



**OFFICE OF THE EXECUTIVE ENGINEER PUBLIC HEALTH**  
**ENGINEERING DIVISION TANDO MUHAMMAD KHAN**

NO.NIT/TC/ S.O. OF/2015 T.M.KHAN DATED:- 17/03/2016

**NOTICE INVITING TENDER**

Sealed Tenders for the following works on B-I / II form are invited from the bidders meeting the eligibility criteria of SPPRA Rules 2010.

| S.# | Name of Work   | Estimated Cost in (Million) | Earnest Money 2% | Tender Fee | Time Allowed |
|-----|--|-----------------------------|------------------|------------|--------------|
| 1.  | Rehabilitation of Rural Water Supply/Drainage Schemes in District Tando Muhammad Khan i/c One Year O/M Cost. | 20.00                       | 0.400            | 3000/-     | 12 Months    |

1. The blank tender forms can be obtained from the office of the undersigned, on any working day during office hours up to 10-03-2016 on payment of the tender fee, specified against work.
2. The tenders will be received back on 10-03-2016 up to 1:00 PM & opened on the same day at 2.00 P.M. If the undersigned is out of headquarter. or tender is non-responded the next dates for issue and opening will be as under: -

**Date of receipt and Time 2<sup>nd</sup> Attempt**

Date of issue upto 18-03-2016 & will be received back 18-03-2016 2.00 P.M and opened on 3.00 P.M conditional or telegraphic tenders will not be entertained.

3. The bidders who will provide following documents / information are eligible to participate as per SPPRA rules 2004.
  - i. Valid registration certificate of Pakistan Engineering Council, for the tender amount and relevant nature of work.
  - ii. Full name, permanent address, Telephone and Fax numbers, E-mail & the organizational structure.
  - iii. Bio-Data of Technical Staff employed and to be made available for working on the Project.
  - iv. Details of works executed during the last five years including copy of certificate for satisfactory completion of works by client.
  - v. Documentary proof and ownership of available Machinery and T & P.
  - vi. List, scope and approximate cost of works in hand.
  - vii. Financial stability certificate issued by a scheduled Bank.
  - viii. Affidavit in which the bidder undertakes that it is not involved in any litigation.
  - ix. Affidavit in which it should be undertaken that the information provided is true and correct.
  - x. Affidavit that the bidder has not been black listed by any Government / Semi Government / Autonomous body.
  - xi. Registration (NTN certificate) from Income Tax department including CNIC.


4. The earnest money specified would be pledged in the name of Executive Engineer PHE Division Matiari in the shape of call deposit from any scheduled Bank and must be attached with bid documents; otherwise it will not be entertained.
5. If firm / partner involved in partnership deed, then complete details / instructions and power of attorney will be submitted on affidavit by the proprietor.
6. Conditional and Telegraphic tenders will not be entertained.
7. The above conditions are not applicable of on the work below 2.50 M.
8. The procuring Agency may reject all or any bid subject to the relevant provisions of PPRA rules.

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**EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG: DIVISION  
TANDO MUHAMMAD KHAN**

**Copy F.W.C's for information to:**


1. Director information Department Govt: of Sindh Karachi for the Publication of NIT in three leading daily newspaper Urdu, Sindhi, English.
2. ✓ Director (CB) Sindh Public Procurement Regulatory Authority Barrack No.8, Sindh Secretariat No.4-A, Court Road Karachi for Publication of NIT in the web site of SPPRA. The Soft copy is already e-mailed to [www.pprasindh.gov.pk](http://www.pprasindh.gov.pk) from e-mail address of Rashid unicomhyd@gmail.com.
3. The Chief Engineer Public Health Engineering Department Government of Sindh Hyderabad.
4. The Superintending Engineer, Public Health Engineering Circle Hyderabad.
5. The Executive Engineers (all ) under Public Health Engineering Circle Hyderabad.
6. Notice Board.

  
**EXECUTIVE ENGINEER**  
**PUBLIC HEALTH ENGG: DIVISION**  
**TANDO MUHAMMAD KHAN**

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Annexure-A)PROCUREMENT PLAN (Development)

| Serial No/ADP No:               | Name of Scheme & Estimated Cost   | Allocated Funds | Cost of ongoing works (Expenditure already incurred) | Funds ongoing works | Cost of new works (components)   | Funds for New works | Nature of Procurement          | Method of Procurement | Anticipated / Actual Date of Advertisement | Anticipated/ Actual Date of Start | Anticipated/ Actual Date of Completion |
|---------------------------------|---|-----------------|--|---------------------|--|---------------------|--------------------------------|-----------------------|--|-----------------------------------|--|
| 1                               | 2   | 3               | 4  | 5                   | 6  | 7                   | 8                              | 9                     | 10   | 11                                | 12                                     |
| <b>Provincial ADP 2015-2016</b> |   |                 |  |                     |  |                     |                                |                       |  |                                   |  |
| 1                               | Rehabilitation of Rural Water Supply / Drairage Schemes in District Tando Muhammad Khan i/c One Year O/M Cost.<br>Rs:- 46.923 | 2.000           | 0.000  | 2.000               | Rs: - 2.00<br>01. Repair of disposal work<br>02. Repair of Pump House & Chowkidar Hut<br>03. Repair of P/Machinery<br>04. Cleaning of screening chamber & collecting tank<br>05. Repair of Rising Main<br>06. Repair of Drains<br>07. CC Block<br>08. Constt. of oxidation pond.<br>09. Repair of Storage Tank<br>10. P/L/J of uPVC pipeline<br>11. Constt. of L.S.R 12.<br>Supplying & fixing of electric motor and desell generator. | 2.000               | Execution of construction work | Single Stage Envelope | 3/1/2016                                   | After issue of Work Order         | 06/2016                                |

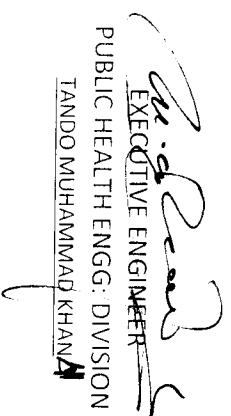
  
 EXECUTIVE ENGINEERS  
 PUBLIC HEALTH ENGG: DIVISION  
 TANDO MUHAMMAD KHAN

## ANNEXURE-II

PROCUREMENT PLAN (Non-Development)

| S. No | Found Head & Sub head | Name of work and break up | Allocated Found and break up for different locations/sites | Items to be executed | Method of Procurement | Anticipated/Actual of Advertisement | Anticipated/Actual Date of Start | Anticipated/Actual Date of Completion | Remarks |
|-------|-----------------------|---------------------------|--|----------------------|-----------------------|-------------------------------------|----------------------------------|---------------------------------------|---------|
| 1     | 2                     | 3                         | 4  | 5                    | 6                     | 7                                   | 8                                | 9                                     | 10      |
|       |                       |                           |  |                      |                       |                                     |                                  |                                       |         |

-----NIL-----

  
 EXECUTIVE ENGINEER  
 PUBLIC HEALTH ENG. DIVISION  
 TANDO MUHAMMAD KHAN



GOVERNMENT OF SINDH  
PUBLIC HEALTH ENGINEERING  
DEPARTMENT

Karachi dated the 6<sup>th</sup> May, 2013

NOTIFICATION

No.SO(T)/PHE/SPPRA-Rules/2013 (pt-II), In exercise of powers conferred by Rule-7 of SPP Rules-2010, the Division wise Departmental Procurement Committees are hereby constituted in Public Health Engineering Department as under:-

| S.# | NAME OF PHE DIVISION | PROCUREMENT COMMITTEE   | CHAIRMAN/MEMBER |
|-----|----------------------|---|-----------------|
| 01  | Hyderabad            | Executive Engineer, PHE, Division No. I Hyderabad                     | Chairman        |
|     |                      | Executive Engineer, Education Works Division Hyderabad                | Member          |
|     |                      | Assistant Engineer, PHE Sub-Division, Qasimabad                       | Member          |
| 2   | Jamshoro             | Executive Engineer, PHE, Division Jamshoro.                           | Chairman        |
|     |                      | Executive Engineer, Education Works, Division Hyderabad               | Member          |
|     |                      | Assistant Engineer, PHE, Sub-Division Jamshoro                        | Member          |
| 3   | Thatta               | Executive Engineer, PHE, Division Thatta                              | Chairman        |
|     |                      | Executive Engineer, Education Works Division Thatta                   | Member          |
|     |                      | Assistant Engineer, PHE, Sub-Division No. I Thatta                    | Member          |
| 4   | Tando Muhammad Khan  | Executive Engineer, PHE, Division Tando Muhammad Khan                 | Chairman        |
|     |                      | Executive Engineer, Education Works Division Tando Muhammad Khan      | Member          |
|     |                      | Assistant Executive Engineer, PHE, Sub-Division No. II Tando Muhammad | Member          |

|    |                               |  |          |
|----|-------------------------------|--|----------|
| 5  | <b>Badin</b>                  | Executive Engineer, PHE, Division<br>Badin                                   | Chairman |
|    |                               | Executive Engineer, Education Works<br>Division Badin                        | Member   |
|    |                               | Assistant Engineer, PHE, Sub-Division<br>Tando Bago                          | Member   |
| 6  | <b>Matiari</b>                | Executive Engineer, PHE, Division<br>Matiari                                 | Chairman |
|    |                               | Divisional Accounts Officer Hala Divn.<br>Irrigation Department Hyderabad    | Member   |
|    |                               | Assistant Engineer, PHE, Sub-Division<br>Matiari                             | Member   |
| 7  | <b>Karachi</b>                | Executive Engineer, PHE, Division<br>Karachi                                 | Chairman |
|    |                               | Executive Engineer, Local Government<br>Deptt. Karachi                       | Member   |
|    |                               | <i>Assistant</i><br>Executive Engineer, PHE, Sub-<br>Division No. IV Karachi | Member   |
| 8  | <b>Mirpurkhas</b>             | Executive Engineer, PHE, Division<br>Mirpurkhas                              | Chairman |
|    |                               | Assistant Engineer, Building Division<br>Works & Services Deptt. Mirpurkhas  | Member   |
|    |                               | Assistant Engineer, PHE, Sub-Division<br>No. II Mirpurkhas                   | Member   |
| 9  | <b>Tando Allahyar</b>         | Executive Engineer, PHE, Division<br>Tando Allahyar                          | Chairman |
|    |                               | Executive Engineer, Highway Division<br>Tando Allahyar                       | Member   |
|    |                               | Assistant Engineer, PHE, Division<br>No. II Tando Allahyar                   | Member   |
| 10 | <b>Sanghar</b>                | Executive Engineer, PHE, Division<br>Sanghar                                 | Chairman |
|    |                               | Assistant Engineer, Education Works<br>Sub-Division Sinjhor                  | Member   |
|    |                               | Assistant Engineer, PHE Sub-Divn,<br>Qazi Ahmed Sinjhor                      | Member   |
| 11 | <b>Tharparkar @<br/>Mithi</b> | Executive Engineer, PHE, Division<br>Tharparkar @ Mithi                      | Chairman |
|    |                               | Executive Engineer, Education Works<br>& Services Tharparkar @ Mithi         | Member   |

|    |                        |  |          |
|----|------------------------|--|----------|
| 24 | Kashmore @<br>Kandhkot | Executive Engineer, PHE, Division<br>Kashmore @ Kandhkot           | Chairman |
|    |                        | Executive Engineer, Roads Kashmore<br>@ Kandhkot                   | Member   |
|    |                        | Assistant Engineer, PHE, Sub-Division<br>No. 1 Kashmore @ Kandhkot | Member   |

Terms of reference of the Committees:

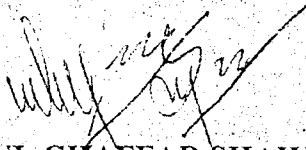
1. Preparing bidding documents
2. Carrying out technical as well as financial evaluation of the bids
3. Preparing evaluation report as provided in Rule 45
4. Making recommendations for the award of contract to the competent authority; and
5. Perform any other function ancillary and incidental to the above

**S.M. KALEEM MAKKI**

Secretary to Government of Sindh

Copy forwarded for information & necessary action to:-

- The Accountant General Sindh, Karachi.
- The Administrative Secretaries (all) in Sindh.
- The Commissioner (all) in Sindh.
- The Chief Engineer, PHED, Hyderabad / Sukkur.
- The Director, Procurement Regulatory Authority Sindh Karachi.
- The Deputy Commissioner (all) in Sindh.
- The Superintending Engineer, PHED (all) in Sindh.
- The Executive Engineer, PHE, Division (all) in Sindh.
- PS to Secretary, PHED, Govt. of Sindh, Karachi.
- Additioanal Secretary, PHED, Govt. of Sindh, Karachi.

  
(ABDUL GHAFAR SHAIKH)  
Section Officer (Technical)

**OFFICE OF THE SUPERINTENDING ENGINEER,**  
**PUBLIC HEALTH ENGINEERING CIRCLE HYDERABAD.**

No.GM/ 270 /2016.  
Hyderabad dated/ 16-2-2016.

To,



The Chief Engineer,  
Public Health Engg: Department,  
Government of Sindh,  
**Hyderabad.**

SUBJECT:- **NOTIFICATION OF COMPLAINT REDRESSAL COMMITTEE.**

The Executive Engineer Public Health Engineering Division Tando Muhammad Khan vide his office letter No.TC/30, dated.02-02-2016 as per act of SPPRA Rules 2010 Sub-Para No.31 in which it is requested to kindly approve the name of complaint Redressal Committee as proposed as under:-

1. **Mr. Anjineer Lal**  
Superintending Engineer,  
PHE Circle Hyderabad.
2. **Mr. Sabir Hussain Abbasi,**  
Divisional Accounts Officer,  
PHE Division Tando Muhammad Khan.
3. **Mr. Ghulam Murtaza Sehito,**  
(Retired) Executive Engineer,  
PHED

It is therefore requested that kindly issue notification for complaint Redressal Committee in respect of PHE Division Tando Muhammad Khan, so that the requirement of SPPRA Rules may be full filled as desired.

  
(Anjineer Lal)  
**SUPERINTENDING ENGINEER**  
**PUBLIC HEALTH ENGG: CIRCLE**  
**HYDERABAD** 

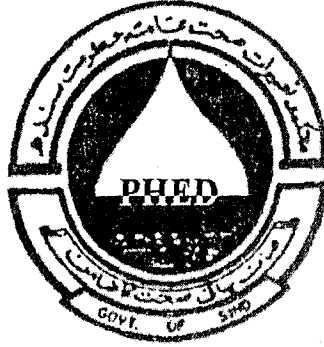
CC to the:-

Executive Engineer Public Health Engineering Division Tando Muhammad Khan for information with reference to his office letter number cited above.



PUBLIC HEALTH ENGINEERING DEPARTMENT  
GOVERNMENT OF SINDH

PUBLIC HEALTH ENGINEERING DIVISION TANDO MUHAMMAD KHAN



BIDDING DOCUMENTS WITH FINANCIAL  
PROPOSAL

FOR

NAME OF WORK:-

Rehabilitation of Rural Water Supply/ Drainage Scheme in District Tando Muhammad Khan including one year Operation & Maintenance of Schemes

|                           |  |
|---------------------------|--|
| Name of Department:       | Public Health Engineering Department.                                |
| Name of Procuring Agency: | Executive Engineer, Public Health Engg: Division Tando Muhammad Khan |

Document issued to:- \_\_\_\_\_

## 1. Introduction:

Office of the Executive Engineer, PHE Division Tando Muhammad Khan intends to carry out the work for **“Rehabilitation of Rural Water Supply and Drainage Schemes in District Tando Muhammad Khan including One (1) Year Operation and Maintenance of Schemes”**

(i) Scope:

Rehabilitation of Rural Water Supply & Drainage Schemes i/c One Year Operations & Maintenance of Schemes in District Tando Muhammad Khan.

| S.# | Name of Schemes                              | Taluka             |
|-----|--|--------------------|
| 1.  | Rural Water Supply Scheme Tando Ghulam Hyder | Tando Ghulam Hyder |
| 2.  | Rural Water Supply Scheme Mullah Katiar      | Bulri Shah Karim   |
| 3.  | Rural Drainage Scheme Ghulam Shah Bagrani    | Tando Ghulam Hyder |

(ii). **Estimate Cost:** Rs.20.00 (In Million)

(iii). **Completion Period:** 12 Months

- **Eligibility:** Valid Registration with Pakistan Engineering Council in Valid Category and field of specialization CE-09 & CE-10
- Applicants will be informed in due course of time, for the result of the evaluation. The financial proposals of only those firms/bidders will be entertained/accepted who will obtain the minimum criteria / qualifying score based on Marks / Score (SECTION-II)

## 2. **Section-I Instruction To Bidders/Applicants (ITB)**

### Clause-I

The firm/contractor shall enclose the original copy of the documents in a sealed envelope along with Financial Proposal which shall:-

- (a) Bear the name and address of the Applicant.
- (b) Be delivered by hand or through courier/registered mail to address mentioned in advertisement (N.I.T) for the work.
- (c) Be clearly marked “Application for submission of Financial Proposal & Information / Documents

FOR

**Rehabilitation of Rural Water Supply / Drainage Schemes in Tando Muhammad Khan District i/c One Year O/M of Schemes.**

**Clause-2**

If the envelope is not sealed and marked as required, the procuring agency will assume no responsibility for the misplacement or pre-maturing opening of the document.

**Clause-3**

Document shall be prepared in English Language.

**Clause-4**

Firm/Contractor must respond to all questions and provide complete information as advised in this document. Any lapses to provide essential information may result in dis-qualification of the firm/contractor.

**Clause-5 Clarification and Modification of Documents (SPP Rule-23)**

Firm/Contractor, who has obtained documents, may request for clarification of contents bidding document in writing, and respond to such queries shall be made in writing within calendar days, provided they are received at least five calendar days prior to the date of open bid.

**Clause-6 Addendum:**

At any time prior to the deadline for submission of documents the procuring agency may amend the Document by issuing addenda. Any addendum issued shall be part of the Document shall be communicated in writing to all who have obtained the bidding document.

**Clause-7 Deadline for submission of Documents (SPP Rule 22 & 24)**

Documents shall be received by the procuring agency at the address Executive Engineer, PHE Division Tando Muhammad Khan Telephone ..... not later than the \_\_\_\_\_ 2016 upto **1:00 PM** and tenders will be opened on \_\_\_\_\_ 2016 at **2:00 PM** in the presence of contractor or their authorized representatives. The procuring agency may, at its discretion, extend the deadline for the submission of documents by amend in subject to the previous deadline shall thereafter be subject to the deadline as extended.

**Clause-8 Evaluation (Rule 27 (2)):**

Firm/Contractors, general and particular experience, personnel and equipment capabilities, and financial position, as demonstrated by the Applicant's responses in prescribed forms will be evaluated as per evaluation criteria given in the document. The procurer agency reserves the right to waive minor deviations, if these don't materially affect the capability of an applicant to perform the contract. Sub-Engineer's experience and resources shall not be taken into account in determining the firm/contractor compliance with the qualifying criteria firms will be considered for similar treatment as in case of Joint Venture.

**Clause-9 Clarification of Prequalification Information (Rule 43):**

To assist the evaluation information, the agency may, at its discretion, ask any firm/contractor for a clarification information which shall be submitted within a stated reasonable period of time. Any request clarification shall be in writing. If any firm/contractor does not provide clarifications/ information requested by the date and time set in the agencies request for clarification application of the firm/contractor may be rejected.

**Clause-10 Verification of Documents / Information (Rule 28 (Id):**

Verification of the information provided by the firms/contractors in the submissions for bidding along with Financial Proposal made. In case the information is found to be wrong or incorrect in any material way firm/contractor is found to be taking in the capability or resources to successfully perform contract, then it shall not be entertained and financial proposal submitted will not be accepted.

### **3. Section-II: Evaluation / Qualification Criteria.**

#### **1. Criteria based on Marks/Score**

**Mandatory Provisions/Eligibility:** Firms/Contractors must possess (i) valid registration certificate of PEC for the year 2014 in the relevant category CE-09 and in CE-10 discipline (ii) valid registration certificate from income tax authority (NTN), (iii) at least Two contract of equivalent value in last five years (iv) Litigation Affidavit by Bidder (v) Audited Accounts of Last 3 Years (vi) Firm/Contractors is not black listed (Attach all certificates and affidavit of not black listing)

#### **(A) Company Profile.**

|     |  |                 |
|-----|--|-----------------|
| i.  | Period since Firm/Contractor is in construction business | <b>10 Marks</b> |
|     | Up to 5 Years  | 02 Marks        |
|     | Up to 10 Years   | 05 Marks        |
|     | Above 10 Years   | 10 Marks        |
|     | (Attach PEC License for each year)                       |                 |
| ii. | Office facilities  | <b>05 Marks</b> |
|     | In Sindh Province  | 03 Marks        |
|     | In any other province / Islamabad                        | 01 Mark         |
|     | Outside Country  | 01 Mark         |

#### **(B) General Experience Record. 40 Marks**

- i. Projects of Water Supply / Drainage Scheme  
Completed over last 05 years costing about equivalent value  
20 Marks for one project (basic requirement)

(Attach satisfactory completion certificates)

ii. Projects of similar nature and complexity in hand. 20

Marks

(10 Marks for each project having cost Rs. \_\_\_\_\_ Million or above)

(Attach copies of work orders)

**(C) Personnel Capabilities required for this project 20 Marks**  
Following factors shall be used as a guide line.

| Sr. No. | Description/Position with qualification & experience  | Number Required | Marks assigned | Remarks   |
|---------|---|-----------------|----------------|---|
| 1       | BSc (Civil Engg:)/BE(Civil) Engineers registered with Pakistan Engineering Council (PEC) with experience of 5 years or above. | 02              | 20             | 06 Marks for experience of 3 to 05 years. 09 Marks for above 10 years (Attach Tax payment challan showing at least 1 year continuous employment with firm 1 Additional Mark for MSc (Civil Engg:) / M.E (Civil) |
| 2.      | Diploma in Civil Engineering with experience of 2 years or above  | 04              | 10             | Qualifying experience for Sub Engineer minimum Five(5) years  |

**(D) Equipment Capability 10 Marks**

- Critical equipment and number required for the project shall be specified by the applicant.
- High value equipment should be an option to own, lease or hire.
- Total equipment available with the applicant is to be listed along with its current mobilization on on-going project.  
(Details are to be provided in the attached form)

**(E) Financial Soundness/Status 10 Marks**

For Financial Status assessment, the Applicants may be required to submit audited Financial Statements for the last three years, the procuring agency will make enquires with the firms / contractors bankers.

Working Capital in hand for this project/work (Attach proof of Bank Statement/Credit Facilities)

- Less than 15% of Estimated Cost of this Work 01 Marks
- Less than 25% of Estimated Cost of this Work 02 Marks
- Less than 40% of Estimated Cost of this Work 04 Marks
- More than 40% of Estimated Cost of this Work 10 Marks

Qualifying Score is 50%, but it is mandatory to obtain 40% in each section.

(2) Based on Yes/No or Pass/Fail System.

**Mandatory Provisions/Eligibility:** Firms/contractors must possess (i) valid registration certificate of PEC in the category CE-09 and CE10 discipline for 2014 year, (ii) valid registration certificate from income tax authority (NTN), and (iii) is not black listed (Attach all certificates and affidavit of not black listing)

**Required Documents:** It must include following information / documents:-

(A) Firm/Contractor have been in business of construction at least for 05 years.

(B) Experience and past projects performance.

(i). Have completed at least (1) scheme of water supply having cost of at least 50 Million of the single project in the last Five (05) years.

(ii). Have executed at least one (01) project in similar geographical condition in last five (05) years).

(Attach performance certificates of completed projects)

(C) Key Personal Qualification & Experience

(Requirement will vary from assignment to assignment)

(i). Site Engineers. Qualification: B.E (Civil), Number ( ).  
Experience: ( ) Similar assignments,  
( ) years experience.

(ii). Sub Engineer/ Qualification: Diploma in Civil, Number; ( )

Quantity Surveyors: Experience: ( ) similar assignment,  
( ) years experience.

(D) Equipment.

(a) Critical equipment and number required for the project shall be specified by the bidder (Attach list of equipment).

(b). High value equipment should be an option to own, lease or hire.

(c). Total equipment available with the applicant is to be listed along with its current mobilization on on-going projects

(E). Financial:

(i). Documentary evidence of financial position, bank statement or audited accounts last Three (03 Years)

(ii). Average Annual turnover of the last three years should not be less than thrice the cost of work under procurement.

**Any other information.**

- i) Details of disputes/litigation or arbitration with client if any.
- ii) Any other document/information desired by procuring agency.

**G. BID VALUATION PROCEDURE**

| S# | Name of Bidder | Eligibility points | wt: 80% | Final Eligibility | Financial Points<br>(cost of lowest bidder/cost of bidder )x100= | Finan: wt: 20% | Final Finan: points | Combined Score<br>Col(5+8) | Bid declared by the Committee |
|----|----------------|--------------------|---------|-------------------|--|----------------|---------------------|----------------------------|-------------------------------|
| 1  | 2              | 3                  | 4       | 5                 | 6  | 7              | 8                   | 9                          | 10                            |
|    |                |                    |         |                   |  |                |                     |                            |                               |
|    |                |                    |         |                   |  |                |                     |                            |                               |
|    |                |                    |         |                   |  |                |                     |                            |                               |

**4. Section-III Application Forms.**

**A.I Application Submission Form** (The covering letter is to be submitted by the interested firm/contractor partner responsible for a joint venture, on appropriate company letter head.

**1. CONTRACT AGREEMENT**

The Contractor shall within 07 days of issuance of letter of award/intent or when called upon. To do so enter and execute a Contract Agreement on PWD format as annexed with the tender.

**2. PERFORMANCE SECURITY**

The Contractor shall obtain (at his cost) a Performance Security for proper performance, 5% of the Contract/bidding Amount and denominated in the currency (ies) of the Contract or in a freely convertible currency acceptable to the Procuring Agency.

The Contractor shall deliver the Performance Security to the Procuring Agency. within 28 days after receiving the Letter of Acceptance. The Performance Security shall be issued by a reputable bank or financial institution selected by the Contractor, and shall be in the form as provided by the Procuring Agency.

The Contractor shall ensure that the Performance Security is valid and enforceable until the Contractor has executed and completed the Works i/c O & M period and remedied and defects. If the terms of the Performance Security specify its expiry date, and the Contractor has not become entitled to receive the Performance Certificate by the date 28 days prior to the expiry date, the Contractor shall extend the validity of the Performance Security until the Works have been completed and any defects have been remedied.

The Procuring Agency shall not make a claim under the Performance Security, except for amounts to which the Employer is entitled under the Contract.

The Procuring Agency shall indemnify and hold the contractor harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from claim under the Performance Security to the extent to which the Employer was not entitled to make the claim.

The Procuring Agency shall return the Performance Security to the Contractor within 21 days after receiving a copy of the Performance Certificate.

Without limitation to the provisions of the rest of this Sub-Clause, whenever the Procuring Agency determines an addition or a reduction to the Contract Price as a result of a change in cost and/or legislation, or as a result of a Variation, amounting to more than 25 percent of the portion of the Contract Price payable in a specific currency, the Contractor shall at the Procuring Agency's request promptly increase, or may decrease, as the case may be, the value of the Performance Security in that currency by an equal percentage.

### **3. Advance Payment**

The Procuring Agency shall make an advance payment, as in interest-free loan for mobilization and cash flow support, when the Contractor submits a guarantee in accordance with this Sub-Clause. The total advance will be 15% (Fifteen) of agreed Contract/Bid Price.

Unless and until the Procuring Agency receives this guarantee, or if the total advance payment is not stated in the Contract Data, this condition shall not apply.

The contractor shall deliver to the Procuring Agency Interim Payment request through his designated Engineer for the advance payment or its first installment after the Procuring Agency receives the Performance Security. This guarantee shall be issued by a reputable bank or financial institution selected by the Contractor and shall be in the form as approved by the Procuring Agency..

The Contractor shall ensure that the guarantee is valid and enforceable until the advance payment has been repaid, but its amount shall be progressively reduced by the amount repaid by the Contractor as indicated in the Payment Certificates. If the terms of the guarantee specify its expiry date, and the advance payment has not been repaid by the date 28 days prior to the expiry date, the Contractor shall extend the validity of the guarantee until the advance payment has been repaid.

The advance payment shall be repaid through percentage deductions from the interim payments/Running Amount bills determined by the Procuring Agency as follows:

- (a) Deductions shall commence in the next interim Payment Certificate/Running Amount bill following that in which the total of all certified interim payments (excluding the advance payment and deductions and repayments of retention) exceed 30 percent (30%) of the Accepted Contract Amount less Provisional Sums; and
- (b) Deductions shall be made at the rate of 25% of the amount from each interim Payment/Running amount bill (excluding the advance payment and deductions for its repayments as well as deductions for retention money) in the currencies and proportions of the advance payment until such time as the advance payment has been repaid; provided that the advance payment shall be completely repaid prior to the time when 90 percent (90%) of the Accepted Contract Amount less Provisional Sums has been certified for payment.

If the advance payment has not been prepaid prior to the issue of the Taking-Over Certificate for the Works or prior to termination under Clause of agreement [Termination by Procuring Agency] or Clause For Majeure (as the case may be), the whole of the balance then outstanding shall immediately become due and in case of termination under relevant Clauses, payable by the Contractor to the Employer.



#### **4. TENDER GUARANTEE/EARNEST MONEY**

In the event of the Contractor's failure to execute a Contract Agreement as required by hereof or to furnish a Performance Security in accordance whereof within 10 days after being required to do so in writing by the Procuring Agency, then the sum of Tender Deposit/Earnest Money as a guarantee of good faith shall be absolutely forfeited to the Procuring Agency and the Procuring Agency shall be entitled (but not obliged), by notice in writing, to draw his acceptance of the Tender and such acceptance, if so withdrawn shall thereupon be void as though it has never been given and the Contractor shall have no claim against the Procuring Agency whether for damages, specific performance or otherwise in respect of such acceptance or withdrawal.

# REQUEST FOR MOBILIZATION

# ADVANCE GUARANTEE

To,

The Executive Engineer,  
Public Health Engineering,  
Division Tando Muhammad Khan

WHEREAS the contract of **Rehabilitation of Rural Water Supply / Drainage Schemes in Tando Muhammad Khan District including One Year Operation and Maintenance of Schemes** has been awarded to M/s

\_\_\_\_\_ (hereinafter called the Contractor).

AND WHEREAS under the terms of the said contract vide letter of Intent No. \_\_\_\_\_ dated \_\_\_\_\_ you have agreed to advance a sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) only to the Contractor M/s

\_\_\_\_\_ for execution of the said work. This advance is to be recovered proportionately at the rate of 25% from each running bill of the Contractor for the subject work, till the entire amount is recovered.

IN CONSIDERATION OF THE ABOVE, I/ we M/s \_\_\_\_\_ at of Bank Guarantee

\_\_\_\_\_ to you for Contract terms and the above amount Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) only on

behalf of the Contractor, and in default thereof we undertake to pay you on demand any sum upto but not exceeding Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) only of the outstanding amount of

advance given by you to the said Contractor upto the date of such demand, provided always our liability hereunder shall not exceed the aggregate amount of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) only.

THIS GUARANTEE shall be irrevocable and we shall make an unconditional payment to you of the aforesaid amount on demand without further question and without any reference to the said Contractor.

Sd/-

To,

The Executive Engineer,  
Public Health Engineering,  
Division Tando Muhammad Khan

Dear Sir,

**SUBJECT: Financial Proposal and Documents/information required for "Rehabilitation or Rural Water Supply / Drainage Schemes in Tando Muhammad Khan District including One Year Operation & Maintenance of Schemes.**

Dear Sir,

I/We \_\_\_\_\_ the undersigned, being duly authorized to represent and act on of \_\_\_\_\_ submit the financial proposal and required Documents/Information for the project above and enclose one original copy of Financial Proposal and required documents/information and the following.

- (a) I have examined and have no reservations to the Document, including Ad No.(s) \_\_\_\_\_ issued in accordance with ITB Clause-6.
  - (b). I understand that Procuring Agency may cancel the tendering process at any time an Procuring Agency is not bound either to accept any application that it may receive or financial proposals of technically disqualified bidders, without incurring any liability applicants.
  - (c). Bids by technically qualified applicants will be subject to verification of all information submitted at the time of bidding.
  - (d) Agency reserves the right to amend the scope and value of any contract under this project.
4. The Procuring Agency and its authorized representative (s) may contact the following persons (s) for further information, if needed.

Person to be contacted:

Telephone: \_\_\_\_\_

5. The undersigned declares that the statements and the information provided are complete and correct in every detail.

Signed

Name: \_\_\_\_\_

A-II

1. Company Profile

Date: \_\_\_\_\_

Contract: \_\_\_\_\_

All individual firms and each partner of a joint venture applying for submission of Technical Proposal requested to complete the information in this form.

|    |  |
|----|--|
| 1. | Name of Firm (legal):<br><br>(In case of Joint Venture (JV), legal name of each partner:   |
| 2. | Nature of Business:<br><br>(Whether the firm is a Corporation, Partnership, Trust etc)<br>(In Case of Consortium, whether the lead consortium member is a corporation, partnership, Trust etc) |
| 3. | Head Office Address  |
| 4. | Telephone<br>Fax Numbers:<br>E-Mail Address:   |
| 5. | Place of Incorporation/Registration:<br><br>Year of incorporation / registration:  |
| 6. | Applicant's authorized representative:<br>Telephone<br>Fax Number<br>E-mail address:   |
| 7. | <b>NATIONALITY OF OWNERS</b><br><br>Name _____ Country _____   |

A-III

2. General Experience Record

- (i). Details of Contracts of Similar Nature and Complexity completed over last 05 years.

| Sr.No.   | 1 | 2 | 3 | 4 | 5 |
|--|---|---|---|---|---|
| Name of Contract:  |   |   |   |   |   |
| Country:   |   |   |   |   |   |
| Name of Procuring Agency with Address, Telephone, Fax                            |   |   |   |   |   |
| Nature of Works and special features relevant to the contract for which applied. |   |   |   |   |   |
| Contract Role (Mention: Sole, Sub-Contractor or Partner in a Joint Venture)      |   |   |   |   |   |
| Value of the total contract in Pak/Rs:   |   |   |   |   |   |
| Date of Award  |   |   |   |   |   |
| Date of Completion   |   |   |   |   |   |

**(ii) Projects of Similar nature and complexity in hand.**

Firms/Contractor and each partner of the joint venture should provide information on their current commitments on all contractors that have been awarded, or for which a letter of intend or acceptance has been received, or for contracts approaching completion, but for which substantial Completion Certificate has yet to be issued.

| <b>Name of Contract</b> | <b>Value of Contract</b> | <b>Name of Procuring Agency</b> | <b>Value of Outstanding work (Equivalent Pak Rs. Millions)</b> | <b>Estimated Completion Date</b> |
|-------------------------|--------------------------|---------------------------------|--|----------------------------------|
|                         |                          |                                 |  |                                  |
|                         |                          |                                 |  |                                  |
|                         |                          |                                 |  |                                  |

(iii) Projects executed in similar geographical conditions in last five (5) years.

| Sr.No.   | 1 | 2 | 3 | 4 | 5 |
|--|---|---|---|---|---|
| Name of Contract:  |   |   |   |   |   |
| Country:   |   |   |   |   |   |
| Name of Procuring Agency with Address, Telephone, Fax                            |   |   |   |   |   |
| Nature of Works and special features relevant to the contract for which applied. |   |   |   |   |   |
| Contract Role (Mention: Sole, Sub-Contractor or Partner in a Joint Venture)      |   |   |   |   |   |
| Value of the total contract in Pak/Rs:   |   |   |   |   |   |
| Date of Award  |   |   |   |   |   |
| Date of Completion   |   |   |   |   |   |

**A-IV**

**4 (A) Personnel Capabilities**

Firm / Contractor should provide the names of suitability qualified personnel to meet the specified requirements stated in Section-3(Evaluation and Qualification Criteria). The data on their experience should be supplied using the Form below for each candidate.

| <b>Sr. No.</b> | <b>Title of Position</b> | <b>Name/Present Address with Contact Nos.</b> |
|----------------|--------------------------|---|
| 1.             |                          |   |
| 2.             |                          |   |
| 3.             |                          |   |
| 4.             |                          |   |
| 5.             |                          |   |



A-V.

**5, Equipment Capabilities**

Firm/Contractor shall provide adequate information to demonstrate clearly that capability to meet the requirements for the key equipment listed in Section-3 (Evaluation Qualification Criteria) A Separate Form Shall be prepared for each item of equipment for alternative equipment proposed by the Bidder.

| Sr. No. | Name of Equipment | Name of Manufacture | Model and Power rating | Capacity | Year of Manufacture | Current Location | Sources Owned,I Leased Specially Manufacture |
|---------|-------------------|---------------------|------------------------|----------|---------------------|------------------|--|
| 1.      |                   |                     |                        |          |                     |                  |  |
| 2.      |                   |                     |                        |          |                     |                  |  |
| 3.      |                   |                     |                        |          |                     |                  |  |
| 4.      |                   |                     |                        |          |                     |                  |  |
| 5.      |                   |                     |                        |          |                     |                  |  |
| 6.      |                   |                     |                        |          |                     |                  |  |
| 7.      |                   |                     |                        |          |                     |                  |  |
| 8.      |                   |                     |                        |          |                     |                  |  |
| 9.      |                   |                     |                        |          |                     |                  |  |
| 10.     |                   |                     |                        |          |                     |                  |  |

A-VI.

6. Following information shall be provided if equipment is not owned by the Bidder.

| Sr. No. | Name of Equipment | Name of Owner | Address of Owner | Contact name and title with Telephone Fax & Email | Agreement Details of rental lease/ manufacture agreements specified to the Project |
|---------|-------------------|---------------|------------------|---|--|
| 1.      |                   |               |                  |   |  |
| 2.      |                   |               |                  |   |  |
| 3.      |                   |               |                  |   |  |
| 4.      |                   |               |                  |   |  |
| 5.      |                   |               |                  |   |  |
| 6.      |                   |               |                  |   |  |
| 7.      |                   |               |                  |   |  |
| 8.      |                   |               |                  |   |  |
| 9.      |                   |               |                  |   |  |
| 10.     |                   |               |                  |   |  |

**A-VII****7. Financial Resources.****A. Banker's Information**

| Sr. No. | Name & Address of Bank | Contact name and title with Telephone, Fax, E-Mail |  |
|---------|------------------------|--|--|
| 1.      |                        |  |  |

**B. Financial Status:** (Summarize actual assets and liabilities in Pak Rupees (Equivalent at the current rate of exchange at the end of each year, for the previous three years). A copy of the audited balance sheets should be attached.

| Information from Balance Sheet/Income Statement | Year-I | Year-2 | Year-3 |
|---|--------|--------|--------|
| 1. Total Assets (T)                             |        |        |        |
| 2. Total Liabilities (TL)                       |        |        |        |
| 3. Current Assets (CA)                          |        |        |        |
| 4. Current Liabilities (CL)                     |        |        |        |
| 5. Total Revenues (TR)                          |        |        |        |
| 6. Profits Before Taxes (PBT)                   |        |        |        |
| 7. Profits After Taxes (PAT)                    |        |        |        |

**C. Annual turnover data (Construction only)**

Year Amount and Currency Rupees in Million

- 1.
- 2.
- 3.

Average annual construction turnover calculated as total certified payments received for work in progress or completed, divided by the number of years specified in Section-III, Qualification Criteria, Normally not be less than  $2 \times V/T$ , the estimated annual turnover or cash flow in the subject contract based on a straight-line projection of the Employer's Estimated cost (V) including contingencies, over the contract duration (T). The multiplier of two may be reduced for very large contracts but should be not be less than 1.5

**8. Litigation History**

Applicants, including each of the partners of a joint, venture, should provide information on any history of litigation or arbitration resulting from contracts executed in the last five year or currently under execute). A separate sheets should be used for each partners of joint venture.

**A. Decided Litigation**

| Year. | Award for or Against Applicant | Name of Client, Cause of litigation, and matter in dispute | Disputed amount (Current Value Pak Rs. Or equivalent) |
|-------|--------------------------------|--|---|
|       |                                |  |   |
|       |                                |  |   |
|       |                                |  |   |
|       |                                |  |   |

**B. Pending Litigation**

| Year. | Matter in Dispute | Value of Pending Claim in USS Equivalent | Value of pending claim as a percentage of Net Worth |
|-------|-------------------|--|---|
|       |                   |  |   |
|       |                   |  |   |
|       |                   |  |   |

Section IV. Scope of Contract: (Description of works and Period of completion)

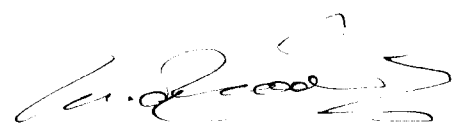
| Sr. No.   | Name of Work                 | Estimated Cost Million | Earnest Money Million | Completion Period | Tender Fee |
|---|------------------------------|------------------------|-----------------------|-------------------|------------|
| 1.  | -----As detailed in NIT----- |                        |                       |                   |            |
| <p style="text-align: center;">Specification drawings, items of works and quantities of items are provided in Financial Proposal Documents.</p> |                              |                        |                       |                   |            |

## ABSTRACT OF COST

| Sr.<br>No | DESCRIPTION              | COST |     |
|-----------|--------------------------|------|-----|
| 1.        | Total Tender Cost        | =    | Rs: |
| a)        | Non Schedule Items       | =    | Rs: |
|           | <b>NET TOTAL</b>         | =    | Rs: |
| 2.        | <b>Total Tender Cost</b> | =    | Rs: |

Rupees:- \_\_\_\_\_  
\_\_\_\_\_

Signature Contractor/Firm

  
EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG: DIVISION  
TANDO MUHAMMAD KHAN  
↓


## **SCHEDULE (A)**

### **TERMS & CONDITIONS OF CONTRACT.**

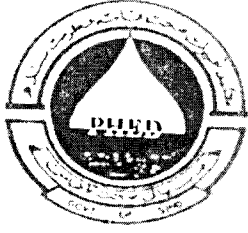
1. The Sindh sales tax special procedure (with holding) rules, 2011 shall apply to taxable services as are supplied, provided or rendered to persons, specified as with holding agents, in the with holding procedure, for the purpose of deduction and deposit of sales tax.
2. The Contract/Firm has to arrange potable water to use in construction on his cost.
3. The Contractor shall have to pay 0.30% of contract cost in shape of revenue stamp duty at the time of agreement.
4. 10% deposit will be received from contractor in shape of 2% call deposit alongwith bid and 8% shall be with held on all running bills.
5. All the material of approved quality will be used, Sample of the material, fixture, cement hill sand, crush, bricks pipes, fitting, UPVC, Electrical will be got approved in advance / before execution. For Pumping Machinery, Diesel Engine & Generator, Contractor will provide Manufacturers certificate which will be verified by Incharge Engineer before making payment samples shall be collected from each new lot stacked at site in the presence of Executive Engineer or representatives and jointly sealed and got tested from approved laboratory at contractor's own cost in case the contractor fails to comply with this condition.
6. The Contractor shall maintain at the site of work "Site Order Book" (of triplicate leaves) at his own cost for taking instructions and directions from the supervising monitoring officers/officials
7. The contractor shall at his own cost provide a suitable size high visibility signboard at each location indicating the details of project as approved by the Engineer in charge
8. No premium shall be allowed on non-schedule item and 1 year operation & maintenance component.
9. On successful completion of 1 year operation & maintenance, the contractor shall hand over the scheme to concerned Executive Engineer in sound and satisfactory running condition.

**10. PAYMENT MECHANISM.**

- A) The Contractor shall submit running bills against the work done at site to Executive Engineer for verification and payment.
- B) The amount of mobilization advance shall be proportionally deducted from each bill.
- C) Payment against 1 year operation & maintenance shall be made on monthly basis, evenly divided in 12 months for each completed scheme.
- D) No cost escalation shall be allowed on operation & maintenance component or part there of.
- E) The contractor shall submit copy of each paid electricity bill to Executive Engineer every month regularly.

  
**EXECUTIVE ENGINEER**  
**PUBLIC HEALTH ENGG: DIVISION**  
**TANDO MUHAMMAD KHAN**





EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG: DIVISION  
TANDO MUHAMMAD KHAN

**TENDER FOR THE WORK**

Issue to M/s \_\_\_\_\_ Tender fee for Rs. \_\_\_\_\_ Recieved  
Vide. \_\_\_\_\_ D.R No. \_\_\_\_\_ Dated: \_\_\_\_\_  
\_\_\_\_\_ Dated of opening of Tender \_\_\_\_\_

EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG: DIVISION  
TANDO MUHAMMAD KHAN

I/We hereby tender the execution for the Rehabilitation of Rural Water Supply / Drainage Schemes i/c One Year Operations & Maintenance of Schemes under written memorandum within the specified time in such memorandum at.

Percent ABOVE/BELOW the Estimate rated entered in the Schedule "B" Memorandum showing items of work to be carried out and in all respect with the specification designed and instructions writing referred to in Rule thereof.


- a). General Description: Rehabilitation of Rural Water Supply / Drainage Schemes i/c One Year Operations & Maintenance of Schemes.
- b). Estimated Cost: Rs: 20.00 Millions
- c). Earnest Money 2% Call Deposit: Rs: 0.400 Millions
- g). Time of Completion 12 Months

Should be this tender be accepted I/We hereby agree to abide be the fullfill all the terms and provisions of the conditions of contract annexed hereto so as applicable and in default hereof to forfeit any pay the \_\_\_\_\_ the sum of money mentioned in the said conditions.

Receipt No. \_\_\_\_\_ Dated: \_\_\_\_\_ from the Government Treasury / Sub-Treasury / \_\_\_\_\_ in respect of the sum of the Rs. \_\_\_\_\_ is her with forwarded representing the earnest money

a). The full value of which is to be absolutely forfeited to PHE Division ..... deposited the full amount of Security Deposit specified in the above memorandum in accordance with Clause of the said conditions otherwise the sum of Rs. \_\_\_\_\_ shall be remained by the PHE Division .....on account of such Security Deposit specified in relevant Cluase of the conditions/agreement.

N.B The Tenderer or is required to undertake that all terms and conditions of the printed B-I Forms inclusive of the additional conditions etc approved by the Executive Engineer PHE Division ..... will be binding on him and these will be includes and signed by him in the even acceptance of his tender.

  
EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG: DIVISION  
TANDO MUHAMMAD KHAN

**SCHEDULE 'B'**

**NAME OF WORK:- REHABILITATION OF RURAL DRAINAGE SCHEME GHULAM SHAH  
BAGRANI DISTRICT TANDO MUHAMMAD KHAN.**

| S.No | Description of Item to be executed at Site | Quantity | Rate | Unit | Amount |
|------|--|----------|------|------|--------|
|------|--|----------|------|------|--------|

**GROUP-A REPAIR OF COMPOUND WALL.**

|                |  |             |              |      |                    |
|----------------|--|-------------|--------------|------|--------------------|
| 1              | Removing cement or lime plaster (G.S.I.No. 53 P/14)  | 1477.00 Sft | @Rs 121.00   | %Sft | Rs 1787.00         |
| 2              | Cement plaster ratio (1:4) upto 12 ft height 1/2"thick (G.S.I.No. 10/b P/52)   | 2264.00 Sft | @Rs 2283.93  | %Cft | Rs 51708.00        |
| 3              | Cement pointing cement joints on wall ratio (1:3) (G.S.I.No. 19 P/53)/   | 1386.00 Sft | @Rs 1213.58  | %Sft | Rs 16820.00        |
| 4              | Repair of steel grated door main gate (R.A.Approved)   | 1.00 No     | @Rs 10000.00 | Each | Rs 10000.00        |
| 5              | Painting old surface:- (c ) preparing surface and painting of doors and windows any type, (including edges ) two susequent cost over primary coat three coats (GSI.No.5/cP/76) | 144.00 Sft  | @Rs 1662.21  | %Sft | Rs 2394.00         |
| <b>Total-A</b> |  |             |              |      | <b>Rs 82709.00</b> |

**GROUP-B REPAIR & RENOVATION OF PUMP HOUSE & HUT TYPE QUARTER**

|                |  |            |             |      |                    |
|----------------|--|------------|-------------|------|--------------------|
| 1              | Dismantalling cement concrete plain 1:2:4 (G.S.I.No. 19/C P/ 10)   | 53.04 Cft  | @Rs 3327.50 | %Cft | Rs 1765.00         |
| 2              | Providing and laying 1" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels (2" thick)(GSI.No.16/c P/46)                                | 312.00 Sft | @Rs 3275.50 | %Sft | Rs 10220.00        |
| 3              | Removing cement or lime plaster (G.S.I.No. 53 P/14)  | 969.00 Sft | @Rs 121.00  | %Cft | Rs 1172.00         |
| 4              | Cement plaster ratio (1:4) upto 12 ft height 1/2"thick (G.S.I.No. 10/b P/52)   | 969.00 Sft | @Rs 2283.93 | %Cft | Rs 22131.00        |
| 5              | White washing (one coats) (G.S.I.NO. 26 P/54)  | 969.00 Sft | @Rs 416.63  | %Sft | Rs 4037.00         |
| 6              | Colour washing (2 coats) (G.S.I.NO. 25 P/54)   | 969.00 Sft | @Rs 859.90  | %Sft | Rs 8332.00         |
| 7              | Painting old surface:- (c ) preparing surface and painting of doors and windows any type, (including edges ) two susequent cost over primary coat three coats (GSI.No.5/cP/76) | 184.00 Sft | @Rs 1662.21 | %Sft | Rs 3058.00         |
| <b>Total-B</b> |  |            |             |      | <b>Rs 38730.00</b> |

**GROUP-C REPAIR OF DRAINS.**

|   |  |              |              |       |              |
|---|--|--------------|--------------|-------|--------------|
| 1 | Excavation in foundation of building bridges and other structure including dag belling dressing, refilling around structure with excavated earth watering ramming lift upto 5ft and lead upto one chain in ordinary soil (G.S.I.NO: 18 P/4 ) | 13217.00 Cft | @Rs 3176.25  | %oCft | Rs 41980.00  |
| 2 | Cement concrete plain i/c placing compacting finishing and curring complete i/c screening and washing of stone aggregate without shuttering ratio 1:4:8 (G.S.I.No. 5 P/ 17)  | 1703.00 Cft  | @Rs 11288.75 | %Cft  | Rs 192247.00 |

| S.No  | Description of Item to be executed at Site  | Quantity     | Rate         | Unit  | Amount               |
|---|---|--------------|--------------|-------|----------------------|
| 3   | Pacca brick work in foundation and plinth in cement sand morar (1:6) (G.S.I.No. 4/e P/20).  | 9882.00 Cft  | @Rs 11948.36 | %Cft  | Rs 1180737.00        |
| 4   | Construction of standared open drains cunnette block of cement concrete (1:2:4) in situ to the design profile i/c cost of moduls as per drawing i/c supplying floating cost of cement 1/32" thick to the exposed surface finished smooth curring etc complete   |              |              |       |                      |
|   | <b>Type-A Drains</b>  | 1575.00 Rft  | @Rs 94.0     | P:Rft | Rs 148050.00         |
|   | <b>Type-B Drains</b>  | 1000.00 Rft  | @Rs 174.0    | P:Rft | Rs 174000.00         |
| 5   | Cement plaster (1:4) upto 20' ft: height 1/2" thick (GSI.No.11/b P/53)  | 16305.00 Sft | @Rs 2283.93  | %Sft  | Rs 372395.00         |
| 6   | Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid seperately. This rates also includes all kinds of forms moduls lifitting, shuttering, curring rendering and finishing the exposed surface (including screening and washing of shingle) (a) R.C work in roof slab beams columns rafts, lintles and other structural members laid in situ or precast laid in position complete in all respect ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle 1/8" to 1/4" guage (G.S.I.NO: 6/a P/15) | 197.00 Cft   | @Rs 337.00   | P:Cft | Rs 66389.00          |
| 10  | Fabrication of mild steel reinforcement for cement concrete including cutting, bending laying in position making joints and fastening including cost of binding wire (also includes removal of rust from bars) (G.S.I.NO: 8/a P/16)   | 7.03 Cwt     | @Rs 5001.70  | P:Cwt | Rs 35162.00          |
| <b>Total-C</b>                                    |   |              |              |       | <b>Rs 2210960.00</b> |
| <b><u>GROUP-D CLEANING OF DRAINS.</u></b>         |   |              |              |       |                      |
| 1   | Earth work excavation in ashes, sand soft soil or silt clearance undressed lead upto 50ft ft (GSINo.2 P/1)  | 7691.37 Cft  | @Rs 1663.75  | %oCft | Rs 12797.00          |
| 2   | Extra for wet earth (G.S.I.No. 13 P/3)  | 7691.37 Cft  | @Rs 1058.75  | %oCft | Rs 8143.00           |
| 3   | Extra for every 50ft additional lead or part thereof (a) for earth work (soft ordinary,hard soil) (G.S.I.NO. 8 P/ 2 )   | 7691.37 Cft  | @Rs 3023.40  | %oCft | Rs 23254.00          |
| <b>Total-D</b>                                    |   |              |              |       | <b>Rs 44194.00</b>   |
| <b><u>GROUP-E REPAIR OF PUMPING MACHINERY</u></b> |   |              |              |       |                      |
| 1   | Repair of pump (KSB) (M.R) (R.A.Approved)   | 2.00 No      | @Rs 10000.0  | Each  | Rs 20000.00          |
| 2   | Repair of Diesel Engine (12 BHP) (M.R)  | 1.00 No      | @Rs 10000.0  | Each  | Rs 10000.00          |
| 3   | Making / installing M.S. pipe made out of M.S.sheet 1/4"thick cutting bending folding to correct curvature and shape i/c weldiing etc complete (As per approved R.A.Approved based on schedule).  |              |              |       |                      |
|   | 4"dia Pipe  | 20.00 Rft    | @Rs 506.60   | P:Rft | Rs 10132.00          |
|   | 6"dia Pipe  | 8.00 Rft     | @Rs 596.75   | P:Rft | Rs 4774.00           |

| S.No           | Description of Item to be executed at Site  | Quantity  | Rate         | Unit  | Amount              |
|----------------|---|-----------|--------------|-------|---------------------|
| 4              | Making / installing M.S flanges made out of M.S.Sheet 3/8"thick cutting, bending, folding to correct curvature and shape i/c welding etc complete (R.A.Approved based on Schedule).   |           |              |       |                     |
|                | 4"dia   | 4.00 No   | @Rs 596.75   | Each  | Rs 2387.00          |
|                | 6"dia   | 2.00 No   | @Rs 804.77   | Each  | Rs 1610.00          |
| 5              | Supplying C.I.Foot valve heavy pattern test pressure with cone type gate (M.S.I.No. 2 P/11)   | 2.00 No   | @Rs 893.75   | Each  | Rs 1788.00          |
| 6              | Supplying C.I.Bend with flanged ends with holes i/c turning facing for all size (M.S.I.No. 8 P/ 12 ).   | 0.72 Cwt  | @Rs 6096.0   | P:Cwt | Rs 4389.00          |
| 7              | Jointing C.I/M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts, bolts with washers etc, and other tools required for jointing and testing the joints to the specified pressure etc complet |           |              |       |                     |
|                | 4"dia Pipe  | 2.00 No   | @Rs 513.00   | Each  | Rs 1026.00          |
|                | 6"dia Pipe  | 4.00 No   | @Rs 938.00   | Each  | Rs 3752.00          |
| 8              | Cement concrete plain i/c placing compacting finishing and curring complete i/c screening and washing of stone aggregate without shuttering ratio 1:2:4 (G.S.I.No.5/A P/16).  | 20.00 Cft | @Rs 14429.25 | %Cft  | Rs 2886.00          |
| 9              | Cement concrete brick or stone ballast 1:1/2" to 2" guage (Ratio 1:4:8) (GSI.No.4/b P/15)   | 7.50 Cft  | @Rs 9416.28  | %Cft  | Rs 706.00           |
| 10             | F.D. wiring in PVC casing wiring for main 3-7/0.64 wire 1/7" PVC casing of coping (ESI.No. 21 P/3)  | 50.00 Rft | @Rs 892.0    | P:Rft | Rs 44600.00         |
| <b>Total-E</b> |   |           |              |       | <b>Rs 108050.00</b> |

**GROUP-F CLEANING OF SCREENING CHAMBER AND COLLECTING TANK.**

|                |   |             |             |       |                    |
|----------------|---|-------------|-------------|-------|--------------------|
| 1              | Earth work excavation in ashes, sand soft soil or silt clearance undressed lead upto 50ft ft (GSINo.2 P/1)            | 1866.00 Cft | @Rs 1663.75 | %oCft | Rs 3105.00         |
| 2              | Extra for wet earth (G.S.I.No. 13 P/3)  | 1866.00 Cft | @Rs 1058.75 | %oCft | Rs 1976.00         |
| 3              | Extra for every 50ft additional lead or part thereof (a) for earth work (soft ordinary,hard soil) (G.S.I.NO. 8 P/ 2 ) | 1866.00 Cft | @Rs 3023.40 | %oCft | Rs 5642.00         |
| <b>Total-F</b> |   |             |             |       | <b>Rs 10723.00</b> |

**GROUP-G REPAIR OF RISING MAIN.**

|   |  |             |             |       |              |
|---|--|-------------|-------------|-------|--------------|
| 1 | Excavation for pipe line in trenches and pits in soft soils i/c trimming and dressing sides to ture alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within one chain as directed by Engineer Incharge. Providing fence guards light flangs and wherver required lift upto 5 ft and (1.52)lead upto one chain (30.50m) (P.H.S.I.NO: 1 P/60) | 6300.00 Cft | @Rs 3600.00 | %oCft | Rs 22680.00  |
| 2 | Providing uPVC pipe of class 'B' (equivalent make) fixing in trenches (including cutting fitting and jointing with 'Z' joint with one rubber rings i/c testing with water to a head of 64m or 200 ft (PHSINo. 1 P/22)  | 800.00 Rft  | @Rs 262.00  | P:Rft | Rs 209600.00 |
|   | 6"dia  |             |             |       |              |

| S.No           | Description of Item to be executed at Site  | Quantity    | Rate        | Unit    | Amount              |
|----------------|---|-------------|-------------|---------|---------------------|
| 3              | C.I.Short piece (M.S.I.No. 14 P/ 18)  | 2.00 No     | @Rs 618.75  | Each    | Rs 1238.00          |
| 4              | Supplying C.I.Bend with flanged ends with holes i/c turning facing for all size (M.S.I.No. 8 P/ 12 ).   | 0.36 Cwt    | @Rs 6096.0  | P:Cwt   | Rs 2195.00          |
| 5              | Providing Chamber 2-1/3'x1-1/2' (915x615 mm) insidamension 4-1/2' (1372mm) deep as per approved design for sluice valve to 12"dia with 18" (457mm) dia inside cast iron cover and frame (wt= 1 cwt 3 sq) fixed in RCC 1:2:4 (102mm) thick (with 5 lbs steel per cft) 9" (299 mm) thick brick masonry wall set in 1:6 cement mortar 6" (1152 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 to top i/c providing and fixing M.S. foot rest at every one foot beyond 2-1/2 ft depth curing, excavation, back filling and disposal of surplus earth etc complete (PHS. I.No.Q-1 P/ 49) | 1.00 No     | @Rs 18820.0 | Each    | Rs 18820.00         |
| 6              | Jointing C.I./M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts, bolts with washers etc, and other tools required for jointing and testing the joints to the specified pressure etc complet 6"dia  | 2.00 No     | @Rs 938.00  | P:Joint | Rs 1876.00          |
| 7              | Refilling the excavated stuff in trenches 6"thick layers i/c watering rammtng to full compaction etc complete (P.H.S.I.NO: 24 P/ 77)  | 5670.00 Cft | @Rs 2760.00 | %oCft   | Rs 15649.00         |
| <b>Total-G</b> |   |             |             |         | <b>Rs 272058.00</b> |

**GROUP-H C.C.BLOCK.**

|                |   |              |              |       |                     |
|----------------|---|--------------|--------------|-------|---------------------|
| 1              | Barrow pit excavation undressed lead upto 100 ft (in ordinary soil) (G.S.I.No. 3 P/1).  | 5683.00 Cft  | @Rs 2117.50  | %oCft | Rs 12034.00         |
| 2              | Earth work compaction (Soft ordinary or hard soil) laying earth in 6" layer levelling & dressing & watering for compaction etc complete (G.S.I.No. 13/b P/3).               | 18900.00 Cft | @Rs 354.00   | %oCft | Rs 6691.00          |
| 3              | Errection & Removal of cenetering for R.C.C or plain cement concrete work of partal wood (2nd class) vertical (G.S.I.No. 18 P/ 18)  | 604.00 Sft   | @Rs 3127.41  | %Sft  | Rs 18890.00         |
| 4              | Cement concrete brick or stone ballast 1-1/2" to 2" guage ratio 1:4:8 (G.S.I.No. 4 P/ 15).  | 4158.00 Cft  | @Rs 9416.28  | %Cft  | Rs 391529.00        |
| 5              | Cement concrete plain i/c placing compacting finishing and curring complete i/c screening and washing of stone aggregate without shuttering ratio 1:2:4 (G.S.I.No. 5 P/ 16) | 3150.00 Cft  | @Rs 14429.25 | %Cft  | Rs 454521.00        |
| <b>Total-H</b> |   |              |              |       | <b>Rs 883665.00</b> |

| S.No   | Description of Item to be executed at Site  | Quantity     | Rate        | Unit     | Amount              |
|--|---|--------------|-------------|----------|---------------------|
| <b>GROUP-I CONSTRUCTION OF OXIDATION POND.</b> |   |              |             |          |                     |
| 1  | Excavation for tanks and reservoir in Soft Soil i/c trimming and dressing sides to true alignment and design section / profile and shape levelling of beds of tanks to correct level and grade i/c laying of earth in 6"layers for construction of banks and dressing and disposal of surplus earth within a one chain as directed by Engineer Incharge i/c providing fence, guards light, flages wherever required lift upto 5ft (1.52m) and lead upto one chain (30.50m) (P.H.S.I.No. 1 P/ 67)            | 6995.00 Cft  | @Rs 3000.00 | %oCft Rs | 20985.00            |
| 2  | Excavation for tanks and reservoir in Wet Soil clay or mud i/c trimming and dressing sides to true alignment and design section / profile and shape levelling of beds of tanks to correct level and grade i/c laying of earth in 6"layers for construction of banks and dressing and disposal of surplus earth within a one chain as directed by Engineer Incharge i/c providing fence, guards light, flages wherever required lift upto 5ft (1.52m) and lead upto one chain (30.50m) (P.H.S.I.No. 1 P/ 67) | 4146.75 Cft  | @Rs 4800.00 | %oCft Rs | 19904.00            |
| 3  | Earth work compaction (Soft, ordinary or hard soil) laying earth in 6"layers levelling dressing & watering for compaction etc complete (G.S.I.No. 13/b P/3).  | 16973.00 Cft | @Rs 354.00  | %oCft Rs | 6008.00             |
| 4  | Barrow pit excavation undressed lead upto 100 ft (in ordinary soil) (G.S.I.No. 3 P/1).  | 5831.00 Cft  | @Rs 2117.50 | %oCft Rs | 12347.00            |
| 5  | Excavation for pipe line in trenches and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within one chain as directed by Engineer Incharge. Providing fence guards light flangs and wherver required lift upto 5 ft and (1.52)lead upto one chain (30.50m) (P.H.S.I.NO: 1 P/60)  | 360.00 Cft   | @Rs 3600.00 | %oCft Rs | 1296.00             |
| 6  | Providing R.C.C Pipe of ASTM C-76 - 70 class-II wall B and fixing in trenches i/c cutting fitting and jointing with rubber rings i/c testing with water to specified pressure (P.H.S.I.No. (B) 1 P/ 18) <b>15"dia Pipe</b>  | 72.00 Rft    | @Rs 515.0   | P:Rft Rs | 37080.00            |
| 7  | Refilling the excavated stuff in trenches 6"thick layers i/c watering ramming to full compaction etc complete (P.H.S.I.NO: 24 P/ 77)  | 324.00 Cft   | @Rs 2760.00 | %oCft Rs | 894.00              |
| 8  | Extra for every 50ft additional lead or part thereof (a) for earth work (soft ordinary,hard soil) (G.S.I.NO. 8 P/ 2 )   | 5831.00 Cft  | @Rs 1814.04 | %oCft Rs | 10578.00            |
| <b>Total-I</b>                                 |   |              |             |          | <b>Rs 109092.00</b> |

| S.No | Description of Item to be executed at Site | Quantity | Rate | Unit | Amount |
|------|--|----------|------|------|--------|
|------|--|----------|------|------|--------|


**ABSTRACT OF COST**

|         |  |  |  |                |                   |
|---------|--|--|--|----------------|-------------------|
| GROUP-A | REPAIR OF COMPOUND WALL                          |  |  | Rs             | 82709             |
| GROUP-B | REPAIR OF PUMP HOUSE & CHOWKIDAR HUT             |  |  | Rs             | 38730             |
| GROUP-C | REPAIR OF DRAINS                                 |  |  | Rs             | 2210960           |
| GROUP-D | CLEANING OF SURFACE DRAINS                       |  |  | Rs             | 44194             |
| GROUP-E | REPAIR OF PUMPING MACHINERY                      |  |  | Rs             | 108050            |
| GROUP-F | CLEANING OF SCREENING CHAMBER & COLLECTING TANK. |  |  | Rs             | 10723             |
| GROUP-G | REPAIR OF RISING MAIN                            |  |  | Rs             | 272058            |
| GROUP-H | C.C. BLOCK                                       |  |  | Rs             | 883665            |
| GROUP-I | CONSTRUCTION OF OXIDATION POND.                  |  |  | Rs             | 109092            |
|         |  |  |  | <b>G.Total</b> | <b>Rs 3760181</b> |

**TERMS & CONDITIONS:-**

- 1 Any error provision in description on item qty and unit will be governed by relevant schedule of rates and relevant rate analysis.
- 2 The decision of the Superintending Engineer will be install and binding an all the parties in any shape.
- 3 The rates should be inclusive of all taxes
- 4 No separate caring will paid.
- 5 No premium will be allowed on Non-schedule items.

**FIRM/ CONTRACTOR**

  
**EXECUTIVE ENGINEER**  
 PUBLIC HEALTH ENGG:DIVISION  
 TANDO MUHAMMAD/KHAN

**SCHEDULE 'B'****NAME OF WORK:- REHABILITATION OF WATER SUPPLY SCHEME MULLA KATIAR  
DISTRICT TANDO MOHAMMAD KHAN.**

| S.No  | Description of Item to be executed at Site  | Quantity    | Rate         | Unit  | Amount       |
|---|---|-------------|--------------|-------|--------------|
| <b><u>GROUP-A REPAIR OF COMPOUND WALL AND PUMP HOUSE.</u></b> |   |             |              |       |              |
| 1   | Pacca brick work in ground floor in cement sand morar (1:6) (G.S.I.No. 5 P/24 ).  | 298.51 Cft  | @Rs 12674.36 | %Cft  | Rs 37834.00  |
| 2   | Pacca brick work other than building i/c strucking joint upto 20ft hieight in cement sand morar (1:6) (G.S.I.No. 7 P/22 ).  | 1083.00 Cft | @Rs 12346.65 | %Cft  | Rs 133714.00 |
| 3   | Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid seperately. This rates also includes all kinds of forms moduls lifitting, shuttering, curring rendering and finishing the exposed surface (including screening and washing of shingle) (a) R.C work in roof slab beams columns rafts, lintles and other structural members laid in situ or precast laid in position complete in all respect ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle 1/8" to 1/4" guage (G.S.I.NO: 6/a P/15) | 142.00 Cft  | @Rs 337.00   | P:Cft | Rs 47854.00  |
| 4   | Fabrication of mild steel reinforcement for cement concrete including cutting, bending laying in position making joints and fastening including cost of binding wire (also includes removal of rust from bars) (G.S.I.NO: 8/a P/16)   | 5.70 Cwt    | @Rs 5001.70  | P:Cwt | Rs 28510.00  |
| 5   | Cement concrete plain i/c placing compacting finishing and curring complete i/c screening and washing of stone aggregate without shuttering ratio 1:3:6 (G.S.I.No.5/I P/17).  | 953.00 Cft  | @Rs 12595.00 | %Cft  | Rs 120030.00 |
| 6   | Errection and removal of cenetering for RCC or plain cement concrete work of partal wood vertical (G.S.I.No. 18/b/I P/19).  | 1270.00 Sft | @Rs 3127.41  | %Sft  | Rs 39718.00  |
| 7   | Cement plaster 1:4 upto 12' ft height 1/2" thick (GSI.No.11/b P/52)   | 3552.00 Sft | @Rs 2283.93  | %Sft  | Rs 81125.00  |
| 8   | Cement pointing cement joints on wall ratio (1:3) (G.S.I.No. 19 P/53)./   | 3585.00 Sft | @Rs 1213.58  | %Sft  | Rs 43507.00  |
| 9   | Providing and laying 1" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels (2" thick)(GSI.No.16/c P/46)   | 120.00 Sft  | @Rs 3275.50  | %Sft  | Rs 3931.00   |
| 10  | 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 (weight not to be less than 3.7 lbs/sq. foot of finished grill (GSI.No.26 P/92)   | 32.00 Sft   | @Rs 180.50   | P:Sft | Rs 5776.00   |
| 11  | Painting old surface:- ( c ) preparing surface and painting of doors and windows any type, (including edges ) two susequent cost over primary coat three coats (GSI.No.5/cP/76)   | 32.00 Sft   | @Rs 1662.21  | %Sft  | Rs 532.00    |
| 12  | Painting new surface:- ( c ) preparing surface and painting of doors and windows (including edges ) (GSI.No.5/cP/70)  | 190.00 Sft  | @Rs 2116.41  | %Sft  | Rs 4021.00   |
| 13  | White washing (three coats) (G.S.I.NO. 26/c P/54)   | 3672.00 Sft | @Rs 829.95   | %Sft  | Rs 30476.00  |



| S.No           | Description of Item to be executed at Site   | Quantity    | Rate         | Unit  | Amount               |
|----------------|--|-------------|--------------|-------|----------------------|
| 14             | Colour washing (2 coats) (G.S.I.NO. 25 P/54)   | 2985.00 Sft | @Rs 859.90   | %Sft  | Rs 25668.00          |
| 15             | Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2"x2"x3/8" and 3/4" square bars 4" centre to centre with locking arrangement (GSI.No.24 P/91) | 94.75 Sft   | @Rs 726.72   | P:Sft | Rs 68857.00          |
| 16             | Cement concrete brick or stone ballast 1:1/2" to 2" guage (Ratio 1:4:8) (GSI.No.4/b P/15)  | 2930.00 Cft | @Rs 9416.28  | %Cft  | Rs 275897.00         |
| 17             | Cement concrete plain i/c placing compacting finishing and curring complete i/c screening and washing of stone aggregate without shuttering ratio 1:2:4 (G.S.I.No.5 P/16).           | 2220.00 Cft | @Rs 14429.25 | %Cft  | Rs 320329.00         |
| 18             | Dismantalling cement concrete reinforcement seperating reinforcement from concrete cleaning and straightening the same (G.S.I.No. 20 P/ 10)  | 106.00 Cft  | @Rs 5445.00  | %Cft  | Rs 5772.00           |
| 19             | Dismantalling brick work in lime or cement mortar (G.S.I.No. 13 P/ 10)   | 298.51 Cft  | @Rs 1285.63  | %Cft  | Rs 3838.00           |
| <b>Total-A</b> |  |             |              |       | <b>Rs 1277389.00</b> |

#### **GROUP-B REPAIR OF STORAGE TANKS.**

|                |   |             |              |       |                     |
|----------------|---|-------------|--------------|-------|---------------------|
| 1              | Carriage 100 cft/ 5 tons of all material like stone aggregate spawl, coal, lime, surkhi etc BG rail fastening and crossing bridge, Girders, Pipes, Sheets, Rails, M.B.Bars etc or 1000 Nos Bricks 10"x5"x3" or 1000 Nos Tiles, 12"x6"x2"or 150 cft of Timber or 100 Munds of fuel wood by trucks or any other meen owned by the contractor. | 1738.00 Cft | @Rs 407.00   | %Cft  | Rs 7074.00          |
| 2              | Re-handling of earth work upto lead of 50ft (G.S.I.No.9/b P/2)  | 1738.00 Cft | @Rs 1058.75  | %oCft | Rs 1840.00          |
| 3              | Earth work compaction undressed sofr or ordinary soil lead upto 50ft ft (GSINO.13 P/3)  | 1738.00 Cft | @Rs 354.00   | %oCft | Rs 615.00           |
| 6              | Cement concrete plain i/c placing compacting finishing and curring complete i/c screening and washing of stone aggregate without shuttering ratio 1:3:6 etc (G.S.I.No.5/l P/16).  | 6526.00 Cft | @Rs 12595.00 | %Cft  | Rs 821950.00        |
| 7              | Pacca brick work in ground floor in cement sand morar (1:6) (G.S.I.No. 5 P/24 ).  | 476.00 Cft  | @Rs 12674.36 | %Cft  | Rs 60330.00         |
| 8              | Cement plaster 1:4 upto 12' ft height 1/2" thick (GSI.No.11/b P/52)   | 2756.00 Sft | @Rs 2283.93  | %Sft  | Rs 62945.00         |
| <b>Total-B</b> |   |             |              |       | <b>Rs 954754.00</b> |

#### **GROUP-C REPLACEMENT OF DAMAGE PIPE**

##### **LINE I/C G.I.PIPE**

|   |  |              |             |       |              |
|---|--|--------------|-------------|-------|--------------|
| 1 | Excavation for pipe line in trenches and pits in soft soils i/c trimming and dressing sides to ture alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within one chain as directed by Engineer Incharge. Providing fence guards light flangs and wherver required lift upto 5 ft and (1.52)lead upto one chain (30.50m) (P.H.S.I.NO: 1 P/60) | 31125.00 Cft | @Rs 3600.00 | %oCft | Rs 112050.00 |
| 2 | Dismantalling cement concrete plain 1:4:8 (G.S.I.No. 19/b P/ 10)   | 500.00 Cft   | @Rs 1663.75 | %Cft  | Rs 8319.00   |

| S.No | Description of Item to be executed at Site   | Quantity     | Rate         | Unit  | Amount       |
|------|--|--------------|--------------|-------|--------------|
| 3    | Dismantalling cement concrete plain 1:2:4 (G.S.I.No. 19/b P/ 10)   | 250.00 Cft   | @Rs 3327.50  | %Cft  | Rs 8319.00   |
| 4    | Cement concrete brick or stone ballast 1:1/2" to 2" guage (Ratio 1:4:8) (GSI.No.4/b P/15)  | 330.00 Cft   | @Rs 9416.28  | %Cft  | Rs 31074.00  |
| 5    | Cement concrete plain i/c placing compacting finishing and curring complete i/c screening and washing of stone aggregate without shuttering ratio 1:2:4 (G.S.I.No.5/A P/16).   | 250.00 Cft   | @Rs 14429.25 | %Cft  | Rs 36073.00  |
| 6    | Providing uPVC pipe of class 'B' (equivalent make) fixing in trenches (including cutting fitting and jointing with 'Z' joint with one rubber rings i/c testing with water to a head of 64m or 200 ft (PHSINo. 1 P/22)  |              |              |       |              |
|      | 6"dia Pipe   | 1000.00 Rft  | @Rs 262.00   | P:Rft | Rs 262000.00 |
|      | 4"dia Pipe   | 1500.00 Rft  | @Rs 137.00   | P:Rft | Rs 205500.00 |
|      | 3"dia Pipe   | 2500.00 Rft  | @Rs 90.00    | P:Rft | Rs 225000.00 |
| 7    | Supplying Cast iron specials for F.C pressure pipe 'B' class (M.S.I.No.1 P/12)   |              |              |       |              |
|      | Tee 4"x4"x4"   | 2.00 No      | @Rs 1375.00  | Each  | Rs 2750.00   |
|      | Tee Un-Equal 4"x3"x3"  | 1.00 No      | @Rs 956.25   | Each  | Rs 956.00    |
| 8    | Air valve double acting 3"x1" (M.S.I.No. P/ ) 6"dia  | 1.00 No      | @Rs 4000.00  | Each  | Rs 4000.00   |
| 9    | C.I. F.H.Tee (M.S.I.No. 10 P/ 17) 4"dia  | 1.00 No      | @Rs 1375.00  | Each  | Rs 1375.00   |
| 10   | Bend 90o (M.S.I.No. 1 P/ 14)   |              |              |       |              |
|      | 4"dia Pipe   | 2.00 No      | @Rs 893.75   | Each  | Rs 1788.00   |
|      | 3"dia Pipe   | 2.00 No      | @Rs 650.00   | Each  | Rs 1300.00   |
| 11   | C.I.Gibault joint (M.S.I.No. 14 P/ 18)   |              |              |       |              |
|      | 4"dia Pipe   | 1.00 No      | @Rs 731.25   | Each  | Rs 731.00    |
|      | 3"dia Pipe   | 2.00         | @Rs 568.75   | Each  | Rs 1138.00   |
| 12   | C.I.Tail piece (M.S.I.No. 14 P/ 18)  |              |              |       |              |
|      | 4"dia Pipe   | 2.00 No      | @Rs 487.50   | Each  | Rs 975.00    |
|      | 3"dia Pipe   | 4.00 No      | @Rs 375.00   | Each  | Rs 1500.00   |
| 13   | Jointing C.I./M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts, bolts with washers etc, and other tools required for jointing and testing the joints to the specified pressure etc complet |              |              |       |              |
|      | 3"dia Pipe   | 2.00 No      | @Rs 513.00   | Each  | Rs 1026.00   |
|      | 4"dia Pipe   | 4.00 No      | @Rs 499.00   | Each  | Rs 1996.00   |
| 14   | Refilling the excavated stuff in trenches 6"thick layers i/c watering rammtng to full compaction etc complete (P.H.S.I.NO: 24 P/ 77)   | 28012.50 Cft | @Rs 2760.00  | %oCft | Rs 77315.00  |

| S.No | Description of Item to be executed at Site   | Quantity    | Rate       | Unit  | Amount               |
|------|--|-------------|------------|-------|----------------------|
| 15   | Providing G.I.Pipe & specials etc i/c fixing complete with 2-1/2" the cost of cutting trench up to 2-1/2 feet deep refilling watering remaining and disposal of surplus 2 coats within one chain and painting 2 coats of bitumen pair to pipes and specials after claiming and hassain cloth so asked in maxphalt composition wrapped tightly round pipes and testing to pressure head of 200 ft and handling (M.S.I.No. 1 P/4) Internal fittings. |             |            |       |                      |
|      | 3"dia Pipe   | 1000.00 Rft | @Rs 355.27 | P:Rft | Rs 355270.00         |
|      | 1/2"dia Pipe   | 80.00 Rft   | @Rs 64.88  | P:Rft | Rs 5190.00           |
|      | 6"dia Pipe   | 200.00 Rft  | @Rs 835.39 | P:Rft | Rs 167078.00         |
|      | <b>Total-C</b>   |             |            |       | <b>Rs 1512723.00</b> |

#### GROUP-D REPAIR OF PUMPING MACHINERY

|   |   |           |              |       |              |
|---|---|-----------|--------------|-------|--------------|
| 1 | Making / installing M.S. pipe made out of M.S.sheet 1/4"thick cutting bending folding to correct curvature and shape i/c weldiing etc complete (As per approved R.A.Approved based on schedule).  |           |              |       |              |
|   | 4"dia Pipe  | 16.00 Rft | @Rs 506.60   | P:Rft | Rs 8106.00   |
|   | 6"dia Pipe  | 20.00 Rft | @Rs 749.34   | P:Rft | Rs 14987.00  |
| 2 | Making / installing M.S flanges made out of M.S.Sheet 3/8"thick cutting, bending, folding to correct curvature and shape i/c welding etc complete (R.A.Approved based on Schedule).   |           |              |       |              |
|   | 4"dia   | 4.00 No   | @Rs 596.75   | Each  | Rs 2387.00   |
|   | 6"dia   | 4.00 No   | @Rs 804.77   | Each  | Rs 3219.00   |
| 3 | Supplying C.I.Foot valve heavy pattern test pressure with cone type gate (M.S.I.No. 2 P/11) 4"dia   | 2.00 No   | @Rs 893.75   | Each  | Rs 1788.00   |
| 4 | Supplying C.I.Bend with flanged ends with holes i/c turning facing for all size (M.S.I.No. 8 P/ 12 ).   | 0.36 Cwt  | @Rs 6096.0   | P:Cwt | Rs 2195.00   |
| 5 | Jointing C.I/M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts, bolts with washers etc, and other tools required for jointing and testing the joints to the specified pressure etc complet |           |              |       |              |
|   | 4"dia Pipe  | 2.00 No   | @Rs 513.00   | Each  | Rs 1026.00   |
|   | 6"dia Pipe  | 2.00 No   | @Rs 938.00   | Each  | Rs 1876.00   |
| 6 | Repair of Transformer i/c re-winding of 3 Nos coil of transformer by new carridge from site of work shift and reinstalled at site of cost of burnt wire etc complete (R.A.Approved).  | 1.00 No   | @Rs 66800.00 | Each  | Rs 66800.00  |
| 7 | Supplying of ETA Norm Pump 50-16 for discharge 125 gpm against head of 100ft (N.S.I)  | 2.00 No   | @Rs 153016.0 | Each  | Rs 306032.00 |
| 8 | Supplying 10 BHP Semens made motor (2900RPM) (M.R)  | 1.00 No   | @Rs 67116.0  | Each  | Rs 67116.00  |
| 9 | Supplying of Diesel Engine (12 BHP) (China Made) (M.R)  | 1.00 No   | @Rs 35100.0  | Each  | Rs 35100.00  |

| S.No   | Description of Item to be executed at Site  | Quantity     | Rate         | Unit    | Amount              |
|--|---|--------------|--------------|---------|---------------------|
| 10   | Motor control unit (MCU) for 10 BHP (M.R)   | 1.00 No      | @Rs 48750.0  | Each    | Rs 48750.00         |
| 11   | Providing main or sub-main PVC insulated size 3/7/0.64 (10mm) capacity conductor 1"dia PVC conduit surface (E.S.I.No. 21 P/1)   | 250.00 Met r | @Rs 892.0    | P:Meter | Rs 223000.00        |
| <b>Total-D</b>                                       |   |              |              |         | <b>Rs 782382.00</b> |
| <b><u>GROUP-E CONSTRUCTION OF L.S.R (05 NOS)</u></b> |   |              |              |         |                     |
| 1  | Excavation in foundation of building bridges and other structure including dag belling dressing, refilling arround structure with excavated earth watering ramming lift upto 5ft and lead upto one chain (in ordinary soil) (G.S.I.NO: 18 P/4 )   | 225.00 Cft   | @Rs 3176.25  | %oCft   | Rs 715.00           |
| 2  | Cement concrete plain i/c placing compacting finishing and curring complete i/c screening and washing of stone aggregate without shuttering ratio 1:4:8 (G.S.I.No.5/l P/17).  | 105.48 Cft   | @Rs 11288.75 | %Cft    | Rs 11907.00         |
| 3  | Cement concrete plain i/c placing compacting finishing and curring complete i/c screening and washing of stone aggregate without shuttering ratio 1:2:4 (G.S.I.No.5/l P/17).  | 95.00 Cft    | @Rs 14429.25 | %Cft    | Rs 13708.00         |
| 4  | Pacca brick work in foundation and plinth in cement sand morar (1:6) (G.S.I.No. 4/i P/3 ).  | 221.00 Cft   | @Rs 11948.36 | %Cft    | Rs 26406.00         |
| 5  | Filling watering and remaining earth in under floor with surplus earth from foundation lead upto one chain and lift upto 5 ft (GSI.No.21 P/4)   | 72.80 Cft    | @Rs 1512.50  | %oCft   | Rs 110.00           |
| 6  | Cement plaster 1:4 upto 12' ft height 1/2" thick (GSI.No.11/b P/51)   | 362.00 Sft   | @Rs 2283.93  | %Sft    | Rs 8268.00          |
| 7  | Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid seperately. This rates also includes all kinds of forms moduls lifitting, shuttering, curring rendering and finishing the exposed surface (including screening and washing of shingle) (a) R.C work in roof slab beams columns rafts, lintles and other structural members laid in situ or precast laid in position complete in all respect ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle 1/8" to 1/4" guage (G.S.I.NO: 6/a P/15) | 398.26 Cft   | @Rs 337.00   | P:Cft   | Rs 134214.00        |
| 8  | Fabrication of mild steel reinforcement for cement concrete including cutting, bending laying in position making joints and fastening including cost of binding wire (also includes removal of rust from bars) (G.S.I.NO: 8/a P/16)   | 19.55 Cwt    | @Rs 5001.70  | P:Cwt   | Rs 97783.00         |
| 9  | Providing "Expansion joint" in concrete work 9" wide corrugated P.V.C water stop (with bulb) i/c soldering cost of material and labour etc complete (PHS.I.No. 2 P/56)  | 67.51 Rft    | @Rs 86.00    | P:Rft   | Rs 5806.00          |
| 10   | Cement plaster 1:3 upto 12' ft height 1/2" thick (GSI.No.11/b P/51)   | 888.62 Sft   | @Rs 3015.76  | %Sft    | Rs 26799.00         |
| 11   | Supply of Dampoo (M.S.I.No. 46 P/4)   | 20.40 Lbs    | @Rs 56.81    | P:Lbs   | Rs 1159.00          |
| 12   | Providing G.I.Pipe standared approved quality (R.A.Approved)  |              |              |         |                     |
|  | 3/4"dia Pipe  | 9.00 Rft     | @Rs 72.36    | P:Rft   | Rs 651.00           |
|  | 3"dia Pipe  | 32.00 Rft    | @Rs 338.17   | P:Rft   | Rs 10821.00         |

| S.No | Description of Item to be executed at Site  | Quantity | Rate        | Unit  | Amount     |
|------|---|----------|-------------|-------|------------|
| 13   | Making / installing M.S flanges made out of M.S.Sheet 3/8"thick cutting, bending, folding to correct curvature and shape i/c welding etc complete (R.A.Approved based on Schedule). 3"dia   | 8.00 No  | @Rs 500.89  | Each  | Rs 4007.00 |
| 14   | Supplying and fixing in position brass bib cock 3/4"dia standard pattern (S.I.No. 1 P/18) 3/4"dia   | 12.00 No | @Rs 300.00  | Each  | Rs 3600.00 |
| 15   | Supplying C.I.Bend with flanged ends with holes i/c turning facing for all size (M.S.I.No. 8 P/ 12 ).   | 0.58 Cwt | @Rs 6096.0  | P:Cwt | Rs 3536.00 |
| 16   | Supplying Cast iron specials for F.C pressure pipe 'B' class (M.S.I.No.1 P/12) Short piece 3"dia  | 1.00 No  | @Rs 375.00  | Each  | Rs 375.00  |
| 17   | Jointing C.I/M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts, bolts with washers etc, and other tools required for jointing and testing the joints to the specified pressure etc complet | 12.00 No | @Rs 499.00  | Each  | Rs 5988.00 |
| 18   | Providing C.I.Man hole cover with frame i/c cost of material (P.H.S.I.No. 1 P/35)   | 1.00 No  | @Rs 6985.00 | Each  | Rs 6985.00 |
| 19   | C.I.Sluice valve heavy pattern test pressure 21 kg/sq cum or 300 lbs/inch (PHSI.No. J/i P/35) 3"dia   | 1.00 No  | @Rs 4290.00 | Each  | Rs 4290.00 |
| 20   | P/F C.I.Ventilator to be less than 90 lbs once in roof tank of approved design rain with water right joints i/c painting etc complete (P.H.S.I.No. 14 P/55)   | 1.00 No  | @Rs 4870.00 | Each  | Rs 4870.00 |

**Total-G Cost of 01 No L.S.R.**

**Rs 371988.00**

**Cost of (05 Nos) L.S.R**

**Rs 2231988.00**


### ABSTRACT OF COST

|                |  |           |                |
|----------------|--|-----------|----------------|
| GROUP-A        | REPAIR OF COMPOUND WALL AND PUMP HOUSE       | Rs        | 1277389        |
| GROUP-B        | REPAIR OF STORAGE TANKS                      | Rs        | 954754         |
| GROUP-C        | REPLACEMENT OF DAMAGE PIPE LINE I/C G.I.PIPE | Rs        | 1512723        |
| GROUP-D        | REPAIR OF PUMPING MACHINERY                  | Rs        | 782382         |
| GROUP-E        | CONSTRUCTION OF L.S.R (06 NOS)               | Rs        | 2231988        |
| <b>G.Total</b> |  | <b>Rs</b> | <b>6759236</b> |

### TERMS & CONDITIONS:-

- 1 Any error provision in description on item qty and unit will be governed by relevant schedule of rates and relevant rate analysis.
- 2 The decision of the Superintending Engineer will be install and binding on all the parties in any shape.
- 3 The rates should be inclusive of all taxes
- 4 No separate caring will paid.
- 5 No premium will be allowed on Non-schedule items.

**FIRM/ CONTRACTOR**

  
**EXECUTIVE ENGINEER**  
 PUBLIC HEALTH ENGG:DIVISION  
 TANDO MUHAMMAD KHAN

**SCHEDULE 'B'**

**NAME OF WORK:- REHABILITATION OF URBAN FILTRATION WATER SUPPLY  
SCHEME TANDO GHULAM HYDER DISTRICT TANDO MOHAMMAD  
KHAN.**

| S.No | Description of Item to be executed at Site | Quantity | Rate | Unit | Amount |
|------|--|----------|------|------|--------|
|------|--|----------|------|------|--------|

**GROUP-A REPAIR & RENOVATION OF STORAGE TANKS.**

|    |   |              |              |       |              |
|----|---|--------------|--------------|-------|--------------|
| 1  | Stone pitching hand packed with surface leveled off to the correct section with hammer dressed stone and void filled in cement mortar in floors of bridges and along hands and apron etc i/c three chain lead (G.S.I.No. 24 P/31)   | 3190.41 Cft  | @Rs 7708.47  | %Cft  | Rs 245932.00 |
| 2  | Pointing flush on stone work (ii) in cement mortar (1:3) (G.S.I.No. 20 P/53).   | 4253.90 Sft  | @Rs 1758.08  | %Sft  | Rs 74787.00  |
| 3  | Errection & removal of centering for RCC or plain c.c. work of deodar wood 2nd class vertical (G.S.I.No. 18/b P/18)   | 1180.00 Sft  | @Rs 3127.41  | %Sft  | Rs 36903.00  |
| 4  | Cement concrete brick or stone ballast 1:1/2" to 2" guage (Ratio 1:4:8) (GSI.No.4/b P/15)   | 8758.50 Sft  | @Rs 9416.28  | %Sft  | Rs 824725.00 |
| 5  | Cement concrete plain i/c placing compacting finishing and curring complete i/c screening and washing of stone aggregate without shuttering ratio 1:3:6 (G.S.I.No.5/I P/16).  | 590.00 Cft   | @Rs 12595.00 | %Cft  | Rs 74311.00  |
| 6  | Cement concrete plain i/c placing compacting finishing and curring complete i/c screening and washing of stone aggregate without shuttering ratio 1:2:4 (G.S.I.No.5/I P/16).  | 3404.00 Cft  | @Rs 14429.25 | %Cft  | Rs 491172.00 |
| 7  | Pacca brick work in foundation & plinth in cement mortar (G.S.I.No. 4 P/20).  | 7332.00 Cft  | @Rs 12501.41 | %Cft  | Rs 916603.00 |
| 8  | Cement plaster ratio (1:3) upto 12 ft height 1/2"thick (G.S.I.No. 10/b P/52)  | 7144.00 Cft  | @Rs 2344.59  | %Cft  | Rs 167498.00 |
| 9  | Carriage 100 cft/ 5 tons of all material like stone aggregate spawl, coal, lime, surkhi etc BG rail fastening and crossing bridge, Girders, Pipes, Sheets, Rails, M.B.Bars etc or 1000 Nos Bricks 10"x5"x3" or 1000 Nos Tiles, 12"x6"x2"or 150 cft of Timber or 100 Munds of fuel wood by trucks or any other meen owned by the contractor. | 19928.00 Cft | @Rs 407.00   | %Cft  | Rs 81107.00  |
| 10 | Rehnadling of earth work lead upto one chain shingle or one chain pharwah upto lead of 50ft (G.S.I.No. 9 P/2).  | 19928.00 Cft | @Rs 1058.75  | %oCft | Rs 21099.00  |
| 11 | Earth work compaction through earth 6"layer levelling & dressing complete (G.S.I.No.13P/3)  | 19928.00 Cft | @Rs 354.00   | %oCft | Rs 7055.00   |

**Total-A**

**Rs 2941192.00**

**GROUP-B REPAIR & RENOVATION OF PUMP HOUSE.**

|   |   |           |             |      |            |
|---|---|-----------|-------------|------|------------|
| 1 | Cement concrete brick or stone ballast 1:1/2" to 2" guage (Ratio 1:4:8) (GSI.No.4/b P/15) | 47.00 Cft | @Rs 9416.28 | %Cft | Rs 4426.00 |
|---|---|-----------|-------------|------|------------|

| S.No | Description of Item to be executed at Site  | Quantity   | Rate         | Unit     | Amount   |
|------|---|------------|--------------|----------|----------|
| 2    | Cement concrete plain i/c placing compacting finishing and curring complete i/c screening and washing of stone aggregate without shuttering ratio 1:3:6 (G.S.I.No.5/I P/17).  | 153.00 Cft | @Rs 12595.00 | %Cft Rs  | 19270.00 |
| 3    | Errection and removal of cenetering for RCC or plain cement concrete work of partial wood vertical (G.S.I.No. 18/b/I P/19).   | 306.00 Sft | @Rs 3127.41  | %Sft Rs  | 9570.00  |
| 4    | Pacca brick work in ground floor in cement sand morar (1:6) (G.S.I.No. 5 P/24 ).  | 298.51 Cft | @Rs 12674.36 | %Cft Rs  | 37834.00 |
| 5    | Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid seperately. This rates also includes all kinds of forms moduls lifitting, shuttering, curring rendering and finishing the exposed surface (including screening and washing of shingle) (a) R.C work in roof slab beams columns rafts, lintles and other structural members laid in situ or precast laid in position complete in all respect ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle 1/8" to 1/4" guage (G.S.I.NO: 6/a P/15) | 106.00 Cft | @Rs 337.00   | P:Cft Rs | 35722.00 |
| 6    | Fabrication of mild steel reinforcement for cement concrete including cutting, bending laying in position making joints and fastening including cost of binding wire (also includes removal of rust from bars) (G.S.I.NO: 8/a P/16)   | 4.25 Cwt   | @Rs 5001.70  | P:Cwt Rs | 21257.00 |
| 7    | Cement plaster 1:4 upto 12' ft height 1/2" thick (GSI.No.11/b P/52)   | 454.25 Sft | @Rs 2283.93  | %Sft Rs  | 10375.00 |
| 8    | Cement pointing cement joints on wall ratio (1:3) (G.S.I.No. 19 P/53)./   | 435.00 Sft | @Rs 1213.58  | %Sft Rs  | 5279.00  |
| 9    | Providing and laying 1" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels (2" thick)(GSI.No.16/c P/46)   | 120.00 Sft | @Rs 3275.50  | %Sft Rs  | 3931.00  |
| 10   | Dismantalling cement concrete reinforcement seperating reinforcement from concrete cleaning and straightening the same (G.S.I.No. 20 P/ 10)   | 106.00 Cft | @Rs 5445.00  | %Cft Rs  | 5772.00  |
| 11   | Dismantalling brick work in lime or cement mortar (G.S.I.No. 13 P/ 10)  | 298.51 Cft | @Rs 1285.63  | %Cft Rs  | 3838.00  |
| 12   | Dismantalling cement concrete plain 1:4:8 (G.S.I.No. 19/b P/ 10)  | 47.00 Cft  | @Rs 1663.75  | %Cft Rs  | 782.00   |
| 13   | Dismantalling cement concrete plain 1:3:6 (G.S.I.No. 19/b P/ 10)  | 153.00 Cft | @Rs 1306.80  | %Cft Rs  | 1999.00  |
| 14   | White washing (one coats) (G.S.I.NO. 26 P/54)   | 909.00 Sft | @Rs 416.63   | %Sft Rs  | 3787.00  |
| 15   | White washing (three coats) (G.S.I.NO. 26/a P/54)   | 204.00 Sft | @Rs 829.95   | %Sft Rs  | 1693.00  |
| 16   | Colour washing (2 coats) (G.S.I.NO. 25 P/54)  | 909.00 Sft | @Rs 859.90   | %Sft Rs  | 7816.00  |
| 20   | Painting old surface:- (c ) preparing surface and painting of doors and windows any type, (including edges ) two susequent cost over primary coat three coats (GSI.No.5/cP/76)  | 105.50 Sft | @Rs 1662.21  | %Sft Rs  | 1754.00  |

**Total-B**

**Rs 175105.00**

| S.No  | Description of Item to be executed at Site  | Quantity   | Rate         | Unit    | Amount              |
|---|---|------------|--------------|---------|---------------------|
| <b><u>GROUP-C SUPPLYING &amp; FIXING OF ELECTRIC MOTOR &amp; DIESEL ENGINE.</u></b> |   |            |              |         |                     |
| 1   | Providing A.C.Electric motor 5.50 BHP type 112M phase 50 cycle 400/420 volts of 1450 RPM 4 pole (Siemens).                                  | 1.00 No    | @Rs 50694.00 | Each    | Rs 50694.00         |
| 2   | Providing A.C.Electric motor 15 BHP 3 phase 50 cycle 400/420 volts of 160M (1450RPM) 4 pole (Siemens).                                      | 1.00 No    | @Rs 111027.0 | Each    | Rs 111027.00        |
| 3   | Providing, fixing diesel engine 8.0 BHP 2200 RPM (Pak China lion braud type 180-A) complete with standard accessories (M.R) (R.A.Approved)  | 1.00 No    | @Rs 23400.0  | Each    | Rs 23400.00         |
| 4   | Motor control unit (MCU)  |            |              |         |                     |
|   | For 5.5. BHP  | 1.00 No    | @Rs 45000.0  | Each    | Rs 45000.00         |
|   | For 15 BHP  | 1.00 No    | @Rs 50000.0  | Each    | Rs 50000.00         |
| 5   | Providing laying main or sub-main PVC insulated sizew with 3/7-/064 (10mm) capacity conductor 1"dia PVC conduit on surface (GSI.No. 21 P/3) | 200.00 Mtr | @Rs 892.0    | P:Meter | Rs 178400.00        |
| <b>Total-C</b>  |   |            |              |         | <b>Rs 458521.00</b> |

**GROUP-D REDIVERSION OF RISING MAIN.**

|                |  |             |             |         |                    |
|----------------|--|-------------|-------------|---------|--------------------|
| 1              | Excavation for pipe line in trenches and pits in soft soils i/c trimming and dressing sides to ture alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within one chain as directed by Engineer Incharge. Providing fence guards light flangs and wherver required lift upto 5 ft and (1.52)lead upto one chain (30.50m) (P.H.S.I.NO: 1 P/60) | 3150.00 Cft | @Rs 3600.00 | %oCft   | Rs 11340.00        |
| 2              | Laying black steel pipe of all type & fixing in trenches i/c cutting fitting etc complete (PHSI.No.2 P/35) Pipe is available at site 6"dia   | 400.00 Rft  | @Rs 30.00   | P:Rft   | Rs 12000.00        |
| 3              | Refilling the excavated stuff in trenches 6"thick layers i/c watering rammtng to full compaction etc complete (P.H.S.I.NO: 24 P/ 77)   | 2835.00 Cft | @Rs 2760.00 | %oCft   | Rs 7825.00         |
| 4              | Supplying C.I.Bend with flanged ends with holes i/c turning facing for all size (M.S.I.No. 8 P/ 12 ).  | 0.36 Cwt    | @Rs 6096.0  | P:Cwt   | Rs 2195.00         |
| 5              | Jointing C.I/M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts, bolts with washers etc, and other tools required for jointing and testing the joints to the specified pressure etc complet (P.H.S.I.No. M P/ 35 )   | 2.00 No     | @Rs 938.0   | P:Joint | Rs 1876.00         |
| <b>Total-D</b> |  |             |             |         | <b>Rs 35236.00</b> |

**GROUP-E REPAIR OF COMPOUND WALL.**

|   |  |            |             |       |             |
|---|--|------------|-------------|-------|-------------|
| 1 | Excavation in foundation of building bridges and other structure including dag belling dressing, refilling around structure with excavated earth watering ramming lift upto 5ft and lead upto one chain (in ordinary soil) (G.S.I.NO: 18 P/4 ) | 360.00 Cft | @Rs 3176.25 | %oCft | Rs 1143.00  |
| 2 | Cement concrete brick or stone ballast 1:1/2" to 2" guage (Ratio 1:4:8) (GSI.No.4/b P/15)  | 120.00 Cft | @Rs 9416.28 | %Cft  | Rs 11300.00 |



| S.No           | Description of Item to be executed at Site   | Quantity   | Rate         | Unit  | Amount              |
|----------------|--|------------|--------------|-------|---------------------|
| 3              | Erection and removal of centering for RCC or plain cement concrete work of partial wood vertical (G.S.I.No. 19/b/I P/18).  | 960.00 Sft | @Rs 3127.41  | %Sft  | Rs 30023.00         |
| 4              | Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering ratio 1:3:6 (G.S.I.No.5/H P/16).          | 480.00 Cft | @Rs 12595.00 | %Cft  | Rs 60456.00         |
| 5              | Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2"x2"x3/8" and 3/4" square bars 4" centre to centre with locking arrangement (GSI.No.24 P/91) | 72.00 Sft  | @Rs 726.72   | P:Sft | Rs 52324.00         |
| 6              | Pacca brick work other than building i/c striking of joint upto 20ft height in cement sand mortar (1:6) (G.S.I.No. c P/22).  | 223.00 Cft | @Rs 12346.65 | %Cft  | Rs 27533.00         |
| 7              | Cement plaster 1:4 upto 12' ft height 1/2" thick (GSI.No.1/b P/53)   | 960.00 Sft | @Rs 2283.93  | %Sft  | Rs 21926.00         |
| 8              | White washing (one coats) (G.S.I.NO. 26 P/54)  | 960.00 Sft | @Rs 416.63   | %Sft  | Rs 4000.00          |
| 9              | Colour washing (2 coats) (G.S.I.NO. 25 P/54)   | 960.00 Sft | @Rs 859.90   | %Sft  | Rs 8255.00          |
| <b>Total-E</b> |  |            |              |       | <b>Rs 216960.00</b> |

**GROUP-F REPLACEMENT OF DAMAGE PIPE  
LINE I/C G.I.PIPE**

|   |   |             |              |       |             |
|---|---|-------------|--------------|-------|-------------|
| 1 | Excavation for pipe line in trenches and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within one chain as directed by Engineer Incharge. Providing fence guards light flangs and wherever required lift upto 5 ft and (1.52)lead upto one chain (30.50m) (P.H.S.I.NO: 1 P/60) | 5812.50 Cft | @Rs 3600.00  | %oCft | Rs 20925.00 |
| 2 | Dismantling cement concrete plain 1:4:8 (G.S.I.No. 19/b P/ 10)  | 500.00 Cft  | @Rs 1663.75  | %Cft  | Rs 8319.00  |
| 3 | Dismantling cement concrete plain 1:2:4 (G.S.I.No. 19/b P/ 10)  | 250.00 Cft  | @Rs 3327.50  | %Cft  | Rs 8319.00  |
| 4 | Cement concrete brick or stone ballast 1:1/2" to 2" gauge (Ratio 1:4:8) (GSI.No.4/b P/15)   | 330.00 Cft  | @Rs 9416.28  | %Cft  | Rs 31074.00 |
| 5 | 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.No.5/A P/16).   | 250.00 Cft  | @Rs 14429.25 | %Cft  | Rs 36073.00 |
| 6 | Providing uPVC pipe of class 'B' (equivalent make) fixing in trenches (including cutting fitting and jointing with 'Z' joint with one rubber rings i/c testing with water to a head of 64m or 200 ft (PHSINO. 1 P/60))  | 300.00 Rft  | @Rs 262.00   | P:Rft | Rs 78600.00 |
|   | 4"dia Pipe  | 200.00 Rft  | @Rs 137.00   | P:Rft | Rs 27400.00 |
|   | 3"dia Pipe  | 500.00 Rft  | @Rs 90.00    | P:Rft | Rs 45000.00 |
| 7 | Providing G.I.Pipe railing of 1"dia (M.R) (R.A.Approved)  | 166.00 Rft  | @Rs 314.95   | P:Rft | Rs 52282.00 |
| 8 | Providing & fixing C.I.Foot step (R.A.Approved)   | 18.00 No    | @Rs 181.65   | Each  | Rs 3270.00  |

| S.No | Description of Item to be executed at Site   | Quantity | Rate        | Unit  | Amount      |
|------|--|----------|-------------|-------|-------------|
| 9    | Supplying & fixing ventilator (PHSINo.4 P/53)  | 1.00 No  | @Rs 4870.00 | Each  | Rs 4870.00  |
| 10   | Providing C.I.Man hole cover with frame i/c cost of material (P.H.S.I.No. 1 P/35)  | 1.00 No  | @Rs 6985.00 | Each  | Rs 6985.00  |
| 11   | Supplying Cast iron specials for F.C pressure pipe 'B' class (M.S.I.No.1 P/12)   |          |             |       |             |
|      | Tee 4"x4"x4"   | 2.00 No  | @Rs 1375.00 | Each  | Rs 2750.00  |
|      | Tee Un-Equal 4"x3"x3"  | 1.00 No  | @Rs 956.25  | Each  | Rs 956.00   |
| 12   | C.I. F.H.Tee (M.S.I.No. 10 P/ 17) 4"dia  | 1.00 No  | @Rs 1375.00 | Each  | Rs 1375.00  |
| 13   | Bend 90o (M.S.I.No. 1 P/ 14)   |          |             |       |             |
|      | 4"dia Pipe   | 2.00 No  | @Rs 893.75  | Each  | Rs 1788.00  |
|      | 3"dia Pipe   | 2.00 No  | @Rs 650.00  | Each  | Rs 1300.00  |
| 14   | C.I.Gibault joint (M.S.I.No. 14 P/ 18)   |          |             |       |             |
|      | 4"dia Pipe   | 1.00 No  | @Rs 731.25  | Each  | Rs 731.00   |
|      | 3"dia Pipe   | 2.00     | @Rs 568.75  | Each  | Rs 1138.00  |
| 15   | C.I.Gibault joint (M.S.I.No. 14 P/ 18)   |          |             |       |             |
|      | 4"dia Pipe   | 2.00 No  | @Rs 487.50  | Each  | Rs 975.00   |
|      | 3"dia Pipe   | 4.00 No  | @Rs 375.00  | Each  | Rs 1500.00  |
| 16   | Jointing C.I./M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts, bolts with washers etc, and other tools required for jointing and testing the joints to the specified pressure etc complet (P.H.S.I.No. M P/ 35 )  |          |             |       |             |
|      | 4"dia Pipe   | 2.00 No  | @Rs 513.00  | Each  | Rs 1026.00  |
|      | 3"dia Pipe   | 4.00 No  | @Rs 499.00  | Each  | Rs 1996.00  |
|      | 6"dia Pipe   | 3.00 No  | @Rs 938.00  | Each  | Rs 2814.00  |
| 17   | Providing Chamber 2-1/3'x1-1/2' (915x615 mm) insidamension 4-1/2' (1372mm) deep as per approved design for sluice valve to 12"dia with 18" (457mm) dia inside cost iron cover and frame (wt= 1 cwt 3 sq) fixed in RCC 1:2:4 (102mm) thick (with 5 lbs steel per cft) 9" (299 mm) thick brick masonry wall set in 1:6 cement mortor 6" (1152 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 to top i/c providing and fixing M.S. foot rest at every one foot beyond 2-1/2 ft depth curing, excavation, back filling and disposal of surplus earth etc complete (PHS. I.No.Q-1 P/ 49 ) | 1.00 No  | @Rs 18820.0 | Each  | Rs 18820.00 |
| 18   | Making / installing M.S. pipe made out of M.S.sheet 1/4"thick cutting bending folding to correct curvature and shape i/c weldiing etc complete (As per approved R.A.Approved based on schedule).   |          |             |       |             |
|      | 8"dia Pipe   | 12.00 No | @Rs 980.20  | P:Rft | Rs 11762.00 |
|      | 10"dia Pipe  | 10.00 No | @Rs 1226.76 | P:Rft | Rs 12268.00 |

| S.No | Description of Item to be executed at Site   | Quantity    | Rate         | Unit  | Amount              |
|------|--|-------------|--------------|-------|---------------------|
| 19   | Making / installing M.S flanges made out of M.S.Sheet 3/8"thick cutting, bending, folding to correct curvature and shape i/c welding etc complete (R.A.Approved based on Schedule).  |             |              |       |                     |
|      | 8"dia  | 2.00 No     | @Rs 1002.44  | Each  | Rs 2005.00          |
|      | 10"dia   | 2.00 No     | @Rs 1228.87  | Each  | Rs 2458.00          |
| 20   | Supplying C.I.Foot valve heavy pattern test pressure with cone type gate (M.S.I.No. 2 P/11)  | 2.00 No     | @Rs 893.75   | Each  | Rs 1788.00          |
| 21   | Supplying C.I.Bend with flanged ends with holes i/c turning facing for all size (M.S.I.No. 8 P/ 12 ).  | 0.13 Cwt    | @Rs 6096.0   | P:Cwt | Rs 799.00           |
| 22   | Supplying of Transformer i/c re-winding of 3 Nos coil of transformer by new carriage from site of work shift and reinstalled at site of cost of burnt wire etc complete (R.A.Approved).  | 1.00 No     | @Rs 66800.00 | Each  | Rs 66800.00         |
| 23   | Refilling the excavated stuff in trenches 6"thick layers i/c watering ramming to full compaction etc complete (P.H.S.I.NO: 24 P/ 77)   | 5231.25 Cft | @Rs 2760.00  | %oCft | Rs 14438.00         |
| 24   | Providing G.I.Pipe & specials etc i/c fixing complete with 2-1/2" the cost of cutting trench up to 2-1/2 feet deep refilling watering remaining and disposal of surplus 2 coats within one chain and painting 2 coats of bitumen pair to pipes and specials after claiming and hassain cloth so asked in maxphalt composition wrapped tightly round pipes and testing to pressure head of 200 ft and handling (M.S.I.No. 1 P/4) Internal fittings. |             |              |       |                     |
|      | 3"dia Pipe   | 100.00 Rft  | @Rs 360.40   | P:Rft | Rs 36040.00         |
|      | 1/2"dia Pipe   | 600.00 Rft  | @Rs 73.21    | P:Rft | Rs 43926.00         |
|      | 6"dia Pipe   | 200.00 Rft  | @Rs 818.86   | P:Rft | Rs 163772.00        |
|      | <b>Total-F</b>   |             |              |       | <b>Rs 716342.00</b> |

#### **GROUP-G CONSTRUCTION OF L.S.R (04 NOS)**

|   |  |            |              |       |             |
|---|--|------------|--------------|-------|-------------|
| 1 | Excavation in foundation of building bridges and other structure including dag belling dressing, refilling around structure with excavated earth watering ramming lift upto 5ft and lead upto one chain (in ordinary soil) (G.S.I.NO: 18 P/4 ) | 225.00 Cft | @Rs 3176.25  | %oCft | Rs 715.00   |
| 2 | Cement concrete plain i/c placing compacting finishing and curring complete i/c screening and washing of stone aggregate without shuttering ratio 1:4:8 (G.S.I.No.5/I P/17).   | 105.48 Cft | @Rs 11288.75 | %Cft  | Rs 11907.00 |
| 3 | Cement concrete plain i/c placing compacting finishing and curring complete i/c screening and washing of stone aggregate without shuttering ratio 1:2:4 (G.S.I.No.5/I P/17).   | 95.00 Cft  | @Rs 14429.25 | %Cft  | Rs 13708.00 |
| 4 | Pacca brick work in foundation and plinth in cement sand morar (1:6) (G.S.I.No. 4/i P/3 ).   | 221.00 Cft | @Rs 11948.36 | %Cft  | Rs 26406.00 |
| 5 | Filling watering and remaining earth in under floor with surplus earth from foundation lead upto one chain and lift upto 5 ft (GSI.No.21 P/4)  | 72.80 Cft  | @Rs 1512.50  | %oCft | Rs 110.00   |
| 6 | Cement plaster 1:4 upto 12' ft height 1/2" thick (GSI.No.11/b P/51)  | 362.00 Sft | @Rs 2283.93  | %Sft  | Rs 8268.00  |

| S.No                                | Description of Item to be executed at Site  | Quantity   | Rate        | Unit  | Amount               |
|-------------------------------------|---|------------|-------------|-------|----------------------|
| 7                                   | Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rates also includes all kinds of forms moduls lifting, shuttering, curring rendering and finishing the exposed surface (including screening and washing of shingle) (a) R.C work in roof slab beams columns rafts, lintles and other structural members laid in situ or precast laid in position complete in all respect ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle 1/8" to 1/4" guage (G.S.I.NO: 6/a P/15) | 398.26 Cft | @Rs 337.00  | P:Cft | Rs 134214.00         |
| 8                                   | Fabrication of mild steel reinforcement for cement concrete including cutting, bending laying in position making joints and fastening including cost of binding wire (also includes removal of rust from bars) (G.S.I.NO: 8/a P/16)   | 19.55 Cwt  | @Rs 5001.70 | P:Cwt | Rs 97783.00          |
| 9                                   | Providing "Expansion joint" in concrete work 9" wide corrugated P.V.C water stop (with bulb) i/c soldering cost of material and labour etc complete (PHS.I.No. 2 P/56)  | 67.51 Rft  | @Rs 86.00   | P:Rft | Rs 5806.00           |
| 10                                  | Cement plaster 1:3 upto 12' ft height 1/2" thick (GSI.No.11/b P/51)   | 888.62 Sft | @Rs 3015.76 | %Sft  | Rs 26799.00          |
| 11                                  | Supply of Dampoo (M.S.I.No. 46 P/4)   | 20.40 Lbs  | @Rs 56.81   | P:Lbs | Rs 1159.00           |
| 12                                  | Providing G.I.Pipe standared approved quality (R.A.Approved)  |            |             |       |                      |
|                                     | 3/4"dia Pipe  | 9.00 Rft   | @Rs 72.36   | P:Rft | Rs 651.00            |
|                                     | 3"dia Pipe  | 32.00 Rft  | @Rs 338.17  | P:Rft | Rs 10821.00          |
| 13                                  | Making / installing M.S flanges made out of M.S.Sheet 3/8"thick cutting, bending, folding to correct curvature and shape i/c welding etc complete (R.A.Approved based on Schedule).<br>3"dia  | 8.00 No    | @Rs 500.89  | Each  | Rs 4007.00           |
| 14                                  | Supplying and fixing in position brass bib cock 3/4"dia standared pattern (S.I.No. 1 P/18) 3/4"dia  | 12.00 No   | @Rs 300.00  | Each  | Rs 3600.00           |
| 15                                  | Supplying C.I.Bend with flanged ends with holes i/c turning facing for all size (M.S.I.No. 8 P/ 12 ).   | 0.58 Cwt   | @Rs 6096.0  | P:Cwt | Rs 3536.00           |
| 16                                  | Supplying Cast iron specials for F.C pressure pipe 'B' class (M.S.I.No.1 P/12) Short piece 3"dia  | 1.00 No    | @Rs 375.00  | Each  | Rs 375.00            |
| 17                                  | Jointing C.I/M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts, bolts with washers etc, and other tools required for jointing and testing the joints to the specified pressure etc complet (P.H.S.I.No. M P/ 35 ) 3"dia  | 12.00 No   | @Rs 499.00  | Each  | Rs 5988.00           |
| 18                                  | Providing C.I.Man hole cover with frame i/c cost of material (P.H.S.I.No. 1 P/35)   | 1.00 No    | @Rs 6985.00 | Each  | Rs 6985.00           |
| 19                                  | C.I.Sluice valve heavy pattern test pressure 21 kg/sq cum or 300 lbs/inch (PHSI.No. J/i P/35) 3"dia   | 1.00 No    | @Rs 4290.00 | Each  | Rs 4290.00           |
| 20                                  | P/F C.I.Ventilator to be less than 90 lbs once in roof tank of approved design rain with water right joints i/c painting etc complete (P.H.S.I.No. 14 P/55)   | 1.00 No    | @Rs 4870.00 | Each  | Rs 4870.00           |
| <b>Total-G Cost of 01 No L.S.R.</b> |   |            |             |       | <b>Rs 371998.00</b>  |
| <b>Cost of (04 Nos) L.S.R</b>       |   |            |             |       | <b>Rs 1487992.00</b> |

| S.No | Description of Item to be executed at Site | Quantity | Rate | Unit | Amount |
|------|--|----------|------|------|--------|
|------|--|----------|------|------|--------|


**ABSTRACT OF COST**

|         |  |  |  |                |                   |
|---------|--|--|--|----------------|-------------------|
| GROUP-A | REPAIR & RENOVATION OF STROAGE TANKS                 |  |  | Rs             | 2941192           |
| GROUP-B | REPAIR & RENOVATION OF PUMP HOUSE                    |  |  | Rs             | 175105            |
| GROUP-C | SUPPLYING & FIXING OF ELECTRIC MOTOR & DIESEL ENGINE |  |  | Rs             | 458521            |
| GROUP-D | RE-DIVERSION OF RISING MAIN                          |  |  | Rs             | 35236             |
| GROUP-E | REPAIR OF COMPOUND WALL                              |  |  | Rs             | 216960            |
| GROUP-F | REPLACEMENT OF DAMAGE PIPE LINE I/C G.I.PIPE         |  |  | Rs             | 716342            |
| GROUP-G | CONSTRUCTION OF L.S.R (04 NOS)                       |  |  | Rs             | 1487992           |
|         |  |  |  | <b>G.Total</b> | <b>Rs 6031348</b> |

**TERMS & CONDITIONS:-**

- 1 Any error provision in description on item qty and unit will be governed by relevant schedule of rates and relevant rate analysis.
- 2 The decision of the Superintending Engineer will be install and binding an all the parties in any shape.
- 3 The rates should be inclusive of all taxes
- 4 No separate caring will paid.
- 5 No premium will be allowed on Non-schedule items.

**FIRM/ CONTRACTOR**

  
**EXECUTIVE ENGINEER**  
 PUBLIC HEALTH ENGG:DIVISION  
 TANDO MUHAMMAD KHAN