foundation and plinth in cement sand mortar 1:6 (GSI No:4(e),P-25)

26895.00 cft ✓ @Rs: 11948/36 ✓ P% cft. ✓ Rs: 3213511/- ✓

04. DPC with cement sand shingle concrete 1:2:4 i/c two coats of asphalt mixture; (CSI No.27 p-23). 3" THICK.

6215.00 sft. ✓ @ Rs. 4982/18 ✓ P% sft. ✓ Rs. 309642/- ✓

05. Pucca Brick work other than building i/c striking of joints upto 20' height in cement sand mortar 1:6. (CSI No.7(i)P-26).

15138.00 Cft. ✓ @ Rs. 12346/65 ✓ P% Cft. ✓ Rs: 1869036/- ✓

06.	Cement Plaster (1:6) ½" thick up to 12' Height, (CSI No.12(a) Page-58)			
91684.00 Sft.	@ Rs. 2206/60	P%Sft	Rs. 2023099/-	
07.	Cement Plaster (1:4) 3/8" thick up to 12' Height, (CSI No.11(b) page-53)			
91684.00 Sft.	@ Rs. 2197/52	P%Sft	Rs. 2014774/-	
08.	Cement pointing struck joints on walls. Ratio 1:3 (CSI No.19 (b) P-59).			
20184.00 sft	@ Rs. 1213/58	P%Sft	Rs. 244949/-	
09.	Making and fixing steel gated doors complete with locking arrangement angle iron frame 2"x2"x3/8" and ¾" sq bars @ c/c. (CSI No.24 p-97).			
120.00 sft	@ Rs. 726/72	P.Sft	Rs. 87206/-	
10.	Cement concrete plain i/c placing compacting finishing curing and Washing stone aggregate w/o shuttering Ratio 1:2:4 (CSI No.5 Page-17)			
735.87 Cft.	@ Rs. 14429/25	P%Cft.	Rs. 106181/-	
11.	Erection & removal of centering of R.C.C or Plain (C.S.I NO:8 Page16) Vertical			
2943.00 Sft	@Rs: 3127/41	P%Sft	Rs: 92055/-	
12.	Primary coat of Chalk distemper (CSI No: 28, P-60)			
114811.50 sft	@Rs: 442/75	P% <sup>sft</sup>	Rs: 508328/-	
13.	R.C.C work roof slabs beams (CSI No.5 Page-17)			
212.0 Cft.	@ Rs. 337	P%Cft.	Rs. 71444/-	
14.	Fabrication of metalled steel. (CSI No: 24, P-60) m/c			
Qty 8.51 cwt	@Rs: 5001/70	P.cwt	Rs: 42564/-	
15.	Distemping two coats (CSI No: 24, P-60)			
114811.00 sft	@Rs: 1043/90	P% <sup>sft</sup>	Rs: 1198517/-	
16.	Painting new surface preparing surface & painting of guard bars gates of iron bars grating, railing i/c standard braces etc. (T similar open work) (CSI No. 4(d) P-76). 2 coats			
240.00 sft.	@ Rs. 1489/68	P%Sft.	Rs. 3575/-	

Total Rs: 12360266/-



## GENERAL ABSTRACT OF COST

	<u>Schedule Items</u>	<u>Non Sch: Items</u>	<u>G. Total</u>
01. Feeding Channel	Rs: 18,51,188/-	Rs: -	Rs: 18,51,188/-
02. Storage Tanks	Rs: 7,83,27,373/-	Rs: -	Rs: 7,83,27,373/-
03. Clear Water Tank 30' dia	Rs: 18,28,159/-	Rs: -	Rs: 18,28,159/-
04. Pump House 30'x12'	Rs: 3,83,617/-	Rs: -	Rs: 3,83,617/-
04.1 Pump House 12'x10'	Rs: 2,49,130/-	Rs: -	Rs: 2,49,130/-
05. Pumping Machinery Raw water	Rs: -	Rs: 9,34,400/-	Rs: 9,34,400/-
05.a. Inter Connection	Rs: 1,66,230/-	Rs: 48,600/-	Rs: 2,14,830/-
05.b. Pumping Machinery 80 BHP	Rs: -	Rs: 76,52,200/-	Rs: 76,52,200/-
05.c. Inter Connection	Rs: 5,09,896/-	Rs: 2,69,484/-	Rs: 7,19,380/-
06. Staff Quarter	Rs: 16,80,796/-	Rs: -	Rs: 16,80,796/-
07. Compound Wall	Rs: 63,08,924/-	Rs: -	Rs: 63,08,924/-
08. P.E Pipe Rising Main 18" dia	Rs: 2,62,69,184/-	Rs: -	Rs: 2,62,69,184/-
09. P.E Pipe Trunk Main Distr: system	Rs: 7,39,16,372/-	Rs: 4,36,050/-	Rs: 7,43,52,422/-
10. Restoration of Road/ Block	Rs: 2,63,10,124/-	Rs: -	Rs: 2,63,10,124/-
11. Shifting of Domestic waste water	Rs: 22,42,700/-	Rs: -	Rs: 22,42,700/-
12.a. Renovation of Ex: Storage Tank	Rs: 1,20,03,166/-	Rs: -	Rs: 1,20,03,166/-
12.b. Tube Wells 10 Nos:	Rs: 10,75,820/-	Rs: -	Rs: 10,75,820/-
12.c. Pumping Machinery 10 BHP	Rs: -	Rs: 29,90,000/-	Rs: 29,90,000/-
12.c.i. Inter Connection	Rs: 2,52,420/-	Rs: 1,31,090/-	Rs: 3,83,510/-
12.d. Pumping Machinery 40 BHP	Rs: -	Rs: 28,10,400/-	Rs: 28,10,400/-
12.e. Inter Connection	Rs: 99,422/-	Rs: 42,238/-	Rs: 1,32,660/-
12.f. Pumping Machinery 80 BHP	Rs: -	Rs: 57,48,900/-	Rs: 57,48,900/-
12.g. Inter Connection	Rs: 582,422/-	Rs: 157,113/-	Rs: 539,535/-
12. I. Rewinding of Elec: Motors	Rs: 2,78,707/-	Rs: 8,39,000/-	Rs: 11,17,070/-
13. Compound Wall W/W 1 & 2	Rs: 1,23,60,204/-	Rs: -	Rs: 1,23,60,204/-
<b>Total: -</b>	<b>Rs: 24,64,86,854/-</b>	<b>Rs: 2,19,99,475/-</b>	<b>Rs: 268,48,63,299/-</b>

Amount Total (a)


-----% above/ below on the rates CSR


Total (A) = a+b in words & figure:

Amount to be added/ deducted on the

Basis of premium quoted

Total (b)

  
CONTRACTOR

Executive Engineer  
Public Health Engg: Division  
Kamber Shahdakt @ Kamber 

GENERAL ABSTRACT OF COST

Schedule Items	Non Self Items	G. Total
01. Feeding Channel	Rs: 18,51,188/-	Rs: 18,51,188/-
02. Storage Tanks	Rs: 72,25,000/-	Rs: 72,25,000/-
03. Cover Water Tank 30' dia	Rs: 1,82,150/-	Rs: 1,82,150/-
04. Pump House 30' x 12'	Rs: 1,82,150/-	Rs: 1,82,150/-
05. Pump House 12' x 10'	Rs: 2,19,130/-	Rs: 2,19,130/-
05. Pumping Machinery Raw water	Rs: 9,34,400/-	Rs: 9,34,400/-
05a. Inter Connection / Intake	Rs: 2,31,600/-	Rs: 2,31,600/-
05b. Pumping Machinery 80 BHP	Rs: 2,66,520/-	Rs: 2,66,520/-
05c. Inter Connection	Rs: 5,11,800/-	Rs: 5,11,800/-
05. SFD Quarter	Rs: 16,80,798/-	Rs: 16,80,798/-
07. Compound Wall	Rs: 63,05,924/-	Rs: 63,05,924/-
08. F.P. Pipe Rising Main 18" dia	Rs: 2,62,59,188/-	Rs: 2,62,59,188/-
09. F.P. Pipe Frank Main Drain system	Rs: 7,38,71,347/-	Rs: 7,38,71,347/-
10. Restoration of Road Block	Rs: 1,99,88,852/-	Rs: 1,99,88,852/-
11. Sliding of Domestic waste water	Rs: 2,21,412/-	Rs: 2,21,412/-
12a. Renovation of Ex. Storage Tank	Rs: 1,20,03,166/-	Rs: 1,20,03,166/-
12b. Take Water to NGR	Rs: 10,75,820/-	Rs: 10,75,820/-
12c. Pumping Machinery 10 BHP	Rs: 29,90,000/-	Rs: 29,90,000/-
12d. Inter Connection	Rs: 1,31,100/-	Rs: 1,31,100/-
12e. Pumping Machinery 40 BHP	Rs: 28,10,400/-	Rs: 28,10,400/-
12f. Inter Connection	Rs: 1,5,238/-	Rs: 1,5,238/-
12g. Pumping Machinery 80 BHP	Rs: 57,48,900/-	Rs: 57,48,900/-
12g. Inter Connection	Rs: 1,39,500/-	Rs: 1,39,500/-
12f. Revolving of Face Motors	Rs: 8,19,000/-	Rs: 8,19,000/-
13. Compound Wall W.W. 1 & 2	Rs: 12,36,226/-	Rs: 12,36,226/-
Total	Rs: 2,40,26,25,515/-	Rs: 2,40,26,25,515/-

Amount paid (a)  
35,75,000/-

CONTRACTOR

*[Signature]*

Amount to be added/ deducted on the basis of premium quoted

Total (b) Rs: 34,81,53,997/-

Executive Engineer

Public Health Engg. Division

Member Shastrihat & Kumbher

Project Director/Commissioner  
Larkana Division  
Larkana

*[Signature]*

*[Signature]*  
S.E.

THE ENGINEER IN CHARGE, WATER SUPPLY DEPARTMENT, KARACHI





PROJECT DIRECTOR / COMMISSIONER  
LARKANO DIVISION  
LARKANO

No. PD/NT/ 100

Larkano dated:

# 074-9410245  
1 # 074-9410304  
see: [commissioner@pd.larkano.com](mailto:commissioner@pd.larkano.com)  
/08/2014  
15 - /Dec 2014

M/s Muhammad Iqbal Shaikh & Co.  
F/1248, Aziz Nesi, Near Ibrat Press,  
Gari Khara, Hyderabad.

**Subject:** Construction of Water Works, Comprising on Tube Wells Storage, Cum Sealing Tanks, Clear Water Tank, Pumping Machinery, Pump House, Compound Wall, P.E. Rising Mains & Distribution System for Extension & Rehabilitation of Existing Water Supply Shabdakot.

**Reference:** Your rate quoted on dated 03/10/2014 is approved by Chief Engineer, PHED, Sukkar vide No. GMP/HED/3088 dated 09/12/2014.

Your percentage rate for tender amount Rs. 262,241,714/- (Rupees Two Hundred Sixty Two Million Two Hundred Forty One Thousand & Seven Hundred Fourteen) only @ Rs.35.70% above the schedule items, except Non Schedule items, entered in the "Bill of Quantities" which works out to Rs: 8.91% above the estimated cost, being the lowest evaluated rate in competition, recommended by the Procurement Committee is accepted.

You are, therefore, directed to please start the work within seven (07) days after issuance of the Letter of Award according to drawing, design & specifications under the supervision of Executive Engineer, Public Health Engg. Division Kamber-Shabdakot @ Kamber & instructions from undersigned.

No premium will be allowed on non-schedule items.  
No Extra charges such as Taxes, Octroi, packing or transportation of material etc will be paid separately. The work shall have to be completed by you within the period of Fifteen (15) Months as provided in the Notice Inviting tender.

The Sindh Sales Tax Special Producer (withholding) Rules, 2011 shall apply to taxable service as are supplied, provided or rendered to persons, specified as withholding agents, in the withholding procedure, for the purpose of Deduction and Deposit of Sales Tax.

The claim of contractor for payment for subject to availability of funds.  
The undersigned and the Engineer in-charge, reserves the right to reject any or all parts of it or order for replacement, if it is not done as per drawing, design & specifications.

Please, attend this office to complete the tender documents and execute the contract Agreement

(Dr. Saad Ahmed Magsaj)  
Project Director / Commissioner  
Larkano Division  
Larkano

A/Photocopy of Bill of Quantities

CC:

- Chief Engineer, Public Health Engineering Department, Sukkar
- Director (C.B) Sindh Public Procurement Regulatory Authority, Barrack 8, Secretariat 4A Court Road Karachi Tel: 92-21-99205369
- Superintending Engineer, PHE Circle, Larkano.
- Executive Engineer PHE Division-Kamber-Shabdakot @ Kamber.

Page No. 1



PROJECT DIRECTOR / COMMISSIONER  
LARKANO DIVISION  
LARKANO  
No. PD/NIT/ 100  
Larkano dated:

# 074-9410295  
# 074-9410301  
saeedm@pheed.gov.pk  
/07/2014  
15 - /Dec 2014

M/s Muhammad Iqbal Shaikh & Co.  
F/1248, Aziz Nesi, Near Ibrai Press,  
Gari Khana, Hyderabad.

**Subject:** Construction of Water Works, Comprising on Tube Wells Storage, Cam Sealing Tanks, Clear Water Tank, Pumping Machinery, Pump House, Compound Wall, P.E. Rising Mains & Distribution System for Extension & Rehabilitation of Existing Water Supply Shadadkor.

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Your percentage rate for tender amount Rs. 262,241,714/- (Rupees Two Hundred Sixty Two Million, Two Hundred Forty One Thousand & Seven Hundred Fourteen) only @ Rs.35.70% above the schedule items, except Non Schedule items, entered in the "Bill of Quantities" which works out to Rs. 8.91% above the estimated cost, being the lowest evaluated rate in competition, recommended by the Procurement Committee is accepted.

You are, therefore, directed to please start the work within seven (07) days after issuance of the Letter of Award according to drawing, design & specifications under the supervision of Executive Engineer, Public Health Engg. Division Kamber-Shadadkor @ Kamber & instructions from undersigned.

No premium will be allowed on non-schedule items.  
No Extra charges such as Taxes, Octroi, packing or transportation of material etc will be paid separately. The work shall have to be completed by you within the period of Fifteen (15) Months as provided in the Notice inviting tender.  
The Sindh Sales Tax Special Producer (withholding) Rules, 2011 shall apply to taxable service as are supplied, provided or rendered to persons, specified as withholding agents, in the withholding procedure, for the purpose of Deduction and Deposit of Sales Tax.  
The claim of contractor for payment will be entertained subject to availability of funds.  
The undersigned and the Engineer in-charge, reserves the right to reject any or all parts of it or order for replacement, if it is not done as per drawing, design & specifications.  
Please, amend this office to complete the tender documents and execute the contract Agreement.

  
(Dr. Saad Ahmed Magrejo)  
Project Director / Commissioner  
Larkano Division  
Larkano

Photocopy of Bill of Quantities

CC

- Chief Engineer, Public Health Engineering Department, Sukkur.
- Director (C.B) Sindh Public Procurement Regulatory Authority, Barrack 8 Secretariat KA Court Road Karachi Tel: 92-21-99205369
- Superintending Engineer, PHE Circle, Larkana.
- Executive Engineer PHE Division-Kamber-Shadadkor @ Kamber.



# SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

## CONTRACT EVALUATION FORM

### TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF WORKS, SERVICES & GOODS

- 1) NAME OF THE ORGANIZATION / DEPTT. Public Health Engineering Department
  - 2) PROVINCIAL / LOCAL GOVT / OTHER Provincial
  - 3) TITLE OF CONTRACT: Construction of Various Disposal Works comprising on  
Collecting Tanks, Screening Chambers, Pump Houses,  
Pumping Machinery, Rising Mains and Main RCC Nalas for  
Improvement & Extension of Drainage Scheme Larkana  
City. ①
  - 4) TENDER NUMBER: 1st
  - 5) BRIEF DESCRIPTION OF CONTRACT: Construction of Various Disposal Works  
comprising on Collecting Tanks, Screening  
Chambers, Pump Houses, Pumping  
Machinery, Rising Mains and Main RCC  
Nalas for Improvement & Extension of  
Drainage Scheme Larkana City.
  - 6) FORUM THAT APPROVED THE SCHEME PDWP
  - 7) TENDER ESTIMATED VALUE: 532.236 Millions
  - 8) ENGINEER'S ESTIMATE: 488.43 Millions  
(For civil works only)
  - 9) ESTIMATED COMPLETION PERIOD (AS PER CONTRACT) 15 Months
  - 10) TENDER OPENED ON (DATE & TIME) 03/10/2014 at 1.00 PM
  - 11) NUMBER OF TENDER DOCUMENTS SOLD: 03 Nos  
(Attach list of buyers)
  - 12) NUMBER OF BIDS RECEIVED 03 Nos
  - 13) NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS: 03 Nos
  - 14) BID EVALUATION REPORT Already Sent  
(Enclose a copy)
  - 15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER M/s. Muhammad Iqbal Shaikh Govt.  
Contractor F/1248 Aziz Nest Near  
Ibrat Press, Gari Khata Hyderabad.
  - 16) CONTRACT AWARD PRICE 532.236 Millions
  - 17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT  
(i.e. 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> EVALUATION BID) 1<sup>st</sup> Lowest
- 
-

18) METHOD OF PROCUREMENT USED : - (Tick one)

- a) SINGLE STAGE - ONE ENVELOPE PROCEDURE: **Yes**
- b) SINGLE STAGE - TWO ENVELOPE PROCEDURE:
- c) TWO STAGE BIDDING PROCEDURE
- d) TWO STAGE - TWO ENVELOPE BIDDING PROCEDURE

PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED i.e. EMERGENCY, DIRECT CONTRACTING / NEGOTIATION ETC. WITH BRIEF REASONS:

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT: Chief Engineer Public Health Engg: Department, Sukkur

20) WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?

**Yes**

21) ADVERTISEMENT :

**Yes**

i) SPPRA Website:

**No.21437 dated, 18/09/2014**

( If yes, give date and SPPRA Identification No.)

ii) News Papers:

**No**

( If yes, give names of newspapers and dates)

22) NATURE OF CONTRACT

**Local**

23) WHETHER QUALIFICATION CRITERIA

**Yes**

WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?

(If yes, enclose a copy)

24) WHETHER BID EVALUATION CRITERIA

**Yes**

WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?

( If yes, enclose a copy)

25) WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A METHOD OTHER THAN OPEN COMPETITIVE BIDDING?

**No**

26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

**Yes**

27) WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED

**Yes**

BID / BEST EVALUATED BID (in case of Consultancies)

28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY

**Yes**

COMPLIANT?



29) WHETHER NAMES OF THE BIDDERS AND THEIR QUOTED PRICES WERE READ OUT AT THE TIME OF OPENING OF BIDS? **Yes**

30) WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF CONTRACT? **Yes**

( Attach copy of the bid evaluation report)

31) ANY COMPLAINTS RECEIVED **No**

32) ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER NOTICE / DOCUMENTS

( If yes, give details) **No**

33) WAS THE EXTENSION MADE IN RESPONSE TIME? **No**

( If yes, give reasons)

34) DEVIATION FROM QUALIFICATION CRITERIA **No**

( If yes, give detailed reasons.)

35) WAS IT ASSURED BY THE PROCURING AGENCY THAT THE SELECTED FIRM IS NOT **BLACKLISTED**

**YES**

36) WAS A VISIT MADE BY ANY OFFICER/OFFICIAL OF THE PROCURING AGENCY TO THE SUPPLIER'S PREMISES IN CONNECTION WITH THE PROCUREMENT? IF SO, DETAILS TO BE ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD: **No**

( If yes, enclose a copy)


37) WERE PROPER SAFEGUARDS PROVIDED ON MOBILIZATION ADVANCE PAYMENT IN THE CONTRACT (BANK GUARANTEE ETC.)? **Yes**

38) SPECIAL CONDITIONS, IF ANY **No**

( If yes, give Brief Description)

Signature & Official Stamp of

Authorized Officer \_\_\_\_\_

  
**Executive Engineer**  
Public Works Engineering  
Ludhiana

**SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY  
(SPPRA)**

**STANDARD FORM OF BIDDING DOCUMENT**

**(Civil Works-Large Works)**

This SBD shall be used for large works costing more than Rs.50.00 Million

**Construction of various Disposal Works comprising on  
Collecting Tanks, Screening Chambers, Pump Houses,  
Pumping Machinery, Rising Mains & Main RCC Nalas  
for Improvement & Extension of Drainage Scheme  
Larkana City.**

Issued to the:-

Muhammad Iqbal Shaikh & Co  
Hyderabad.

D.K No. 93733  
30/9/2014.

Project Director/Commissioner  
Larkana Division  
Larkana

**PROJECT DIRECTOR/ COMMISSIONER LARKANO  
DIVISION LARKANO**

**PUBLIC HEALTH ENGG: DIVISION LARKANO**

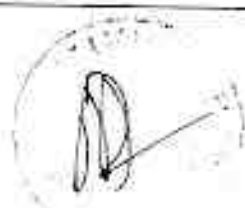


## SPECIAL STIPULATIONS

## Clause

## Conditions of Contract

1.	Engineer representing Consulting Firm hired by the procuring agency to issue variation in case of emergency.	1.1	Up to 2% of the contract price stated in the Letter of Acceptance.
2.	Amount of Performance Security	1.2	Up to 10% of contract price. Total amount including performance security and retention money deducted from bills should not exceed 10% of contract price stated in the Letter of Acceptance.
3.	Time for Furnishing Programme	2.3	Within 42 days from the date of Receipt of Letter of Acceptance.
4.	Minimum amount of Third Party Insurance	18.3	Rs. per occurrence with Number of occurrence sun limited.
5.	Time for Commencement	8.1	Within 14 days from the date of receipt of Engineer's Notice to Commence, this shall be issued within fourteen (14) days after signing of Contract Agreement.
6.	Time for Completion (works & sections)	8.2& 10.2	Days from the date of receipt Of Engineer's Notice to Commence.
7.	Amount of Liquidity Damages/Delay Damages/Penalties	8.7	-----Damages per day (are to Be mentioned) but total amount will not be more than 10% of contract Price.
8.	Defects Liability Period	11.1	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. _____
12.	Time of Payment from delivery of Engineer's Interim/Running Payment Certificate to the procuring agency.	14.7	30 days in case of local currency or 42 days in case of foreign funded projects.
13.	Mobilization Advance.	14.2	10% of Contract Price stated in the Letter of Acceptance.



Project Director/Commissioner  
Larkana Division  
Larkana

## FORM OF BID

Bid Reference Nos. 101/2014 Disposal of waste material comprising in 1/2 ton Se. Ashes Sup. House  
 (Name of Contract/Work) of Ashes of Ash & Man Rec. material for (1000)

To: Project Director / Commissioner  
Larkana Division  
Larkana

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 there in 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 here to 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 favor 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 eighty 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. (Please delete this in case of Bid from a single bidder) in the capacity of \_\_\_\_\_ duly authorized to sign Bids for and on behalf of

Dated this day of 2014

Project Director / Commissioner  
 Larkana Division  
 Larkana



Signature: \_\_\_\_\_



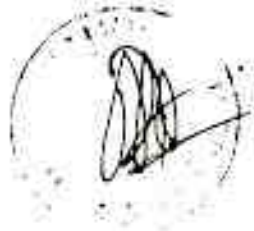
(Name of Bidder in Block Capitals)  
(Seal)

Address: Mohammad Iqbal Shauk & Co.  
E/1248 Aziz NAD - NEDK - Larkana Road  
Gar Khala Hyderabad.

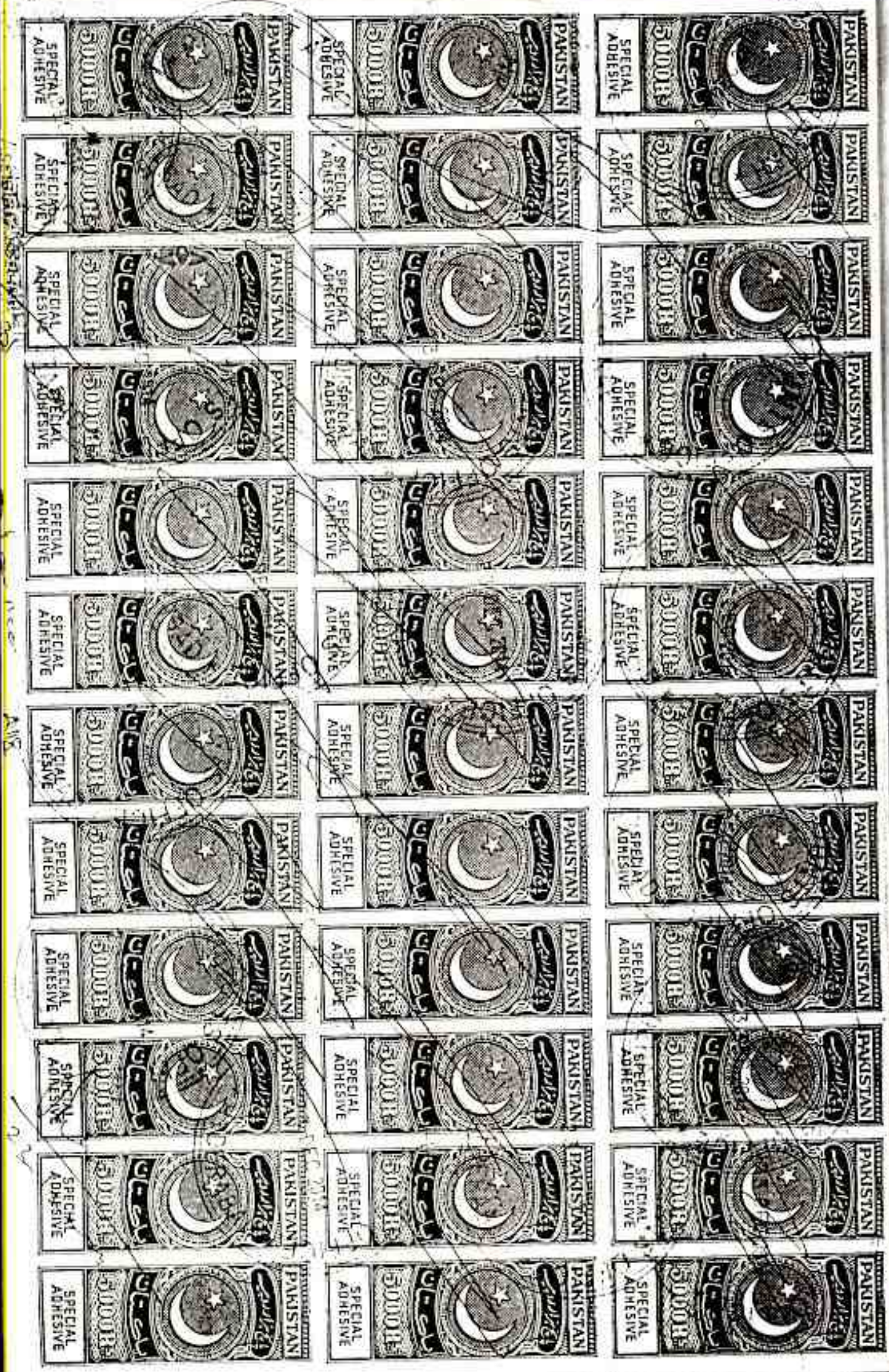
Witness:

Signature: \_\_\_\_\_  
Name: Abdul Wahid Sahito

Address: \_\_\_\_\_  
Executive Engineer  
South Hyderabad Division  
Occupation: \_\_\_\_\_  
Larkana

  
Project Director  
Larkana  
Larkana

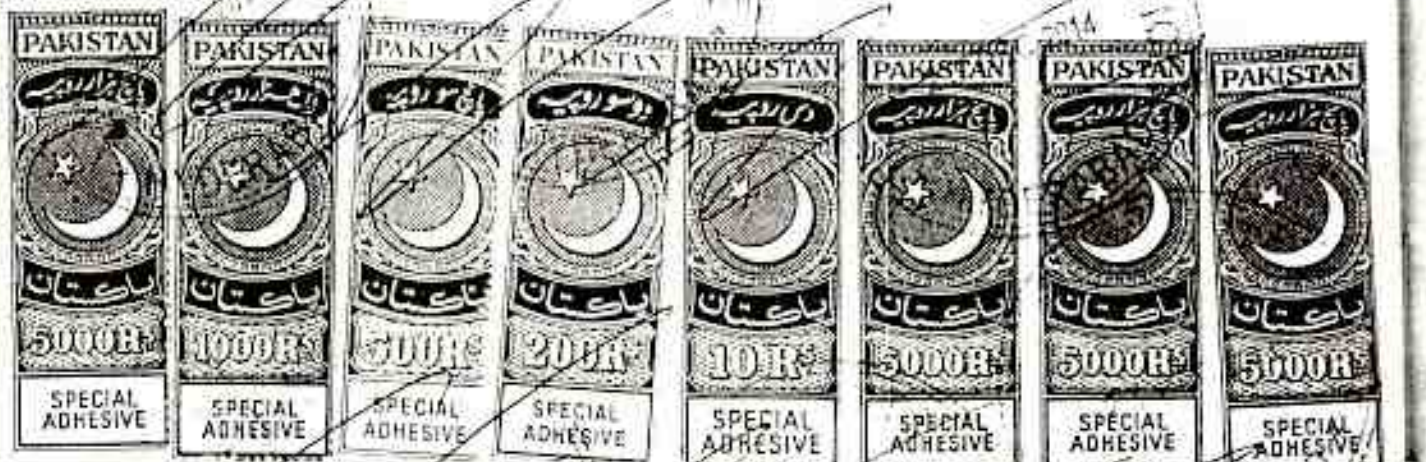












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FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the "Agreement") made on the 5th day of January (month) 2015 between Project Director/Commissioner Labour Division, Government of Karnataka & Co. of M/s. ABC & Co. (hereafter called the "Procuring Agency") of the one part and M/s. XYZ & Co. (hereafter called the "Contractor") of the other part.

WHEREAS the Procuring Agency is desirous that certain works, viz. [Handwritten description of works] should be executed by the Contractor and has accepted a bid by the Contractor for the execution and completion of such works and the remedying of any defects therein.

NOW this Agreement witnessed-- as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract herein after 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 herein after 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 be come payable under the provisions of the contract at the times and in the manner prescribed by the contract.

*[Signature]*  
Project Director/Commissioner  
Labour Division  
Karnataka

*[Circular Stamp]*

STAN  
OR  
ECIAL  
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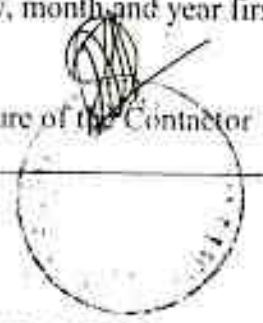
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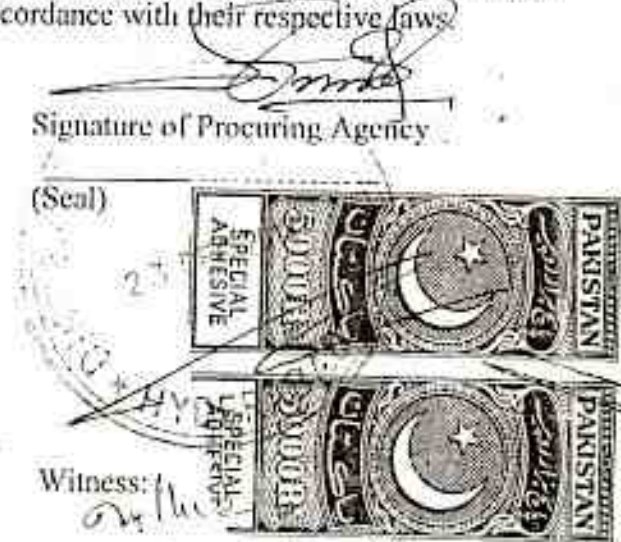
Signature of the Contractor

(Seal)



Signature of Procuring Agency

(Seal)



Signed, Sealed and Delivered in the presence of:

Witness:

*Muhammad Al Hays Contractor*

(Name, Title and Address)

Witness:

*Abdul Wahab Salibi*  
V.N. PLOT, Daulatabad

(Name, Title and Address)



Project Director/Commissioner  
Lands Division  
Hyderabad



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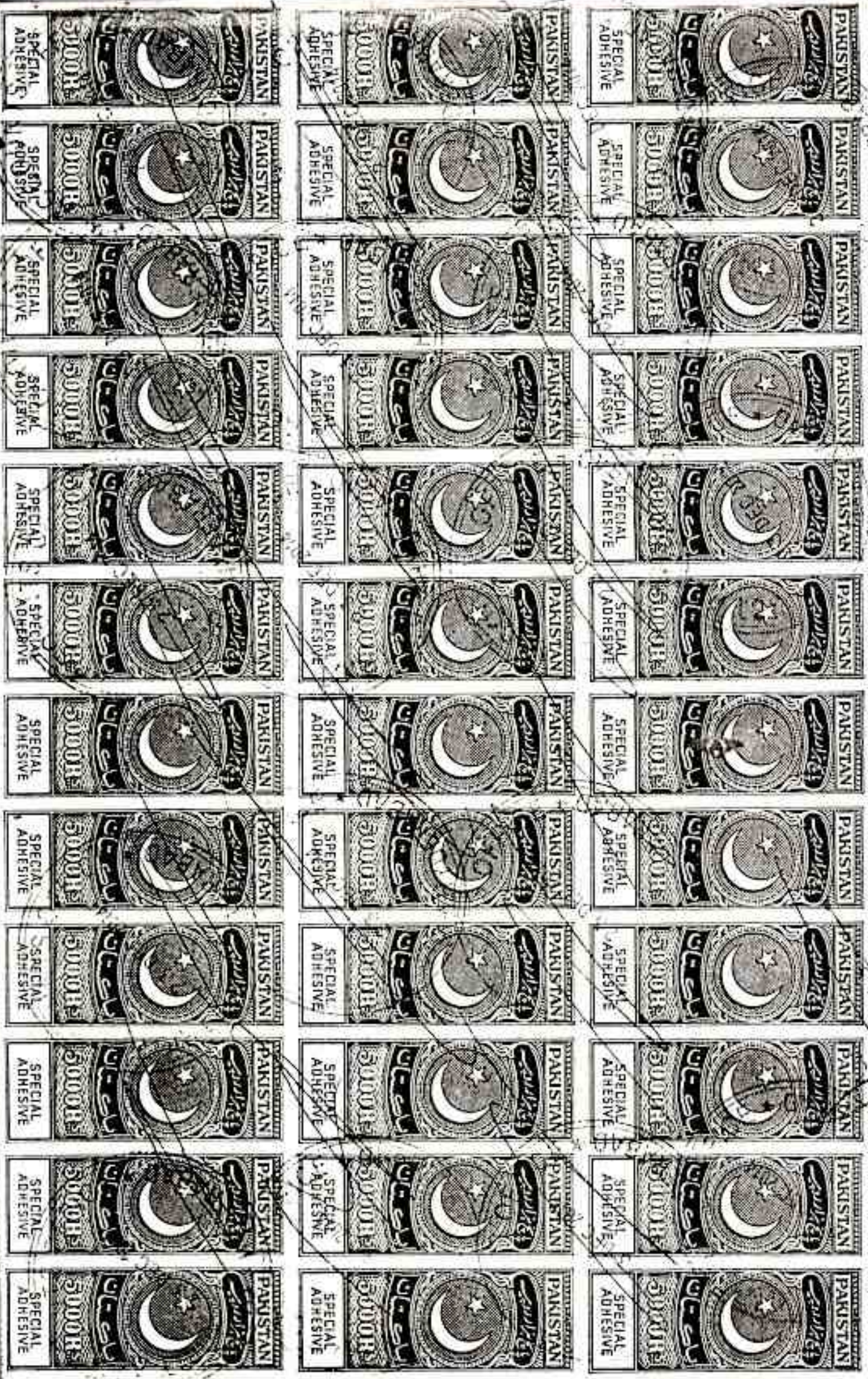


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## Notes on the Conditions of Contract

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.

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---

\* 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](mailto:fidic@fidic.org).



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Larbeno Division  
Lahore

# Conditions of Contract for CONSTRUCTION

FOR BUILDING AND ENGINEERING  
WORKS DESIGNED BY THE EMPLOYER

Multilateral Development Bank Harmonized Edition  
March 2006

## General Conditions

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INTERNATIONAL FEDERATION OF CONSULTING ENGINEERS  
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FEDERACION INTERNACIONAL DE INGENIEROS CONSULTORES



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Larkspur Division  
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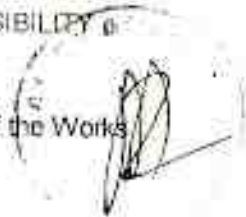
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# General Conditions

## General Provisions

1.1

### Definitions

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

1.1.1

#### The Contract

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

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

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

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

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

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

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

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

1.1.1.9 "Bill of Quantities", "Day work 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.

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**Name Of Scheme:**

Construction of Water Works, Comprising on Tube Wells Storage, Cum Settling Tanks, Clear Water Tank, Pumping Machinery, Pump House, Compound Wall, P.E Rising Mains & Distribution System for Extension & Rehabilitation of Existing **Water Supply Scheme Shahdadtot.**

1. **Contract Evaluation form**
2. **Agreement**
3. **Integrity Pact**

**Name Of Scheme:**

Construction of Various Disposal Works comprising on Colleting Tanks, Screening Chambers, Pump Houses, Pumping Machinery, Rising Mains and Main RCC Nalas for Improvement & Extension of **Drainage Scheme Larkana City.**

1. **Contract Evaluation form**
2. **Agreement**
3. **Integrity Pact**



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 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 utilizes on Site, who may include the staff, labour and other employees of the Contractor and of each Sub contractor, 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 5.1 [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.

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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 maybe) 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 maybe) 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].



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

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

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

1.1.5  
Works and Goods

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

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

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

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

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

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

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.



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1.1.6.4 "Force Majeure" is defined in Clause 10 [Force Majeure].

1.1.6.5 "Laws" means all national (or state) legislation, statutes, ordinance 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 recorded 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 "tendered" 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.

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Lark  
E.



Law and Language

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.

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

1.5  
Priority of Documents

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.

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.

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## PART II-SPECIAL/ PARTICULAR CONDITIONS OF CONTRACT

### 1.1 Definitions

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

1.1.1.5 "Bid" is synonymous with "Tender".

1.1.1.10 "Bidding" is synonymous with "contract".

*The following paragraph is added:*

1.1.1.11 "Programme" means the programme to be submitted by the contractor in accordance with Sub-Clause 8.3 and any approved revision thereto.

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

1.1.2.9 "DIB" is synonymous with "Committee".

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

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

### 1.15 Inspections and Audit by the Bank

Deleted

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

### 3.1 Engineer's Duties and Authority.

*The following paragraph is added after duties:*

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

### 4.3 Contractor's Representative

*The following text is to be added after last line:*


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

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

*The following paragraph is added:*

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

*The following sub-clause 7.9 is added in (GCC):*

  
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Larkana

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.

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Sindh



## 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 upto 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, 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 there on 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:-*

- (1) 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;

  
Project Director/Commitment

- (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 3<sup>rd</sup> paragraph:*

*Successful Contractor has to provide Integrity Pact (for contracts worth Rs.10.0 million and above).*

If the Contractor or any of his Sub contractors, 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:

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Lahore



- (a) recover from the Contractor an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kick back 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 A A 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*



*[Handwritten Signature]*  
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 Procurement Services  
 Ministry of Public Works and Urban Planning

(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.*



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(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.*



  
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PART II-SPECIAL/PARTICULAR CONDITIONS OF CONTRACT

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Liaison Division  
Lahore



## SPECIFICATIONS

The work will be carried out as per PWD/PHED specifications.



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Larkana

**BILL OF QUANTITIES**

(A)

Improvement & Extension of Existing Sewerage system in Larkana City  
Annual Development Programme

Item	Quantities	Description and rate of Item to be executed at site	Rate	Unit	Amount in Rupees
1	2	3	4	5	6

**PART- I C.C DRAINS**

1	Excavation in foundation of building bridges and other structures i/c dag boring dressing refilling around the structures with excavated Earth waterline ramming up to 5ft (b) in ordinary soil (G.S.I-18 (b) P/4)	Qty. 320500.00 Cft	@Rs 3176.25	P%Cft	Rs 1017988
2	Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of storic aggregats without shuttering Ratio 1:4:8 (G.S.I-5(i) P/16)	a Ratio 1:4:8 Qty. 58400.00 Cft	@Rs 11288.75	P%Cft	Rs 6592630
	b Ratio 1:2:4 302.50 Cft	@Rs 14425.25	P%Cft	Rs 43648	
3	Pacca brick work in foundation and plinth in cement sand mortar (1:1) (G.S.I No. 4(e) P/21)	Qty. 146250.00 Cft	@Rs 11948.36	P%Cft	Rs 17474477
4	Construction of standard open type drains concrete block of C.C 1:2:4 cast	Type A 25000 Rft	@Rs 94.00	P-Rft	Rs 2350000
	Type B 50000 Rft	@Rs 174.00	P-Rft	Rs 8700000	
	Type C 5000 Rft	@Rs 309.00	P-Rft	Rs 1545000	
5	Cement Plaster (1:4) up to 20 height 1/2" thick (G.S.I-11(b) P/52)	Qty. 195300.00 Sft	@Rs 2283.93	P%Sft	Rs 4460515
6	R.C.C work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms, moulds, lifting shuttering curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) R.C work in roof slab members laid in situ or precast laid in position complete in a respect. (i) Ratio 1:2:4-90 lbs cement 2 cft sand 4 cft shingle 1/8" to 1/4" gauge (G.S.I-5(a) P/17)	Qty. 1937.50 Cft	@Rs 337.00	P-Cft	Rs 652938
7	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also includes removal of rust from bars. (G.S.I-8(a) P/17)	Qty. 69.19 Cwt	@Rs 5001.70	P-Cwt	Rs 346068

G.Total: Rs 43183264

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 Larkana



**PART- II C.C BLOCKS**

1	Barrow pit excavation undressed lead upto 100ft ordinary soil (G.S.I. No. 3(a) P-1)	83600.00	CH	@Rs. 2117.50	P.% CH	Rs. 177025
2	Earth work compaction (Soft, ordinary or hard soil) Laying earth in 6" thick layers levelling and dressing etc completed. (G.S.I.No. 13(a) P-3)	340000.00	CH	@Rs. 263.00	P.% CH	Rs. 89420
3	Extra lead for every 50' Ft. additional lead or part thereof (G.S.I.#.8(a) P-2)	83600.00	CH	@Rs. 5039.00	P.% CH	Rs. 421260
4	Cement concrete bricks or stone balrest 1/2" to 2" gauge (Ratio 1:4:8) (GSI #. 4(b) P-15)	112200.00	CH	@Rs. 9416.28	P.% CH	Rs. 10565066
5	Erection and removal of centering for R.C.C or plain C.C works of partial wood of 2nd class (vertical). (GSI #. B(1) P-18)	10000.00	ST	@Rs. <del>3127.00</del> <sup>3127.00</sup>	P.% ST	Rs. <del>31270</del> <sup>31270</sup>
6	Cement Concrete Plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering Ratio 1:2:4 (G.S.I-5(a) P-16)	85000.00	CH	@Rs. 14429.25	P.% CH	Rs. 12264863

Total :- Rs. 23830373

**PART- III - MAIN RCC NALA ( WIDE 2.50 FT.)**

1	Dismantling and removing Road Metalling (G.S.I No. 51 P/ 10)	17325.00	CH	@ Rs. 605.00	P%CH	Rs. 104816
2	Dismantling of Brick Work in line or cement mortar (G.S.I No 13 P/ 10) Dikka in front of shop	750.00	CH	@ Rs. 1285.63	P%CH	Rs. 9642
3	Dismantling of C.C plain 1:2:4 (G.S.I No 10 P/ 10)	562.50	CH	@ Rs. 3327.50	P%CH	Rs. 18717
4	Dismantling of C.C Reinforced Separating Reinforcement from Concrete, cleaning and straighting the same. (G.S.I No 20 P/ 10)	487.50	CH	@ Rs. 5445.00	P%CH	Rs. 26544
5	Excavation for pipe lines in trenches in pits in soft soil i/c trimming dressing sides to true alignment slope leveling of beds of trenches to correct level and grade cutting joints holes and disposal of surplus earth within one chain as direct by engineer incharge providing fence guards lights whenever and temporary crossing for non vehicular traffic whenever required fill upto 5' D and lead upto one chain (P.H.S.I. No. 1 P/ 60)	499800.00	CH	@ Rs. 3600.00	P%CH	Rs. 1799280

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Larkana

6	Excavation for pipe lines in trenches in pits in wet soil i/c trimming dressing sides to true alignment slope leveling of beds of trenches to correct level and grade cutting joints holes and disposal of surplus earth within one chain as direct by engineer in charge providing fence guards lights wherever and temporary crossing for non vehicular traffic whenever required lift upto 5 Ft and lead upto one chain (P.H.S.I. No. 14 P/66)	249900.00 Cft	@ Rs. 5400.00	P% <sup>cf</sup> Rs. 1345480
7	Refilling the excavated stuff in trenches 6" thick layers leveling i/c watering r/rolling to full compaction etc complete (P.H.S.I. No. 24 P/77)	119000.00 Cft	@ Rs. 2760.00	P% <sup>cf</sup> Rs. 328440
8	Add Every 50' additional lead or part thereof of (G.S.I. P-2)	649825.00 Cft	@ Rs. 2015.50	P% <sup>cf</sup> Rs. 1309757
9	Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering (1:4:8) (G.S.I. No. 5 P/15)	52475.00 Cft	@ Rs. 11288.75	P% <sup>cf</sup> Rs. 7052647 / <del>7052640</del>
10	Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering (1:2:4) (G.S.I. No. 5 P/15)	196231.00 Cft	@ Rs. 14429.25	P% <sup>cf</sup> Rs. 28314863
11	Erection and removal centering for RCC or plain for partial wood (G.S.I. No. 19 P/17) <u>Vertical</u>	359439.50 Sft	@ Rs. 3127.41	P% <sup>cf</sup> Rs. 11241147
12	R.C.C work i/c all labour of material except the cost of steel reinforcement and its labours for bending and binding which will be paid separately. This rate also i/c all kinds of forms moulds filling, shuttering, curing, rendering and finishing the exposed surface (a) R.C Work in roof slab beams columns rafts lintels and other structural members laid in situ or precast laid in position in all respect (1:2:4) 90lbs. 2 Cft cement 4 Cft sand 1/8" to 1/4" gage (G.S.I. No. 5 P/16)	59702.77 Cft	@ Rs. 337.00	P/Cft Rs. 23489839
13	Fabrication of mild steel reinforcement and C.C. i/c cutting bending laying in position making joints and fastening wire also includes removal of rust from bars. (G.S.I. No. 8 P/16)	2489.380 Cwt	@ Rs. 5001.70	P/Cwt Rs. 12451132
14	Pacca brick work other than building i/c sacking of joints upto 20' height in cement sand mortar (1:4) (G.S.I. 07 P/21)	98979.44 Cft	@ Rs. 12859.70	P% <sup>cf</sup> Rs. 12768051
15	Extra Labour For Arch work in brick masonry including labour for centering and decentering (G.S.I. 9 P/22)	39627.00 Cft	@ Rs. 968.00	P% <sup>cf</sup> Rs. 383589
16	Cement Pointing Struck joints on walls Ratio (1:3) (G.S.I. 19 P-52)	253705.00 Sft	@ Rs. 1213.58	P% <sup>cf</sup> Rs. 3078950



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*[Signature]*  
Project Director / Commissioner  
Larkana Division  
Larkana



17 Providing C.I Main Hole Cover with Frame i/c cost of material etc (PHSM-1-14, P-107)  
 892.50 Cwt @ Rs 6985.00 P/Cwt Rs: 6234113

18 Small iron work such as gusset plate knees bends stirrups straps rings etc i/c cutting drilling refitting handling assembling and fixing but excluding erection in position (G.S.I-1 P-90)  
 148.75 Cwt Rs 6420.61 P/Cwt Rs: 055066

19 Supplying and Mixing chemical admixture palatruflex B.V.40 or equivalent and mixing with concrete (1:2:4) (approved rate)  
 2225.30 Liters Rs 80.00 P/Liter Rs: 178024

20 Manufacturing and supplying of 21" RCC manhole cover cast in 1:2:4 concrete ratio 3" inch inch deep @ centre bars @ 4" C/C welded to 3/16" thick 2" wide M.S plate two hook of 3/8" dia for bars i/c compacting i/c curing and transportation within 10 miles (Sch. of W.S. & Sant. works No 1 P-31) 21" dia  
 585.00 Nos. Rs 1051.25 Each Rs: 625404

~~Rs: 14740302~~  
 -11719.399/-

**PART-IV - RCC NALA (WIDE 3.50 FT.)**

1 Excavation for pipe lines in trenches in pits in soft soil i/c trimming dressing sides to true alignment shape leveling of beds of trenches to correct level and grade cutting joints holes and disposal of surplus earth within one chain as direct by engineer incharge providing fence guards lights whenever and temporary crossing for non vehicular traffic whenever required fill upto 5 Ft and lead upto one chain (P.H.S.I. No. 1 P/ 60)  
 78000.00 Cft @ Rs 3600.00 P% Rs: 280800

2 Excavation for pipe lines in trenches in pits in wet soil i/c trimming dressing sides to true alignment shape leveling of beds of trenches to correct level and grade cutting joints holes and disposal of surplus earth within one chain as direct by engineer incharge providing fence guards lights whenever and temporary crossing for non vehicular traffic whenever required fill upto 5 Ft and lead upto one chain (P.H.S.I. No. 14 P/ 66)  
 19500.00 Cft @ Rs 5400.00 P% Rs: 105300

3 Refilling the Excavated stuff in trenches 6" thick layers leveling i/c watering ramming to full compaction etc complete (P.H.S.I. No. 24 P/ 77)  
 15000.00 Cft @ Rs 2700.00 P% Rs: 41400

4 Add Every 50' additional lead or part there of (G.S.I-8, P-2)  
 82500.00 Cft @ Rs 1814.04 P% Rs: 149658

5 Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering (1:4:8) (G.S.I. No.5 P/ 15)  
 9750.00 Cft @ Rs 11288.75 P% Rs: 1100663

Project Director / Compiler  
 Municipal Corporation  
 Lucknow

8 Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering (1:2:4) (G.S.I. No.5 P/15)

2625.00 cft @ Rs 14429.25 P% Rs. 378768

9 R.C.C work i/c all labour of material except the cost of steel reinforcement and its labours for bending and binding which will be paid separately. This rate also i/c all kinds of forms moulds lifting, shuttering, curing, rendering and finishing the exposed surface (a) R.C Work in roof slab beams columns rafts lintels and other structural members laid in situ or precast laid in position in all respect (1:2:4) 90Lbs 2 Cft cement 4 Cft sand 1/8" to 3/4" gauge (G.S.I. No.6 P/16)

39450.00 Cft @ Rs. 337.00 P/Cft Rs. 13294650

10 Fabrication of mild steel reinforcement and C.C. i/c cutting bending laying in position making joints and fastening wire also included removal of rust from bars. (G.S.I. No.8 P/16)

1408.920 Cwt @ Rs 5001.70 P/Cwt Rs. 7046995 Rs. 22398224

**PART-V RCC COLLECTING TANK I/C SCREENING CHAMBER**

1 Excavation of well in dry upto 20' below ground level and disposal of soil within 1 chain in (ordinary soil) (G.S.I-1 (a) P/ 85).

41526.50 cft @RS. 2247.58 P% Rs. 93334

2 R.C.C work i/c all labour and material except the cost of steel reinforcement and its labour for b/b which will be paid separately. This rate also i/c all kinds of forms moulds lifting, putting, curing, rendering and finishing the exposed surface (i/c s/w of shingle) (a) R.C work in roof slab beams columns rafts lintels and other structural members laid in situ or precast laid in position complete in all respect. (b) Ratio 1:2:4 Lbs cement 2 Cft. sand 4 cft shingle 1/8" to 3/4" gauge (G.S.I No. 6 P/ 16)

23858.51 cft @Rs. 337.00 P/Cft Rs. 8040419

3 Fabrication of mild steel reinforcement for C.C i/c cutting bending, laying in position making joints and fastening i/c cost of binding wire (also i/c removal of rust from bars) (G.S.I No. 8 P/ 16) Wall Qty of item No.4 B

1035.76 cwt @Rs. 5001.70 P/Cwt Rs. 5180561

4 Wet sinking of wells for depth below spring level by means of drivers i/c all charges of shoring loading and removing excavated material with in 1 chain ( in ordinary soil ) ( G.S.I No 03 P/ 86 )

11' to 05'  
37000.79 cft @Rs. 11763.60 P% Rs. 436045

5' to 10'  
36898.73 CFT @Rs. 24200 P% Rs. 888109

10' to 15'  
36453.42 cft @ Rs 37230.77 P% Rs. 1357189



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Project Officer, Commissioner  
Larkana Division  
Larkana

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5	Cement concrete Brick or stone ballast 1 1/2" to 2" gauged ratio (1:4:8)	11699.37 / cft	@ Rs 9416.28	P% of Rs: 1101551
6	Cement concrete plain i/e placing compacting finishing and curing complete i/e screening and washing of stone aggregate without shuttering (GSI No 5 p/ 15)			
i)	(Ratio 1:4:8)	6044.50 / cft	Rs 11286.75	P% of Rs: 882348
ii)	(Ratio 1:3:6)	6044.50 / cft	Rs 12596.00	P% of Rs: 781305
iii)	(Ratio 1:2:4)	6044.50 / cft	Rs 14429.25	P% of Rs: 872176
7	Bailing or pumping out sub soil water during excavated concreting cast in situ concrete or masonry work information etc complete (P.H.S-I/ 18 P/ 75)	130427.75 / cft	@Rs: 543.0	P% of Rs: 708223
8	Providing Construction joints in concrete work of 9" (225mm) made corrugated P.V.C water stop (with bulb) i/e soldering, cost of material and labour ( P.H.S.I -I P/ 56)	3215.20 / ft	@Rs: 86.90	P/R/ Rs: 276507
9	Fabrication of heavy steel work with angles tees flats, iron, round and sheet iron for making trusses, girding tank etc. including cutting riveting handling erection in position ( G.S.I -2 P/ 90).	2.50 / cwt	@ Rs 4926.49	P/Cwt Rs: 12321
10	Erection and fitting in position of iron trusses staging of water tank etc ( G.S.I-3 P/ 90)	2.50 / cwt	@ Rs 274.04	P/Cwt Rs: 678
11	Excavation for pipe lines in trenches in pits in soft soil i/e trimming dressing sides to true alignment shape leveling of beds of trenches to correct level and grade cutting joints holes and disposal of surplus earth within one chain as direct by engineer incharge providing fence guards lights whenever and temporary crossing for non vehicular traffic whenever required lift upto 5 Ft and lead upto one chain (P.H.S.I, No. 1 P/ 60)	3710.00 / cft	@ Rs 3600.0	P% of Rs: 13356
12	Excavation for pipe lines in trenches in pits in wet soil i/e trimming dressing sides to true alignment shape leveling of beds of trenches to correct level and grade cutting joints holes and disposal of surplus earth within one chain as direct by engineer incharge providing fence guards lights whenever and temporary crossing for non vehicular traffic whenever required lift upto 5 Ft and lead upto one chain (P.H.S.I, No. 14 P/ 66)	2226.0 / cft	@ Rs 5950.0	P% of Rs: 13245
14	Providing and R.C.C Pipe of A.S.T.M C-76-62 T/C-76-70 Class-II wall-B and fixing in trenches i/e cutting fitting and jointing with rubber ring i/e testing with water to specified pressure (P.H.S-I -1 P/17)			
	24" dia	128.00 / ft	@ Rs 869.0	P/R/ Rs: 111232
	18" dia	96.00 / ft	@ Rs 518.0	P/R/ Rs: 59328



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15. Refilling the Excavated stuff in trenches 6" thick layers leveling  
i/c watering ramming to full compaction etc complete  
(P.H.S.I. No. 24 P/ 77)  
5342.40 cft @ Rs 2760.00 P%00 Rs: 14745
16. Pucca brick work in foundation and plinth in cement sand mortar(1:6)  
(G.S.I No. 4 P/ 20)  
38.17 cft @ Rs 11948.36 P % of Rs: 4202.1
17. Cement, Plaster (1:4) up to 12" height 1/2" thick (G.S.I No. 11 P/51)  
116.98 sq ft @ Rs 2283.53 P % of Rs: 2672
- Total: Rs 20629546

Part-VI Screening chamber (2 Nos.)

1. Excavation in foundation of building bridges and other structures.  
i/c dug bedding dressing refilling around the structures with excavated  
Earth watering ramming lead up to one chain and lift up to 5' (G.S.I. No. 18 P/ 04)  
630.00 cft @Rs: 3176.25 P%00 Rs: 2001
2. Extra for wet earth work (GSI NO.15 P-3)  
236.25 cft @Rs: 1058.75 P%00 Rs: 250
3. Cement concrete brick or stone ballast 1 1/2" to 2" gauge.  
(Ratio 1:4:8) (G.S.I No. 4 P/ 17)  
59.06 cft @Rs: 9416.28 P%00 Rs: 5561
4. R.C.C work i/c all labour and material except the cost of steel  
reinforcement and its labour for b/b which will be paid separately.  
This rate also i/c all kinds of forms moulds lifting, shutting, curing,  
rendering and finishing the exposed surface (i/c s/w of shingle) (a) R.C.C work in  
roof slab beams columns rafters lintels and other structural members laid in  
situ or precast laid in position complete in all respect. (I) Ratio 2:2:4 Lbs  
cement 2 Cft sand 4 cft shingle 1/8" to 1/4" gauge. (G.S.I No. 6 P/ 16).  
245.68 Cft @ Rs 337 P/Cft Rs: 82794
5. Fabrication of mild steel reinforcement for C.C i/c cutting, bending,  
laying in position making joints and fastening i/c cost of binding wire.  
(also i/c removal of rust from bars),(G.S.I No 8 P/ 16)  
9.87 Cwt @ Rs 5001.70 P/Cw Rs: 49367
6. Providing Construction joints in concrete work of 9" (225mm)  
made corrugated P.V.C water stop (with bulb) i/c soldering, cost  
of material and labour ( P.H.S.I.-1 P/55)  
29.00 cft @ Rs 88.00 P/Rft Rs: 2494
7. Fabrication of heavy steel work with angles tees flats, iron, round and sheet  
iron for making trusses, girding tank etc. including cutting riveting handling  
erection in position ( G.S.I-2 P/ 90).  
2.06 cwt @ Rs 4928.49 P/Cwt Rs: 10153
8. Erection and fitting in position of iron trusses staging of water tank etc/  
(G.S.I-3 P/ 90)  
1.47 cwt @ Rs 271.04 P/Cwt Rs: 398

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Project: ...  
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9	Pacca brick work in foundation and plinth in cement, sand, mortar (1:6) (G.S.I. No 5 P/20)	13.23	cft	@Rs 11948.36	P%CRs: 158
10	Cement Plaster (1:4) up to 12' height 1/2" thick (G.S.I. No.13 P/51)	49.15	Sft	@Rs 2283.93	P%SRs: 1123
				Total	Rs 155722
Each Scr.chamber				155722 x 8	= Rs. 1245776

**PART- VII R.C.C ASTM SEWER LINE 9", 12, 18" & 24" DIA**

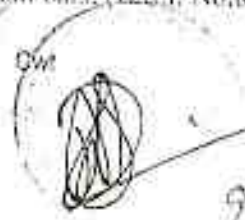
1	Dismantling and removing Road Metalling (G.S.I. No. 51 P/ 13)	1000.00		@ Rs= 605.00	P%CRs: 6050
2	Dismantling of brick Work in line or cement mortar (G.S.I. No 13 P/ 10) Dikka in front of shop	400.00		@ Rs= 1285.83	P%CRs: 5785
3	Dismantling of C.C plain 1:2:4 (G.S.I. No 18 P/ 10)	225.00		@ Rs= 3327.50	P%CRs: 7487
4	Dismantling of C.C Reinforced, Separating Reinforcement from Concrete, cleaning and straighting the same. (G.S.I. No 20 P/ 10)	25.00		@ Rs= 5445.00	P%CRs: 1361
5	Excavation for pipe lines in trenches in pits in soft soil i/c trimming dressing sides to true alignment shape leveling of beds of trenches to correct level and grade cutting joints holes and disposal of surplus earth within one chain as direct by engineer incharge providing fence guards lights whenever and temporary crossing for non vehicular traffic whenever required lift upto 5 Ft and lead upto one chain (P.H.S.I. No. 1 P/ 60)	4500.00 CH		@ Rs= 3500.00	P%CRs: 164160
6	Excavation for pipe lines in trenches in pits in wet soil i/c trimming dressing sides to true alignment shape leveling of beds of trenches to correct level and grade cutting joints holes and disposal of surplus earth within one chain as direct by engineer incharge providing fence guards lights whenever and temporary crossing for non vehicular traffic whenever required lift upto 5 Ft and lead upto one chain (P.H.S.I. No. 14 P/ 66)	30400.00 CH	0' to 5' depth	@Rs= 5400.00	P%CRs: 164160
		38000.00 CH	5' to 8' depth	@Rs= 5050.00	P%CRs: 176500
7	Excavation for pipe lines in trenches in pits in slushy (daldaly) soil i/c trimming dressing sides to true alignment shape leveling of beds of trenches to correct level and grade cutting joints holes and disposal of surplus earth within one chain as direct by engineer incharge providing fence guards lights whenever and temporary crossing for non vehicular traffic whenever required lift upto 5 Ft and lead upto one chain (P.H.S.I. No. 15 P/ 67)	7500.00 CH		@Rs= 11900.00	P%CRs: 89250

2,26,100/-  
P%CRs: 176500

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8. Providing an fixing / driving open timbering to trenches for depth upto 10 ft.  
(P.H.S.I. No. 21 P/76) *24%*  
3000.00 Sh @Rs: 8340.00 ✓ P%~~Sl~~Rs: 250200 ✓
9. Bailing or pumping out sub soil site concrete or masonry work in foundation etc:  
(P.H.S.I. No. 18(ii) P/75) *21%*  
15000.00 Ch @Rs: 543.00 ✓ P%~~Ch~~Rs: 81450 ✓
10. Stone crushed graded 1" rjng  
(P.H.S.I. No. 77 P/78) *21%*  
7500.00 Ch @Rs: 3100.00 ✓ P%~~Ch~~Rs: 232500 ✓
11. Providing, laying RCC pipes of ASTM C-76-62 TC-76-70 of class II wall B and fixing in trench i/c cutting fitting and jointing with rubber ring i/c testing with water to specified pressure. (P.H.S.I. No. 1 P/17)
- |         |            |              |                     |
|---------|------------|--------------|---------------------|
| 9" DIA  | 200.0 Rft  | @Rs: 229.0 ✓ | P/Rft Rs: 45800 ✓   |
| 12" DIA | 200.0 Rft  | @Rs: 412.0 ✓ | P/Rft Rs: 82400 ✓   |
| 18" DIA | 1000.0 Rft | @Rs: 618.0 ✓ | P/Rft Rs: 618000 ✓  |
| 24" DIA | 2000.0 Rft | @Rs: 860.0 ✓ | P/Rft Rs: 1738000 ✓ |
12. Refilling the excavated stuff in trenches 6" thick layers leveling i/c watering ramming to full compaction etc complete (P.H.S.I. No. 24 P/77)  
109350.00 Ch @Rs: 2760 ✓ P%~~Ch~~Rs: 301806 ✓
13. Excavation in foundation of building bridges and other structures i/c dig filling dressing refilling around the structures with excavated Earth watering ramming up to 5ft (b) in ordinary soil (G.S.I-18/ P/4) Main hole chamber  
16334.28 Ch @Rs: 3176.25 ✓ P%~~Ch~~Rs: 51882 ✓
14. Extra for wet earth work (G.S.I-15, P-3)  
5765.04 Ch @Rs: 1058.75 ✓ P%~~Ch~~Rs: 6104 ✓
15. Extra for slush or daldal i/c dewatering (G.S.I-16, P-4)  
*1447.26*  
4898.00 Ch @Rs: 2420.00 ✓ P%~~Ch~~Rs: *3488*/  
~~4403~~ ✓
16. Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering (1:1.5) (G.S.I. No.5 P/15)  
950.84 Ch @Rs: 11288.75 ✓ P%~~Ch~~Rs: 108467 ✓
17. Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering (1:2:4) (G.S.I. No.5 P/15)  
630.00 Ch @Rs: 14429.25 ✓ P%~~Ch~~Rs: 90904 ✓
18. R.C.C work i/c all labour of material except the cost of steel reinforcement and its labours for bending and binding which will be paid separately. This rate also i/c all kinds of forms moulds lifting, shuttering, curing, tendering and finishing i/c exposed surface (a) R.C Work in roof slab beams columns rafts lintels and other structural members laid in situ or precast laid in position in all respect (1:2:4) 90lbs 2 Ch cement 4 Ch sand 1/8" to 1/4" gage (G.S.I. No.6 P/15)  
*8615.00* 4579.50 Ch @Rs: 337 ✓ P/Ch Rs: *2903.25*/  
~~2691292~~ ✓
19. Fabrication of mild steel reinforcement and C.C. i/c cutting bending laying in position making joints and fastening wire also includes removal of rust from bars. (G.S.I. No.8 P/16)  
*346.13*  
*504.71* Ch @Rs: 5001.70 ✓ P/Cwf Rs: *1731238*/  
~~4724136~~ ✓



Project Director/Commissioner  
Larkana Division  
Larkana



20 Providing C.I Main hole cover and frame i/c cost of material etc:

(P.H.S.I-I, P-35)

102.00 sq. Cwt

@Rs: 6985

7,12,470/-  
P/Cwt Rs: 67050

21 Manufacturing and supplying of 24" RCC manhole cover cast in 1:2:4 concrete ratio 3" inch  
inch deep @ centre bars @ 4" C/C welded to 3/16" thick 2" wide M S plate two hook  
of 3/8" dia for bars i/c compacting i/c curing and transportation within 10 miles  
(Sch: of W/S & Sant works No. I P-31) 2ft. dia

68.00 Nos

@ Rs 1051.25

71,485/-  
Each Rs: 1036

Total:

Rs 2508672-

96,93,802/-

**PART- VIII CATCH PIT CHAMBER SIZE ( 3.50' X 2.0' )**

1 Dismantling and removing Road Metaling (G.S.I No. 61 P/ 10)  
2400.00

@Rs: 605.00

P%CRs: 14520

2 Excavation for pipe lines in trenches in pits in soft soil i/c:  
trimming dressing sides to true alignment shape leveling  
of beds of trenches to correct level and grade cutting joints holes and  
disposal of surplus earth within one chain as direct by  
engineer incharge providing fence guards lights whenever  
and temporary crossing for non vehicular traffic whenever required  
lift upto 5 Ft and lead upto one chain (P.H.S.I. No. 1 P/ 60)

7200.00 Cft

@Rs: 3500.00

P%CRs: 25920

3 Providing, laying RCC pipes of ASTM C-76-62 T/C-76-70 of class II  
wall B and fixing in trench i/c cutting fitting and jointing with rubber ring  
i/c testing with water to specified pressure. (P.H.S.I. No. 1 P/ 17)  
8" dia

800.0 Rft

@Rs: 225.0

P/Rs: 183200

4 Refilling the excavated stuff in trenches 6" thick layers leveling  
i/c watering ramming to full compaction etc complete (P.H.S.I. No.24 P/ 77)

6480.00 Cft

@Rs: 2760

P%CRs: 17885

5 Excavation in foundation of building bridges and other structures  
i/c dig billing dressing refilling around the structures with excavated  
Earth watering ramming up to 50 (b) in ordinary soil (G.S.I-18/ P/4)

6750.00 cft

@Rs 3176.25

P%CRs: 27792

6 Cement concrete plain i/c placing compacting finishing  
and curing complete i/c screening and washing of stone  
aggregate without shuttering (1:4:8) (G.S.I. No.5 P/ 15)

Ratio: 1:4:8

875.00 Cft

@Rs: 11288.75

P%CRs: 98776

Ratio: 1:2:4

175.00 Cft

@Rs: 14429.25

P%CRs: 25251

7 Pacca brick work in foundation and plinth Cement sand mortar  
ratio: 1:6 ( CSI No. 4 P- 27 )

4950.00 Cft

@Rs: 11948.36

P%CRs: 591443

8 Cement, Plaster (1:4) up to 12' height 3/8" thick (G.S.I. No.11 P/58)  
7700.0

@Rs: 2203.83

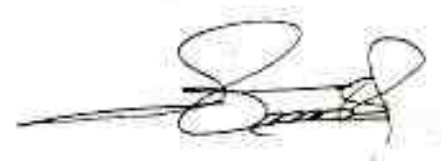
P%SRs: 176525

9	R.C.C work i/e all labour and material except the cost of steel reinforcement and its labour for b/b which will be paid separately. This rate also i/e all kinds of forms moulds lifting, shutting, curing, rendering and finishing the exposed surface (i/e s/w of shingle) (a) R.C work in roof slab beams columns rafters lintels and other structural members laid in situ or precast laid in position complete in all respect. (1) Ratio 2:2:4 Lbs cement 2 Cft, sand 4 cft shingle 1/8" to 3/4" gauge. (G.S.I No. 6 P/ 16)	101.44	Cft	@ Rs 337	P/Cft Rs: 34185
10	Fabrication of heavy steel work with angles tees flats, iron, round and sheet iron for making trusses, piling tank etc. including cutting riveting handling erection in position ( G.S.I -2 P/ 19).	31.93		@Rs: 4928.49	P/Cwt Rs: 167174
11	Fabrication of mild steel reinforcement and C.C. i/e cutting bending laying in position making joints and fastening wire also includes removal of rust from bars. (G.S.I. No.8 P/16)	4.07	Cwt	@Rs: 5001.70	P/Cwt Rs: 20357

Total Rs: 488428  
13,83,127/-

**PART-IX PUMP HOUSE / GENERATOR ROOM (14x18') (21 Nos)**

1	Excavation in foundation of building bridges and other structures. i/e dap belling dressing refilling around the structures with excavated Earth waling ramming lead up to one chain and lift up to 5' (G.S.I. No. 18 P/ 04)	275.50	cft	@Rs: 3176.25	P%Rs: 875
2	Cement concrete brick or stone ballast 1 1/2" to 2" gauge. (Ratio 1:4:8) (G.S.I No. 4 P/ 14)	152.46	cft	@Rs: 9416.28	P%Rs: 14356
3	Pacca brick work in foundation and plinths in cement, sand, mortar (1:6) (G.S.I. No.5 P/ 20)	400.29	cft	@Rs: 11948.36	P%Rs: 47828
4	DPC with cement sand shingle concrete 1:2:4 i/e two coat of asphalt mixture (G.S.I. No 27 / 23)	75.68	cft	@Rs 4982.18	P%Rs: 3771
5	R.C.C work i/e all labour and material except the cost of steel reinforcement and its labour for b/b which will be paid separately. This rate also i/e all kinds of forms moulds lifting, shutting, curing, rendering and finishing the exposed surface (i/e s/w of shingle) (a) R.C work in roof slab beams columns rafters lintels and other structural members laid in situ or precast laid in position complete in all respect. (1) Ratio 2:2:4 Lbs cement 2 Cft, sand 4 cft shingle 1/8" to 3/4" gauge. (G.S.I No. 6 P/ 16)	162.89	Cft	@Rs 337	P/Cft Rs: 54894
6	Fabrication of mild steel reinforcement for C.C i/e cutting, bending, laying in position making joints and fastening i/e cost of binding wire (also i/e removal of rust from bars) (G.S.I No 8 P/ 16)	6.54	Cwt	@Rs 5001.70	P/Cwt Rs: 32711



- 7 Pucca brick work in ground floor cement, sand, mortar (1:6)  
(G.S.I. No 5 P/29)  
508.88 / CR @Rs 12674.36 P%CRs: 64497
- 8 Filling-Watering and ramming earth in floor with new earth excavated from  
out side lead upto 1 chain and lift upto 5' (G.S.I No 22 P- 4)  
720.00 / CR @Rs 3670 P%CRs: 2614
- 9 Providing and laying 3" thick in topping Cement Concrete (1:2:4) i/c surface,  
finishing and dividing in to panel (GSI No. 16 P/42)  
252.00 / SF @Rs 4411.82 P%SFs: 11118
- 10 Cement Plaster (1:6) up to 12' height 5/8" thick (G.S.I. No. 13 P/51)  
872.19 / SF @Rs 2206.60 P%SFs: 19246
- 11 Cement Plaster (1:4) up to 12' height 3/8" thick (G.S.I. No. 11 P/51)  
872.19 / SF @Rs 3197.52 P%SFs: 19167
- 12 Cement pointing struct joints on wall (G.S.I. No. 19(b) P/59)  
770.00 / SF @Rs 1213.58 P%SFs: 9345
- 13 Making and fixing steel grated door with 1/16" thick sheeting angle iron  
frame 2" x 2" x 3/8" and 1/4" sq. bars 4" Center to center with  
locking arrangement (G.S.I. No. 24 P/91)  
28.00 / SF @Rs 726.72 P/Sf Rs: 20348
- 13 Fabrication of heavy steel work with angles tees, flat iron round iron and sheet iron  
for making trusses girders, tanks etc; i/c cutting tanks etc; i/c cutting drilling riveting  
handling assembling and fixing but excluding erection in position. (CS/ 2, P-91)  
2.03 / Cwt @Rs: 4928.49 P/CwtRs: 10005
- 14 Erection and fixing in position of iron trusses staging of water tanks etc:  
(C.S.I.No. 3 P/91)  
2.03 / sf @Rs: 271.04 P/sf Rs: 550
- 15 Supplying and fixing in position iron / steel grill of 3/4"x1/4" size flat iron of  
approved design i/c painting 3 coats etc; complete.  
(C.S.I. No. 26 P/93)  
24.00 / SF @Rs: 180.50 P/Sf Rs: 4332
- 16 PAINING NEW SURFACE  
Preparing surface and painting of door and window any type i/c:  
Edges 3 coats (G.S.I. No. 5 P/69)  
104 / SF @Rs 1489.68 P%SFs: 1549
- 17 Khapriel of cement concrete 12"x8"x1" of approved design /shape laid flat in 1:2  
gray cement mortar over a bed of 3/4" thick grey cement mortar 1:2 ( CS/NO.39 P- 38)  
376.25 / Sf @ Rs 8977.90 P%SFs: 33779
- 18 Primary chalk (distember) ( GSI No.28P-60)  
1088.97 / sf @ Rs 442.75 P.%sfRs: 4820

19. Destepering two coats ( GSI No.24 P-60)

1088.96 sft

Rs 1043.90

P.%Rs: 11367

Total:

Rs: 367172 367,172

Each 1 House

367172/21 = 17484.38

x 21

Rs: 7710603 77,10,603

PART - X COMPOUND WALL

1 Excavation in foundation of building bridges and other structures.

1/2 dig filling dressing refilling around the structures with excavated

Earth water tight ramming lead up to one chain and lift up to 5' (G.S.I. No. 18 P/04)

7344.00 cft

@Rs 3176.25

P%Rs: 23326

2 Cement concrete brick or stone ballast 1 1/2" to 2" gauge.

(Ratio 1:4:8) (G.S.I. No. 4 P/17)

1836.00 cft

@Rs 8416.28

P%Rs: 172883

3 Pucca brick work in foundation and plinth in cement, sand, mortar (1:6)

(G.S.I. No 5 P/20)

~~13268.24~~ 13265.28 cft

@Rs 11948.36

P%Rs: 1584983

4 DPC with cement sand shingle concrete 1:2:4 i/c two coat of asphalt mixture (G.S.I. No 27 P/23)

2657.76

cft

@Rs 4982.18

P%Rs: 132414

7 R.C.C work i/c all labour and material except the cost of steel reinforcement and its labour for b/b which will be paid separately.

This rate also i/c all kinds of form mould lifting, shoring, curing,

rendering and finishing the exposed surface (i/c s/w of shingle) (a) R.C work in

roof slab beam, columns, rafters, lintels and other structural members laid in

situ or precast laid in position complete in all respect. (i) Ratio 2:2:4 lbs

cement 2 CR, sand 4 cft shingle 1/8" to 3/4" gauge. (G.S.I. No. 6 P/16)

594.00 Cft

@Rs 337.00

P/CR Rs: 200178

8 Fabrication of mild steel reinforcement for C.C i/c cutting, bending, laying in position making joints and fastening i/c cost of binding wire

(also i/c removal of rust from bars). (G.S.I. No 8 P/16)

23.86 Cwt

@Rs 5001.70

P/Cw Rs: 119341

9 Pucca brick work in other than building i/c striking of joints upto

20R height in cement, sand, mortar (1:6) (G.S.I. No 7 P/21)

3928.89 cft

@ Rs 12346.55

P%CR Rs: 485086

10 Cement, Plaster (1:0) up to 12' height 3/4" thick (G.S.I. No. 11 P/58)

25760.22 sft

Rs 2208.80

P%SR Rs: 668425

11 Cement, Plaster (1:4) up to 12' height 3/8" thick (G.S.I. No. 11 P/58)

25760.22 sft

Rs 2187.52

P%SR Rs: 568085

12 Cement, Pointing struck joint on walls. (1:3) (G.S.I. No. 11 P/57)

9531.00 sft

Rs 1213.58

P%SR Rs: 115866



Project - ... Commission  
Karnataka Division  
Barkasse



13 Making and fixing steel grated door with 1/16" thick sheeting angle iron frame 2" x 2" x 3/8" and 1/2" sq. bars 4" Center to center with locking arrangement (G.S.I. No.11 P/97)

480 cft ✓ Rs 720.72 P/SR Rs: 348826 ✓

**16 PAINTING NEW SURFACE**

Preparing surface and painting of door and window any type i/c Edges 3 coats (G.S.I. No.5 P/5)

960 cft ✓ Rs 1489.68 P/SR Rs: 14301 ✓

17 Primary chaff distemping (G.S.I. NO.28 P/60)

35627.22 cft ✓ Rs 442.75 P/SR Rs: 157240 ✓

18 Distemping (2 coats) (G.S.I.No.24, P/60)

35627.22 cft ✓ Rs 1043.90 P/SR Rs: 371913 ✓

Total Rs: 6881168 ✓

**PART- XI P.F PIPE RISING MAIN**

1 Dismantling and removing Road Metalling (G.S.I No. 51 P/ 13)

11500.0 cft @ Rs. 605.00 P%CR Rs: 69575 ✓

2 Dismantling of Brick Work in line of cement mortar (G.S.I. No 13 P/ 10) Dikka in front of shop

12000.0 cft @ Rs. 1285.63 P%CR Rs: 154276 ✓

3 Dismantling of C.C plain 1:2:4 (G.S.I No 19 P/ 10)

2125.00 cft @ Rs. 3327.50 P%CR Rs: 70709 ✓

4 Dismantling of C.C Reinforced Separating Reinforcement from Concrete, cleaning and straighting the same. (G.S.I No 20 P/ 11)

337.50 cft @ Rs. 5445.00 P%CR Rs: 18377 ✓

5 Add Every 50' additional lead or part there of Horizontal lead (2500 Rft)

25002.50 Cft @ Rs. 2015.60 P%CR Rs: 52330 ✓

6 Excavation for pipe line trenches and pits in soft soils i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer incharge providing fence guards light flags and temporary crossing for non vehicular traffic where were required lift upto 5ft and lead upto one chain. (P.H.S.I-1, P-60)

634912.50 Cft @ Rs 3600.0 P%CR Rs 2285685 ✓

7 Providing laying & fixing in trench i/c fitting jointing and testing etc:

complete in all respect the high density polythylene PE pipes

(HDPE-100) for W/S conforming ISO 4427/DIN8074/8075

B.S.3580 & PSI 3051 (P.H.S.I-1, P-25), PN 08.

6" dia 300.0 Rft @ Rs 440.0 P-Rft Rs 132000 ✓

8" dia 1200 Rft @ Rs 860.0 P-Rft Rs: 1032000 ✓

10" dia 6300 Rft @ Rs 1313.0 P-Rft Rs: 8271900 ✓

12" dia 17400 Rft @ Rs 1635.0 P-Rft Rs: 28449000 ✓

16" dia 15600 Rft @ Rs 3299.0 P-Rft Rs: 51464400 ✓

8 Providing laying fiber content pipe (G.S.I NO.1 P-20)

16" dia 600 Rft @ Rs 1120.0 P-Rft Rs 707400 ✓

9 C.I specials for FC pipe (Sch. of 11 No. P- 107)

C.I bend No. 16" dia

16" dia 2 Nos: @ Rs 26812.50 P-Each Rs 53625 ✓

10 C.I Jibault joints for FC pipe (Sch. of 14 No. P- 111)

16" dia 6 Nos: @ Rs 6500.0 P-Each Rs 39000 ✓



*[Signature]*  
Project Director / Commissioner  
L.P. & S. Division  
Muzaffargarh

11 HDPE (PI-100) fittings (PI) Sch: of Mat: Item No:1, P-18)

Elbow / Bend 45 Degree

6" dia	1 Nos	@Rs 2784.0	P-Each Rs: 2784
8" dia	1 Nos	@Rs 5500.0	P-Each Rs: 5500
10" dia	8 Nos	@Rs 6775.0	P-Each Rs: 54200
12" dia	3 Nos	@Rs 10753.0	P-Each Rs: 32259
16" dia	6 Nos	@Rs 21887.0	P-Each Rs: 131322

12 Elbow / Bend 90 Degree

6" dia	1 No	@Rs: 3480.0	P-Each Rs: 3480
8" dia	1 No	@Rs: 6784.0	P-Each Rs: 6784
10" dia	8 Nos	@Rs: 8460.0	P-Each Rs: 67752
12" dia	3 Nos	@Rs: 13441.0	P-Each Rs: 40323
16" dia	6 Nos	@Rs: 27359.0	P-Each Rs: 164154

13 But fusion joint (PI) Sch: of Mat: I-II, P-20)

6" dia	2 Rft	@Rs 1000.0	P/Rft Rs: 2000
8" dia	2 Rft	@Rs 1800.0	P/Rft Rs: 3600
10" dia	16 Rft	@Rs 1800.0	P/Rft Rs: 28800
12" dia	6 Rft	@Rs 2200.0	P/Rft Rs: 13200
16" dia	12 Rft	@Rs 2800.0	P/Rft Rs: 33600

14 Refilling the excavated stuff in trenches 6" thick Layer i/c watering ramming to full compaction etc complete (P.H.S: 1-24 P-77)

571421.25 CB

@Rs: 2760.00 P/W Rs: 1577123

Rs 95057155  
9,59,27,758/-

**PART- XII DIESEL GENERATOR**

Non Schedule items

1 Supplying Diesel Generator Set with perkin engine & output 50 KVA (Standby) 380/200

volts phase-III 50 Hz 1500 Rpm (with started batteries, exhaust, silencer (RA Attached)

50 KVA at Zulfqar Bagh

Qty. 1 Nos @Rs: 2477400.0 Each Rs: 2477400

2 Supplying Diesel Generator Set with perkin engine & output 80 KVA (Standby) 380/200

volts phase-III 50 Hz 1500 Rpm (with started batteries, exhaust, silencer (RA Attached)

80 KVA at Khula Abd, Bhargri colony

Qty. 2 Nos @Rs: 3149300.0 Each Rs: 6298600

3 Supplying Diesel Generator Set with perkin engine & output 100 KVA (Standby) 380/200

volts phase-III 50 Hz 1500 Rpm (with started batteries, exhaust, silencer (RA Attached)

100 KVA at Rahmapur & Pirzadi colony

Qty. 2 Nos @Rs: 3332500.0 Each Rs: 6665000

Total (A) Rs 15441000

4 PVC main or sub main 25 mm (E.S.I No: 101 P- 12)

Qty. 25 meter @Rs: 1909.0 Meter Rs: 47725

Project Director/Commissioner  
Urdu Division  
Larkana

SR



5 PVC main or sub main 25 mm (E.S.I No. 105 P- 12)

Qty. 100 meter

@Rs: 3312.0

Meta-Rs: 331200

Total: (B)

Rs: 378925

Total: a+b

Rs. 15819925

PART- XIII PUMPING MACHINERY (80 BHP) AT AKIL ROAD

Non Schedule items

a) Supplying installing in position i/c transportation at site of work Electric pumping set 80 BHP (Siemens made) frame size 250-M - 4 pole 1500 RPM totally enclosed fan cooled squirrel cage induction motors 3 phase 400 VAC 5% Hz 2% suitable for VFD operation Ambient Temperature 40 C Altitude 1000 m above sea level Construction IM B3 (foot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ non clogging sillage pump type 150-315 size 6"x6" mounted on KSB steel frame / coupling with sleeve capable of giving discharge 1376 GPM against the required head 95 ft. i/c installed on c.c foundation ration 1:2:4 with MS nuts & bolts of 5/8" dia to be embedded in c.c foundation, supplying and Supplying and fixing Motor control unit (MCU) consists of circuit breaker, magnetic contractor over load protection under /over voltage protection phase failure protection, Amp meter with current transformer voltmeters with potential transformer automatic star delta change over switch controlled power cables indicating lights and all these components are fixed in a metallic dust and smoke proof box, etc: complete. (Siemens made) Providing and laying (Main or sub main) PVC insulated with size 4-7/064 (16mm2) copper conductor in 1-1/2" dia PVC conduit on surface P/F earthing set with 2"x2x1/2" copper plate buried in ground at a depth of 12" or less if water common out from the ground level without and charcoal etc: i/c making the pipe 12" deep by excavation of all type of soil earth plain to be connected with c.c bars comper with own in 1/2" G.I pipe strength from the earth plate. i/c earth work in the ground at depth as per Pak: PWD specification and testing the R.A attached.

3 Sets

@Rs 1506000.00

P/Set

Rs: 4518000

PUMPING MACHINERY (60 BHP) AT PIR SHER ROAD

Non Schedule items

a) Supplying installing in position i/c transportation at site of work Electric pumping set 60 BHP (Siemens made) frame size 250-M - 4 pole 1500 RPM totally enclosed fan cooled squirrel cage induction motors 3 phase 400 VAC 5% Hz 2% suitable for VFD operation Ambient Temperature 40 C Altitude 1000 m above sea level Construction IM B3 (foot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ non clogging sillage pump type 150-315 size 6"x6" mounted on KSB steel frame / coupling with sleeve capable of giving discharge 950 GPM against the required head 90 ft. i/c installed on c.c foundation ration 1:2:4 with MS nuts & bolts of 5/8" dia to be embedded in c.c foundation, supplying and Supplying and fixing Motor control unit (MCU) consists of circuit breaker, magnetic contractor over load protection under /over voltage protection phase failure protection, Amp meter with current transformer voltmeters with potential transformer automatic star delta change over switch controlled power cables indicating lights and all these components are fixed in a metallic dust and smoke proof box, etc: complete. (Siemens made) Providing and laying (Main or sub main) PVC insulated with size 4-7/064 (16mm2) copper conductor in 1-1/2" dia PVC conduit on surface P/F earthing set with 2"x2x1/2" copper plate buried in ground at a depth of 12" or less if water common out from the ground level without and charcoal etc: i/c making the pipe 12" deep by excavation of all type of soil earth plain to be connected with c.c bars comper with own in 1/2" G.I pipe strength from the earth plate. i/c earth work in the ground at depth as per Pak: PWD specification and testing the R.A attached.

3 Sets

@Rs 1363000.00

P/Set

Rs: 3948900

Project Director / Controller  
Larkana Division  
Larkana



PUMPING MACHINERY (60 BHP) AT PHULL ROAD

Non Schedule items

- a) Supplying installing in position i/c transportation at site of work Electric pumping set 60 BHP (Siemens made) frame size 250-M - 4 pole 1500 RPM totally enclosed fan cooled squirrel cage induction motors 3 phase 400 VAC 5% Hz 2% suitable for VFD operation Ambient Temperature 40 C Altitude 1000 m above sea level Construction IM B3 (foot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ non clogging sillage pump type 150-315 size 6"x6" mounted on KSB steel frame / coupling with sleeve capable of giving discharge 1157 GPM against the required head 70 ft, i/c installed on c.c foundation ration 1:2:4 with MS nuts & bolts of 5/8" dia to be embeded in c.c foundation, supplying and Supplying and fixing Motor control unit (MCU) consists of circuit breaker, magnetic contractor over load protection under /over voltage protection phase failure protection, Amp meter with current transformer voltmeters with potential transformer automatic star delta change over switch controlled power cables indicating lights and all these componets are fixed in a metallic dust and smoke proof box, etc: complete. (Siemens made) Providing and laying (Main or sub main) PVC insulated with size 4-7/064 (16mm<sup>2</sup>) copper conductor in 1-1/2" dia PVC conduit on surface P/F earthing set with 2"x2"x1/2" copper plate buried in ground at a depth of 12" or less if water common out from the ground level without and charcoal etc: i/c making the pipe 12" deep by excavation of all type of soil earth plain to be connected with c.c bars comper with own in 1/2" G.I pipe strength from the earth plate. i/c earth work in the ground at depth as per Pak: PWD specification and testing the 72 hours R.A attached.

3 Sets

1316,300/-  
@Rs 438766.66 P/Set

3948900/-  
Rs. 2048000

PUMPING MACHINERY (50 BHP) AT MAHAR WADA ROAD MAIN DISPOSAL

Non Schedule items

- a) Supplying installing in position i/c transportation at site of work Electric pumping set 50 BHP (Siemens made) frame size 250-M - 4 pole 1500 RPM totally enclosed fan cooled squirrel cage induction motors 3 phase 400 VAC 5% Hz 2% suitable for VFD operation Ambient Temperature 40 C Altitude 1000 m above sea level Construction IM B3 (foot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ non clogging sillage pump type 150-315 size 6"x6" mounted on KSB steel frame / coupling with sleeve capable of giving discharge 1667 GPM against the required head 50 ft, i/c installed on c.c foundation ration 1:2:4 with MS nuts & bolts of 5/8" dia to be embeded in c.c foundation, supplying and Supplying and fixing Motor control unit (MCU) consists of circuit breaker, magnetic contractor over load protection under /over voltage protection phase failure protection, Amp meter with current transformer voltmeters with potential transformer automatic star delta change over switch controlled power cables indicating lights and all these componets are fixed in a metallic dust and smoke proof box, etc: complete. (Siemens made) Providing and laying (Main or sub main) PVC insulated with size 4-7/064 (16mm<sup>2</sup>) copper conductor in 1-1/2" dia PVC conduit on surface P/F earthing set with 2"x2"x1/2" copper plate buried in ground at a depth of 12" or less if water common out from the ground level without and charcoal etc: i/c making the pipe 12" deep by excavation of all type of soil earth plain to be connected with c.c bars comper with own in 1/2" G.I pipe strength from the earth plate. i/c earth work in the ground at depth as per Pak: PWD specification and testing the 72 hours R.A attached.

3 Sets

@Rs 1258400.0 P/Set

Rs. 3775200

100

  
Project Director/Commissioner  
Water & Power  
Government of Punjab  
Lahore



PUMPING MACHINERY (50 BHP) AT YAR MOHAMMAD KALIHORO COLONY

Non Schedule items

- a) Supplying installing in position i/c transportation at site of work Electric pumping set 50 BHP (Siemens made) frame size 250-M - 4 pole 1500 RPM totally enclosed fan cooled squirrel cage induction motors 3 phase 400 VAC 5% Hz 2% suitable for VFD operation Ambient Temperature 40 C Altitude 1000 m above sea level Construction IM B3 (foot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ non clogging sillage pump type 150-315 size 6"x6" mounted on KSB steel frame / coupling with sleeve capable of giving discharge 1050 GPM against the required head 80 ft. i/c installed on c.c foundation ration 1:2:4 with MS nuts & bolts of 5/8" dia to be embedded in c.c foundation, supplying and Supplying and fixing Motor control unit (MCU) consists of circuit breaker, magnetic contractor over load protection under /over voltage protection phase failure protection, Amp meter with current transformer voltmeters with potential transformer automatic star delta change over switch controlled power cables indicating lights and all these components are fixed in a metallic dust and smoke proof box, etc: complete. (Siemens made) Providing and laying (Main or sub main) PVC insulated with size 4-7/064 (16mm<sup>2</sup>) copper conductor in 1-1/2" dia PVC conduit on surface P/F earthing set with 2"x2"x1/2" copper plate buried in ground at a depth of 12" or less if water common out from the ground level without and charcoal etc: i/c making the pipe 12" deep by excavation of all type of soil earth plain to be connected with c.c bars comper with own in 1/2" G.I pipe strength from the earth plate. i/c earth work in the ground at depth as per Pak: PWD specification and testing the 72 hours R.A attached.

3 Sets

@Rs 1258400.0

P/Set

Rs. 3775200

PUMPING MACHINERY (40 BHP) AT SACHAL COLONY

Non Schedule items

- a) Supplying installing in position i/c transportation at site of work Electric pumping set 40 BHP (Siemens made) frame size 250-M - 4 pole 1500 RPM totally enclosed fan cooled squirrel cage induction motors 3 phase 400 VAC 5% Hz 2% suitable for VFD operation Ambient Temperature 40 C Altitude 1000 m above sea level Construction IM B3 (foot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ non clogging sillage pump type 150-315 size 6"x6" mounted on KSB steel frame / coupling with sleeve capable of giving discharge 1060 GPM against the required head 55 ft. i/c installed on c.c foundation ration 1:2:4 with MS nuts & bolts of 5/8" dia to be embedded in c.c foundation, supplying and Supplying and fixing Motor control unit (MCU) consists of circuit breaker, magnetic contractor over load protection under /over voltage protection phase failure protection, Amp meter with current transformer voltmeters with potential transformer automatic star delta change over switch controlled power cables indicating lights and all these components are fixed in a metallic dust and smoke proof box, etc: complete. (Siemens made) Providing and laying (Main or sub main) PVC insulated with size 4-7/064 (16mm<sup>2</sup>) copper conductor in 1-1/2" dia PVC conduit on surface P/F earthing set with 2"x2"x1/2" copper plate buried in ground at a depth of 12" or less if water common out from the ground level without and charcoal etc: i/c making the pipe 12" deep by excavation of all type of soil earth plain to be connected with c.c bars comper with own in 1/2" G.I pipe strength from the earth plate. i/c earth work in the ground at depth as per Pak: PWD specification and testing the 72 hours R.A attached.

2 Sets

@Rs 1188000.0

P/Set

Rs. 2376000

101

Project Director - /C. In-charge  
Urban Division  
Lahore



PUMPING MACHINERY (40 BHP) AT NEW NAZAR MUHALLA.

Non Schedule Items

- a) Supplying installing in position i/e transportation at site of work Electric pumping set 40 BHP (Siemens made) frame size 250-M - 4 pole 1500 RPM totally enclosed fan cooled squirrel cage induction motors 3 phase 400 VAC 5% Hz 2% suitable for VFD operation Ambient Temperature 40 C Altitude 1000 m above sea level Construction IM B3 (foot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ non clogging sillage pump type 150-315 size 6"x6" mounted on KSB steel frame / coupling with sleeve capable of giving discharge 1265 GPM against the required head 45 ft, i/e installed on c.c foundation ration 1:2:4 with MS nuts & bolts of 5/8" dia to be embedded in c.c foundation, supplying and Supplying and fixing Motor control unit (MCU) consists of circuit breaker, magnetic contractor over load protection under /over voltage dprotection phase failure proection, Amp meter with current transformer voltmeters with potential transformer automatic star delta change over switch controlled power cables indicating lights and all these components are fixed in a metallic dust and smoke proof box, etc: complete. (Siemens made) Providing and laying (Main or sub main) PVC insulated with size 4-7/064 (16mm<sup>2</sup>) copper conductor in 1-1/2" dia PVC conduit on surface P/F earthing set with 2"x2"x1/2" copper plate buried in ground at a depth of 12" or less if water common out from the ground level without and charcoal etc: i/e making the pipe 12" deep by excavation of all type of soil earth plain to be connected with c.c bars comper with own in 1/2" G.I pipe strength from the earth plate, i/e earth work in the ground at depth as per Pak: PWD specification and testing the 72 hours R.A attached.

3

Sets

@Rs 1188000.0

P./Set

Rs. 3564000

PUMPING MACHINERY (40 BHP) AT DEGREE COLLEGE.

Non Schedule Items

- a) Supplying installing in position i/e transportation at site of work Electric pumping set 40 BHP (Siemens made) frame size 250-M - 4 pole 1500 RPM totally enclosed fan cooled squirrel cage induction motors 3 phase 400 VAC 5% Hz 2% suitable for VFD operation Ambient Temperature 40 C Altitude 1000 m above sea level Construction IM B3 (foot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ non clogging sillage pump type 150-315 size 6"x6" mounted on KSB steel frame / coupling with sleeve capable of giving discharge 1225 GPM against the required head 40 ft, i/e installed on c.c foundation ration 1:2:4 with MS nuts & bolts of 5/8" dia to be embedded in c.c foundation, supplying and Supplying and fixing Motor control unit (MCU) consists of circuit breaker, magnetic contractor over load protection under /over voltage dprotection phase failure proection, Amp meter with current transformer voltmeters with potential transformer automatic star delta change over switch controlled power cables indicating lights and all these components are fixed in a metallic dust and smoke proof box, etc: complete. (Siemens made) Providing and laying (Main or sub main) PVC insulated with size 4-7/064 (16mm<sup>2</sup>) copper conductor in 1-1/2" dia PVC conduit on surface P/F earthing set with 2"x2"x1/2" copper plate buried in ground at a depth of 12" or less if water common out from the ground level without and charcoal etc: i/e making the pipe 12" deep by excavation of all type of soil earth plain to be connected with c.c bars comper with own in 1/2" G.I pipe strength from the earth plate, i/e earth work in the ground at depth as per Pak: PWD specification and testing the 72 hours R.A attached.

2

Sets

@Rs 1188000.0

P./Set

Rs. 2376000

10 2

Project Director/Commissioner  
Water & Power Division  
G-10



PUMPING MACHINERY (40 BHP) AT SUHAH COLONY

Non Schedule items

- a) Supplying installing in position i/c transportation at site of work Electric pumping set 40 BHP (Siemens made) frame size 250-M - 4 pole 1500 RPM totally enclosed fan cooled squirrel cage induction motors 3 phase 400 VAC 5% Hz 2% suitable for VFD operation Ambient Temperature 40 C Altitude 1000 m above sea level Construction IM B3 (foot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ non clogging siltage pump type 150-315 size 6"x6" mounted on KSB steel frame / coupling with sleeve capable of giving discharge 1205 GPM against the required head 55 ft, i/c installed on c.c foundation ratio 1:2:4 with MS nuts & bolts of 5/8" dia to be embedded in c.c foundation, supplying and Supplying and fixing Motor control unit (MCU) consists of circuit breaker, magnetic contractor over load protection under /over voltage dprotection phase failure proection, Amp meter with current transformer voltmeters with potential transformer automatic star delta change over switch controlled power cables indicating lights and all these componets are fixed in a metallic dust and smoke proof box, etc: complete. (Siemens made) Providing and laying (Main or sub main) PVC insulated with size 4-7/064 (16mm<sup>2</sup>) copper conductor in 1-1/2" dia PVC conduit on surface P/F earthing set with 2"x2"x1/2" copper plate buried in ground at a depth of 12" or less if water common out from the ground level without and charcoal etc: i/c making the pipe 12" deep by excavation of all type of soil earth plain to be connected with c.c bars camper with own in 1/2" G.I pipe strength from the earth plate. i/c earth work in the ground at depth as per Pak: PWD specification and testing the 72 hours

R.A attached.

3 Sets

@Rs 1188000.0

P/Set

Rs. 3564000

PUMPING MACHINERY (40 BHP) AT PIRZADA COLONY

Non Schedule items

- a) Supplying installing in position i/c transportation at site of work Electric pumping set 40 BHP (Siemens made) frame size 250-M - 4 pole 1500 RPM totally enclosed fan cooled squirrel cage induction motors 3 phase 400 VAC 5% Hz 2% suitable for VFD operation Ambient Temperature 40 C Altitude 1000 m above sea level Construction IM B3 (foot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ non clogging siltage pump type 150-315 size 6"x6" mounted on KSB steel frame / coupling with sleeve capable of giving discharge 1200 GPM against the required head 45 ft, i/c installed on c.c foundation ratio 1:2:4 with MS nuts & bolts of 5/8" dia to be embedded in c.c foundation, supplying and Supplying and fixing Motor control unit (MCU) consists of circuit breaker, magnetic contractor over load protection under /over voltage dprotection phase failure proection, Amp meter with current transformer voltmeters with potential transformer automatic star delta change over switch controlled power cables indicating lights and all these componets are fixed in a metallic dust and smoke proof box, etc: complete. (Siemens made) Providing and laying (Main or sub main) PVC insulated with size 4-7/064 (16mm<sup>2</sup>) copper conductor in 1-1/2" dia PVC conduit on surface P/F earthing set with 2"x2"x1/2" copper plate buried in ground at a depth of 12" or less if water common out from the ground level without and charcoal etc: i/c making the pipe 12" deep by excavation of all type of soil earth plain to be connected with c.c bars camper with own in 1/2" G.I pipe strength from the earth plate. i/c earth work in the ground at depth as per Pak: PWD specification and testing the 72 hours

R.A attached.

2 Sets

@Rs 1188000.0

P/Set

Rs. 2376000

Project Director/Commissioner  
Land Development Division



PUMPING MACHINERY (30 BHP) AT RAHAMPUR RAILWAY

Non Schedule items

- a) Supplying installing in position i/e transportation at site of work Electric pumping set 30 BHP (Siemens made) frame size 250-M - 4 pole 1500 RPM totally enclosed fan cooled squirrel cage induction motors 3 phase 400 VAC 5% Hz 2% suitable for VFD operation Ambient Temperature 40 C Altitude 1000 m above sea level Construction IM B3 (foot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ non clogging sillage pump type 150-315 size 6"x6" mounted on KSB steel frame / coupling with sleeve capable of giving discharge 900 GPM against the required head 55 ft, i/e installed on c.c foundation ration 1:2:4 with MS nuts & bolts of 5/8" dia to be embedded in c.c foundation, supplying and Supplying and fixing Motor control unit (MCU) consists of circuit breaker, magnetic contractor over load protection under /over voltage dprotection phase failure proection, Amp meter with current transformer voltmeters with potential transformer automatic star delta change over switch controlled power cables indicating lights and all these componets are fixed in a metallic dust and smoke proof box, etc: complete. (Siemens made) Providing and laying (Main or sub main) PVC insulated with size 4-7/064 (16mm<sup>2</sup>) copper conductor in 1-1/2" dia PVC conduit on surface P/F earthing set with 2"x2"x1/2" copper plate buried in ground at a depth of 12" or less if water comes out from the ground level without and charcoal etc: i/e making the pipe 12" deep by excavation of all type of soil earth plain to be connected with c.c bars comper with own in 1/2" G.I pipe strength from the earth plate. i/e earth work in the ground at depth as per Pak: PWD specification and testing the 72 hours

R.A attached.

1 Sets

@Rs 1110500.0

P/Set

Rs. 3331500

PUMPING MACHINERY (30 BHP) AT KHUDA ABAD

Non Schedule items

- a) Supplying installing in position i/e transportation at site of work Electric pumping set 30 BHP (Siemens made) frame size 250-M - 4 pole 1500 RPM totally enclosed fan cooled squirrel cage induction motors 3 phase 400 VAC 5% Hz 2% suitable for VFD operation Ambient Temperature 40 C Altitude 1000 m above sea level Construction IM B3 (foot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ non clogging sillage pump type 150-315 size 6"x6" mounted on KSB steel frame / coupling with sleeve capable of giving discharge 910 GPM against the required head 55 ft, i/e installed on c.c foundation ration 1:2:4 with MS nuts & bolts of 5/8" dia to be embedded in c.c foundation, supplying and Supplying and fixing Motor control unit (MCU) consists of circuit breaker, magnetic contractor over load protection under /over voltage dprotection phase failure proection, Amp meter with current transformer voltmeters with potential transformer automatic star delta change over switch controlled power cables indicating lights and all these componets are fixed in a metallic dust and smoke proof box, etc: complete. (Siemens made) Providing and laying (Main or sub main) PVC insulated with size 4-7/064 (16mm<sup>2</sup>) copper conductor in 1-1/2" dia PVC conduit on surface P/F earthing set with 2"x2"x1/2" copper plate buried in ground at a depth of 12" or less if water comes out from the ground level without and charcoal etc: i/e making the pipe 12" deep by excavation of all type of soil earth plain to be connected with c.c bars comper with own in 1/2" G.I pipe strength from the earth plate. i/e earth work in the ground at depth as per Pak: PWD specification and testing the 72 hours

R.A attached.

2 Sets

@Rs 1110500.0

P/Set

Rs. 2221000



Project Director/Commissioner  
Lahore Division  
Lahore

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PUMPING MACHINERY (30 BHP) AT BIDDURGI COLONY

Non Schedule items

- a) Supplying installing in position i/e transportation at site of work Electric pumping set 30 BHP (Siemens made) frame size 250-M - 4 pole 1500 RPM totally enclosed fan cooled squirrel cage induction motors 3 phase 400 VAC 5% Hz 2% suitable for VFD operation Ambient Temperature 40 C Altitude 1000 m above sea level Construction IM B3 (foot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ non clogging sillage pump type 150-315 size 6"x6" mounted on KSB steel frame / coupling with sleeve capable of giving discharge 1175 GPM against the required head 44 ft. i/e installed on c.c foundation ration 1:2:4 with MS nuts & bolts of 5/8" dia to be embedded in c.c foundation, supplying and Supplying and fixing Motor control unit (MCU) consists of circuit breaker, magnetic contractor over load protection under /over voltage dprotection phase failure proection, Amp meter with current transformer voltmeters with potential transformer automatic star-delta change over switch controlled power cables indicating lights and all these components are fixed in a metallic dust and smoke proof box, etc: complete. (Siemens made) Providing and laying (Main or sub main) PVC insulated with size 4-7/064 (16mm<sup>2</sup>) copper conductor in 1-1/2" dia PVC conduit on surface P/F earthing set with 2"x2"x1/2" copper plate buried in ground at a depth of 12" or less if water common out from the ground level without and charcoal etc: i/e making the pipe 12" deep by excavation of all type of soil earth plain to be connected with c.c bars camper with own in 1/2" G.I pipe strength from the earth plate. i/e earth work in the ground at depth as per Pak: PWD specification and testing the 72 hours R.A attached

2 Sets

@Rs 1110500.0

P./Set

Rs. 2221000

PUMPING MACHINERY (20 BHP) AT BHAINSE COLONY

Non Schedule items

- a) Supplying installing in position i/e transportation at site of work Electric pumping set 20 BHP (Siemens made) frame size 250-M - 4 pole 1500 RPM totally enclosed fan cooled squirrel cage induction motors 3 phase 400 VAC 5% Hz 2% suitable for VFD operation Ambient Temperature 40 C Altitude 1000 m above sea level Construction IM B3 (foot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ non clogging sillage pump type 100-250 size 5"x4" mounted on KSB steel frame / coupling with sleeve capable of giving discharge 750 GPM against the required head 50 ft. i/e installed on c.c foundation ration 1:2:4 with MS nuts & bolts of 5/8" dia to be embedded in c.c foundation, supplying and Supplying and fixing Motor control unit (MCU) consists Oil starter (Simense) contractor over load protection under /over voltage dprotection phase failure proection, etc: complete. (Siemens made) Providing and laying (Main or sub main) PVC insulated with size 4-7/064 (16mm<sup>2</sup>) copper conductor in 1-1/2" dia PVC conduit on surface P/F earthing set with 2"x2"x1/2" copper plate buried in ground at a depth of 12" or less if water common out from the ground level without and charcoal etc: i/e making the pipe 12" deep by excavation of all type of soil earth plain to be connected with c.c bars camper with own in 1/2" G.I pipe strength from the earth plate. i/e earth work in the ground at depth as per Pak: PWD specification and testing the 72 hours R.A attached

1 Sets

@Rs 762500.0

P./Set

Rs. 762500

Project Director/Commissioner  
Larkana  
District

PUMPING MACHINERY (20 BHP) AT ALLAH ABAD

Non Schedule Items

- a) Supplying installing in position i/e transportation at site of work Electric pumping set 20 BHP (Siemens made) frame size 250-M - 4 pole 1500 RPM totally enclosed fan cooled squirrel cage induction motors 3 phase 400 VAC 5% Hz 2% suitable for VFD operation Ambient Temperature 40 C Altitude 1000 m above sea level Construction IM B3 (foot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ non clogging surlage pump type 100-250 size 5"x4" mounted on KSB steel frame / coupling with sleeve capable of giving discharge 580 GPM against the required head 50 ft. i/e installed on c.c foundation ration 1:2:4 with MS nuts & bolts of 5/8" dia to be embedded in c.c foundation, supplying and Supplying and fixing Motor control unit (MCU) consists Oil starter (Simense) contractor over load protection under /over voltage dprotection phase failure ptection, etc: complete. (Siemens made) Providing and laying (Main or sub main) PVC insulated with size 4-7/064 (16mm<sup>2</sup>) copper conductor in 1-1/2" dia PVC conduit on surface P/F earthing set with 2x2x1/2" copper plate buried in ground at a depth of 12" or less if water common out from the ground level without and charcoal etc: i/e making the pipe 12" deep by excavation of all type of soil earth plain to be connected with c.c bars comper with own in 1/2" G.I pipe strength from the earth plate. i/e earth work in the ground at depth as per Pak: PWD specification and testing the 72 hours

R.A attached

1 Sets

@Rs 762500.0

P/Set

Rs. 762500

PUMPING MACHINERY (20 BHP) AT SHAHBAZ COLONY

Non Schedule Items

- a) Supplying installing in position i/e transportation at site of work Electric pumping set 20 BHP (Siemens made) frame size 250-M - 4 pole 1500 RPM totally enclosed fan cooled squirrel cage induction motors 3 phase 400 VAC 5% Hz 2% suitable for VFD operation Ambient Temperature 40 C Altitude 1000 m above sea level Construction IM B3 (foot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ non clogging surlage pump type 100-250 size 5"x4" mounted on KSB steel frame / coupling with sleeve capable of giving discharge 870 GPM against the required head 40 ft. i/e installed on c.c foundation ration 1:2:4 with MS nuts & bolts of 5/8" dia to be embedded in c.c foundation, supplying and Supplying and fixing Motor control unit (MCU) consists Oil starter (Simense) contractor over load protection under /over voltage dprotection phase failure ptection, etc: complete. (Siemens made) Providing and laying (Main or sub main) PVC insulated with size 4-7/064 (16mm<sup>2</sup>) copper conductor in 1-1/2" dia PVC conduit on surface P/F earthing set with 2x2x1/2" copper plate buried in ground at a depth of 12" or less if water common out from the ground level without and charcoal etc: i/e making the pipe 12" deep by excavation of all type of soil earth plain to be connected with c.c bars comper with own in 1/2" G.I pipe strength from the earth plate. i/e earth work in the ground at depth as per Pak: PWD specification and testing the 72 hours

R.A attached

2 Sets

@Rs 762500.0

P/Set

Rs. 1525000

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Project Manager - Islamabad



PUMPING MACHINERY (20 BHP) AT LAHOORI MUHALLA

Non Schedule items

- a) Supplying installing in position i/e transportation at site of work. Electric pumping set 20 BHP (Siemens made) frame size 250-M - 4 pole 1500 RPM totally enclosed fan cooled squirrel cage induction motors 3 phase 400 VAC 5% Hz 2% suitable for VFD operation Ambient Temperature 40 C Altitude 1000 m above sea level Construction IM B3 (foot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ non clogging surlage pump type 100-250 size 5"x4" mounted on KSB steel frame / coupling with sleeve capable of giving discharge 850 GPM against the required head 40 ft, i/e installed on c.c foundation ration 1:2:4 with MS nuts & bolts of 5/8" dia to be embedded in c.c foundation, supplying and Supplying and fixing Motor control unit (MCU) consists Oil starter (Simense) contractor over load protection under /over voltage dprotection phase failure proection, etc: complete. (Siemens made) Providing and laying (Main or sub main) PVC insulated with size 4-7/064 (16mm<sup>2</sup>) copper conductor in 1-1/2" dia PVC conduit on surface P/F earthing set with 2"x2"x1/2" copper plate buried in ground at a depth of 12" or less if water common out from the ground level without and charcoal etc: i/e making the pipe 12" deep by excavation of all type of soil earth plain to be connected with c.c bars comper with own in 1/2" G.I pipe strength from the earth plate. i/e earth work in the ground at depth as per Pak: PWD specification and testing the 72 hours. R.A attached.

2 Sets

@Rs 762500.0

P./Set

Rs. 1525000

PUMPING MACHINERY (20 BHP) AT ZULFIQAR BAGH

Non Schedule items

- a) Supplying installing in position i/e transportation at site of work. Electric pumping set 20 BHP (Siemens made) frame size 250-M - 4 pole 1500 RPM totally enclosed fan cooled squirrel cage induction motors 3 phase 400 VAC 5% Hz 2% suitable for VFD operation Ambient Temperature 40 C Altitude 1000 m above sea level Construction IM B3 (foot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ non clogging surlage pump type 100-250 size 5"x4" mounted on KSB steel frame / coupling with sleeve capable of giving discharge 620 GPM against the required head 50 ft, i/e installed on c.c foundation ration 1:2:4 with MS nuts & bolts of 5/8" dia to be embedded in c.c foundation, supplying and Supplying and fixing Motor control unit (MCU) consists Oil starter (Simense) contractor over load protection under /over voltage dprotection phase failure proection, etc: complete. (Siemens made) Providing and laying (Main or sub main) PVC insulated with size 4-7/064 (16mm<sup>2</sup>) copper conductor in 1-1/2" dia PVC conduit on surface P/F earthing set with 2"x2"x1/2" copper plate buried in ground at a depth of 12" or less if water common out from the ground level without and charcoal etc: i/e making the pipe 12" deep by excavation of all type of soil earth plain to be connected with c.c bars comper with own in 1/2" G.I pipe strength from the earth plate. i/e earth work in the ground at depth as per Pak: PWD specification and testing the 72 hours. R.A attached.

2 Sets

@Rs 762500.0

P./Set

Rs. 1525000

Project Director - Commissioner  
Division

PUMPING MACHINERY (20 BHP) AT LUHUR COLONY

Non Schedule items

- a) Supplying installing in position i/c transportation at site of work Electric pumping set: 20 BHP (Siemens made) frame size 250-M - 4 pole 1500 RPM totally enclosed fan cooled squirrel cage induction motors 3 phase 400 VAC 5% Hz 2% suitable for VFD operation Ambient Temperature 40 C Altitude 1000 m above sea level Construction IM B3 (foot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ non clogging sillage pump type 100-250 size 5"x4" mounted on KSB steel frame / coupling with sleeve capable of giving discharge 690 GPM against the required head 40 ft, i/c installed on c.c foundation ration 1:2:4 with MS nuts & bolts of 5/8" dia to be embedded in c.c foundation, supplying and Supplying and fixing Motor control unit (M.C.U) consists Oil starter (Simense) contractor over load protection under /over voltage: protection phase failure protection, etc: complete. (Siemens made) Providing and laying (Main or sub main) PVC insulated with size 1-7/16" (16mm<sup>2</sup>) copper conductor in 1-1/2" dia PVC conduit on surface P/F earthing set with 2"x2"x1/2" copper plate buried in ground at a depth of 12" or less if water common out from the ground level without and charcoal etc: i/c making the pipe 12" deep by excavation of all type of soil earth plain to be connected with c.c bars copper with own in 1/2" G.I pipe strength from the earth plate. i/c earth work in the ground at depth as per Pak: PWD specification and testing the 72 hours

R.A attached

2 Sets

@Rs. 762500.0

P/Set

Total (A)

Rs. 1525000

Rs. 49618900

PART- IVX INTER CONNECTION OF PUMPING MACHINERY

- 1 Providing laying and fixing in trenches i/c fitting jointing and testing etc: complete in all respect the high Density polyethylene PE pipes (HDPE-100) for W/S conforming ISO 4427/DIN 8074/8075 D.S.3580 & PSI 3051 (P.H.S.I-1, P-25) PN-10

Suction 6" dia

16 Rft

@Rs. 530.0

P/Rft

Rs. 8480

Delivery 8"

16 Rft

@Rs. 1590.0

P/Rft

Rs. 25440

- 2 C.I Bend with flange end with holes i/c turning and facing of flanges for all sizes. (P.H.S (M) 1, No 8 P/ 12)

1.61 cwt

@Rs. 6096.0

P/cwt

Rs. 9815

- 3 C.I Tee with flange end with holes i/c turning and facing of flanges for all sizes. (P.H.S (M) 1, No 8 P/ 12)

Delivery 8" dia

0.77 cwt

Lbs

@Rs. 6096.0

P/cwt

Rs. 4694

- 4 Supplying & installing M.S pipe made out of M.S sheet 3/16" i/c folding to correct circular shape i/c welding etc

Suction 6" dia

8 rft

@Rs. 749.34

P/rft

Rs. 5995

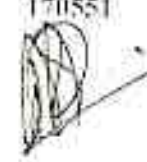
Project \_\_\_\_\_  
 \_\_\_\_\_  
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5	Providing and fixing M.S flange made of M.S plate having a thickness and total weight as mentioned against each item. It includes the cost of making holes facing welding nuts bolts rubber packing white lead filler cartage etc: complete. (P.H.S I/No 8 P/ 88) 1/2" thick M.S Plate				
	Suction 6" dia	4 Nos	@Rs 1520.0	P/each	Rs. 6080
	Delivery 8" dia	6 Nos	@Rs 1953.0	P/each	Rs. 11718
6	C.I tapered flat bottomed or central tapered flanged end with holes i/c lining facing flanged for all sizes (P.H.S (M) I No 7 P/ 11)				
	Delivery				
	Rectangular x 6" x 4"	1 cwt	@Rs 6096.0	P/cwt	Rs. 2621
7	C.I sluice valve heavy pattern test pressure 21 kg /sq. cm or 300 lbs /sq inch (P.H.S (M) I No 10 P/ 11)				
	6" dia	1 Nos	@Rs 9360.00	P/each	Rs. 9360
8	Reflex valve heavy pattern test pressure 21 kg /sq. cm or 300 lbs /sq inch (P.H.S (M) I No 6 P/ 11)				
	6" dia	2 Nos	@Rs 4062.50	Each	Rs. 8125
9	Foot valve heavy pattern with cone type gate imported (P.H.S (M) I No 4 P/ 11)				
	6" dia	1 Nos	@Rs 1381.25	Each	Rs. 1381
	<u>Non-schedule item</u>				
10	Butt Fusion joint (P.H.S.(M),I-H/P-20)				
	6" dia	4 Joints	@Rs 1000.00	Each	Rs. 4000
	8" dia	6 Joints	@Rs 1800.00	P/cwt	Rs. 10800
11	Flange adaptor (Non Sch: Item)				
	6" dia	4 Joints	@Rs 2025.00	Each	Rs. 8100
	8" dia	6 Joints	@Rs 7425.00	Each	Rs. 44550
12	Jointing C.I/M.S flanged and specials pipes and inside a trenches i/c supplying of the rubber packing of the required thickness nuts bolts and washers etc and other tools required for jointing and testing the joints in the specified pressure etc complete (P.H.S I No 1 P/ 40)				
	6" dia	4 Joints	@Rs 938.00	Each	Rs. 3752
	8" dia	6 Joints	@Rs 940.00	Each	Rs. 5640
	Total: Sch: items				Rs. 117901
	Non-sch: items				Rs. 52650
	G.Total:				Rs. 170551

Each Set 170551 x 44 Sets =

Rs. 7504244



10/1

Project: ...  
 Execd: ...  
 Laxman

GENERAL ABSTRACT

S. No.	Sub-Work	Schedule Amount	Non-Schedule Amount	Total
1	Part-I C.C drains	13183264 ✓	0	13183264 ✓
2	Part-II C.C Blocks	23830373 ✓	4000/-	23834373 ✓
3	Part-III Main Nala (2.50 wide)	<del>11521368</del> 41119392 ✓	178024/-	111719392 ✓
4	Part-IV RCC Nala (2.50 wide)	22398224	0	22398224
5	Part-V RCC Collecting Tank	20629546	0	20629546
6	Part-VI Screening chamber	<del>1245776</del> 1245776 ✓	0	1245776 ✓
7	Part-VII RCC Sewer	<del>9693802</del> 9693802 ✓	0	9693802 ✓
8	Part-VIII Catch Pits	1383127	0	1383127
9	Part-IX Pump House	<del>7710612</del> 7710612 ✓	0	7710612 ✓
10	Part-X Compound Wall	<del>4861168</del> 4861168 ✓	0	4861168 ✓
11	Part-XI Pe-Pipe	<del>99259758</del> 99259758 ✓	0	99259758 ✓
12	Part-XII Diesel Generator	378925 ✓	15441000 ✓	15819925 ✓
13	Part-XIII Pump Machinery	0	<del>49628788</del> 49628788 ✓	49628788 ✓
14	Part-IVX Inler connection of P. Mach:	5187644 ✓	2316600 ✓	7504244 ✓
	G.Total:	<del>349093870</del>	67376500	416470370

34,63,03,587/-    69,22,83,24/-    41,55,31,911/-

Amount Total (a) ✓  
35.70% ✓

% above/below on the rates CSR    Amount to be added/deducted on the basis of premium quoted.    TOTAL(b)

Total (A) = a + b in words & figure: 53,22,36,224/-

  
CONTRACTOR



  
Project Director/Commissioner  
Larkana Division  
Larkana

was the ✓  
  
A.M. 3.7.14

  
S.E.

was the ✓  
XERO PHED  
Amtrawal





PROJECT DIRECTOR / COMMISSIONER  
LARKANO DIVISION  
LARKANO

No. PD/NIT/ 49  
Larkano dated:

# 074-9410245  
# 074-9410304  
saeedmagneja@yahoo.com

15- /of/2014  
15- 2014

M/s Muhammad Iqbal Shaikh & Co.  
F/1248, Aziz Nest, Near Ibrat Press,  
Gari Khata, Hyderabad.

**Subject:** Construction of Various Disposal Works comprising on Collecting Tanks, Screening Chambers, Pump Houses, Pumping Machinery, Rising Mains and Main RCC Nalas for Improvement & Extension of Drainage Scheme Larkana City.

**Reference:** Your rate quoted on dated 03/10/2014 is approved by Chief Engineer, PHED Sukkur vide No. GM/PHED/3090 dated 09/12/2014.

Your percentage rate for tender amount Rs. 415,531,911/- (Rupees Four Hundred Fifteen Million, Five Hundred Thirty One Thousand & Nine Hundred Eleven) only @ Rs.33.70% above the schedule items, except Non Schedule Items, entered in the "Bill of Quantities" which works out to Rs: 8.96% above the estimated cost, being the lowest evaluated rate in competition, recommended by the Procurement Committee is accepted.

You are, therefore, directed to please start the work within seven (07) days after issuance of the Letter of Award according to drawing, design & specifications under the supervision of Executive Engineer, Public Health Engg. Division Larkano-I & instructions from undersigned.

No premium will be allowed on non-schedule items.

No Extra charges such as Taxes, Octroi, packing or transportation of material etc will be paid separately.

The work shall have to be completed by you within the period of Fifteen (15) Months as provided in the Notice Inviting tender.

The Sindh Sales Tax Special Producer (withholding) Rules, 2011 shall apply to taxable service as are supplied, provided or rendered to persons, specified as withholding agents, in the withholding procedure, for the purpose of Deduction and Deposit of Sales Tax.

The claim of contractor for payment will be entertained subject to availability of funds.

The undersigned and the Engineer In-charge, reserves the right to reject any or all parts of it or order for replacement, if it is not done as per drawing, design & specifications.

Please, attend this office to complete the tender documents and execute the contract Agreement.

7A/Photocopy of Bill of Quantities

  
(Dr. Saeed Ahmed Magneja)  
Project Director/Commissioner  
Larkano Division  
Larkano

CC:

- Chief Engineer, Public Health Engineering Department, Sukkur.
- Director (C.B) Sindh Public Procurement Regulatory Authority, Barrack 8 Secretariat-4A Court Road Karachi Tel: 92-21-99205369
- Superintending Engineer, PHE Circle, Larkano.
- Executive Engineer PHE Division-I Larkano.

(INTEGRITY PACT)

**DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC; PAYABLE BY CONTRACTORS.**  
(FOR CONTRACTSWORTHRS. 10.00 MILLIONORMORE)

Contract No. NIT/PD/99, Dated 15/12/2014. Contract Value: 532.236 Million.  
Contract Title: Construction of various Disposal Works comprising on Collecting Tanks, Screening Chambers, Pump Houses, Pumping Machinery, Rising Mains & Main RCC Nalas for Improvement & Extension of Drainage Scheme Larkana City


M/S Muhammad Iqbal Shaikh & Co. 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 sub division 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, M/S Muhammad Iqbal Shaikh & Co. represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to any one 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, share holder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kick back, 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 what so ever form from, from Procuring Agency (PA) except that which has been expressly declared pursuant hereto.

M/S Muhammad Iqbal Shaikh & Co. 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.

M/S Muhammad Iqbal Shaikh & Co. 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, contractor other instrument, be voidable at the option of PA.

Not with standing any rights and remedies exercised by PA in this regard, M/S Muhammad Iqbal Shaikh & Co. agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kick back given by M/S Muhammad Iqbal Shaikh & Co. 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.

  
Project Director / Commissioner  
Larkana Division  
Larkana

  
[Contractor]



## BILL OF QUANTITIES

Name of work: -

Construction of Water Works comprising in Tube Wells i/c Pumping Machinery, Piping, Pump House, Clear Water Tank, Compound Wall for Improvement & Extension of Water Supply Scheme Mirakhan District Government work

Item	Quantities	Description & rate of item to be executed at site	Rate	Unit	Amount Rupees
1	2	3	4	5	6

**A: TUBE WELL, 05 NOS:**

01. Boring for tube well in all bearing soils from ground level upto 100' or 30.50 meters depth i/c sinking & with drawing of casing pipe. (PHSI No: 1,P-41)	100.00 Rft:		@Rs: 743/-	P.Rft:	Rs: 74300/-
02. Taking & preserving in box 2 lbs; (1 K.g) samples of strata from bore holes. (PHSI No:6,P-43)	08 Samples.		@Rs:101/-	P.each.	Rs: 808/-
03. Taking samples of water from bore holes and placing in two separate bottles. (PHSI No:7,P-43)	4 Samples.		@Rs:131/-	P.each.	Rs: 524/-
04. Supplying & installing PVC strainer 'B' class of approved design, quality and make i/c necessary sockets etc complete. (PHSI No:9,P-43)	25.00 Rft:	8" dia.	@Rs:554/05	P.Rft:	Rs: 13851/-
05. Supplying & installing PVC blind pipe 'B' class of approved design, quality and make i/c necessary sockets etc complete. (PHSI No:12,P-12)	75.00 Rft:	8" dia.	@Rs: 516/80	P.Rft:	Rs: 38760/-
06. Shrouding with graded Bajri (3/8" to 1/8") or (9 to 3 mm) in between bore and blind pipe for the following diameters of strainers. (PHSI No:13,P-31)	100.00 Rft:	8" dia.	@Rs: 105/-	P.Rft:	Rs: 10500/-
07. Providing & Fixing of PVC end plug of approved quality (PHSI No: 1, P-18)	01 No:		@Rs: 1000/-	P.each	Rs: 1000/-
08. Supplying & Fixing of M.S bail plug (PHSI No: 8, P-43)	01 No:		@Rs: 2607/-	P.each	Rs: 2607/-
09. Development of Tube Well (PHSI No: 8 (a), P-43)	100.00 rft		@Rs: 200/-	P.Rft	Rs: 20000/-
<b>Total: -</b>					Rs: 1,62,350/-
For 5 Nos: 162350/- x 5 =					Rs: 8,11,750/-

**B: - PUMP HOUSE (8'x8') 07 NOS:**

01. Excavation for foundation of building, bridges & other structure i/c dep belling dressing, refilling around the structure with excavated earth watering ramming lead upto c/cr chain and fill upto 5' (CSI No:8(h),P-4)

140.00 cft.

@Rs: 3176/25

P%Defl.

Rs: 445

02. C. C. brick or stone ballast 1 1/2" to 2" gauge Ratio 1:4:8 (CSI No:4,P-16)			
54.16 cft.	@Rs: 9416/28	P%cft.	Rs: 5100/-
03. Paeca brick work in foundation and plinth in cement sand mortar Ratio 1:6. (CSI No:4, P-23)			
157.83 cft.	@Rs: 11948/36	P%cft.	Rs: 18858/-
04. D.P.C with cement sand shingle concrete 1:2:4 i/e 2 coats of asphalted mixture 3" thick. (CSI No:28 (c), P-28)			
39.54 sft.	@Rs:4982/18	P% sft.	Rs: 1970/-
05. Paeca brick work in ground floor i/e striking of joints upto 12' height. (CSI No:5,P-25) Ratio 1:6			
233.26 cft.	@Rs: 12674/36	P%cft.	Rs: 29564/-
06. Making and Fixing steel grated door with 1/16" thick & 1/4" sq. bars @ 4" c/c with locking arrangements. (CSI No: 24,P-91)			
22.75 sft	@Rs: 726/72	P.sft.	Rs: 16533/-
07. R.C.C work in roof, slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position etc complete. Ratio 1:2:4. (CSI No: 6, P-16)			
52.11 cft.	@Rs: 337/-	P.Cft.	Rs: 17561/-
08. Fabrication of M.S reinforcement for C.C i/e cutting, bending, laying in position making joints fastening i/e cost of binding wire also i/es removal of rust from bars. (CSI No:8, P-16) Using Tor bars			
2.09 cwt.	@Rs: 5001/70	P.Cwt.	Rs: 10454/-
09. Filling watering ramming earth in floor with surplus earth from foundation lead upto one chain and fill upto 5' (CSI No: 21,P-4)			
101.61 cft.	@Rs: 1512/50	P%0cft.	Rs: 154/-
10. Providing, Laying 1" thick topping C.C 1:2:4 i/e surface finishing and dividing into panels 3" thick (CSI No:16,P-41)			
64.00 sft.	@Rs: 4411/82	P% sft.	Rs: 2824/-
11. Cement Plaster 1:6, 1/2" thick upto 12' height. (CSI No:10,P-58)			
399.04 sft.	@Rs: 2206/60	P% sft.	Rs: 8805/-
12. Cement Plaster 1:4, 3/8" thick upto 12' height. (CSI No:10,P-58)			
399.04 sft.	@Rs: 2197/52	P% sft.	Rs: 8769/-
13. Cement pointing struck joints on walls 1:3 (CSI No:19,P-54)			
345.25 sft.	@Rs: 1213/58	P% sft.	Rs: 4190/-
14. Painting new surface preparing surface painting of doors and windows of any type i/e edges. (CSI No:5,P-76) Two coats			
69.50 sft.	@Rs: 2116/41	P% sft.	Rs: 1471/-
15. White washing three coats: (CSI No:26 (b),P-55)			
106.00 sft.	@Rs: 829/95	P% sft.	Rs: 879/-
16. Distemping two coats (CSI No:25 (b), P-60)			
744.29 sft.	@Rs: 1043/90	P% sft.	Rs: 7770/-



17. Fabrication of heavy steel with angles tees flat iron round iron and sheet iron for making trusses girders, tanks etc i/c cutting drilling riveting handling assembling and fixing but excluding Erection in position. (GSI No: 2, P-90)

1.01 cwt. @Rs: 4928/49 P.Cwt. Rs: 4978/-

18. Erection & Fitting in position of iron trusses staging of water tanks etc. (GSI No: 3, P-91)

1.01 cwt @Rs: 271/04 P.cwt Rs: 274/-

Total: - Rs: 140599/-

For 7 Nos: 140599/- x 7 = Rs: 984193/-

C: - PUMP HOUSE (24.0' x 12.0')  
(19.50' x 11.62')

01. Pucca brick work in ground floor i/c striking of joints upto 20' height. (CSI No:5,P-25) Ratio 1:6

458.75 cft @Rs: 12674/36 P%cft. Rs: 58144/-

02. Making and Fixing steel grated door with 1/16" thick & 1/2" sq. bars @ 4" c/c with locking arrangements. (CSI No:4,P-91)

24.50 sft. @Rs: 726/72 P.Sft. Rs: 17441/-

04. Reinforcement cement concrete work i/c all Labour and material except the cost of steel reinforcement and its Labour for bending and binding which will paid separately. This rate also i/c all kinds of forms moulds, lifting shuttering curing rendering and finishing and exposed surface i/c screening and washing of shingle. R.C.C work in roof, slab, beams, columns, rafts, lintels & other structural members laid in situ or precast laid in position etc complete. Ratio 1:2:4 (GSI No:6(a), P-19)

168.66 cft. @Rs: 337/- P.Cft. Rs: 56838/-

04. Fabrication of M.S reinforcement for C.C i/c cutting, bending, laying in position making joints fastening i/c cost of binding wire also i/c removal of rust from bars. (CSI No:7, P-20)

6.77 cwt. @Rs: 5001/70 P.Cwt. Rs: 33862/-

05. Providing & Fixing 3/8" Marble tiles of approved quality and colour and shade size 8"x4" / 6"x4" in dado skirting and facing removal / racking of existing plaster surface etc over 1/2" thick base of cement plaster 1:3 setting of tiles in slurry of white cement over mortar base i/c filling the joints and washing the tiles with white cement slurry curing finishing cleaning and polishing etc complete. (CSI No: 68, P-49)

226.59 sft. @Rs: 186/04 P.Sft. Rs: 42155/-

06. Cement Plaster 1:6, 1/2" thick upto 12' height. (CSI No:10,P-58)

600.00 sft. @Rs: 2206/60 P%sf. Rs: 13240/-

07. Cement Plaster 1:3, 3/8" thick upto 12' height. (CSI No:10,P-58)

600.00 sft. @Rs: 2197/52 P%sf. Rs: 13185/-

08. Cement pointing struck joints on walls 1:3 (CSI No:19,P-54)

661.90 sft. @Rs: 1213/58 P%sf. Rs: 8033/-

09. Painting new surface preparing surface painting of doors and windows of any type i/c edges. (CSI No:5,P-76) Two coats

121.00 sft. @Rs: 2197/52 P%sf. Rs: 2659/-

10. White washing (2 coats) (CSI No:26,P-59)

937.95 sft. @Rs: 829/95 P%sf. Rs: 7785/-

11. Distemping 2 coats. (CSI No:24(b),P-60)

1261.90 sft. @Rs: 1043/90 P%sf. Rs: 13173/-

12. Fabrication of heavy steel with angles tees flat iron round iron and sheet iron for making trusses girders, tanks etc i/e cutting drilling riveting handling assembling and fixing but excluding Erection in position. (GSI No: 2, P-90)

3.05 cwt. @Rs: 4928/49 P.Cwt. Rs: 15032/-

13. Erection & fitting in position of iron trusses staging of water tanks etc. (GSI No: 3, P-91)

3.05 cwt @Rs: 271/04 P.cwt Rs: 827/-

Total: - Rs: 282374/-

**D: - COMPOUND WALL, SIZE (110'x80')**

01. Excavation for foundation of building, bridges and other structure i/e deg belling dressing refilling around the structure with excavated earth watering ramming lead up to one chain and lift up to 5.0 ft. in ordinary soil. (CSI No.18(b) page-05)

1207.12 Cft. @ Rs.3176/25 P%0Cft Rs: 3834/-

02. C.C Brick or Stone Ballast 1 1/2" to 2" gauge. 1:4:8. (CSI No.5 p-16).

301.00 Cft. @ Rs. 9416/28 P%Cft. Rs. 28343/-

03. Pucca brick work in foundation and plinth in cement sand mortar 1:6 (GSI No:4(c),P-25)

1506.99 cft @Rs: 11948/36 P%cft. Rs: 180061/-

04. DPC with cement sand shingle concrete 1:2:4 i/e two coats of asphalt mixture. (CSI No.27 p-28). **3" THICK**

287.00 sft. @ Rs. 4982/18 P% sft. Rs. 14299/-

05. Pucca Brick work other than building i/e striking of joints upto 20' height in cement sand mortar 1:6. (CSI No.7(i)P-26).

1093.50 Cft. @ Rs. 12346/65 P%Cft. Rs. 135011/-

06. Reinforcement cement concrete work i/e all Labour and material except the cost of steel reinforcement and its Labour for bending and binding which will paid separately. This rate also i/e all kinds of forms moulds, lifting shuttering curing rendering and finishing and exposed surface i/e screening and washing of shingle. R.C.C work in roof, slab, beams, columns, rafts, lintels & other structural members laid in situ or precast laid in position etc complete. Ratio 1:2:4 (GSI No:6(a), P-19)

112.25 cft. @Rs: 337/- P.Cft. Rs: 37828/-

07. Fabrication of M.S reinforcement for C.C i/e cutting, bending, laying in position making joints fastening i/e cost of binding wire also i/es removal of rust from bars. (GSI No: 7(ii), P-20)

4.00 cwt. @Rs: 5001/70 P.Cwt. Rs: 20007/-

08. Cement Plaster (1:6) 1/2" thick up to 12' Height. (CSI No.12(a) Page-58)

2765.00 Sft. @ Rs. 2206/60 P%Sft Rs. 61012/-

09. Cement Plaster (1:4) 3/8" thick up to 12' Height. (CSI No.11(b) page-53)

2765.00 Sft. @ Rs. 2197/52 P%Sft Rs. 60761/-

10. Cement pointing struck joints on walls. Ratio 1:3 (CSI No.19 (b) P-59)

1296.00 sft @ Rs. 1213/58 P%Sft Rs: 15728/-

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Project Director, P. W. D. Dept. Govt. of India



11. Making and Fixing steel grated doors and windows with 1/16" thick sheeting i/c angle iron frame 2"x2"x 3/8" and 1/4" sq. bars 4" center to center with locking arrangements. (CSI No: 23, P-97)

60.00 sft. @ Rs: 726/72 P.Sft Rs: 43603/-

12. White washing 3 coats (CSI No: 28, P-60)

2765.00 sft @ Rs: 829/95 P% sft Rs: 22948/-

13. Distemping two coats (CSI No: 24, P-60)

4061.00 sft @ Rs: 1043/90 P% sft Rs: 42393/-

14. Painting new surface preparing surface & painting of door & windows grating. (CSI No. 4(d) P-76) 3 coats

120.00 sft. @ Rs. 2116/41 P% Sft Rs. 2540/-

Total Rs. 668368/-

**E: - R.C.C Clear Water Tanks (size 50'x40')**

01. Excavation for tanks and reservoirs in soft soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting i/c laying of earth in 6" thick layers construction of banks and dressing and disposal of surplus earth within one chain or as directed by Engineer incharge i/c providing fence guards light flanges where ever required lift upto 5' and lead upto one chain. (PISI No: 14, P-67)

7425.00 cft. @ Rs: 3000/- P%0cft. Rs: 22275/-

02. Excavation for tanks and reservoirs in wet soil / clay or mud i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting i/c laying of earth in 6" thick layers construction of banks and dressing and disposal of surplus earth within one chain or as directed by Engineer incharge i/c providing fence guards light flanges where ever required lift upto 5' and lead upto one chain. (PISI No: 14, P-52)

4950.00 cft. 0'-5' depth @ Rs: 4800/- P%0cft. Rs: 23760/-

7128.00 cft. 5'-8' depth @ Rs: 5350/- P%0cft. Rs: 38135/-

2376.00 cft. 8'-11' depth @ Rs: 5900/- P%0cft. Rs: 14018/-

02. C. C. brick or stone ballast 1 1/2" to 2" gauge Ratio 1:4:8 (CSI No: 4, P-16)

2523.00 cft. @ Rs: 9416/28 P% cft. Rs: 237573/-

04. Reinforcement cement concrete work i/c all Labour and material except the cost of steel reinforcement and its Labour for bending and binding which will paid separately. This rate also i/c all kinds of forms moulds, lifting shuttering curing rendering and finishing and exposed surface i/c screening and washing of stangle. R.C.C work in roof, slab, beams, columns, rafts, lintels & other structural members laid in situ or precast laid in position etc complete. Ratio 1:2:4 (GSI No: 6(a), P-19)

5994.87 cft. @ Rs: 337/- P.Cft. Rs: 2020271/-

05. Fabrication of M.S reinforcement for C.C i/c cutting, bending, laying in position making joints fastening i/c cost of binding wire also i/c removal of rust from bars. (GSI No: 7(ii), P-20) Tor Bars

294.39 cwt. @ Rs: 5001/70 P.Cwt. Rs: 1472450/-

06. Providing "Expansion joint" in concrete work of 9" wide corrugated PVC water stop with bulb i/c soldering cost of material & Labour. (PISI No: 2, P-56)

540.00 Rft: @ Rs: 86/- P.Rft Rs: 46440/-

07. Providing & Fixing C.I ventilators weight not less than 80 lbs; in tank roof of approved design with water inlet joint i/e painted etc complete. (PHSI No: 1, P-43)

02 Nos: @Rs: 4870/- P.each Rs: 9740/-

08. Cement Plaster 1:3, 1/2" thick upto 12' height. (GSI No: 12 P-38)

2160.00 sft. @Rs: 2283/93 P% sft. Rs: 49333/-

09. Providing & Fixing C.I manhole covers with frame i/e cost of material etc. (PHSI No:1 (i), P-23)

4.50 cwt @Rs. 6985/- P.Cwt Rs: 31433/-

10. C.I Foot Slaps (Approved Rate N.S.I)

08 Nos: @Rs: 161/50 P.each Rs: 1292/-

11. Dempo / Puddo (G.S.M.S.I No: 46, P-78)

80.00 lbs: @Rs: 56/71 P.Lb. Rs: 4537/-

12. Supplying C.I Tail Piece with one end flanged & socket at the other end for all size (PHSMI No: 9, P-10)

0.375 cwt @Rs: 6096/- P.Cwt Rs: 2286/-

13. C.C Plain i/e placing, compacting, finishing & curing complete i/e screening and washing of stone aggregate without shuttering (GSI No: 5, P-17) Ratio 1:2:4

22.50 cft. @Rs: 14429/25 P% cft. Rs: 3247/-

14. Erection & Removal of centering for R.C.C plain or C.C with partial wood 2<sup>nd</sup> class. (Vertical) (CSI No:2, P-32)

84.00 sft @Rs: 3127/41 P% sft. Rs: 2627/-

Total: - = Rs: 3979417/-

F: - Staff Quarter

01. Excavation for foundation of building, bridges & other structure i/e deg belling dressing, refilling around the structure with excavated earth watering ramming lead upto one chain and lift upto 5' in ordinary soil (CSI No:18(b), P-4)

526.68 cft. @Rs: 3176/25 P% cft. Rs: 1673/-

02. C.C. brick or stone ballast 1 1/2" to 2" gauge Ratio 1:4:8 (CSI No:4, P-16)

266.33 cft. @Rs: 9416/28 P% cft. Rs: 25078/-

03. C.C Plain i/e placing, compacting, finishing & curing complete i/e screening and washing of stone aggregate without shuttering (GSI No: 5, P-17) Ratio 1:3:6

396.02 cft. @Rs: 12595/- P% cft. Rs: 49878/-

04. Erection & Removal of centering for R.C.C plain or C.C with partial wood 2<sup>nd</sup> class. (Vertical) (CSI No:2, P-32)

776.03 sft. @Rs: 3127/41 P% sft. Rs: 24270/-



05. Filling watering ramming earth in floor with surplus earth from foundation lead upto one chain and lift upto 5' (CSI No: 21, P-4)
- 465.78 cft. @Rs: 3630/- P%cft. Rs: 1691/-
06. Pucca brick work in ground floor i/c striking of joints upto 20' height. (CSI No:5, P-25) Ratio 1:6
- 952.45 cft. @Rs: 12674/36 P%cft. Rs: 120717/-
07. Reinforcement cement concrete work i/c all Labour and material except the cost of steel reinforcement and its Labour for bending and binding which will paid separately. This rate also i/c all kinds of forms moulds, lifting shuttering curing rendering and finishing and exposed surface i/c screening and washing of shingle. R.C.C work in roof, slab, beams, columns, rafts, lintels & other structural members laid in situ or precast laid in position etc complete. Ratio 1:2:4 (CSI No:6(a), P-19)
- 269.80 cft. @Rs: 337/- P.Cft. Rs: 90923/-
08. Fabrication of M.S reinforcement for C.C i/c cutting, bending, laying in position making joints fastening i/c cost of binding wire also i/c removal of rust from bars. (CSI No:8, P-16) Using Tor bars
- 10.84 cwt. @Rs: 5001/70 P.Cwt. Rs: 54219/-
09. First class dealer wood wrought joinery in doors and windows etc fixed in position i/c chowkats hold fasts, hinges, iron tower bolts chowks, cleats handles and cards with lionics etc (CSI No:7(b), P-65) 1 3/4" thick
- 194.84 sft @Rs: 1273/76 P.sft <sup>248177/-</sup> Rs: 248173/-
10. Providing & Fixing deodar almarah 9"x12" i/c boring with lock shelves shutters brass fitting complete. (CSI No:7(b), P-65)
- 12.00 sft @Rs: 1778/50 P.sft Rs: 21342/-
11. Providing & Fixing ornamental cement Jali 2" thick (1:2:4) without steel (CSI No: 11, P-17)
- 36.00 sft @Rs: 226/02 P.sft Rs: 8137/-
12. Galvanized wire gauge fixed to chowkathas with 1/4" deodar strips and screws. (CSI No: 14 (d), P-59)
- 25.32 sft @Rs: 190/72 P.sft Rs: 4829/-
13. C. C. brick or stone ballast 1 1/2" to 2" gauge Ratio 1:4:8 (CSI No:4, P-16)
- 61.45 cft. @Rs: 9416/28 P%cft. Rs: 5787/-
14. Providing, Laying, 1" thick topping C.C 1:2:4 i/c surface finishing and dividing into panels 3" thick (CSI No:16, P-41)
- 248.00 sft. @Rs: 4411/82 P%sf. Rs: 10941/-
15. Dry brick on edge paving sand grouted i/c preparation of bed by watering ramming and bringing the same to proper camber by 1/2" thick mud plaster. (CSI No: 5, P-39)
- 380.03 sft. @Rs: 3823/57 P%sf. Rs: 14531/-
16. Cutting & Fixing iron bars for barred windows. (CSI No:18, P-91)
- 15.00 Bars @Rs: 28/23 P.Bar Rs: 423/-
17. Cement Plaster 1:6, 1/2" thick upto 12' height. (CSI No:10, P-58)
- 3258.62 sf. @Rs: 2206/60 P%sf. Rs: 71905/-

18. Primary coat of milk distemper. <u>(CSI No: 24, P-54)</u>	@Rs: 442/75	P% <u>sf</u> t.	Rs: 14428/-
3258.62 <u>sf</u> t.			
19. Distemping two coats. <u>(CSI No: 24, P-54)</u>	@Rs: 1043/90	P% <u>sf</u> t.	Rs: 34017/-
3258.62 <u>sf</u> t.			
20. Preparing surface and painting of door and window any type i/c edges <u>3 coats. (CSI No: 5, P-69)</u>	@Rs: 2116/41	P% <u>sf</u> t.	Rs: 4377/-
206.84 <u>sf</u> t.			
		Total: -	Rs: 807330/-

**G: - P.E Pipe Distribution System**

01. Dismantling & removing of road metalling <u>(CSI No: 51 P-13)</u>	@Rs: 605/-	P% <u>cf</u> t	Rs: 30628/-
5062.50 <u>cf</u> t			
02. Dismantling C.C Plain 1:2:4 <u>(CSI No: 19 (c) P-11)</u>	@Rs: 3327/50	P% <u>cf</u> t	Rs: 133100/-
4000.00 <u>cf</u> t			
03. Dismantling C.C Plain 1:4:8 <u>(CSI No: 19 (c) P-11)</u>	@Rs: 1663/75	P% <u>cf</u> t	Rs: 87846/-
5280.00 <u>cf</u> t			
04. Excavation for pipe line in trenches i/c pits in soft soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting, joints holes & disposal of surplus earth within one chain or as directed by Engineer Incharge i/c providing fence guards light flanges and temporary crossing for non vehicular traffic where ever required lift upto 5' and lead upto one chain. <u>(PHSI No: 2, P-46)</u>	@Rs: 3600/-	P% <u>cf</u> t.	Rs: 672840/-
186900.00 <u>cf</u> t			
05. Providing, Laying, Jointing & Testing P.E pipes & conet joints of class 'B' & fixing in trenches i/c cutting, fitting & jointing with rubber ring i/c testing with water to a head of 200' <u>(PHSI No: 1, P-21)</u>			
<u>12" dia (315 mm O/D)</u>	@Rs: 1635/-	P. <u>Rf</u> t	Rs: 4087500/-
2500.00 <u>Rf</u> t			
<u>10" dia (280 mm O/D)</u>	@Rs: 1313/-	P. <u>Rf</u> t	Rs: 1313000/-
1000.00 <u>Rf</u> t			
<u>8" dia (225 mm O/D)</u>	@Rs: 860/-	P. <u>Rf</u> t	Rs: 3010000/-
3500.00 <u>Rf</u> t			
<u>6" dia (160 mm O/D)</u>	@Rs: 440/-	P. <u>Rf</u> t	Rs: 528000/-
1200.00 <u>Rf</u> t			
<u>4" dia (110 mm O/D)</u>	@Rs: 224/-	P. <u>Rf</u> t	Rs: 1120000/-
5000.00 <u>Rf</u> t			
<u>3" dia (90 mm O/D)</u>	@Rs: 148/-	P. <u>Rf</u> t	Rs: 2368000/-
16000.00 <u>Rf</u> t			



06. Supplying C.I Sluice Valve heavy pattern test pressure 21.0 K.g / sq. cm or 300 lbs. / sq. inch Imported  
(PHSI No: 2 P-11)

8" dia 1x1=1 Nos:	@Rs: 17940/-	P.each	Rs: 17940/-
6" dia 1x2=2 Nos:	@Rs: 9360/-	P.each	Rs: 18720/-
4" dia 1x2=2 Nos:	@Rs: 5460/-	P.each	Rs: 10920/-
3" dia 1x2=2 Nos:	@Rs: 4290/-	P.each	Rs: 8580/-

07. Supplying C.I Short pieces. (PHSI No: 9 P-15)

8" dia 1x2=2 Nos:	@Rs: 1056/25	P.each	Rs: 2113/-
6" dia 1x4=4 Nos:	@Rs: 618/75	P.each	Rs: 2475/-
4" dia 1x4=4 Nos:	@Rs: 487/50	P.each	Rs: 1950/-
3" dia 1x4=4 Nos:	@Rs: 375/-	P.each	Rs: 1500/-

08. Supplying C.I Reducers. (PHSI No: 11 P-15)

2 Nos:	8"x6" dia	@Rs: 1218/75	P.each	Rs: 2438/-
2 Nos:	8"x4" dia	@Rs: 1137/50	P.each	Rs: 2275/-
2 Nos:	6"x3" dia	@Rs: 893/75	P.each	Rs: 1788/-
2 Nos:	6"x4" dia	@Rs: 893/75	P.each	Rs: 1788/-
2 Nos:	4"x3" dia	@Rs: 568/75	P.each	Rs: 1138/-

High Density Polyethylene Fittings (PE 100)

09. Supplying Elbow 45° (outer dia) (PHSMI No: A, P-18)

i). 8" dia (225 mm O/D)				
02 Nos:		@Rs: 5500/-	P.each	Rs: 11000/-
ii). 6" dia (160 mm O/D)				
06 Nos:		@Rs: 2784/-	P.each	Rs: 16704/-
iii). 4" dia (110 mm O/D)				
08 Nos:		@Rs: 1324/-	P.each	Rs: 10592/-
iv). 3" dia (90 mm O/D)				
08 Nos:		@Rs: 894/-	P.each	Rs: 7152/-

10. Supplying High Density P.E Equal Tee (outer dia) (PHSMI No: D, P-19)

i). 8" dia (225 mm O/D)				
01 No:		@Rs: 8249/-	P.each	Rs: 8249/-
ii). 6" dia (160 mm O/D)				
02 Nos:		@Rs: 4175/-	P.each	Rs: 8350/-
iii). 4" dia (110 mm O/D)				
04 Nos:		@Rs: 1986/-	P.each	Rs: 7944/-
iv). 3" dia (90 mm O/D)				
04 Nos:		@Rs: 1341/-	P.each	Rs: 5364/-

11. Supplying High Density P.E Elbow (Long) Radius 90° (outer dia) (PHSMI No: C, P-19)

i). 8" dia (225 mm O/D)			
01 Nos:	@Rs: 6874/-	P.each	Rs: 6874/-
ii). 6" dia (160 mm O/D)			
04 Nos:	@Rs: 3480/-	P.each	Rs: 13920/-
iii). 4" dia (110 mm O/D)			
05 Nos:	@Rs: 1655/-	P.each	Rs: 8275/-
iv). 3" dia (90 mm O/D)			
05 Nos:	@Rs: 1118/-	P.each	Rs: 5590/-

12. Supplying Butt Fusion Joints. (PHSI No: 11 P-20)

8" dia 1x6=6 Nos:	@Rs: 1800/-	P.each	Rs: 10800/-
6" dia 1x14=14 Nos:	@Rs: 1000/-	P.each	Rs: 14000/-
4" dia 1x25=25 Nos:	@Rs: 1000/-	P.each	Rs: 25000/-
3" dia 1x22=22 Nos:	@Rs: 600/-	P.each	Rs: 13200/-

13. Supplying Flange Adopter. (Approved Rate)

8" dia 1x4=4 Nos:	@Rs: 4225/-	P.each	Rs: 18900/-
6" dia 1x4=4 Nos:	@Rs: 2025/-	P.each	Rs: 8100/-
4" dia 1x4=4 Nos:	@Rs: 1215/-	P.each	Rs: 4860/-
3" dia 1x2=2 Nos:	@Rs: 675/-	P.each	Rs: 1350/-

14. Jointing C.I / M.S flanged pipes and specials flanged & inside a trench i/c supplying rubber packing of the required thickness nuts, bolts with washers etc & other tools required for jointing and testing the joints to the specified pressure etc complete. (PHSI No: 1 P-40)

8" dia 1x2=2 Joints	@Rs: 940/-	P.Joint	Rs: 1880/-
6" dia 1x4=4 Joints	@Rs: 938/-	P.Joint	Rs: 3752/-
4" dia 1x4=4 Joints	@Rs: 513/-	P.Joint	Rs: 2052/-
3" dia 1x4=4 Joints	@Rs: 499/-	P.Joint	Rs: 1996/-

15. Providing chamber 2½" x 1½" (750x750mm) in side dimension 4½" (1372mm) deep as per approval design for sluice valve 3" to 12" with 18" (457 mm) dia inside cast iron cover and frame (wt: 1 cwt: 3 qr) fixed in R.C.C 1:2:4 slab 4" (102mm) thick (with 5 lbs. steel per cft) 9" (229mm) thick brick masonry walls set in 1:6 cement mortar 6" (152mm) thick cement concrete 1:3:6 in foundation 1" (25mm) thick cement concrete 1:2:4 flooring ½" (12.50mm) thick cement plaster 1:3 to all inside wall surface and top i/c providing and fixing M.S foot rest at every one feet beyond 2½' depth curing excavation back filling and disposal of surplus earth etc complete. (PHSI No: 1, P-40)

07 Nos:	@Rs: 18820/-	P.each.	Rs: 131740/-
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16. Refilling the excavated stuff in trenches in 6" thick layers for leveling dressing i/c watering, ramming to full compaction etc complete. (PHSI No: 24, P-53)

168210.00 cft	@Rs: 2760/-	P%0cft.	Rs: 464260/-
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Total: - Rs: 1423643/-



## H: - UPVC Pipe Rising Mains

01. Excavation for pipe line in trenches i/e pits in soft soil i/e trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting, joints holes & disposal of surplus earth within one chain or as directed by Engineer Incharge i/e providing fence guards light flanges and temporary crossing for non vehicular traffic where ever required lift upto 5' and lead upto one chain. (PHSI No: 2, P-16)

11450.00 cft @Rs: 3600/- P%0cft. Rs: 41220/-

02. Providing, Laying, Jointing & Testing UPVC pipes of class 'B' (equivalent) fixing in trenches i/e cutting, fitting & jointing with "Z" joint with one rubber ring i/e testing with water to a head of 61 meters or 200' (PHSI No: 1, P-22)

250.00 Rft 10" dia @Rs: 721/- P.Rft Rs: 180250/-

750.00 Rft 8" dia @Rs: 402/- P.Rft Rs: 301500/-

700.00 Rft 6" dia @Rs: 262/- P.Rft Rs: 183400/-

03. Supplying C.I Tees (Equal). (PHSMI No: 5, P-14)

10" dia 1x2=2 Nos: @Rs: 6987/50 P.each Rs: 13975/-

8" dia 1x2=2 Nos: @Rs: 5250/- P.each Rs: 10500/-

6" dia 1x2=2 Nos: @Rs: 1950/- P.each Rs: 3900/-

04. Supplying C.I Bend 90°. (PHSMI No: 1, P-13)

10" dia 1x1=1 No: @Rs: 6662/50 P.each Rs: 6663/-

8" dia 1x1=1 No: @Rs: 3312/50 P.each Rs: 3313/-

6" dia 1x1=1 No: @Rs: 2212/50 P.each Rs: 2213/-

05. Supplying C.I Tees (Un-Equal). (PHSMI No: 5, P-14)

8"x10" dia 1x1=1 No: @Rs: 4037/50 P.each Rs: 4038/-

6"x8" dia 1x1=1 No: @Rs: 3687/50 P.each Rs: 3688/-

06. Supplying C.I Reducers. (PHSMI No: 4, P-16)

8"x10" dia 1x1=1 No: @Rs: 2075/- P.each Rs: 2075/-

6"x8" dia 1x1=1 No: @Rs: 1218/75 P.each Rs: 1219/-

07. Supplying C.I Gibault Joints. (PHSMI No: 14, P-17)

10" dia 1x2=2 Nos: @Rs: 2356/25 P.each Rs: 4713/-

8" dia 1x2=2 Nos: @Rs: 1381/25 P.each Rs: 2763/-

6" dia 1x2=2 Nos: @Rs: 1062/50 P.each Rs: 2125/-

08. Supplying C.I Sluice Valve heavy pattern test pressure 21.0 K.g /sq. cm or 300 lbs. /sq. inch Imported (PHSI No: 2 P-11)

10" dia 1x1=1 No: @Rs: 27690/- P.each Rs: 27690/-

09. Making jointing to PVC specials fitting  $\frac{1}{8}$  laying & required diameter and testing the joints alongwith A.C pressure pipe line to specified pressure and testing the all leaky joints etc complete. (PHSI No:1,P-49)

10" dia 1x7=7 Joints	@Rs: 72/-	P.Joint	Rs: 504/-
8" dia 1x5=5 Joints	@Rs: 72/-	P.Joint	Rs: 360/-
6" dia 1x5=5 Joints	@Rs: 72/-	P.Joint	Rs: 360/-

10. Providing chamber  $2\frac{1}{2}' \times 1\frac{1}{2}'$  (750x750mm) in side dimension  $4\frac{1}{2}'$  (1372mm) deep as per approval design for sluice valve 3" to 12" with 18" (457 mm) dia inside cast iron cover and frame (wt: 1 cwt: 3 qr.) fixed in R.C.C 1:2:4 slab 4" (102mm) thick (with 5 lbs. steel per cft) 9" (229mm) thick brick masonry walls set in 1:6 cement mortar 6" (152mm) thick cement concrete 1:3:6 in foundation 1" (25mm) thick cement concrete 1:2:4 flooring  $\frac{3}{8}"$  (12.50mm) thick cement plaster 1:3 to all inside wall surface and top  $\frac{1}{8}$  providing and fixing M.S foot rest at every one feet beyond  $2\frac{1}{2}'$  depth curing excavation back filling and disposal of surplus earth etc complete. (PHSI No:1,P-40)

01 Nos:	@Rs: 18820/-	P.each.	Rs: 18820/-
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11. Refilling the excavated stuff in trenches in 6" thick layers for leveling dressing  $\frac{1}{8}$  watering, ramming to full compaction etc complete. (PHSI No:24,P-53)

10305.00 cft	@Rs: 2760/-	P%0cft.	Rs: 28442/-
Total: -			Rs: 843731/-

**I. PUMPING MACHINERY.**

**a. ELECTRIC PUMPING SET 40 BHP.**

1. Supplying & installing in position  $\frac{1}{8}$  transportation to site of work Mirokhan Town, A.C Electric Pumping set consisting of A.C electric Motor of (SIEMENS made) of 40 BHP 3 phase 50 cycles 400/420 volts of 2900 RPM (Siemens made) (type ILA7-130-2AA 60) coupled with (KSB Centrifugal pump Type (ETA-80-200) size 4"x3" mounted on common steel frame or base plate capable of discharging 510 gallons per minute against a head of 165 ft  $\frac{1}{8}$  installing of pumping set on cement concrete foundation (1:2:4) with M.S nuts bolts of  $\frac{5}{8}"$  to be embedded in C.C foundation  $\frac{1}{8}$  providing and fixing on prepared board A.C 50 cycles 3 phase 12-25 amps: trip rating push button type oil amereed start delta starter complete with no volts and over lead release as required  $\frac{1}{8}$  providing & fixing on prepared board iron (clad) triple pole and neutral switch fuse with rewire able type fuse link carrier 500 volts grade 30 amps: and amps: meter 0-50 installed on metal board  $\frac{1}{8}$  providing & fixing Metallised board to accommodate main or sub-main control switches recessed in the wall size 3"x2  $\frac{1}{2}"$   $\frac{1}{8}$  providing phase indicators bulbs with holders and providing internal electric wiring 660 volts grade in 25 mm (1") PVC conduit on surface as required  $\frac{1}{8}$  providing and fixing earthing set with 0.6Mx0.6Mx5.3MM(2"x2"x  $\frac{3}{8}"$ ) copper plate buried in the ground at depth of 3.7M(12") or less as per Pak PWD specification and testing for the pumping set against the required head of 72 hours etc complete. (R.A Approved)

Qty: 03 sets	@Rs: 577000/-	P.Set.	Rs: 17,31,000/-
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**b. 7.50 BHP TURBINE**

1. Supplying & installing in position  $\frac{1}{8}$  transportation to site of work Mirokhan Town, KSB Pump stainless steel deep well Turbine pump type DP 17-6 + 7.50 BHP A.C electric Motor of (SIEMENS made) 3 phase 400 volts, 50 HZ, 2900 RPM 2 pole with suction discharge top set 3" dia x 1 No: pump head 3" out let with mechanical seal, bowl assembly suction pipe 1.6m 3" dia, column pipe assembly 3" dia x 5 Nos: capable given discharge 70 GPM against the head of 160' and pump setting depth 60'  $\frac{1}{8}$  C.C foundation, earthing attached set with 0.6Mx0.6Mx6.33MM(2"x2"x  $\frac{3}{8}"$ ) G.I plate buried in the depth of 3.7M(12") or less as per Pak PWD specification and providing & fixing Motor Control Unit consisting metallic base circuit breaker, ampere meter, volt meter magnetic conductor, on / off switch, electronic over current relay and indications lamps  $\frac{1}{8}$  providing internal electric wiring for main & testing for the pumping set against the required head of 72 hours etc complete. (R.A Approved)

Qty: 10 sets	@Rs: 1052300/-	P.Set.	Rs: 10523000/-
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Total: - Rs. 12254000/-



**J: - Inter Connection for Tube Well (Pumping Machinery)**

01. Supplying P.E (HDPE-100) P.N 10 (3/4" dia 90 mm) (PHSI No: (F) 1 P-25)				
20.00 rft	4" dia	@Rs: 268/-	P.rft	Rs: 5360/-
02. Manufacturing & installing M.S flange 3" dia made out M.S sheet cutting drilling hole etc complete (R.A Based on Schedule Rates)				
4" dia 1x4=04 Nos:		@Rs: 596/75	P.each	Rs: 2387/-
03. Supplying C.I bend 90° with flanged ends with holes i/c turning and facing of flanges (PHSMI No:9, P-11)				
0.26 cwt		@Rs: 6096/-	P.cwt	Rs: 1585/-
04. Supplying C.I Taper flat bottom or central bottomed flanged ends with holes i/c turning and facing of flanges all size (PHSMI No: 9, P-10)				
0.26 cwt		@Rs: 6096/-	P.Cwt	Rs: 1585/-
05. Supplying Reflex Valve heavy pattern test pressure 300 lbs: / sq: inch imported (PHSMI No: 6, P-10)				
4" dia 1x1=1 No:		@Rs: 1706/25	P.each	Rs: 1706/-
06. Supplying Butt Fusion Joints, (PHSI No: 11, P-20)				
4" dia 1x8=8 Nos:		@Rs: 1000/-	P.each	Rs: 8000/-
07. Supplying Flange Adopter. (Approved Rate)				
4" dia 1x8=8 Nos:		@Rs: 1215/-	P.each	Rs: 9720/-
08. Jointing C.I M.S. flanged pipe and specials flanged ends inside trenches i/c supply rubber packing of required thickness- nuts bolts with washers and other tools required for jointing and testing the joints to the specified pressure etc complete (PHSI No.1 Page-33).				
4" dia 8 Joints		@Rs: 513/-	P.Joint	Rs: 4104/-
			<b>Total: -</b>	<b>Rs: 34337/-</b>
			For 10 Nos: 34337/- x 10 =	<b>Rs: 343370/-</b>

**K: - Inter Connection for Clear Water Tank (Pumping Machinery)**

01. Supplying P.E (HDPE-100) P.N 10 (3/4" dia 90 mm) (PHSI No: (F) 1 P-25)				
66.00 rft	4" dia	@Rs: 268/-	P.rft	Rs: 17688/-
28.00 rft	6" dia	@Rs: 530/-	P.rft	Rs: 14840/-
02. Supplying C.I bend 90° with flanged ends with holes i/c turning and facing of flanges (PHSMI No:9, P-11)				
1.20 cwt		@Rs: 6096/-	P.cwt	Rs: 7315/-
03. Supplying Reflex Valve heavy pattern test pressure 300 lbs: / sq: inch imported (PHSMI No: 6, P-10)				
6" dia 1x3=3 Nos:		@Rs: 4062/50	P.each	Rs: 12188/-
04. Supplying C.I. Sluice Valve heavy pattern test pressure 21.0 K. p/ cm or 300 lbs: / sq: inch (Imported) (PHSMI No:2, P-9)				
6" dia 1x3=3 Nos:		@Rs: 9360/-	P.each	Rs: 28080/-
05. Manufacturing & installing M.S flange 3" dia made out M.S sheet cutting drilling hole etc complete (R.A Based on Schedule Rates)				
4" dia 3x4=12 Nos:		@Rs: 596/75	P.each	Rs: 7161/-
6" dia 1x14=14 Nos:		@Rs: 804/77	P.each	Rs: 11267/-
06. C.I Tee flange ends with hole i/c turning & facing of flanges or all size (SMI No:12, P-12)				
0.53 Cwt		@Rs: 6096/-	P.Cwt	Rs: 3231/-
07. Supplying Foot Valve Check valve heavy pattern with cone type gate (PHSI No: 2, P-9)				
03 Nos:	4" dia	@Rs: 893/75	P.each	Rs: 2681/-

08. Supplying C.I Taper flat bottom or central bottomed flanged ends with holes etc turning and facing of flanges all size (PIISI No: 9, P-10)

0.40 cwt @Rs: 6096/- P.Cwt Rs: 2438/-

09. Supplying Flange Fusion Joints. (PIISI No: 11, P-20)

6"dia 1x14=14 Nos: @Rs: 1000/- P.each Rs: 14000/-

4"dia 1x12=12 Nos: @Rs: 1000/- P.each Rs: 12000/-

10. Supplying Flange Adaptor. (Approved Rate)

6"dia 1x14=14 Nos: @Rs: 2025/- P.each Rs: 28350/-

4"dia 1x12=12 Nos: @Rs: 1215/- P.each Rs: 14580/-

11. Jointing C.I. M.S. flanged pipe and specials flanged ends inside trenches i/o supply rubber packing of required thickness nuts belts with washers and other tools required for jointing and testing the joints to the specified pressure etc complete ( PIISI No.1 Page-33)

4"dia 12 Joints @Rs: 513/- P.Joint Rs: 6156/-

6"dia 14 Joints @Rs: 938/- P.Joint Rs: 13132/-

Total: - Rs: 195107/-

### GENERAL ABSTRACT OF COST

	Schedule Items	Non Sch: Items	G. Total
01. Tube Well: 05 Nos:	Rs: 8,11,750/- ✓	Rs: -	Rs: 8,11,750/-
02. Pump House 3'x8' 07 Nos:	Rs: 9,84,193/- ✓	Rs: -	Rs: 9,84,193/-
03. Pump House 19.50'x11.62' 01 No:	Rs: 2,82,374/- ✓	Rs: -	Rs: 2,82,374/-
04. Compound Wall 110x80	Rs: 6,68,368/- ✓	Rs: -	Rs: 6,68,368/-
05. Clear Water Tank 50'x40'	Rs: 39,78,125/- ✓	Rs: 1,292/-	Rs: 39,79,417/-
06. Staff Quarter 2 Roomed 01 No:	Rs: 8,07,339/- ✓	Rs: -	Rs: 8,07,339/-
07. P.E Pipe Diam: System	Rs: 14203233/- ✓	Rs: 33,210/-	Rs: 14236443/-
08. UPVC Pipe Rising Main	Rs: 8,43,731/- ✓	Rs: -	Rs: 8,43,731/-
09. Pumping Machinery	Rs: 2,57,222/- ✓	Rs: 12254000/-	Rs: 12254000/-
10. Inter Connection Tube wells	Rs: 2,22,300/- ✓	Rs: 1,21,070/-	Rs: 3,43,370/-
11. Inter Connection C.W.T	Rs: 1,33,740/- ✓	Rs: 61,358/-	Rs: 1,95,107/-
Total: -	Rs: 2,29,35,061/- 2,29,35,061/-	Rs: 1,24,70,930/- 1,24,70,930/-	Rs: 35,40,5991/- 35,40,5991/-

Amount to be added/ deducted on the

33.25 % above/ below on the rates CSR

Amount to be added/ deducted on the

Basis of premium quoted Total (b)

+ Total (A) a+b in words & figure: 43032033/-

CONTRACTOR

Executive Engineer  
Public Health Engg: Division  
Kamber Shahdardkot @ Kamber



## BID EVALUCATION REPORT

01. Name of Procuring Agency :- Public Health Engineering Department,  
Government of Sindh
02. Tender Reference Number :- No.PD/NIT/74 dated: 16/09/2014
03. Tender Description /  
Name of Work / Item :- Construction of Various Disposal Works comprising on  
Collecting Tanks, Screening Chambers, Pump Houses,  
Pumping Machinery, Rising Mains and Main RCC Nalus  
for Improvement & Extension of Drainage Scheme Larkana City.
04. Method Procurement :- (single stage one envelop) Procurement
05. Tender Published :- SPPRA Website No.21437 18/09/ 2014.
06. Total Bid Documents Issued :- 03 Nos.
07. Total Bid Received :- 03 Nos.
08. Technical Bid Opening date :- Not Applicable  
(If Applicable)
09. Bid Opening date :- 03/10/2014  
(If Applicable)
10. Bid(s) Rejected :- --Nil--  
(If Applicable)
11. Financial Bid Opening date :- 03/10/2014
12. Bid Evaluation Report :-

S.No:	Name of Firm or Bidder	Cost offered By the Bidder	Ranking in terms of cost	cost Comparison with Estimated	Reasons for acceptance / rejection	Remarks
0	01	02	03	04	05	06
1.	M/s. Muhammad Iqbal Shaikh & Co	532,236,220.00	1 <sup>st</sup> lowest	9.03% Above	Responsive	Recommended for award of work.
2.	M/s. Crescent Construction Co	540,201,202.00	2 <sup>nd</sup> lowest	10.66% Above	Qualified as per evaluation criteria	Responsive
3.	M/s Fazal Karim & Co	612,924,956.00	3 <sup>rd</sup> lowest	25.56% Above	Qualified as per evaluation criteria	Responsive

Signature of the Members of the Committee

  
(Ijaz Ali Samo)  
Divisional Accounts Officer  
Public Health Engg. Division  
Larkano I  
Member

  
(Abdul Wahab Sahtio)  
Executive Engineer  
Public Health Engg: Division  
Larkano I  
Member

  
(Khalid Ahmed Shaikh)  
Executive Engineer  
Education Works  
Larkano  
Member

  
(Muhammad Sadiq Narejo)  
Superintending Engineer  
Public Health Engg: Circle  
Larkano  
Member

  
(Dr. Saeed Ahmed Manguejo)  
Project Director/  
Commissioner Larkano Division  
Larkano  
Chairmen


## BID EVALUCATION REPORT

01. Name of Procuring Agency :- Public Health Engineering Department,  
Government of Sindh
02. Tender Reference Number :- No.PD/NIT/74 dated: 16/09/2014
03. Tender Description /  
Name of Work / Item :- Construction of Water Works, Comprising on Tube Wells  
Storage, Cum Settling Tanks, Clear Water Tank,  
Pumping Machinery, Pump House, Compound Wall,  
P.E Rising Mains & Distribution System for Extension  
& Rehabilitation of Existing Water Supply Shabdadkot.
04. Method Procurement :- (single stage one envelop) Procurement
05. Tender Published :- SPPRA Website No.21437 18/09/ 2014.
06. Total Bid Documents Issued :- 04 Nos:
07. Total Bid Received :- 03 Nos:
08. Technical Bid Opening date :- Not Applicable  
(If Applicable)
09. Bid Opening date :- 03/10/2014  
(If Applicable)
10. Bid(s) Rejected :- --Nil--  
(If Applicable)
11. Financial Bid Opening date :- 03/10/2014
12. Bid Evaluation Report :-

S.No:	Name of Firm or Bidder	Cost offered By the Bidder	Ranking in terms of cost	Cost Comparison with Estimate	Reasons for acceptance / rejection	Remarks
0	01	02	03	04	05	06
1.	M/s. Muhammad Iqbal Shaikh & Co	348,022,522.00	1 <sup>st</sup> lowest	8.91% Above	Responsive	Recommended for award of work.
2.	M/s. Crescent Construction Co	363,160,311.00	2 <sup>nd</sup> lowest	13.65% Above	Qualified as per evaluation criteria	Responsive
3.	M/s Fazal Karim & Co	383,584,313.00	3 <sup>rd</sup> lowest	20.04% Above	Qualified as per evaluation criteria	Responsive

Signature of the Members of the Committee

  
(Bashir Ahmed Karlo)  
Divisional Accounts Officer  
Public Health Engg; Division  
Kamber-Shabdadkot  
Member

  
(Abdullah Sanghi)  
Executive Engineer  
Public Health Engg; Division  
Kamber-Shabdadkot  
Member

  
(Khalil Ahmed Shaikh)  
Executive Engineer  
Education Works  
Larkano  
Member

  
(Muhammad Saif Narejo)  
Superintending Engineer  
Public Health Engg; Circle  
Larkano  
Member

  
(Dr. Saeed Ahmed Mangrojo)  
Project Director/  
Commissioner Larkano Division  
Larkano  
Chairman




## BID EVALUCATION REPORT

01. Name of Procuring Agency :- Public Health Engineering Department,  
Government of Sindh
02. Tender Reference Number :- No.PD/NIT/74 dated: 16/09/2014
03. Tender Description /  
Name of Work / Item :- Construction Of Water Works, Comprising On Tube Wells  
/c Pumping Machinery, Piping, Pump House, Clear Water  
Tank, Compound Wall, for I & E of Water Supply Mirokhan.
04. Method Procurement :- (single stage one envelop) Procurement
05. Tender Published :- SPPRA Website No.21437 18/09/ 2014.
06. Total Bid Documents Issued :- 04 Nos.
07. Total Bid Received :- 04 Nos.
08. Technical Bid Opening date :- Not Applicable  
(If Applicable)
09. Bid Opening date :- 03/10/2014  
(If Applicable)
10. Bid(s) Rejected :- --Nil--  
(If Applicable)
11. Financial Bid Opening date :- 03/10/2014
12. Bid Evaluation Report :-

S.No:	Name of Firm or Bidder	Cost offered By the Bidder	Ranking in terms of cost	Cost Comparison with Estimate	Reasons for acceptance / rejection	Remarks
0	01	02	03	04	05	06
1.	M/s. Muhammad Iqbal Shaikh & Co	43,047,563.00	1 <sup>st</sup> lowest	16.45% Above	Responsive	Recommended for award of work.
2.	M/s. Crescent Construction Co	43,564,581.00	2 <sup>nd</sup> lowest	17.85% Above	Qualified as per evaluation criteria	Responsive
3.	M/s Fazal Karim & Co	45,977,330.00	3 <sup>rd</sup> lowest	24.38% Above	Qualified as per evaluation criteria	Responsive
4.	Mr. Abdul Manan Chardio	46,436,901.00	4 <sup>th</sup> lowest	25.62% Above	Qualified as per evaluation criteria	Responsive

Signature of the Members of the Committee:

  
(Bashir Ahmed Kartio)  
Divisional Accounts Officer  
Public Health Engg. Division  
Kamber-Shahdadkot  
Member

  
(Abdullah Sangi)  
Executive Engineer  
Public Health Engg. Division  
Kamber-Shahdadkot  
Member

  
(Khalil Ahmed Shaikh)  
Executive Engineer  
Education Works  
Larkano  
Member

  
(Muhammad Sadiq Nurejo)  
Superintending Engineer  
Public Health Engg. Circle  
Larkano  
Member

  
(Dr. Saeed Ahmed Mangnejo)  
Project Director/  
Commissioner Larkano Division  
Larkano  
Chairman

MINUTES OF THE MEETING OF PROCUREMENT COMMITTEE HELD ON  
3<sup>RD</sup> OCTOBER 2014 IN THE OFFICE OF THE PROJECT DIRECTOR/  
COMMISSIONER, LARKANO DIVISION, LARKANO, REGARDING OPENING  
OF TENDERS OF "IMPROVEMENT OF WATER SUPPLY, SEWERAGE AND  
DRAINAGE SCHEMES OF DISTRICT LARKANA & KAMBER-SHAHDADKOT.

Following attended the meeting.

1. Project Director/Commissioner, Larkano	Chairman
2. Superintending Engineer, PHE Circle Larkano	Member
3. Executive Engineer, Education Works Larkano	Member
4. Executive Engineer, PHED-I, Larkano	Member
5. Divisional Accounts Officer, PHED-I, Larkano	Member
6. Executive Engineer, PHED Kamber-Shahdaddkot	Member
7. Divisional Accounts Officer, PHED Kamber-Shahdaddkot	Member

At the outset, the meeting was held in the office of Commissioner, Larkano Division, Larkano regarding opening of following tenders.

1. Construction of various Disposal Works comprising on Collecting Tanks, Screening Chambers, Pump Houses, Pumping Machinery, Rising Mains & Main RCC Nalas for "Improvement & Extension of Drainage Scheme Larkana City".
2. Construction Of Water Works, Comprising On Tube Wells i/c Pumping Machinery, Piping, Pump House, Clear Water Tank, Compound Wall, for "Improvement & Extension of Water Supply Scheme Mirokhan".
3. Construction of Water Works, Comprising on Tube Wells Storage, Cum Settling Tanks, Clear Water Tank, Pumping Machinery, Pump House, Compound Wall, P.E Rising Mains & Distribution System for "Extension & Rehabilitation of Existing Water Supply Scheme Shahdaddkot".

Empty tender box, after inspection by all members of committee and participating bidders/ representatives was sealed for submitting bids in it. Then the bidders were allowed to submit/ insert enveloped bids in the tender box. Interested bidders submitted their enveloped bids, in presence of all members and representatives.

The box was opened at 1.00 P.M by the Procurement Committee members, in presence of interested bidders/ representatives. Ten (10) enveloped packets in total, regarding all abovementioned works were found from the box, against the eleven (11) issued Bidding Documents in total.

The envelopes were opened and bidding documents were drawn out of them. Out of which three bids were for the work at S.No.1, three for the work at S.No.2 and four for the work at S.No.3 mentioned above.

The names of bidders along with rates quoted and total amount of bid offered by them were read aloud by the Project Director. The rates quoted were also encircled by the Project Director & signed by all members of Procurement Committee.

The meeting was ended with the vote of thanks to and from the chair.

*(Handwritten signatures and initials)*  
XEN PHED Circle I  
PHED Larkano  
XEN  
PHED Larkano  
PHED Larkano  
PHED Larkano

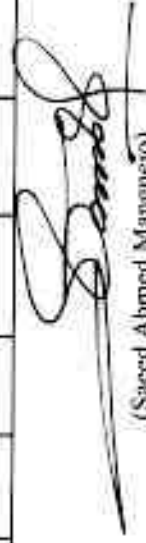


Office of the Project Director/ Commissioner, Larkano

"Improvement of Water Supply, Sewerage and Drainage Schemes of District Larkana & Kamber-Shahdaddock"

Annual Procurement Plan  
(Works, Goods & Services)

Sr. No	Description of Procurement	Quantity (Where applicable)	Estimated Unit Cost (Where applicable) Millions	Funds allocated (1000 Million)	Source of Funds (ADPs Non ADPs)	Proposed Procurement Method	Timing of Procurements				Remarks
							1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	
01	Improvement & Extension of DS Larkana City.	—	829.400 Million	25.000	ADP (CM Directives)	National Open Competitive Bidding Among Prequalified Bidders	—	—	200.000 M	200.000 M	Additional funds amounting to Rs. 375.0 M are demanded
02	Extension & Rehabilitation of Existing WSS Shahdaddock.	—	456.919 Million	5.000	ADP (CM Directives)	National Open Competitive Bidding Among Prequalified Bidders	—	—	128.45 M	100.000 M	Additional funds amounting to Rs. 223.45 M are demanded
03	Improvement & Extension of WSS Miro Khan	—	49.530 Million	2.50	ADP (CM Directives)	National Open Competitive Bidding Among Prequalified Bidders	—	—	25.00 M	24.530 M	Additional funds amounting to Rs. 47.030 M are demanded



(Saeed Ahmed Manghejo)  
Project Director/ Commissioner  
Larkano Division  
Larkano



OFFICE OF THE  
PROJECT DIRECTOR / COMMISSIONER  
LARKANO DIVISION  
LARKANO

No. PD/NIT/ 84  
Larkano dated:

/of/2014  
25- /November/2014

The Director,  
Government of Sindh,  
Sindh Public Procurement Regulatory Authority,  
Karachi.

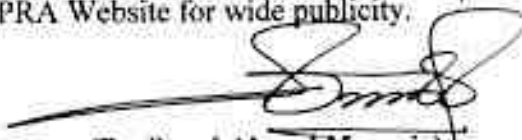
Subject: Bid Evaluation Report.

Reference: This office NIT No.PD/NIT/74, dated 16<sup>th</sup> September 2014.

The Bids invited vide referenced NIT were received back and opened on dated 03/10/2014 and evaluated by the Prequalification Committee.

The Bid Evaluation Report in respect of works along with the attendance sheet of Prequalification members and interested intending bidders who took part in competition are enclosed herewith for information and hoisting on the SPPRA Website for wide publicity.

DA/As above

  
(Dr. Saeed Ahmed Magnejo)  
Project Director/ Commissioner  
Larkano Division  
Larkano

SPPRA INWARD DIARY

NO:

8266

DATED:

28-11-14.

For Review.





OFFICE OF THE  
PROJECT DIRECTOR / COMMISSIONER  
LARKANO DIVISION  
LARKANO

No. PD/NIT/ 84  
Larkano dated:

/of/2014  
25 /November/2014

The Director,  
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Sindh Public Procurement Regulatory Authority,  
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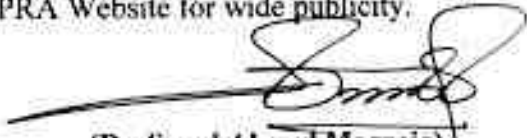
Subject: Bid Evaluation Report.

Reference: This office NIT No.PD/NIT/74, dated 16<sup>th</sup> September 2014.

The Bids invited vide referenced NIT were received back and opened on dated 03/10/2014 and evaluated by the Prequalification Committee.

The Bid Evaluation Report in respect of works along with the attendance sheet of Prequalification members and interested intending bidders who took part in competition are enclosed herewith for information and hoisting on the SPPRA Website for wide publicity.

DA/As above

  
(Dr. Saeed Ahmed Magnejo)  
Project Director/ Commissioner  
Larkano Division  
Larkano

SPPRA INWARD DIARY

NO:

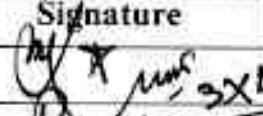
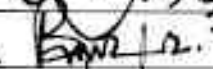
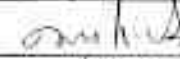
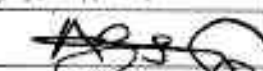
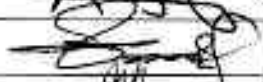

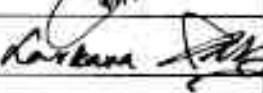
8266

DATED:

28-11-14

Fax Review.

ATTENDENCE SHEET OF THE TENDER OPENING COMMITTEE VIDE  
 NIT NO. PD/NIT/74 DATED 16<sup>th</sup> SEPTEMBER 2014 AND OPENED ON 03<sup>rd</sup>  
 OCTOBER 2014 AT 1.0 PM IN THE OFFICE OF PROJECT DIRECTOR/  
 COMMISSIONER, LARKANO DIVISION, LARKANO

S.No.	Name Of Officer	Designation	Signature
1.	Intiaz Ali Samo	DAO, PHE LK.	
2.	Bashir Ahmed Kartar	DAO PHE Kartar.	
3.	Abdul Wahab Sahib	XEN PHE Dhu	
4.	Abdullah Sangi	XEN PHE Kartar	
5.	Dr. Ishtiaq Ahmad	Commissioner / PD	
6.	KHALIL KHAN	XEN ED WORK LARK	
7.	M. Sadiq Navejo	S.E PHE Circle Kartar	



## BID EVALUCATION REPORT

S/N: 1903  
ADD: 1903

01. Name of Procuring Agency :- Public Health Engineering Department,  
Government of Sindh
02. Tender Reference Number :- No.PD/NIT/74 dated: 16/09/2014
03. Tender Description /  
Name of Work / Item :- Construction of Various Disposal Works comprising on  
Collecting Tanks, Screening Chambers, Pump Houses,  
Pumping Machinery, Rising Mains and Main RCC Nalas  
for Improvement & Extension of Drainage Scheme Larkana City.
04. Method Procurement :- (single stage one envelop) Procurement
05. Tender Published :- SPPRA Website No.21437 18/09/ 2014.
06. Total Bid Documents Issued :- 03 Nos:
07. Total Bid Received :- 03 Nos:
08. Technical Bid Opening date :- Not Applicable  
(If Applicable)
09. Bid Opening date :- 03/10/2014  
(If Applicable)
10. Bid(s) Rejected :- --Nil--  
(If Applicable)
11. Financial Bid Opening date :- 03/10/2014
12. Bid Evaluation Report :-

S.No:	Name of Firm or Bidder	Cost offered By the Bidder	Ranking in terms of cost	cost Comparison with Estimated	Reasons for acceptance / rejection	Remarks
01	02	03	04	05	06	07
1.	M/s. Muhammad Iqbal Shaikh & Co	532,236,220.00	1 <sup>st</sup> lowest	33.70% Above	Responsive	Recommended for award of work.
2.	M/s. Crescent Construction Co	540,201,202.00	2 <sup>nd</sup> lowest	36% Above	Qualified as per evaluation criteria	Responsive
3.	M/s Fazal Karim & Co	612,924,956.00	3 <sup>rd</sup> lowest	57% Above	Qualified as per evaluation criteria	Responsive:

Signature of the Members of the Committee

  
(Imroz Ali Samo)  
Divisional Accounts Officer  
Public Health Engg; Division  
Larkano I  
Member

  
(Abdul Wahab Sahtio)  
Executive Engineer  
Public Health Engg; Division  
Larkano I  
Member

  
(Khalil Ahmed Shaikh)  
Executive Engineer  
Education Works  
Larkano  
Member

  
(Muhammad Sadiq Narejo)  
Superintending Engineer  
Public Health Engg; Circle  
Larkano  
Member

  
(Dr. Saeed Ahmed Mangnejo)  
Project Director/  
Commissioner Larkano Division  
Larkano  
Chairmen

## COMPARATIVE STATEMENT

**Name of Work** Construction of Various Disposal Works comprising on Collecting Tanks, Screening Chambers, Pump Houses, Pumping Machinery, Rising Mains and Main RCC Nalas for Improvement & Extension of Drainage Scheme Larkana City.

NIT No./PD/NIT/74  
dated 9/16/2014

Corrigendum  
No./PD/NIT/79 dated 9/30/2014

Issuing Period 17/09/2014 to 02/10/2014

**Sanctioned by** Chief Engineer Public Health Engg. Department, Government of Sindh, Sukkur

**Vide No** DH/DWE/2494

**Dated:** 19/09/2014

**Estimated Cost Rs.**

**488,145,856.0** Date of Opening:-

10/3/2014

Estimated Cost	ITEM	NAME OF CONTRACTORS		
		Rate quoted by Muhammadd Iqbal Sharh & Co 33.70% above Sch item	Rate quoted by Crescent Construction Co. 36.00% above Sch item	Rate quoted by Fazal Kareem & Co 57.00% above Sch item
Sch:Item 346,303,587.0	Schedule Items	346,303,587.00	346,303,587.00	346,303,587.00
Non Sch:Item 69,228,324.0	Non Schedule Items	69,228,324.00	69,228,324.00	69,228,324.00
Cartage 72,613,945.0	Contractor quoted rate	116,704,309.00	124,669,291.00	197,393,045.00
Contractor Profit -	Tentative tender Cost	532,236,220.00	540,201,202.00	612,924,956.00
	Less Est:Cost	488,145,856.00	488,145,856.00	488,145,856.00
	DIFF:	44,090,364.00	52,055,346.00	124,779,100.00
Est:Cost. 488,145,856.0	%age above Estimate	9.03%	10.66%	25.56%

**Note 1** The rate quoted by Muhammad Iqbal Sharh & Co Government Contractor at 33.70% above the schedule of rates which comes to Rs.9.03% above the Estimated cost and is found lowest evaluated in competition, hence recommended for approval.

**Note 2** Three contractors purchased Bidding Documents, out of which all three have participated in competition.

(Iqbal Ali Samio)  
Divisional Accounts Officer  
Public Health Engg. Division  
Larkano I

(Abdul Wahab Sahito)  
Executive Engineer  
Public Health Engg. Division  
Larkano I

(Khalid Ahmed Shaikh)  
Executive Engineer  
Education Works  
Larkano

(Muhammad Saif Karjo)  
Superintending Engineer  
Public Health Engg. Circle  
Larkano

(Dr. Saeed Ahmed Mangrejio)  
Project Director  
Commissioner  
Larkano



## COMPARATIVE STATEMENT

**Name of Work** Construction of Various Disposal Works comprising on Collecting Tanks, Screening Chambers, Pump Houses, Pumping Machinery, Rising Mains and Main RCC Nalags for Improvement & Extension of Drainage Scheme Larkana City.

NIT No./PD/NIT/74  
dated 9/16/2014  
Corrigendum  
No./PD/NIT/78 dated 9/30/2014

**Sanctioned by** Chief Engineer Public Health Engg. Department, Government of Sindh, Sukkur

Issuing Period 17/09/2014 to 02/10/2014

**Yide No** DB/DWE/2494

**Dated:** 19/09/2014

**Estimated Cost Rs.**

**488,145,856.0** Date of Opening:-

10/3/2014

Estimated Cost	ITEM	NAME OF CONTRACTORS		
		Rate quoted by Muhammadi Iqbal Shaikh & Co 33.70% above Sch item	Rate quoted by Crescent Construction Co. 36.00% above Sch item	Rate quoted by Fazal Kareem & Co 57.00% above Sch item
Sch:Item 346,303,587.0	Schedule Items	346,303,587.00	346,303,587.00	346,303,587.00
Non Sch:Item 69,228,324.0	Non Schedule Items	69,228,324.00	69,228,324.00	69,228,324.00
Cartage 72,613,945.0	Contractor quoted rate	116,704,309.00	124,669,291.00	197,393,045.00
Contractor Profit -	Tentative tender Cost	532,236,220.00	540,201,202.00	612,924,956.00
	Less Est:Cost	488,145,856.00	488,145,856.00	488,145,856.00
	DIF:	44,090,364.00	52,055,346.00	124,779,100.00
<b>Est:Cost. 488,145,856.0</b>	%age above Estimate	9.03%	10.66%	25.56%

**Note 1** The rate quoted by Muhammad Iqbal Shaikh & Co Government Contractor at 33.70% above the schedule of rates which comes to Rs.9.03% above the Estimated cost and is found lowest evaluated in competition, hence recommended for approval.

**Note 2** Three contractors purchased Bidding Documents, out of which all three have participated in competition.

(Iqbal Ali Sami)  
Divisional Accounts Officer  
Public Health Engg. Division  
Larkana I

(Abdul Wahab Sahito)  
Executive Engineer  
Public Health Engg. Division  
Larkana I

(Khalid Ahmed Shaikh)  
Executive Engineer  
Education Works  
Larkana

(Muhammad Saif Karjo)  
Superintending Engineer  
Public Health Engg. Circle  
Larkana

(Dr. Saeed Ahmed Mangrejio)  
Project Director/  
Commissioner  
Larkana

## COMPARATIVE STATEMENT

**Name of Work** Construction of Water Works, Comprising on Tube Wells Storage, Cum Settling Tanks, Clear Water Tank, Pumping Machinery, Pump House, Compound Wall, P.E Rising Mains & Distribution System for Extension & Rehabilitation of Existing Water Supply Shahdadkot.

NIT No. PD/NIT/74  
dated 9/16/2014  
Corrigendum  
No. PD/NIT/78 dated 9/30/2014

Sanctioned by Chief Engineer Public Health Engrg. Department, Government of Sindh, Sukkur

Issuing Period 17/09/2014 to 02/10/2014

Vide No DHE/DWE/2490

Dated: 18/09/2014

Estimated Cost Rs. -

319,555,110.00

Date of Opening:- 10/3/2014

Estimated Cost.	ITEM	NAME OF CONTRACTORS			
		Rate quoted by Muhammad Iqbal Shaikh & Co 35.70% above Sch. Item	Rate quoted by Crescent Construction Co. 42.00% above Sch. Item	Rate quoted by Fazal Kareem & Co 50.50% above Sch. Item	
Sch. Item	240,282,374.00	240,282,374.00	240,282,374.00	240,282,374.00	
Non Sch. Item	21,959,340.00	21,959,340.00	21,959,340.00	21,959,340.00	
Cartage	57,044,602.00	85,780,808.00	100,918,597.00	121,342,599.00	
Contractor Profit	268,794.00	348,022,522.00	363,160,311.00	383,584,313.00	
		Less Est. Cost	319,555,110.00	319,555,110.00	
		Diff:	28,467,412.00	43,605,201.00	64,029,203.00
Est. Cost.	319,555,110.00	%age above Estimate	8.91%	13.65%	20.04%

**Note 1** The rate quoted by Muhammad Iqbal Shaikh & Co Government Contractor at 35.70% above the schedule of rates which comes to Rs. 8.91% above the Estimated cost and is found lowest evaluated in competition, hence recommended for approval.

**Note 2** Four contractors purchased Bidding Documents, out of which three have participated in competition:

  
(Bashir Ahmed Karfo)  
Divisional Accounts Officer  
Public Health Engrg. Division  
Kamber-Shahdadkot

  
(Abdullah Sargish)  
Executive Engineer  
Public Health Engrg. Division  
Kamber-Shahdadkot

  
(Khalid Ahmed Shaikh)  
Executive Engineer  
Education Works  
Larkano

  
(Muhammad Saad Narejo)  
Superintending Engineer  
Public Health Engrg. Circle  
Larkano

  
(Dr. Saeed Ahmed Mangrejio)  
Project Director/  
Commissioner  
Larkano



## BID EVALUCATION REPORT

17/1/3

01. Name of Procuring Agency :- Public Health Engineering Department,  
Government of Sindh
02. Tender Reference Number :- No.PD/NIT/74 dated: 16/09/2014
03. Tender Description /  
Name of Work / Item :- Construction Of Water Works, Comprising On Tube Wells  
i/c Pumping Machinery, Piping, Pump House, Clear Water  
Tank, Compound Wall, for I & E of Water Supply Mirokhan.
04. Method Procurement :- (single stage one envelop) Procurement
05. Tender Published :- SPPRA Website No.21437-18/09/ 2014.
06. Total Bid Documents Issued :- 04 Nos:-
07. Total Bid Received :- 04 Nos:-
08. Technical Bid Opening date :- Not Applicable  
(If Applicable)
09. Bid Opening date :- 03/10/2014  
(If Applicable)
10. Bid(s) Rejected :- --Nil--  
(If Applicable)
11. Financial Bid Opening date :- 03/10/2014
12. Bid Evaluation Report :-

S.No:	Name of Firm or Bidder	Cost offered By the Bidder	Ranking in terms of cost	Cost Comparison with Estimate	Reasons for acceptance / rejection	Remarks
01	02	03	04	05	06	07
1.	M/s. Muhammad Iqbal Shaikh & Co	43,047,563.00	1 <sup>st</sup> lowest	33.25% Above	Responsive	Recommended for award of work.
2.	M/s. Crescent Construction Co	43,564,581.00	2 <sup>nd</sup> lowest	35.50% Above	Qualified as per evaluation criteria	Responsive
3.	M/s Fazal Karim & Co	45,977,330.00	3 <sup>rd</sup> lowest	46% Above	Qualified as per evaluation criteria	Responsive
4.	Mr. Abdul Manan Chandio	46,436,901.00	4 <sup>th</sup> lowest	48% Above	Qualified as per evaluation criteria	Responsive

Signature of the Members of the Committee

  
(Bashir Ahmed Kartio)  
Divisional Accounts Officer  
Public Health Engg. Division  
Kamber-Shahdadkot  
Member

  
(Abdullah Sangi)  
Executive Engineer  
Public Health Engg. Division  
Kamber-Shahdadkot  
Member

  
(Khalil Ahmed Shaikh)  
Executive Engineer  
Education Works  
Larkano  
Member

  
(Muhammad Sadiq Narejo)  
Superintending Engineer  
Public Health Engg. Circle  
Larkano  
Member

  
(Dr. Saeed Ahmed Mangnejo)  
Project Director/  
Commissioner Larkano Division  
Larkano  
Chairmen

## COMPARATIVE STATEMENT

**Name of Work** Construction Of Water Works, Comprising On Tube Wells i/c Pumping Machinery, Piping, Pump House, Clear Water Tank, Compound Wall, for I & E of Water Supply Mirokhan.

NIT No.PD/NIT/74 dated 9/16/2014

Corrigendum No.PD/NIT/78 dated 9/30/2014

Issuing Period 17/09/2014 to 02/10/2014

Sanctioned by Chief Engineer Public Health Engrg. Department, Government of Sindh, Sukkur

Vide No DHD/WE/2493 Dated: 19/09/2014 Estimated Cost Rs. 36,965,315.00 Date of Opening:- 10/3/2014

### NAME OF CONTRACTORS

Estimated Cost	ITEM	NAME OF CONTRACTORS			
		Rate quoted by Muhammad Iqbal Shaikh & Co 33.25% above Sch item	Rate quoted by Crescent Construction Co. 35.50% above Sch item	Rate quoted by Fazal Kareem & Co 46.00% above Sch item	Rate quoted by Abdul Mannan Chandio 48.00% above Sch item
Schedule 22,978,560.00	Schedule Items	22,978,560.00	22,978,560.00	22,978,560.00	22,978,560.00
Non Schedule 12,428,632.00	Non Schedule Items	12,428,632.00	12,428,632.00	12,428,632.00	12,428,632.00
Contingency 1,286,161.00	Contractor quoted rate	7,640,371.00	8,157,389.00	10,570,138.00	11,029,709.00
Contractor Profit 71,959.00	Tentative tender Cost	43,047,563.00	43,564,581.00	45,977,330.00	46,436,901.00
	Less Est:Cost	36,965,315.00	36,965,315.00	36,965,315.00	36,965,315.00
	Diff:	6,082,248.00	6,599,266.00	9,012,015.00	9,471,586.00
Est:Cost	%age above Estimate	16.45%	17.85%	24.38%	25.62%

**Note 1** The rate quoted by Muhammad Iqbal Shaikh & Co Government Contractor at 33.25% above the schedule of rates which comes to Rs.16.45% above the Estimated cost and is found lowest evaluated in competition, hence recommended for approval

**Note 2** Four contractors purchased Bidding Documents, out of which all four have participated in competition.

<p style="text-align: center;"> (Bashir Ahmed Karrio) Divisional Accounts Officer Public Health Engrg. Division Kamber-Shahdadkot</p>	<p style="text-align: center;"> (Abdullah Sarang) Executive Engineer Public Health Engrg. Division Kamber-Shahdadkot</p>	<p style="text-align: center;"> (Khaif Ahmed Shaikh) Executive Engineer Education Works Larkano</p>	<p style="text-align: center;"> (Muhammad Saad Narejo) Superintending Engineer Public Health Engrg. Circle Larkano</p>
<p style="text-align: center;"> (Dr. Saeed Ahmed Mangrejto) Project Director Commissioner Larkano</p>			