

PUBLIC HEALTH ENGINEERING DEPARTMENT  
GOVERNMENT OF SINDH

PUBLIC HEALTH ENGINEERING DIVISION MATIARI



BIDDING DOCUMENTS WITH FINANCIAL  
PROPOSAL

FOR

NAME OF WORK:-

Rehabilitation of Rural Drainage Schemes in  
District Matiari including one year Operation &  
Maintenance of Schemes

Name of Department:	Public Health Engineering Department.
Name of Procuring Agency:	Executive Engineer, Public Health Engg. Division Matiari

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

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**NAME OF WORK:-**

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

Name of Department:	Public Health Engineering Department.
Name of Procuring Agency:	Executive Engineer, Public Health Engg: Division Matiari

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

(1)

**1. Introduction:**

Office of the Executive Engineer, PHE Division Matiari intends to carry out the work for "Rehabilitation of Rural Water Supply and Drainage Schemes in District Matiari 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 following Taluka of District Matiari.

Sr. No.	Location of Work	Taluka
1.	Rehabilitation of Drainage Scheme Arzi	Matiari
2.	Rehabilitation of Drainage Scheme Darya Khan Talpur	Matiari
3.	Rehabilitation of Drainage Scheme Bachal Waryah	Matiari
4.	Rehabilitation of Drainage Scheme Masri Jakhrejo	Matiari
5.	Rehabilitation of Drainage Scheme Khando	Hala
6.	Rehabilitation of Drainage Scheme Old Saeedabad	Saeedabad

(ii). Estimate Cost: Rs.42,907,700/- (In Million)

(iii). Completion Period: 06 Months

(iv). Tender Fee Rs.3,000/-

iv) 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 qualify according to the eligibility criteria.

**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:-

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

FOR

Rehabilitation of Rural Water Supply / Drainage Schemes in Matiari 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 not be responsible for the misplacement or pre-mature 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 of bidding document in writing, and respond to such queries shall be made in writing within 3 calendar days, provided such clarification are received at least five calendar days prior to the date of opening of 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 communicated in writing to all who have obtained the bidding document.

Clause-7      **Extension of Deadline for submission of Documents.**

The procuring agency may extend the dead line date of submission of bids in line with the SPPRA RULE-22 (1) (2).

Clause-8      **Submission of bids (SPPRA RULE 24 (1) (2))**

- i) Bids shall be submitted on the place, date and time and in the manner specified in the tender notice and bidding documents and any bid submitted late due to any reason whatsoever, shall not be considered by the procurement committee.
- ii) The bidders may submit bids on the bidding documents issued by the procuring agency or can be downloaded from the authority's website alongwith tender fee by mail or by hand.

**Clause-9 Accuracy of Documentation.**

In case of any information/documents submitted by bidder is found to be false/wrong, the bid shall be liable to rejection.

**4. Section-II 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 remedies 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/Mobilization Payment

The Procuring Agency shall make an advance Payment/Mobilization advance upto 10% of the contract prices to the Contractor (a) on submission by the Contractor of a mobilization advance guarantee for the full amount of the advance in the specified form, from a Schedule Bank in Pakistan, acceptable to the procuring agency (b) Contractor shall pay interest on the mobilization advance at the rate of 10% per annum on the full amount of advance.

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 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.

To,

The Executive Engineer,  
Public Health Engineering,  
Division Matiari

WHEREAS the contract of Rehabilitation of Rural Water Supply / Drainage Schemes in Matiari 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/-

(7)

To,

The Executive Engineer,  
Public Health Engineering,  
Division Matiari

Dear Sir,

**SUBJECT:** Financial Bid and Documents/information required for "Rehabilitation or Rural Water Supply / Drainage Schemes in Matiari 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, issued in accordance with ITB Clause-6.
  - (b). I understand that Procuring Agency may cancel the tendering process at any time and 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 to the applicants.
  - (c). Bids of 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: \_\_\_\_\_

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

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(ii) Information on Projects of Similar nature and equivalent value.

Contractor/Firm should provide information of the works of similar nature and equivalent value in the following format supported by documentary evidence

<b>Name of Contract</b>	<b>Value of Contract</b>	<b>Name of Procuring Agency</b>	<b>Completion Date</b>

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

Year	Amount	Rupees in Million

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 not be less than 1.5

## A-VIII

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 Current Value Pak Rs. Or Equivalent	Value of pending claim as a percentage of Net Worth

(12)

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----				

Specification drawings, items of works and quantities of items are provided in Financial Proposal Documents.

**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% security deposit will be received from contractor 2% of bid amount / Tender cost the safe of 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.

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**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 proportionately 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, payable at the end of every month.
- 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.
- F) No premium allowed on Operation & Maintenance cost items.

**EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG: DIVISION  
MATIARI**

**OFFICE OF THE EXECUTIVE ENGINEER PUBLIC HEALTH ENGINEERING DIVISION  
MATIARI**



**TENDER FOR THE WORK**

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

**EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG: DIVISION**

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: \_\_\_\_\_ Millions
- c). Earnest Money 2% Call Deposit: Rs: \_\_\_\_\_
- g). Time of Completion \_\_\_\_\_

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  
MATIARI**



SCHEDULE-B

NAME OF WORK: REHABILITATION RURAL DRAINAGE SCHEME  
ARZI HAKRO TALUKA & DISTRICT MATIARI.

S#	ITEMS	QUANTITY	RATE	UNIT	AMOUNT
<u>A.REPAIR / CONSTT: OF SURFACE DRAINS.</u>					
1.	Earth work excavation in ashes sup sail or silt clearance undressed Lead up to 50 ft (GSI No: 2 P/1).	3275.20Cft	@Rs:1663/75	P%oCft	Rs: 5449/-
2.	Dismantling brick work in line or cement motor (GSI No: 13 P/10).	2064.37Cft	@Rs:1285/63	P%Cft	Rs: 26540/-
3.	Dismantling cement concrete plain (1:4:8)(GSI No: 19(a) P/10).	127.77Cft	@ RS: 5445/-	P% Cft	Rs: 6957/-
4.	Extra for every 50 ft additional lead or part thereof (a) For earth work (soft ordinary hard soil)(GSI No: 8(a) P/2).	5467.34Cft	@ RS: 5039/-	P %o Cft.	Rs: 27550/-
5.	Excavation in foundation of building bridges and other structure i/c dag belling dressing refilling around the structure with excavated earth watering ramming lift upto 5ft and lead upto one chain (In ordinary soil) etc(G.S.I.NO:18 P/4)	7200.50Cft	@Rs:3176/25	P%oCft	Rs: 22871/-
6.	Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering ratio (1:4:8) (G.S.I.NO: 5 P/16)	1507.62Cft	@Rs:11288/75	P%Cft	Rs: 170191/-
7.	Pucca brick work in foundation and plinth in cement sand mortar (1:6) etc (G.S.I.NO:4 P/21)	6479.77Cft	@Rs:11948/36	P%Cft	Rs: 774226/-
8.	Construction of standard open drain connote block of cc (1:2:4)in situ to the design profile i/c cost of moulds as per drawing i/c applying floating cost of cement 1/32" thick face finished smooth curing etc complete as per detailed drawing(PHSINO:D(ii)P-44)				
	Type-A	1525.00 Rft.	@Rs:94/-	P.Rft	Rs: 143350/-
	Type-B	780.00 Rft.	@Rs:174/-	P.Rft	Rs: 135720/-
9.	Cement plaster (1:4)upto 12' height ½" thick (GSINO:11;P-52)	12341.10Sft	@Rs:2283/93	P%Sft	Rs: 281862/-

10. R.c.c. work i/c all lab our and material except the cost of steel; reinforcement and its lab our for bending and binding which will be paid separately. This rates also i/c all kinds forms moulds lifting shuttering curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) RC work in roof slab beams columns rafts lintels and other structural member laid in situ or precast laid in position in all respect ratio(1:2:4)et (G.S.I.NO:5 P/17)

510.44Cft @Rs:337/-

P.Cft

Rs: 172018/-

- 11 Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/c removal of rust from bars etc (G.S.I.NO:8(a) P/ 17)

18.23Cwt @Rs:5001/70

P.Cwt

Rs: 91181/-

Rs: 18,57,915/-

B. C.C.BLOCK.

1. Barrow pit excavation undressed lead upto 100 ft ordinary soil(GSINO:3 P-1)

1200.0 Cft

2. Earth work compaction (Soft ordinary or Hard Soil)  
(b) laying earth in 6" layers leveling and dressing and watering for complete.(G S I No:3 (b) P:3)

6000.00 Cft @Rs: 354/-

P%0Cft

Rs: 2124/-

3. Erection and removal of centering for R.C.C.plain c.c.works partal wood (2<sup>nd</sup> class) vertical (G.S.I.NO:18 P/20)

250.00 Sft @Rs: 3127/41

P%Sft

Rs: 7819/-

4. Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio (1:4:8)(GSINO:4 P-7)

1980.00 Cft @Rs:9416/28

P%Cft

Rs: 186442/-

5. C.C plain i/c placing compacting and curing complete i/c screening and washing of stone aggregate without shuttering ratio (1:2:4) (G.S.I.NO: 5(f) P/16)

1500.00 Cft @Rs:14429/25

P%Cft

Rs: 216439/-

6. Providing RCC pipes colours of class and faxing  
In trench i/c cutting fitting and jointing with rubber ring i/c testing  
With water to specified pressure.(P H I No:B 1 P-17).

90.00 Cft @Rs: 163/-

P%Cft

Rs: 14670/-

Rs: 4,27,494/-

C. REPAIR OF COMPOUND WALL.

1. Pucca brick work in ground floor(1:6)(GSINO:5 P-24)

68.82Cft @Rs: 12674/36

P%Cft

Rs: 8722/-

2. Cement plaster(1:4)1/2" thick upto 20' height(GSINO:11(b)P-52)

425.81Sft @Rs: 2283/93

P%Sft

Rs:9725/-

3.	Painting old Surface. Preparing(Door and Windows)Surface and painting of any type angle two coats(GSINo: 4 ( ciii )P-69)	144.00Sft	@Rs:1660/06	P%Sft	Rs: 1670/-
4.	White wash two coats (GSI No: 26(i) P54)	425.81Sft	@Rs: 416/63	P.% Sft	Rs: 1774/-
5.	Colour wash Two coats (GSINo: 24(b)P54)	3059.00Sft	@Rs: 859/90	P%Sft	Rs: 26304/-
				Total	Rs: 48195/-

#### D. SILT CLEARANCE OF OXIDATION POND

1.	Jangal clearance and removing with in 100 ft (G.S.I.NO:4- P 95)	16000Sft	@Rs: 75/63	P%0Sft	Rs: 1210/-
2.	Earth work silt clearance excavation in ashes sups sail or silt clearance undressed Lead up to 50 ft (GSI No: 2 P/1).	40000.0Sft	@RS: 1663/75	P%Cft	Rs: 66550/-
3.	Earth for slush dadal i/c Dewatering (GSINO:16 P-1)	40000.0Sft	@Rs: 2420/-	P%oCft	Rs: 96800/-
4.	Carriage 100 cft/tons of all material like stone spwal coal line Surkhi etc BG rails fastening and crossing bridges girders pipe Sheets Rails MS bars etc of 100 No:s mound of fuel wood by Truck wood by truck on work by the contractor earth (Lead 2 miles lead).(Sch: & carriage).	40000.0Sft	@Rs: 502/52	P%Cft	Rs: 201008/-
				Total	Rs: 365568/-

#### E. REPAIR OF SCREENING CHAMBER.

1.	Clearing of collecting tank / Sump below Ground level i/e dewatering of Sullage water & Disposal of garbage soil water etc out side tank etc complete. ( PHS I No:T ( I ) P:59 )	320.0Cft	@Rs:11900/-	P%oCft	Rs: 3808/-
2.	Carriage 100 cft/tons of all material like stone spwal coal line Surkhi etc BG rails fastening and crossing bridges girders pipe Sheets Rails MS bars etc of 100 No:s mound of fuel wood by Truck wood by truck on work by the contractor earth (Lead 2 miles lead).(Sch: & carriage).	320.0Cft	@Rs:502/52	P%Cft	Rs: 1608/-
3.	R.c.c. work i/c all labour and material except the cost of steel; reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all kinds forms moduls lifting shuttering ;curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) RC work in roof slab beam columns rafts lintels and other structural member laid in situ or precast laid in position in all respect ratio(1:2:4)et (G.S.I.NO:5 P/19)	185.25Cft	@Rs: 337/-	P.Cft	Rs: 62429/-
4.	Fabrication of mild steel reinforcement for c.c. i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/c removal of rust from bars etc (G.S.I.NO: 8(a) P-17)	7.44Cwt	@Rs: 5001/70	P.Cwt	Rs: 37213/-
				Total	Rs: 105058/-

F <u>SCREENING CHAMBER.SIZE(5'x8')2Nos</u>			
1.	Excavation for tank and reservoirs in soft soil i/c trimming and dressing side to true alignment design section/profiles and shape leveling of bed of trenches to correct level and i/c laying of earth in 6"layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by engineer in charge providing fence guards light flags and temporary crossing for non vehicular traffic wherever required lift upt 5ft(1.52m) and lead upto one chain(30.5m). (PHSINO:1,P-67)	880.0Cft @Rs:3000/- P%0Cft	Rs: 2,640/-
2.	Excavation for tank and reservoirs in wet soil i/c trimming and dressing side to true alignment design section/profiles and shape leveling of bed of trenches to correct level and i/c laying of earth in 6"layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by engineer in charge providing fence guards light flags and temporary crossing for non vehicular traffic wherever required lift upt 5ft(1.52m) and lead upto one chain(30.5m). (PHSINO:14P-50)		
i)	0"-5"Depth	616.00Cft @Rs:4800/- P%0Cft	Rs: 2,957/-
3.	Cement concrete brick or stone ballast 1 1/2" to 2" gauge ratio (1:4:8)(GSINO:4 P-7)	132.00Cft @Rs:9416/28 P%0Cft	Rs: 12,429/-
5.	R.C.C. work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all kinds forms moulds lifting shuttering ;curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) RCC work in roof slab beams columns rafts lintels and other structural member laid in situ or precast laid in position in all respect ratio(1:2:4)et (G.S.I.NO:5 P/19)	473.56Cft @Rs:337/- P.Cft	Rs: 1,59,590/-
6.	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/c removal of rust from bars etc (G.S.I.NO:7 P/20)	19.02Cwt @Rs:5001/70 P.Cwt	Rs: 95132/-
7.	Pucca brick work in foundation and plinth in cement sand mortor (1:6) etc (G.S.I.NO:4 P/12)	40.68Cft @Rs:11948/36 P%0Cft	Rs: 4,861/-
8.	Cement plaster(1:4)upto 20' ft height 1/2" thick (GSINO:11(c)P-57)	567.00 Sft @Rs:2283/93 P%Sft	Rs: 12950/-
9.	Providing expansion joint in cement work of 9" wide corrugated PVC water stop with bulbs i/c soldering cost of material and lab our etc complete(PHSINO:2,P-56)	60.00Rft @Rs:86/- P.Rft	Rs: 5,160/-
10	C.I Foot steps (Market rates)	14.0Rft @Rs:181/65 P.Rft	Rs: 2543/-

11	Fabrication of heavy steel work with angles tees flat iron round iron and sheet iron for making trusses girders tanks etc i/c-cutting diverting handling assembling and fixing but excluding erection in position(GSIN:2,P-90).	4.01 Cwt	@Rs:4928/49	P.Cwt	Rs: 19763/-
12	Erection and fitting in position of iron trusses and testing of water Tank etc (G S I No: 3 P-91)	4.01 Cwt	@Rs:271/04	P.Cwt	Rs: 1087/-
13	Providing and fixing C.I.main hole cover with frame i/c cost of material etc(PHSINO:1,P-15)	3.0 Cwt	@Rs: 6985/-	P.Cwt	Rs: 20955/-
				Total	Rs: 340067/-

**G. REPAIR OF COLLECTING TANK 15" DIA.**

1.	Clearing of collecting tank / Sump below Ground level i/e dewatering of Sullage water & Disposal of garbage soil water etc out side tank etc complete. ( PHS I No:T ( I ) P:59 )	4239.00Cft	@Rs:11900/-	P%oCft	Rs: 50444/-
2.	Carriage 100 cft/tons of all material like stone spwal coal line Surkhi etc BG rails fastening and crossing bridges girders pipe Sheets Rails MS bars etc of 100 No:s mound of fuel wood by Truck wood by truck on work by the contractor earth (Lead 2 miles lead).(Sch: & carriage).	4239.00Cft	@Rs:502/52	P%Cft	Rs: 21302/-
3.	Dismantling cement concrete reinforced separating reinfor cement from concrete cleaning and straightening the same (GSI No: 19(a) P/10).	34.54Cft	@Rs: 5445/-	P%Cft	Rs: 1881/-
4.	R.c.c. work i/c all labour and material except the cost of steel; reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all kinds forms moduls lifting shuttering ;curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) RC work in roof slab beam columns rafts lintels and other structural member laid in situ or precast laid in position in all respect ratio(1:2:4)et (G.S.I.NO:6(a) P/17)	86.35Cft	@Rs: 337/-	P.Cft	Rs: 29100/-
5.	Fabrication of mild steel reinforcement for c.c. i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/c removal of rust from bars etc (G.S.I.NO: 8(a) P-17)	3.46Cwt	@Rs: 5001/70	P.Cwt	Rs: 17306/-
				Total	Rs: 120033/-

**H. REPAIR OF COLOUR WASHING OF PUMP HOUSE**

1.	Removing Cement or line plaster (G S I No:53P-13)	386.25Sft	@Rs: 121/-	P%Sft	Rs: 467/-
2.	Cement plaster 1:4:12 height (b) ½ thick (G S I No:11(b)P-52)	386.25Sft	@Rs: 2283/93	P%Sft	Rs: 8822/-
3.	Providing and laying 1" thick topping cement concrete(1;2:4)i/c surface finishing and dividing into panels(2"Thick) (PHSINO:16,P-42)	61.07Sft	@Rs: 3275/50	P%Sft	Rs: 2000/-
4.	White Washing of 2 coots (G S I No: 26(b) P-54)	202.50Sft	@Rs:425/84	P%Sft	Rs: 862/-
5.	Distemping 3 coots (GSINO: 24(b)P54				

	873.75Sft	@Rs: 1079/65	P%Sft	Rs: 9433/-
4.	Painting Old Surface. Preparing(Door and Windows)Surface and painting of any type angle two coats(G S I No: 4 ( ciii)P-69)			
	85.50Sft	@Rs: 1160/06	P.Sft	Rs: 992/-
			Total	Rs: 22576/-
<b>I. REPAIR OF STAFF QUARTER</b>				
1.	Dismantling R .C.C (1:2:4) (GSINO P- )			
	150.36 Cft	@Rs:5445/-/=	P%oCft	Rs: 8187/-
2.	Pucca brick work in ground floor i/c stricking of joints in cement sand mortar (1:6)(GSINO:5 P21)			
	156.00 Cft	@RS: 12674/36	P%Cft	Rs: 19772/-
3.	R.C.C. work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all kinds forms moulds lifting shuttering ;curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) RCC work in roof slab beams columns rafts lintels and other structural member laid in situ or precast laid in position in all respect ratio(1:2:4)et (G.S.I.NO:6 P/16)			
	140.80Cft	@Rs:337	P.Cft	Rs: 47450/-
4.	Fabrication of mild steel ;reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/c removal of rust from bars etc (G.S.I.NO:8(a) P/7)			
	5.657 Cwt	@Rs:5001/70	P.Cwt	Rs: 28260/-
5.	Filling watering and ramming earth under floor with new earth (excavated from outside) lead one chain lift upto 5ft(GSINO:22,P-5)			
	576.00 Cft	@Rs:3630/-	P%OCf	Rs: 2091/-
6.	Cement concrete brick or stone ballast 1:1/2" gauge Ratio(1:4:8) (G.S.I.N:3 P-15)			
	144.00 Cft	@Rs:9416/28	P%Cft	Rs: 13559/-
7.	Providing and laying 1"thick topping cc(1:2:4)i/c surface finishing and dividing into panel ratio (1:2:4) (GSINO:2 P41)			
	192.00 Sft	@Rs:3275/50	P%Sft	Rs: 6289/-
			Total	Rs:125608/=
<b>K. CHOWKIDAR HUT</b>				
1	Cement plaster(1:4)upto 20ft height 1/2"thick(GSINO:11(b)P42)			
	1311.00Sft	@Rs:2283/93	P%Sft	Rs:29942/-
2.	Painting old surfaces ( c) painting doors and windows any type i/c three coats (G S I No: 4 c P- 68)			
	109.50Sft	@Rs: 1160/06	P%Sft	Rs: 1270/-
3	White wash three coats (GSINO: 16 P-42)			
	224.75Sft	@Rs: 829/95	P%Sft	Rs: 1865/-
4	Colour wash two coats (G S I No: 25 P-55)			
	1311.00Sft	@Rs: 859/90	P%Sft	Rs:11273/-
			Total	Rs: 44350/-

J. REPAIR OF A.C RISING MAIN.

1.	Excavation for pipe line in tranches.and pits in Soft soil.i/c trimming and dressing sides to true alignment and shape leveling o beds trenches to correct level and grade cutting joint holes and disposal Of surplus earth within one chain as directed by Engineer,Incharge providingFence guards light flags and where ever required lift up to one chain(PHSI No:1 P/60). 45750.00 Cft @Rs: 3600/-	P%oCft	Rs: 164700/-
2.	Providing A.C pressure pipe and comet joint of class "B" And fixing intranches i/c cutting fitting and jointing with rubber rings i/c testing Water to a head of 122 meter or 400 ft (PHSI NO: 1 P/20) 4"Dia 5000.00Rft @Rs:297/-	P.Rft	Rs: 1487650/-
3.	Supplying AC collars B Class (PHSINI: P- ) 10 Nos @Rs: 472/- 6"Dia @Rs: 157/-	P.Rft Each	Rs: 945060/- Rs: 1570/-
4.	Supplying one pair rubber ring for A.C pipe B class(comet joint) ( PHSMI No: 7 P-4 ) 4"Dia 10 Pairs @Rs:95/- 6"Dia @Rs:129/-	Each Each	Rs: 1552/- Rs: 950/- Rs: 1032/-
5	C.I Gibault joint ( PHSMI No: 14 P-17 ) 4"Dia 8 Nos @Rs: 731/25 6"Dia @Rs: 1062/50	Each Each	Rs: 5848/- Rs: 3188/-
6	Refilling the excavated stuff in trenches 6" thick layer i/c watering Ramming to full compaction etc complete (P H S I No:24 P-77) 41175.00 Cft @Rs: 2760/-	P%oCft	Rs:113643/-
7	Making joint to C.I specials fitting making i/c laying) of the required Dia meter and testing the joint allowed with AC pipe line to the Specified pressure and making good to all leaky joint etc complete.( PHSI No: 1 P/56). 4Dia 10. Joint @Rs: 62/- 6 Dia @Rs: 72/-	P.Joint P.Joint	Rs: 620/- Rs: 576/-
		Total	Rs:2726389/-

K REPAIR OF TRANSFORMER

1.	Tacking out 25 K V transformer & repair of 3 Nos coils i/c changing transformer & repair of oil from disposal work for necessary repair @ Hyd:and referring at same place (R.A approved C.E PHED vide his No: 513 dt: 26/2/2011 or W/Supply scheme Nabi Bux Mahajor 3 Nos @Rs:66800/-	Each Total	Rs:200400/= Rs:200400/=
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## L REPAIR OF PUMPING MACHINERY

1.	Rewinding of Electric motor 10 BHP phase 400/440 Volts, 50 cycles with best quality in solated copper wire of required guage i/c testing on load with satisfactory result up to one week's time Opening and refitting and replacing the bolts in necessary including the Cost of worn out material (GSI NO: 97 (c) P-III). 10 BHP (1450 4 poles)		
i)	10 BHP 3Nos @Rs:10599/-	Each	Rs:31797/=
ii)	15 BHP 2Nos @Rs:15188/-	Each	Rs:30376/=
2	Repair of non clogging sullage pump 2 1/3 x 3 etc complete (Rate approved ) 5Nos @Rs:10000/-		
		Each	Rs:50000/=
3	Manufacturing supplying faxing M.S pipe 3/16 thick etc complete (R.A)		
i)	3"Dia Suction 240.0Rft @Rs:385/89	Each	Rs:92614/=
ii)	4"D Delivery 32.0Rft @Rs:506/60	Each	Rs:16211/=
4.	Manufacturing supplying M.S.flanges of different dia made of m.s.sheet of holes and welding of flanges with m.s pipe etc complete(R,A)		
i)	3"Dia 40 Nos @Rs:500/89	Each	Rs:20036/=
ii)	4"Dia 8 Nos @Rs:596/75	Each	Rs:4774/=
5.	Supplying bend with flanged ends with holes i/c turning and facing of flanges for all size.(S M I No: 8 P- 4"D 0.79Cwt @Rs:6096/- P.Cwt		
			Rs:4815/=
6.	Supplying C.I.Foot valve heavy pattern(test pressure 21 Kg sq cm or 300 lbs sq inch)(SMI No		
i)	3"Dia 4 Nos @Rs:731/25	Each	Rs:2925/=
ii)	4"Dia 2 Nos @Rs:893/75	Each	Rs:1788/=
7	Jointing C.I M.S flanged pipes and specials flanged and inside a trench i/c supplying flanged rubber packing of the required thickness nuts bolts with washers etc and other tools required for jointing and testing the Joints to the specified pressure etc complete.(PHSI NO:1 M P/ 40).		
i)	3"Dia 20Nos @Rs:499/-	P.Joint	Rs:9980/=
ii)	4"Dia 8 Nos @Rs:513/-	P.Joint	Rs:4104/=
		Total	Rs:269420/=



# ABSTRACT

1.	Surface Drains (Repair/New)	Rs:18,57,915/-
2.	Constt: of C.C Block	Rs: 4,27,494/-
3.	Repair of Compound Wall	Rs: 48,195/-
4.	Silt Clearance of Oxidation Pond	Rs: 3,65,568/-
5.	Repair of Screening Chamber	Rs: 1,05,058/-
6.	Screening Chamber Size(5'x')2 Nos	Rs:3,40,067/-
7.	Repair of Collecting Tank	Rs: 1,20,033/-
8.	Repair of Colour washing of Pump House	Rs: 22,576/-
9.	Repair of Staff Quarter	Rs: 1,25,608/-
10.	Repair of Chowkidar Hut	Rs: 44,350/-
11.	Repair of Replacement of Rising Main	Rs: 27,27,803/-
12.	Repair of Transformer	Rs:2,00,400/-
8.	Repair of Pumping Machinery	<u>Rs: 2,69,420/-</u>
	Total	Rs: 66,54,487/-

## CONDITIONS.

1. Any error of omissions in the description of items rates, unit quantity Calculation will be governed by the relevant schedule of rates.
2. The contractor must remove the surplus earth material cartage from site of work on his own cost.
3. No premium will be allowed done non schedule items market rates.
4. No separate cartage will be paid to the contractor.
5. The work will be completed within specified period .
6. The contractor is bound the work will be carried out as per agreement and standard PWD specification .

CONTRACTOR

EXECUTIVE ENGINEER  
PUBLIC HELTH ENGG:DIVISION  
MATIARI

SCHEDULE-B

NAME OF WORK:

SUPPLYING AND INSTALLING PUMPING MACHINERY  
FOR O/M RURAL DRAINAGE SCHEME ARZI HAKRO  
DISTRICT MATIARI. ....

S#	ITEMS	QUANTITY	RATE	UNIT	AMOUNT
	<b>OXIDATION POND.</b>				
1.	Supplying and installing in position i/c transportation to site of work at Rural Drainage Scheme Arzi Hakro electric pumping set consisting of A.C. electric motor of 15 BHP 3 phase 50 cycles 400/420 volts 1450 RPM type ILA 133-4 AA60 coupled with KSB pump type (KWPZ-65-315) size 3"x2 1/2 mounted on common steel frame or base plate capable of discharging 220 gallons per minute against a head of 90 ft i/c installation of pumping set on c.c foundation ratio(1:2 4) and ratio(1:4:8) with ballast with m.s nuts and bolts of 1/2" dia to be embedded in c.c foundation i/c providing and fixing on prepared board A.C. 50 cycles 3 phase 12/25 amperes trip rating push button type star delta starter complete with no volts and over load release and required i/c providing and fixing on prepared board iron (clad) triple pole and neutral switch fuse with rewirable fuse link carried 500 volts grade 30 amperes and providing and fixing volts meter 0.500 volts and amperes meter 0-50 amperes installed on metal led board i/c providing and fixing metal led board to accommodate main or sub main control switch recessed in the wall size 3'x2 1/2' i/c providing phase indication bulbs with holder and providing internal electric wiring for main with pvc insulated wire 660 volts grade in 25 mm (1/2") G.I. plate buried in the ground at depth of ( 12 ) for base plate and testing of the pumping set against the required head for 72 hours etc complete R.A attached				
	1 Set	@Rs:773800/=		P.Set	Rs:773800/=
2	Manufacturing supplying and fixing ms pipe made out of ms sheet of 3/8" thick (R.Approved)				
i)	3"Dia Suction				
	25.00 Rft	@Rs:385/89		P.Rft	Rs 9647/=
	3"Di Delivery				
	18.00 Rft	@Rs: 385/89		P.Rft	Rs: 6946/=
3.	Supplying C.I. sluice valve heavy pattern (test pressure 21 Kg sq cm or 300 lbs sq inch) (SMI No 3"Dia				
	1 Nos	@RS: 4290/-		Each	Rs: 4290/-
4.	Supplying C.I. Reflex valve heavy pattern (test pressure 21 Kg sq cm or 300 lbs sq inch) (SMI NO: 3"Dia				
	1 Nos	@Rs: 1543/-		Each	Rs 1543/=
5.	Manufacturing & Supplying fixing M.S flange M.S sheet thick with holes (A.R approved)				
	4. Nos	@Rs: 500/89		Each	Rs:4007/=

6	Supplying CI bend with flange end with holes i/c turing and facing of flange			
	0.66 Cwt	@Rs: 6096/-	Each	Rs: 4023/=
7	Supplying CI foot valve heavy pattern test (SmINO:4 P-11)			
	3" dia			
	1 No	@Rs: 731/25	Each	RS: 731/-
11	Supplying CI short piece(SMINO:9 P-15)			
	6"Dia			
	3 No	@Rs:618/75	Each	Rs: 1856/=
12	Jointing C.I./M.S.flanges pipes and specials flanged and inside trench i/c supplying rubber packing of the required thickness nuts bolts with washers etc complete.(PHSINO:1P-35)			
i)	3"Dia			
	12.0 Joints	@Rs: 499/-	P.Joint	<u>Rs: 5988/=</u>
			Total	Rs:8,12,831/=

CONDITIONS.

- 1 Any error of omissions in the description of items rates, unit quantity Calculation will be governed by the relevant schedule of rates.
2. The contractor must remove the surplus earth material cartage from site of work on his own cost.
3. No premium will be allowed done non schedule items market rates.
4. No separate cartage will be paid to the contractor.
5. The work will be completed within specified period .
6. The contractor is bound the work will be carried out as per agreement and standard PWD specification .

CONTRACTOR

EXECUTIVE ENGINEER  
PUBLIC HELTH ENGG:DIVISION  
MATIARI

**REHABILITATION OPERATION AND MAINTENANCE FOR RURAL  
DRAINAGE SCHEME ARZI HAKRO TALUKA & DISTRICT MATIARI**

**ABSTRACT OF COST**

(A)	ESTABLISHMENT	Rs: - 252,000/-
(B)	ELECTRICAL / MECHANICAL	Rs: - 1,632,824/-
(C)	ANNUAL MAINTENANCE	Rs: - 200,000/-

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**Total Rs: - 2,084,824/-**

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**ASSISTANT ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
MATIARI**

**EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
MATIARI**

**REHABILITATION OPERATION AND MAINTENANCE FOR RURAL  
DRAINAGE SCHEME ARZI HAKROTALUKA & DISTRICT MATIARI**

**(A) ESTABLISHMENT**

(i) Pump Operator 1 No: (3240 -140-7440)

1 x 12 =12 Months @Rs: - 7,000/- P/Month Rs: - 84,000/-

(ii) Helper / Chowkidar 1 No: (2970-90-5670)

1 x 12 =12 Months @Rs: - 7,000/- P/Month Rs: - 84,000/-

(iii) Sweeper 1 No: (2970-90-5670)

1 x 12 =12 Months @Rs: - 7,000/- P/Month Rs: - 84,000/-

**Total;** Rs: - 252,000/-

**(B) ELECTRICAL & MECHANICAL CHARGES**

i) **Electricity consumption**

2 x 10 x 0.746 x 8.00 x 365 = 43566.40 Units

1 x 15 x 0.746 x 8.00 x 365 = 32674.80 Units

**Total = 76241.20 Units**

76241.20 Units @Rs: - 20/- P/Unit Rs: -1,524,824/-

**Oil Lubrication cotton waste.**

(1x3) x 12 = 36 Months @Rs: - 3,000/- P/Month Rs: - 108,000/-

**Total** Rs: -1,632,824/-

**(C) ANNUAL REPAIR CHARGES**

Minor repair civil electric & Mechanical works etc: Rs: - 200,000/-

**Total;** Rs: - 200,000/-

**Grand Total** Rs: -2,084,824/-

ASSISTANT ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
MATIARI

EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
MATIARI

**SCHEDULE "B"**

NAME OF WORK:-

REHABILITATION OF RURAL DRAINAGE SCHEME  
DARYA KHAN TALPUR TALUKA & DISTRICT  
MATIARI

S#	Items	Qty:	Rate	Unit	Amount.
<b>Group 'A' Repair of Pumping Machinery.</b>					
1	Rewinding of Electric motor 10 BHP phase 400/440 volts, 50 cycles with best quality in solated copper wire of required guage i/c testing on load with satisfactory result up to one week's time opening and refitting and replacing the bolts in necessary including the cost of worn out material (GSI NO: 97 (c) P-II0). 1450 BHP 10	2 No*	@Rs: 10599/-	Each	Rs: 21,198/-
	BHP 15	2 No	@Rs: 15188/-	Each	Rs: 30,376/-
2	Repair of non clogging sullage pump 2- 1/3 x 3 etc complete (Rate approved )	4 Nos	@Rs: 10,000/-	Each	Rs: 40,000/-
3	Providing and faxing common steel or base plate (M.R)	4 Nos	@Rs: 18601/-	Each	Rs: 74,404/-
4	Providing C.I Coupling (KSB made with aligment change (M.R) rate as per p.list	4 Nos	@Rs: 9882/-	Each	Rs: 39,528/-
5	Providing MCU /SD 10 BHP consists of breaker magnetic contractor over load protection under over voltage protection phase failure protection ammeter with current transformer voltmeter with potential transformer automatic star-delta change over switch control an power cables i/c light and all these component are fixed in a metallic dust and smoke proof box (KSB made) P list approved)	2 Nos	@Rs: 48750/-	Each	Rs: 97,500/-
6	Providing internal wire from main with 3.7/0.036 PVC installed wire 660 volts in 25 mm 1" PVC conduit on surface as required (ESI No: 18 P-3)	60.00 Rft	@Rs: 85/06	P.Rft	Rs: 5104/-
7	Providing fixing earth set 2'x2'x1/2 copper in ground at depth of 12 or less it was come out from the ground level with salt and charcoal etc,	4 Set	@Rs: 2600/-	P.Set	Rs: 10,400/-
8	Making foundation of 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 (GSINO:5 P-16)	48.00 Cft	@Rs: 14429/25	P% Cft	Rs: 6,926/-

9	Cement concrete brick or stone ballast 1:1/2"to 2" gauge (G.S.I.N:4 P-15) <u>Ratio(1:4:8)</u>	24.00 Cft	@Rs: 9416/28	P% Cft	Rs: 2,260/-
10	Providing & embedding M.S foundation nuts and bolts of 1/2 (4 Nos ) 2ft long inch half thread (SMI No: 6 P-27) Size	21.34 lbs	@Rs: 112/61	P.lbs	Rs: 2,403/-
11	Manufacturing supplying and fixing 4"Dia M.S pipe ms sheet of 3/8" thick(R.Approved) based on schedule	154.00 Rft	@Rs: 506/60	P.Rft	Rs: 78,016/-
12.	Manufacturing supplying M.S. flanges of different dia made of m.s.sheet of holes and welding of flanges with m.s pipe etc complete(R,A) based on schedule 4"Dia	40 Nos	@RS: 596/75	Each	Rs: 23,870/-
13.	Supplying C.I. sluice valve heavy pattern(test pressure 21 Kg sq cm or 300 lbs sq inch) (SMI No 2 P/12) (Imported) 4"Dia	4 Nos	@RS: 5460/-	Each	Rs: 21,840/-
14.	Supplying C.I. Reflex valve heavy pattern(test pressure 21 Kg sq cm or 300 lbs sq inch) (SMI NO: 6 P/12) (imported) 4"Dia	4 Nos	@Rs: 1706/25	Each	Rs 6,825/-
15.	Supplying C.I. taper flat bottomed or central tapered flanged ends with holes i/c turning and facing turning flanges for all size. (S M.I.No.9 P/13)	0.20 Cwt	@RS: 6096/-	P.Cwt	Rs: 1,219/-
16.	Supplying C.I. bend with flanged ends with holes i/c turning and facing of flanges for all size.(S M I No: 8 P- 13) 4"Dia	3.00 Cwt	@Rs: 6096/-	P.Cwt	Rs: 18,288/-
17.	C.I. Tee flanged ends with holes i/c turning and facing of flanges. (S M I No:12 P No 13) 4"x4"x4"	0.48 Cwt	@Rs: 6096/-	P.Cwt	Rs: 2,926/-
18	Supplying CI foot valve heavy pattern test (S.M.INO:4 P-12) (Imported) 4"Dia	4 Nos	@Rs: 893/75	Each	Rs: 3,575/-
19	Supplying CI short piece(SMINO:9 P-15)	2 No	@Rs 487/50	Each	Rs: 975/-
20	Jointing C.I./M.S. flanges pipes and specials flanged and inside trench i/c supplying rubber packing of the required thickness nuts bolts with washers etc complete.(PHSINO:1P-40)	60.0 Joints	@Rs: 513/-	P. Joint	Rs: 30,780/-
				Total	Rs: 5,18,413/-

## GROUP 'B' PUMP HOUSE

1. Dismantling cement concrete re-enforced separating reinforcement form concrete cleaning and straightening the same (GSI No: 19(a) P/10).  
88.52Cft @Rs: 5445/- P% Cft Rs: 4,820/-
2. Removing cement or line plaster (G.S.I.No: 53 P-13)  
386.25 Sft @Rs: 121/- P% Sft Rs: 467/-
3. Excavation in foundation of building bridges and other structure i/c dag belling dressing refilling around the structure with excavated earth watering ramming lift upto 5ft and lead upto one chain (In ordinary soil) etc (G.S.I.NO:18 P-4)  
235.00 Cft @Rs:3176/25 P%0Cft Rs: 746/-
4. Cement concrete brick or stone ballast 1 ½" to 2" guage ratio (GSINO:4 P-15)  
i) Ratio(1:4:8)  
47.00 Cft @Rs:9416/28 P% Cft Rs: 4,426/-  
ii) Ratio(1:5:10)  
57.28 Cft @Rs:8694/95 P% Cft Rs: 4,980/-
5. 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)  
188.00 Cft @Rs:12595/- P% Cft Rs: 23,679/-
6. Erection and removal of centering for R.C.C.plain c.c.works pental wood (2<sup>nd</sup> class) vertical (G.S.I.NO:18 P/8)  
376.0C Sft @Rs:3127/41 P% Sft Rs: 11,759/-
7. Pucca brick work in ground floor in cement sand mortor (1:6)(GSINO: 5P-21)  
298.51 Cft @Rs:12674/36 P% Cft Rs: 37,834/-
8. R.C.C. work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all kinds forms moulds lifting shuttering ;curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) RCC work in roof slab beams columns rafts lintels and other structural member laid in situ or precast laid in position in all respect ratio(1:2:4)et (G.S.I.NO:6 P/17)  
182.65 Cft @Rs:337/- P.Cft Rs: 61,553/-



9. Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/c removal of rust from bars etc (G.S.I.NO:8/b P/17)
- 7.33 Cwt @Rs:5001/70 P. Cwt Rs: 36,662/-
10. Filling watering and ramming earth under floor with new earth (excavated from outside) lead one chain lift upto 5ft(GSINO:22,P-4)
- 229.12 Cft @Rs:3630/- P%0 Cft Rs: 831/-
11. Making & fixing steel grated doors with 1/16" thick sheeting including angle iron frame 2"x2" 3/8"x 3/4" square bars 4" center to center with locking arrangement (GSI.No.24 P/92)
- 22.75 Sft @Rs:726/72 P.Sft Rs: 16,533/-
12. P/F iron steel grill of 3/4 "x1/4" side flat iron of approved design i/c painting 3 coats weight not less than 3.7 lbs of finished grill(GSINO:26 P97)
- 30.00 Sft @Rs:180/50 P. Sft Rs: 5,415/-
13. Fabrication of heavy steel work with angles tees flat iron round iron and sheet iron for making trusses girders tanks etc i/c cutting diverting handling assembling and fixing but excluding erection in position(GSIN:2,P-91).
- 2.54 Cwt @Rs:4928/49 P. Cwt Rs: 12,518/-
14. Cement plaster(1:4) upto 12' ft height 3/8" thick (GSINO:11(a) P-52)
- 1804.50 Sft @Rs:2197/52 P% Sft Rs: 39,654/-
15. Cement plaster(1:4) upto 12' ft height 1/2" thick (GSINO:11(b) P-52)
- 1804.50 Sft @Rs:2283/93 P% Sft Rs: 41,214/-
16. Providing and laying 1" thick topping cement concrete(1;2:4)i/c surface finishing and dividing into panels (2"Thick) (PHSINO:16,P-46)
- 240.00 Sft @Rs:3275/50 P.% Sft Rs: 7,861/-
17. White wash three coat(GSINO:24P-54)
- 1804.50 Sft @Rs:829/95 P.% Sft Rs: 14,976/-

18	Painting New Surface. Preparing (Door and windows) Surface and painting of any type (i/c angle two coats (GSINO:5 (c) P-70)	105.50 Sft	@Rs: 2116/41	P.% Sft	Rs: 2,233/-
19	Painting old Surface .Preparing (Door and windows) Surface and painting of any type (i/c angle two coats (GSINO:5 (c) P-70)	105.50 Sft	@Rs: 1662/21	P%. Sft	Rs: 1,754/-
20	Erection and fitting in position of iron trusses and testing of water tank etc (GSINO:3 P-91)	2.54 Cwt	@Rs:271/04	P.Cwt	Rs: 688/-
				Total	Rs: 3,30,604/-

### INTERCONNECTION

1.	Excavation for pipe lines in trenches and pits in Soft Soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within one chain as directed by Engineer In charge providing fence guards light flags and wherever required lift upto 5ft and Lead upto one chain (P.H.S.I.NO:1 P/60)	480.00 Cft	@Rs:3600/-	P%0Cft	Rs: 1,728/-
2.	Providing RCC pipe and collars of class B and fixing in trench i/c cutting fitting and jointing with maxphalt composition and cement mortar(1:1)i/c testing with water to a head of 22.5 metter or 75 ft.(PHSINO:2,P-17)	12" dia 40.0 Rft	@Rs:412/-	P.Rft	Rs: 16,480/-
3.	Refilling excavated the stuff in trenches 6" thick layers i/c watering ramming to full compaction etc complete (PHSINO:24 P-77)	432.0 Rft	@Rs:2760/-	P%0 Cft	Rs: 1,192/-
				Total	Rs: 19,400/-

### SCREENING CHAMBER.SIZE(5'x8')

1.	Excavation for tank and reservoirs in soft soil i/c trimming and dressing side to true alignment design section/profiles and shape leveling of bed of trenches to correct level and i/c laying of earth in 6"layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by engineer in charge providing fence guards light flags and temporary crossing for non vehicular traffic wherever required lift upt 5ft(1.52m) and lead upto one chain(30.5m). (PHSINO:1,P-69)	0'-5'Depth 440.0 Cft	@Rs:3000/-	P%0 Cft	Rs: 1,320/-
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2. Excavation for tank and reservoirs in wet soil i/c trimming and dressing side to true alignment design section/profiles and shape leveling of bed of trenches to correct level and i/c laying of earth in 6" layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by engineer in charge providing fence guards light flags and temporary crossing for non vehicular traffic wherever required lift up to 5ft(1.52m) and lead up to one chain(30.5m). (PHSINO:14P-74)
- i) 0'-5'Depth  
308.00 Cft @Rs:4800/- P%0 Cft Rs: 1,478/-
3. Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio (1:4:8)(GSINO:4 P-17)
- 44.00 Cft @Rs:9416/28 P% Cft Rs: 4,143/-
4. 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 P/16)
- 10.00 Cft @Rs:14429/25 P% Cft Rs: 1,443/-
5. R.C.C. work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all kinds forms moulds lifting shuttering ;curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) RCC work in roof slab beams columns rafts lintels and other structural member laid in situ or precast laid in position in all respect ratio(1:2:4)et (G.S.I.NO:6 P/17)
- 242.27 Cft @Rs:337/- P.Cft Rs: 81,645/-
6. Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/c removal of rust from bars etc (G.S.I.NO:8 P/17)
- 9.73 Cwt @Rs:5001/70 P.Cwt Rs: 48,667/-
7. Pucca brick work in foundation and plinth in cement sand mortar (1:6) etc (G.S.I.NO:4 P/21)
- 20.34 Cft @Rs:11948/36 P% Cft Rs: 2,430/-
8. Cement plaster(1:4)upto 12' ft height 1/2" thick (GSINO:11(b)P-52)
- 187.56 Sft @Rs:2283/93 P% Sft Rs: 4,284/-

9.	Providing expansion joint in cement work of 9" wide corrugated PVC water stop with bulbs i/c soldering cost of material and labour etc complete(PHSINO:2,P-56)			
	30.00 Rft @Rs:86/-	P.Rft	Rs: 2,580/-	
10	P/F in position in cc foundation (1:3:6) M.S.ladder of M.S.angle iron 2"x2"x1/4" 1" apart with M.S.bar 3/4" dia spaced 1' apart i/c painting three coat with anticorrosive steel paint etc complete.(PHSINO:3,P-55)			
	10.0 Rft @Rs:799/-	P. Rft	Rs: 7,990/-	
11	Fabrication of heavy steel work with angles tees flat iron round iron and sheet iron for making trusses girders tanks etc i/c cutting diverting handling assembling and fixing but excluding erection in position(GSIN:2,P-91).			
	1.67 Cwt @Rs: 4928/49	P. Cwt	Rs: 8,231/-	
12	Erection and fitting in position of iron trusses staging of water tanks etc (GSI.No.3 P/91)			
	1.67 Cwt @Rs:271/04	P. Cwt	Rs: 453/-	
13	Providing and fixing C.I. main hole cover with frame i/c cost of material etc(PHSINO:1,P-35)			
	1.75 Cwt @Rs: 6985/-	P.Cwt	Rs: 12,224/-	
		Total	Rs: 1,75,568/-	

**SURFACE DRAINS.**

1.	Earth work excavation in ashes sup soil or silt clearance undressed Lead up to 50 ft (GSI No: 2 P/1).			
	9595.32 Cft @Rs: 1663/75.	P%0Cft	Rs: 15,964/-	
2.	Dismantling brick work in lime or cement mortar (GSI No: 13 P/10).			
	1860.93 Cft @Rs: 1285/63	P% Cft	Rs: 23,925/-	
3	Dismantling R.C.C work 1:2:4 reinforcement from cleaning and straightening the same (GSI No:20 P/10).			
	48.00 Cft @Rs: 5445/-	P% Cft.	Rs: 2,614/-	
4	Extra for every 50ft additional or part thereof (a)For earth work soft ordinary hard and very hard(GSINO:8(a) P-2)			
	11456.25 Cft @Rs: 4837/44	P%0Cft	Rs: 55,419/-	

5. Excavation in foundation of building bridges and other structure i/c dag belling dressing refilling around the structure with excavated earth watering ramming lift upto 5ft and lead upto one chain (In ordinary soil) (G.S.I.NO:18 P/4)  
12001.70 Cft @Rs:3176/25 P%0Cft Rs: 38,120/-
6. Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering ratio (1:4:8) (G.S.I.NO: 5 P/16)  
2531.67 Cft @Rs:11288/75 P% Cft Rs: 2,85,794/-
7. Cement plaster (1:4) upto 12' height ½" thick (GSINO:11,P-52)  
19698.0 Sft @Rs:2283/93 P% Sft Rs: 4,49,889/-
8. Pucca brick work in foundation and plinth in cement sand mortar (1:6) etc (G.S.I.NO:4 P/20)  
10487.00 Cft @Rs:11948/36 P% Cft Rs: 12,53,025/-
9. Construction of standard open drain cunette block of cc (1:2:4) in situ to the design profile i/c cost of moulds as per drawing i/c applying floating cost of cement 1/32" thick face finished smooth curing etc complete as per detailed drawing(PHSINO:D(ii)P-58)  
Type-A  
2635.00 Rft @Rs:94/- P. Rft Rs: 2,47,690/-  
Type-B  
1250.00 Rft @Rs:174/- P. Rft Rs: 2,17,500/-
11. R.C.C. work i/c all lab our and material except the cost of steel; reinforcement and its lab our for bending and binding which will be paid separately. This rates also i/c all kinds forms moulds lifting shuttering curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) RC work in roof slab beams columns rafts lintels and other structural member laid in situ or precast laid in position in all respect ratio(1:2:4)et (G.S.I.NO:5 P/16)  
431.16 Cft @Rs:337/- P. Cft Rs: 1,45,301/-
12. Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/c removal of rust from bars etc (G.S.I.NO:8(a)P/ 17)  
15.39 Cwt. @Rs:5001/70 P.Cwt Rs: 76,976/-
13. Borrow pit excavation undressed lead upto 100ft.  
(a) Ordinary soil (G S I No:3 (a) P:1)  
34618.30 Cft @Rs: 2117/50 P%0 Cft Rs: 73,304/-
14. Earth work excavation in ashes sup sand or silt clearance undressed lead up to 50 ft (GSI No: 3(b) P-3).  
46620.0 Cft @Rs: 354/- P %0 Cft Rs: 16,503/-

15	Dry brick on edge paving sand grouted i/c preparation of bed by watering ramming and bringing the same to proper camber by 1/2" thick mud plaster (GSINo: 5 P-40)	31080.0 Sft	@Rs: 3823/57	P%Sft	Rs: 11,88,366/-
15	Carriage 100 cft/tons of all material like stone spwal coal line Surkhi etc BG rails fastening and crossing bridges girders pipeSheets Rails MS bars etc of 100 No:s mound of fuel wood by Truck wood by truck on work by the contractor earth (Lead 2 miles lead).(S of C I No: 1 P: 1)	34618.30 Cft	@Rs: 502/52	P% Cft	Rs: 1,73,964/-
				Total	Rs: 42,64,354/-

**RISIN MAIN**

1.	Excavation for pipe line in soft soil i/c trimming and dressing side to true alignment design section/profiles and shape leveling of bed of trenches to correct level and i/c laying of earth in 6" layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by engineer in charge providing fence guards light flags and temporary crossing for non vehicular traffic wherever required lift up to 5ft(1.52m) and lead upto one chain(30.5m). (PHSINO:1,P-49)	6"Dia	3937.50 Cft	@Rs:3600/-	P%0 Cft	Rs: 14,175/-
2.	Providing Laying Jointing and testing FC pipe of class B (Equivalent make) fixing in trench i/c cutting fitting and jointing with Z joint with one rubber rings i/c testing with water to head of 61 meter or 200 ft(PHSINO:E(1) P-22)	6"Dia	500.0 Rft	@Rs: 397/29	P.Rft	Rs: 1,98,645/-
3.	Short piece (S.M.I.No:9 P-16)	6"Dia	8 Nos	@Rs: 618/75	Each	Rs: 4,950/-
4.	Supplying AC Collars B class (PHSINO:4:P-5)	"Dia	8 Nos	@Rs:194/-	Each	Rs: 1,552/-
5.	One pair of rubber ring for AC pressure pipe B class(Comet joint)(PHSINO:7 P-5)	6"Dia	8 Pair	@Rs:129/-	P. Pair	Rs: 1,032/-
6.	Making joint to C I special fitting (i/c laying of special and cost of solvent cement)of required the diameter and testing the joints along with C-I pipe line B'C and D class to the specified pressure and making good to all leaky joint etc complete. (PHSINO:N(1)P-80)	6"Dia	8 Nos	@Rs: 72/-	Each	Rs: 576/-

7	Gibult joints (SM I No: 14 P-18)			
4	Nos @Rs: 1062/50	Each	Rs: 4,250/-	
8	Jointing C.I./M.S. flanges pipes and specials flanged and inside trench i/c supplying rubber packing of the required thickness nuts bolts with washers etc complete.(PHSINO: M 1P-40)			
8	Joints @Rs:938/-	P. Joint	Rs: 7,504/-	
9.	Refilling excavated the stuff in trenches 6" thick layers i/c watering ramming to full compaction etc complete (PHSINO:24 P-77)			
3543.75	Cft @Rs:2760/-	P%0Cft	Rs: 9,781/-	
		Total	Rs: 2,42,465/-	

**KHUD / OXIDATION POND**

1.	Full hire charges of pumping set per day inclusive of wage of driver an assistant fuel and electric energy plate from required for Placing pumping pump etc at lower depth with Suction and delivery pipes for pumping out water Found at various depths from trenches i/c the cost of reaction and dismantling after completion of the job.(PHSI NO:23 P-77)			
18	Days @Rs: 1500/-	P. Days	Rs: 27,000/-	
2.	Borrow pit excavation undressed lead upto 100ft ordinary soil (G S I No:3 (a) P:1)			
103730.0	Cft @Rs: 2117/50	P%0Cft	Rs: 2,19,648/-	
3.	Earth work compaction (Soft ordinary or Hard Soil) (a) laying earth in 6" layers leveling and dressing complete. (G S I No:13(a) P: 3)			
103730.0	Cft @Rs: 354/-	P%0 Cft	Rs: 36,720/-	
4.	Dressing of slopes of brick or ground surface (GSINo:24:P-5)			
17577.78	Sft @Rs:378/13	P% Sft	Rs: 66,467/-	
5	Carriage 100 cft/tons of all material like stone spwal coal line Surkhi etc BG rails fastening and crossing bridges girders pipe Sheets Rails MS bars etc of 100 Nos mound of fuel wood by Truck wood by truck on work by the contractor earth (Lead 2 miles lead).(Sch: & carriage).(S of C I No: 1 P: 1)			
103730.00	Cft @Rs: 502/52	P% Cft	Rs:5,21,264/-	
		Total	Rs: 8,71,099/-	

**COLOUR WASH OF COMPOUND WALL.**

1	Distemping Three coats (GSI.No.24 P/54) 2000.00 Sft @ Rs: 1079.65	P.% Sft	Rs: 21,593/-
2.	Painting old surface ( c) painting doors and windows any type three coats ( GSI.No.4 P/68 )		
	144.00 Sft @ Rs: 1662/21	P.% Sft	Rs: 2,394/-
		Total	<u>Rs: 23,987/-</u>

**ABSTRACT**

1.	Repair of Pumping Machinery	Rs:-	5,18,413/-
2.	Repair of Pump House	Rs:-	3,30,604/-
3.	Constt: of Screening Chamber size 8'x5'	Rs:-	1,75,568/-
4.	Inter Connection	Rs:-	19,400/-
5.	Construction / Repair of Surface Drains i/c Brick paving.	Rs:-	42,64,354/-
6.	Repair / Providing Rising Main.	Rs:-	2,42,465/-
7.	Development of Khud/Oxidation Pond.	Rs:-	8,71,009/-
8.	Compound Wall	Rs:-	23,987/-
	G.Total	Rs:-	<u>64,45,890/-</u>

**CONDITIONS.**

- 1 Any error or omissions in the description of items, rates, unit quantity & Calculation will be governed by the relevant schedule of rates.
2. The contractor must remove the surplus earth, material, Garbage from Site of work on his own cost.
3. No premium will be allowed on non-schedule items & market rates.
4. No separate cartage will be paid to the contractor.
5. The work will be completed within specified period .
6. The contractor is bound the work will be carried out as per agreement and standard PWD specification .

CONTRACTOR

EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG: DIVISION  
MATIARI.



**REHABILITATION OPERATION AND MAINTENANCE FOR RURAL  
DRAINAGE SCHEME DARYA KHAN TALPUR TALUKA & DISTRICT MATIARI**

**ABSTRACT OF COST**

(A)	ESTABLISHMENT	Rs: - 252,000/-
(B)	ELECTRICAL / MECHANICAL	Rs: - 1,648,350/-
(C)	ANNUAL MAINTENANCE	Rs: - 200,000/-

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Total Rs: - 2,100,350/-

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ASSISTANT ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
MATIARI

EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
MATIARI

**REHABILITATION OPERATION AND MAINTENANCE FOR RURAL  
DRAINAGE SCHEME DARYA KHAN TALPUR TALUKA & DISTRICT MATIARI**

**(A) ESTABLISHMENT**

**(i) Pump Operator 1 No: (3240 -140-7440)**

1 x 12 =12 Months                      @Rs: - 7,000/-                      P/Month                      Rs: - 84,000/-

**(ii) Helper / Chowkidar 1 No: (2970-90-5670)**

1 x 12 =12 Months                      @Rs: - 7,000/-                      P/Month                      Rs: - 84,000/-

**(iii) Sweeper 1 No: (2970-90-5670)**

1 x 12 =12 Months                      @Rs: - 7,000/-                      P/Month                      Rs: - 84,000/-

**Total;**                      Rs: - 252,000/-

**(B) ELECTRICAL & MECHANICAL CHARGES**

**i) Electricity consumption**

(1x1) x 10 x 0.746 x 8.00 x 300                      = 17904.00 Units

(1x1) x 15 x 0.746 x 8.00 x 300                      = 53712.00 Units

**Total**                      = 71616.00 Units

71616.00 Units                      @Rs: - 20/-                      P/Unit                      Rs: -1,432,350/-

**DIESEL PUMPING MACHINERY**

**ii) Consumption of Diesel Per Hour**

(1x1) x 6.00 x 0.22 x 8.00 x 65                      = 686.00 Liters

686.00 Units                      @Rs: - 105/-                      P/Liter                      Rs: - 72,030/-

**iii) Oil Lubrication cotton waste.**

(1x4) x 12 = 48 Months                      @Rs: - 3,000/-                      P/Month                      Rs: - 144,000/-

**Total**                      Rs: -1,648,350/-

**(C) ANNUAL REPAIR CHARGES**

Minor repair civil electric & Mechanical works etc:                      Rs: - 200,000/-

**Total;**                      Rs: - 200,000/-

**Grand Total**                      Rs: -2,100,350/-

ASSISTANT ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
MATIARI

EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
MATIARI

SCHEDULE "B"

NAME OF WORK:-

REHABILITATION OF RURAL DRAINAGE  
SCHEME BACHAL WARIYAH TALUKA &  
DISTRICT MATIARI.

S#	Items	Qty:	Rate	Unit	Amount.
<u>GROUP 'A' REPAIR OF SURFACE DRAINS i/c SLUDGE CLEARANCE</u>					
1	Dismantling brick work in laying or cement motor (GSINO:13 P-10)	2025.00Cft	@Rs: 1285/63	P % Cft.	Rs: 26,034/-
2	Earth work excavation in ashes sup sail or silt clearance undressed Lead up to 50 ft (GSI No: 2 P/1)	4365.0Cft	@Rs: 1663/75	P %0 Cft.	Rs: 7,262/-
3	Re-handling of earth work (b) upto a lead of 50 ft ( GSI NO: 9 P/2)	6390.00Cft	@Rs:1058/75	P%0Cft	Rs: 6765/-
4	Extra for every 50 ft additional lead of part therefore (a) for earth Work (Supt ordinary) hard and very hard (GSI NO: 8(a) P/2).	6390.00Cft	@ Rs: 4736/66	P%0 Cft	Rs: 30,267/-
4	Excavation in foundation of building bridges and other structure i/c dag belling dressing refilling around the structure with excavated earth watering ramming lift upto 5ft and lead upto one chain (In ordinary soil) etc(G.S.I.NO:18 P/4)	5880.00Cft	@ Rs: 3176/25	P%0 Cft	Rs: 18676/-
5	Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering ratio(1: 4:8) (G.S.I.NO:5P-17)	1282.50Cft	@Rs: 11288/75	P %Cft	Rs: 1,44,778/-
6	Pacca brick work in foundation and plinth in cement sand motor (1.6) (GSI NO: 4P/21)	6075.00Cft	@Rs: 11948/36	P% Cft	Rs: 7,25,063/-

7

Constt: of standard open drains coma the block of c.c 1:2:4 etc Complete.(PHSI No:d(ii)P/50).

Type-A Drain

1500.00Rft @Rs: 94/- P: Rft Rs: 1,41,000/-

Type-B Drain

500.00Rft @Rs: 174/- P: Rft Rs: 87,000/-

8 Cement plaster 1:4 up to 20 fit height 1/2" thick ( GSI No: P-52).

12270.00Sft @Rs: 2283/93 P% Sft Rs: 2,80,238/-

9 R.C.C work. In roof slab beams columns raffs lintel and other structural Member laind in situ (Ratio. 1: 2: 4) 90(b) count rept sand 4 cft shingle 1/8' to 1/4' gauge (GSI No: 6(a) P-12)

391.77 Cft @ Rs: 337/- P: Cft Rs: 1,32,026/-

10 Fabrication of mild steel reinforcement for c.c i/c cutting bending laying in Position making joints and fastening i/c cost binding wire also removal of Rust from bars etc (GSI No: 8 (a) P/17 (1) using for bars.

13.99 Cwt. @ Rs: 5001/70 P. Cwt Rs: 69,974/-  
G. Total Rs: 16, 69,083/-

**GROUP 'B' (I) COLLECTING TANKSIZE( 12' DIA)**

1. Excavation of well dry upto 20"below ground level and disposal of soil within one chain(GSINO:1(a)P-86)

i) 0'-5' Depth  
883.12 Cft @Rs:2247/48 P%0 Cft Rs: 1,985/-

2. Wet sinking of well for depth below spring level by means of divers i/c all charges for shoring loading and removing excavated material within one chian(GSINO:4(a)p-87)

i) 0'- 5' Depth  
825.23 Cft @Rs: 11,763/80 P%0Cft Rs: 9,708/-

ii) 5' - 10'Depth  
825.25 Cft @Rs: 24,200/- P%0Cft Rs: 19,971/-

iii) 10'-15' Depth  
247.56 Cft @Rs: 37,230/77 P%0Cft Rs: 9,217/-

3.	Bailing or pumping out sub soil water during excavation concreting cost in situ concrete or masonry work in foundation etc (PHSINO:18,P-75)	5941.66 Cft	@Rs: 543/-	P% Cft	Rs: 32,263/-
4.	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio (1:4:8)(GSINO:4 P-15)	231.18 Cft	@Rs: 9416/28	P% Cft	Rs: 21,769/-
5.	Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering (G.S.I.NO: 5 P/17)				
i)	Ratio(1:3:6)	113.00 Cft	@Rs: 12595/-	P% Cft	Rs: 14,233/-
ii)	Ratio(1:2:4)	113.00 Cft	@Rs: 14429/25	P% Cft	Rs: 16,305/-
6.	R.C.C. work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all kinds forms moulds lifting shuttering ;curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) RCC work in roof slab beams columns rafts lintels and other structural member laid in situ or precast laid in position in all respect ratio(1:2:4)et (G.S.I.NO:5 P/17) Curb	750.00 Cft	@Rs: 337/-	P. Cft	Rs: 2,52,750/-
7.	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/c removal of rust from bars etc (G.S.I.NO:8 P/17) Carb	28.51 Cwt	@Rs:5001/70	P. Cwt	Rs: 1,42,598/-
8.	Providing expansion joint in cement work of 9" wide corrugated PVC water stop with bulb) i/c soldering cost of material and lab our etc complete(PHSINO:2,P- 56)	125.46 Rft	@Rs: 86/-	P. Rft	Rs: 10,790/-
9.	Cement plaster(1:4) upto 12' ft height 1/2" thick (GSINO:11/bP-57)	602.88 Sft	@Rs:2283/93	P% Sft	Rs: 13,769/-
10	Supply dampo (GSINO:11(b)P-57)	15.40 Lbs	@Rs: 56/81	P.Lbs	Rs: 875/-
11	P/F in position in cc foundation (1:3:6)M.S.ladder of M.S.angle iron 2"x2"x1/4" 1" apart with M.S.bar 3/4" dia spaced 1' apart i/c painting three coat with anticorrosive steel paint etc complete.(PHSINO:3,P-55)	17.0 Rft	@Rs:799/-	P. Rft	Rs: 13,583/-
				Total	Rs: 5,59,816/-

### GROUP-B (II) INTER CONNECTION

1. Excavation for pipe lines in trenches and pits in Soft Soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within one chain as directed by Engineer In charge providing fence guards light flags and wherever required lift upto 5ft and Lead upto one chain (P.H.S.I.NO:1 P/46)

192.00 Cft @Rs: 3600/- P:%0 Cft Rs: 691/-  
2. Providing laying RCC pipes of A.STM C-76-62 class ii wall B and faxing In trench i/c cutting fitting and jointing with rubber ring i/c testing With water to specified pressure.(P H I No:B 1 P-17).  
12 dia

16.00 Rft @Rs: 412/- P.Rft Rs: 6,592/-  
3. Refilling excavated the stuff in trenches 6" thick layers i/c watering ramming to full compaction etc complete  
(GSINO:24 P-77)

172.80 Cft @Rs: 2760/- P:%0 Cft Rs: 477/-  
Total Rs: 7,760/-

### GROUP-B (III) SCREENING CHAMBER.SIZE(5'x8') 2 Nos

1. Excavation for tank and reservoirs in soft soil i/c trimming and dressing side to true alignment design section/profiles and shape leveling of bed of trenches to correct level and i/c laying of earth in 6"layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by engineer in charge providing fence guards light flags and temporary crossing for non vehicular traffic wherever required lift upt 5ft(1.52m) and lead upto one chain(30.5m). (PHSINO:1,P-67)

i) 0'- 5' Depth  
440.0Cft @Rs: 3000/- P:%0 Cft Rs: 1,320/-

2. Excavation for tank and reservoirs in wet soil i/c trimming and dressing side to true alignment design section/profiles and shape leveling of bed of trenches to correct level and i/c laying of earth in 6"layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by engineer in charge providing fence guards light flags and temporary crossing for non vehicular traffic wherever required lift upt 5ft(1.52m) and lead upto one chain(30.5m). (PHSINO:14P-54)

0'- 5' Depth  
352.00 Cft @Rs: 4800/- P: %0Cft Rs: 1,690/-

3. Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio (1:4:8)  
(GSINO:4 P-15)

44.00 Cft @Rs: 9416/28 P:% Cft Rs: 4,143/-

4. 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 P/17)

10.00 Cft @Rs: 14429/25 P: % Cft Rs: 1,443/-

5.	R.C.C. work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all kinds forms moulds lifting shuttering ;curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) RCC work in roof slab beams columns rafts lintels and other structural member laid in situ or pre-cast laid in position in all respect ratio(1:2:4)et (G.S.I.NO:5 P/19)			
	242.27 Cft	@Rs: 337/-	P. Cft	Rs: 81,645/-
6.	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/c removal of rust from bars etc (G.S.I.NO:8P/17)			
	9.73 Cwt	@Rs: 5001/70	P.Cwt	Rs: 48,667/-
7.	Pucca brick work in foundation and plinth in cement sand mortor (1:6) etc (G.S.I.NO:4 P/21)			
	20.34 Cft	@Rs:11948/36	P: % Cft	Rs: 2,430/-
8.	Cement plaster(1:4) upto 12' ft height 1/2" thick (GSINO:11/bP-57)			
	187.56 Sft	@Rs:2283/93	P: % Sft	Rs: 4,284/-
9.	Providing expansion joint in cement work of 9" wide corrugated PVC water stop with bulbs i/c soldering cost of material and lab our etc complete(PHSINO:2,P-56)			
	30.00 Rft	@Rs:86/-	P.Rft	Rs: 2,580/-
10	P/F in position in cc foundation (1:3:6)M.S.ladder of M.S.angle iron 2'x2"x1/4" 1" apart with M.S.bar 3/4" dia spaced 1' apart i/c painting three coat with anticorrosive steel paint etc complete (PHSINO:3,P-42)			
	10.00 Rft	@Rs:799/-	P.Rft	Rs: 7,990/-
11	Fabrication of heavy steel work with angles tees flat iron round iron and sheet iron for making trusses girders tanks etc i/c cutting diverting handling assembling and fixing but excluding erection in position(GSIN:2,P-91). Screen jail			
	1.67 Cwt	@Rs: 4928/49	P.Cwt	Rs: 8,231/-
12	Erection and fitting in position of iron trusses and testing of water Tank etc (G S I No: 3 P-91)			
	1.67 Cwt	@Rs:271/04	P.Cwt	Rs: 453/-
13	Providing and fixing C.I.main hole cover with frame i/c cost of material etc(PHSINO:1,P-35)			
	1.75 Cwt	@Rs: 6985/-	P.Cwt	Rs: 12,224/-
			Total	<u>Rs: 1,75,568/-</u>

### GROUP-C PUMP HOUSE

1. Excavation in foundation of building bridges and other structure i/c dag belling dressing refilling around the structure with excavated earth watering ramming lift upto 5ft and lead upto one chain (In ordinary soil) etc (G.S.I.NO:18 P-4)  
235.00 Cft @Rs:3176/25 P%0 Cft Rs: 746/-
2. Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio (GSINO:4 P-15)
  - i) Ratio(1:4:8)  
47.00 Cft @Rs:9416/28 P% Cft Rs: 4,426/-
  - ii) Ratio(1:5:10)  
57.00 Cft @Rs:8694/95 P% Cft Rs: 4,980/-
3. 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)  
188.00 Cft @Rs:12595/- P% Cft Rs: 23,679/-
4. Erection and removal of centering for R.C.C.plain c.c.works deodar wood (2<sup>nd</sup> class) vertical (G.S.I.NO:18 P/19)  
376.0 Sft @Rs: 3127/41 P%Sft Rs: 11,759/-
5. Pucca brick work in ground floor in cement sand mortor (1:6)(GSINO:4P-22)  
298.51 Cft @Rs:12674/36 P% Cft Rs: 37,834/-
6. R.C.C. work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all-kinds forms moulds lifting shuttering ;curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) RCC work in roof slab beams columns rafts lintels and other structural member laid in situ or precast laid in position in all respect ratio(1:2:4)et (G.S.I.NO:5 P/19)  
94.23 Cft @Rs:337/- P. Cft Rs: 31,722/-
7. Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/c removal of rust from bars etc (G.S.I.NO:8 P/17)  
3.78 Cwt @Rs:5001/70 P.Cwt Rs: 18,906/-
8. Filling watering and ramming earth under floor with new earth (excavated from outside) lead one chain lift upto 5ft(GSINO:82,P-5)  
229.12 Cft @Rs:3630/- P%0 Cft Rs: 832/-



9.	Making & fixing steel grated doors with 1/16" thick sheeting including angle iron frame 2"x2" 3/8"x 3/4" square bars 4" center to center with locking arrangement (GSI.No.24 P/97)	22.45 Sft @Rs:726/72	P. Sft	Rs: 16,533/-
10	P/F iron steel grill of 1/4"x1/4" side flat iron of approved design i/c painting 3 coats weight not less than 3.7 lbs of finished grill(GSINO:26 P93)	30.00 Sft @Rs:180/50	P. Sft	Rs: 5,415/-
11	Fabrication of heavy steel work with angles tees flat iron round iron and sheet iron for making trusses girders tanks etc i/c cutting diverting handling assembling and fixing but excluding erection in position(GSIN:2,P-96).	2.54 Cwt @Rs:4928/49	P. Cwt	Rs: 12,518/-
12	Cement plaster(1:4) upto 12' ft height 3/8" thick (GSINO:11(a) P-52)	940.25 Sft @Rs:2197/52	P%Sft	Rs: 20,662/-
13	Cement plaster(1:6) upto 12' ft height 1/2" thick (GSINO:13(b) P-52)	940.25 Sft @Rs:2206/60	P% Sft	Rs: 20,748/-
14	Providing and laying 1" thick topping cement concrete(1;2:4) i/c surface finishing and dividing into panels (2"Thick) (PHSINO:16,P-42)	120.0 Sft @Rs:3275/50	P.% Sft	Rs: 3,931/-
15	White wash one coat(GSINO:24P-54)	940.25 Sft @Rs: 416/63	P.% Sft	Rs: 3,917/-
16.	Colour Washing two coats (GSI.No.25/b P/54)	940.25 Sft @Rs: 859/90	P.% Sft	Rs: 8,085/-
16	Painting New Surface. Preparing (Door and windows) Surface and painting of any type (i/c angle two coats (GSINO:5 (c) P-70)	105.0 Sft @Rs: 2116/41	P.% Sft	Rs: 2,233/-
17	Erection and fitting in position of iron trusses and testing of water tank etc (GSINO:3 P-91)	2.54 Cwt @Rs:271/04	P. Cwt	Rs: 688/-
18	White wash three coat(GSINO:26/c P-54)	120.00 Sft @Rs: 829/95	P.% Sft	Rs: 996/-
			Total	Rs: <u>2,30,610/=-</u>

**GROUP 'D' PUMPING MACHINERY NEW PEPAIR**

1. Supplying and installing in position i/c transportation to site of work at Rural Drainage Scheme Bachal Wariyah electric pumping set consisting of A.C. electric motor of 5.50 BHP 3 phase 50 cycles 400/420 volts 960 RPM type ILA 133-4 AA60 coupled with KSB pump type (KWPZ-65-315) size 3"x2 1/2" mounted on common steel frame or base plate capable of discharging 70 gallons per minute against a head of 40 ft i/c installation of pumping set on c.c foundation ratio(1:2:4) and ratio(1:4:8) with ballast with m.s nuts and bolts of 1/2" dia to be embedded in c.c foundation i/c providing and fixing on prepared board A.C. 50 cycles 3 phase 12/25 amperes trip rating push button type star delta starter complete with no volts and over load release and required i/c providing and fixing on prepared board iron (clad) triple pole and neutral switch fuse with rewirable fuse link carried 500 volts grade 30 amperes and providing and fixing volts meter 0-500 volts and amperes meter 0-50 amperes installed on metal led board i/c providing and fixing metal led board to accommodate main or sub main control switch recessed in the wall size 3'x2 1/2' i/c providing phase indication bulbs with holder and providing internal electric wiring for main with pvc insulated wire 660 volts grade in 25 mm (1/2") G.I. plate buried in the ground at depth of (12") for base plate and testing of the pumping set against the required head for 72 hours etc complete R.A attached
- 1 Set @Rs: 7,11,490/- P.Set Rs: 7,11,490/-
2. Providing and installing in position i/c transportation to site of work at Rural Drainage Scheme Bachal Wariyah Distt: Matiari 8 BHP Diesel pumping set consisting (Fixed)(Golden pump) with 2200 RPM directed coupled with non clogging pump of KSB(KWPZ 65x315 size 3"x2 1/2" with 70 FT GPM discharge against the head of 40 ft mounted on common steel frame or base i/c making cement concrete foundation ratio(1:2:4) and CC (1:4:8) with m.s. nuts and bolts of 1.04 dia to be embedded in cc foundation i/c testing or pumping set against the required head of 72 hours etc etc complete (R.A. Approved)
- 1 Set @Rs: 5,24,625/- P.Set Rs: 5,24,625/-
3. Providing A.C electric motor 5.50 (Type ILA 13.0-4AA-60) three phase 50 (siemes made) cycles 400/420 volts of 1450 RPM (M.R)
- 1 No @Rs: 42602/- Each Rs: 42,602/-
4. Providing Diesel Engine 8 HP (Type chaina made) 2200 RPM (M.R) self start with 12 volt battery
- 1 No @Rs: 23,400/- Each @Rs: 23,400/-
5. Repair non clogging sullage pump size 2 1/2 x3 ect complete (R.A Approved)
- 2 No @Rs: 10000/- Each Rs: 20,000/-

6	Providing and fixing motor control unit(MCU) type 17A K.S.B (rate approved) 5.50 BHP			
	1 No	@Rs: 45,000/-	Each	Rs: 45,000/-
	Wiring PVC installed with 4-7/0.36 (3mm) core copper conductor 300/500 volts 4mm <sup>2</sup> (ESINO: 32-P-5)			
	300.00Rft	@Rs: 108/84	P. Rft	Rs: <del>32,652/-</del>
7	Manufacturing supplying and fixing based on schedule M.S pipe made out of M.S sheet of 3/8" thick(R.Approved)			
i)	<u>3"Dia</u>			
	96.00 Rft	@Rs:385/89	P. Rft	Rs 37,045/-
	<u>4"Dia</u>			
	38.00.Rft	@Rs: 506/60	P. Rft	Rs: 19,251/-
9.	Manufacturing supplying M.S. flanges of different dia made of M.S.sheet of holes and welding of flanges with M.S pipe etc complete(R,A)			
	<u>3"Dia</u>			
	16 Nos	@RS: 500/89	Each	Rs: 8,014/-
	<u>4"Dia</u>			
	20 Nos	@RS: 596/75	Each	Rs: 11,935/-
10.	Supplying C.I. sluice valve heavy pattern(test pressure 21 Kg sq cm or 300 lbs sq inch)(SMI No 2-P-10)			
	<u>4"Dia</u>			
	2 Nos	@RS: 4290/-	Each	Rs: 8,580 /-
11.	Supplying C.I. Reflex valve heavy pattern(test pressure 21 Kg sq cm or 300 lbs sq inch)(SMI NO: 6 P-11 ) imported			
	<u>3"Dia</u>			
	2 Nos	@Rs: 1543/75	Each	Rs 3,088/-
12.	Supplying C.I. taper flat bottomed or central tapered flanged ends with holes i/c turning and facing turning flanges for all size. (S M I)			
	<u>3"x4"</u>			
	0.51 Cwt	@RS: 6096/-	P. Cwt	Rs: 3,109/=
13.	Supplying C.I. bend with flanged ends with holes i/c turning and facing of flanges for all size.(S M I No: 8 P-14)			
	<u>3'Dia 90o(F)</u>			
	<u>4'Dia90o(f)</u>			
	1.64 Cwt	@Rs: 6,096/-	P. Cwt	Rs: 9,997/-
14.	C.I.Tee flanged ends with holes i/c turning and facing of flanges. (S M I No:12 P No)			
	<u>4"x 4"x3"</u>			
	0.45 Cwt	@Rs: 6,096/-	P. Cwt	Rs: 2,743/-

15	Supplying CI foot valve heavy pattern test (SmINO:4 P-11) 3"Dia 4 Nos @Rs: 731/25	Each	Rs:	2,925/-
16	Supplying CI short piece(SMINO:9 P-15) 4"Dia 1 No @Rs: 487/50	Each	Rs:	488/-
17	Jointing C.I./M.S.flanges pipes and specials flanged and inside trench i/c supplying rubber packing of the required thickness nuts bolts with washers etc complete.(PHSINO:1P-35)			
i)	3"Dia 16.0 Joints @Rs: 499/-	P. Joint	Rs:	7,984/=
ii)	4"Dia 16.0 Joint @Rs: 513/-	P.Joint	Rs:	8,208/=
		Total	Rs:	15,23,136/=

**GROUP E RISING MAIN 4DiA**

1.	Excavation for pipe lines in trenches and pits in Soft Soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within one chain as directed by Engineer Incharge providing fence guards light flags and wherever required lift upto 5ft and Lead upto one chain (P.H.S.I.NO:1 P/60) 4" Dia			
	6000.0 Cft @Rs:3600/-	P%0Cft	Rs:	21,600/-
2.	Providing laying and jointing PVC pipes class B (Equivalent make) Fixing in trench i/c cutting fitting and jointing with Z joint with one rubber ring i/c testing with water to a head 122 meter or 400 ft (R.A Aproved ) 4" Dia			
	1000.00 Rft @Rs: 259/90	P.Rft	Rs:	2,59,900/-
3.	Supply C.I special of A.G pressure pipe B CLASS( Stander weight of ACL SMNO 10P/3)			
i)	C.I Bend 90 Degree (PHSINO:1p-13)			
	1 Nos @Rs: 893/75	Each	Rs:	894/-
ii)	C.I Bend 45 degree (PHSINO:1p-13) 4"Dia			
	1 Nos @Rs: 731/25	Each	Rs:	731/-
4	Supply A.C Collar B class (PHSINO:4P-4) 4" Dia			
	1 Nos @Rs: 157/-	Each	Rs:	157/-
5.	One pairs of rubber for A.C pressure pipe B class (conet joint PHSINO:7 P-4) 4"Dia			
	1 Nos @Rs: 95/-	Each	Rs:	95/-

5. Making joint to C.I specials fitting (i/c laying of specials and cost of solvent cement) of required diameter and testing the joints along with PVC pipe line B", C", and D" class to the specified pressure and making good to all leaky joints etc complete. (PHSINO(n)1 P-80)

4" Dia  
1 No @Rs: 62/- Each Rs: 62/-

9. Refilling excavated the stuff in trenches 6" thick layers i/c watering ramming to full compaction etc complete (PHSINO:24P-77)

5400.0 Cft @Rs:2760/- P %0 Cft Rs: 14,904/-  
Total Rs: 2,98,343/-

### ABSTRACT

1. Repair of Surface Drains I/C Sludge Clearance	Rs:-	16,69,083/-
2. Collecting Tank Size ( 12 Dia )	Rs:-	5,59,816/-
3. Inter Connection	Rs:-	7,760/-
4. Screening Chamber size 8'x5'(2 Nos )	Rs:-	1,75,565/-
5. Pump House	Rs:-	2,30,610/-
6. Pumping Machinery New/Repair	Rs:-	15,23,136/-
7. Rising Main 4 Dia	Rs:-	2,98,343/-
<b>G.Total</b>	<b>Rs:-</b>	<b>44,64,313/-</b>

### CONDITIONS.

1. Any error or omissions in the description of items, rates, unit quantity & Calculation will be governed by the relevant schedule of rates.
2. The contractor must remove the surplus earth, material, Garbage from Site of work on his own cost.
3. No premium will be allowed on non-schedule items & market rates.
4. No separate cartage will be paid to the contractor.
5. The work will be completed within specified period.
6. The contractor is bound the work will be carried out as per agreement and standard PWD specification .

CONTRACTOR

EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG: DIVISION  
MATIARI.

**REHABILITATION OPERATION AND MAINTENANCE FOR RURAL  
DRAINAGE SCHEME BACHAL WARYAH TALUKA & DISTRICT MATIARI**

**ABSTRACT OF COST**

(A)	ESTABLISHMENT	Rs: - 252,000/-
(B)	ELECTRICAL / MECHANICAL	Rs: - 730,080/-
(C)	ANNUAL MAINTENANCE	Rs: - 200,000/-

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**Total Rs: - 1,182,080/-**

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ASSISTANT ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
MATIARI

EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
MATIARI

SCHEDULE "B"

NAME OF WORK:-

REHABILITATION OF RURAL DRAINAGE  
SCHEME MISRI JAKHRIJO TALUKA  
DISTRICT MATIARI.....

S#	Items	Qty:	Rate	Unit	Amount.
<b><u>GROUP 'A' REPAIR OF SURFACE DRAINS i/c SLUDGE SILT CLEARANCE</u></b>					
1	Dismantling brick work in lime or cement motor (GSINO:13 P-10)	2025.00Cft	@Rs: 1285/63	P % Cft.	Rs: 26,034/-
2	Earth work excavation in ashes sand soft soil or silt clearance Undressed Lead up to 50 ft (GSI No: 2 P/1)	5735.0Cft	@Rs: 1663/75	P %0Cft.	Rs: 9,542/-
3	Re-handling of earth work (b) upto a lead of 50 ft ( GSI NO: 9 P/2)	7760.00Cft	@Rs:1058/75	P%0 Cft	Rs: 8,216/-
4	Extra for every 50 ft additional lead of part therefore (a) for earth Work (Soft ordinary Soil) hard and very hard (GSI NO: 8(a) P/2).	7760.00Cft	@ Rs: 4938/22	P%0 Cft	Rs: 38,321/-
4	Excavation in foundation of building bridges and other structure i/c dag belling dressing refilling around the structure with excavated earth watering ramming lift upto 5ft and lead upto one chain (In ordinary soil) etc(G.S.I.NO:18 P/4)	3010.00Cft	@ Rs: 3176/25	P%0 Cft	Rs: 9,561/-
5	Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering ratio(1: 4:8) (G.S.I.NO:5P-17)	602.50Cft.	@Rs: 11288/75	P %Cft.	Rs: 68,015/-
6	Pacca brick work in foundation and plinth in cement sand motor (1,6) (GSI NO: 4P/21)	4350.00Cft	@Rs: 11948/36	P% Cft	Rs: 5,19,754/-
7	Constt: of standard open drains cunette block of c.c 1:2:4 In situ to the design profile i/c cost of mould as per drawing i/c applying floating cost of cement 1/32" thick to the exposed face finished smooth curing etc complete as per detailed drawing .(PHSI No:d(ii)P/58).				
	T-A	500.00Rft	@Rs: 94/-	P: Rft	Rs: 47,000/-
	T-B	400.00Rft	@Rs: 174/-	P : Rft	Rs: 69,600/-

8 Cement plaster 1:4 up to 12' fit height 1/2" thick ( GSI No: 11/b P-52).

9988.00Sft @Rs: 2283/93 P% Sft Rs: 2,28,119/-

9. R.C.C work. In roof slab beams columns raffs lintel and other structural Member laind in situ (Ratio. 1: 2: 4) 90(b) count rept sand 4 cft shingle 1/8' to 1/4' gauge (GSI No: 6(a) P-12)

208.00 Cft @ Rs: 337/- P.Cft Rs: 70,096/-

10 Fabrication of mild steel reinforcement for c.c i/c cutting bending laying in Position making joints and fastening i/c cost binding wire also removal of Rust from bars etc (GSI No: 8 (a) P/17 (1) using for bars.

7.42 Cwt.. @ Rs: 5001/70 P.Cwt Rs: 37,113/-

G. Total Rs: 11,31,371/-

**GROUP 'B' (I) COLLECTING TANK SIZE(12 DIA)**

1. Excavation of well dry upto 20"below ground level and disposal of soil within one chain(GSINO:1(a)P-86)

i) 0'-5'Depth  
883.12 Cft @Rs:2247/48 P%0Cft Rs: 1,985/=

2. Wet sinking of well for depth below spring level by means of divers i/c all charges for shoring loading and removing excavated material within one chian(GSINO:4(a)p-87)

i) 0'-5'Depth  
825.23 Cft @Rs: 11763/80 P%0Cft Rs: 9,708/=

ii) 5'-10'Depth  
825.23 Cft @Rs: 24200/- P%0Cft Rs: 19,971/=

iii) 10'-15'Depth  
247.56 Cft @Rs: 37230/77 P%0Cft Rs: 9,217/=

3. Bailing or pumping out sub soil water during excavation concreting cost in situ concrete or masonry work in foundation etc (PHSINO:18,P-75)

5941.66 Cft @Rs:543/- P%0Cft Rs: 32,263/=

4. Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio (1:4:8)(GSINO:4 P-15)

231.18 Cft @Rs:9416/28 P%0Cft Rs: 21,769/=



5.	Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering (G.S.I.NO: 5 P/16)			
i)	Ratio(1:3:6)			
	113.00 Cft @Rs:12595/-	P% Cft	Rs:	14,233/=
ii)	Ratio(1:2:4)			
	113.00 Cft @Rs:14429/25	P% Cft	Rs:	16,305/=
6.	R.C.C. work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all kinds forms moulds lifting shuttering ;curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) RCC work in roof slab beams columns rafts lintels and other structural member laid in situ or precast laid in position in all respect ratio(1:2:4)et (G.S.I.NO:5 P/17)			
	750.00 Cft @Rs:337/-	P.Cft	Rs:	2,52,750/=
7.	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/c removal of rust from bars etc (G.S.I.NO:8 P/17)			
	28.51 Cwt @Rs:5001/70	P.Cwt	Rs:	1,42,598/=
8.	Providing expansion joint in cement work of 9" wide corrugated PVC water stop with bulbs i/c soldering cost of material and lab our etc complete(PHSINO:2,P-56)			
	125.46 Rft @Rs:86/80	P.Rft	Rs:	10,790/=
9.	Cement plaster(1:4) upto 12' ft height 1/2" thick (GSINO:11/bP-57)			
	602.88 Sft @Rs:2283/93	P% Sft	Rs:	13,769/=
10	Supply dampo((GSINO:11(b)P-57)			
	15.40 Lbs @Rs: 56/18	P. Lbs	Rs:	875/=
11	P/F in position in cc foundation (1:3:6)M.S.ladder of M.S. angle iron 2'x2"x1/4" 1" apart with M.S. bar 3/4" dia spaced 1' apart i/c painting three coat with anticorrosive steel paint etc complete. (PHSINO:3,P-55)			
	17.0Rft @Rs:799/-	P.Rft	Rs:	13,583/=
		Total	Rs:	5,59,816/=

### GROUP'B' (II) INTERCONNECTION

1. Excavation for pipe lines in trenches and pits in Soft Soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within one chain as directed by Engineer In charge providing fence guards light flags and wherever required lift upto 5ft and Lead upto one chain (P.H.S.I.NO:1 P/46)

	192.00Cft @Rs:3600/-	P%0Cft	Rs:	691/=
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2. Providing laying RCC pipes of A.STM C-76-62 class ii wall B and faxing In trench i/c cutting fitting and jointing with rubber ring i/c testing With water to specified pressure.(P H I No:B 1 P-17).  
12" dia.  
16.0 Rft @Rs:412/- P.Rft Rs: 6,592/=
3. Refilling excavated the stuff in trenches 6" thick layers i/c watering ramming to full compaction etc complete  
(GSINO:24 P-77)  
172.80 Cft @Rs:2760/- P%0Cft Rs: 477/=

Rs: 7,760/=

**GROUP 'B' (III) SCREENING CHAMBER.SIZE(5'x8')2Nos**

1. Excavation for tank and reservoirs in soft soil i/c trimming and dressing side to true alignment design section/profiles and shape leveling of bed of trenches to correct level and i/c laying of earth in 6"layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by engineer in charge providing fence guards light flags and temporary crossing for non vehicular traffic wherever required lift upt 5ft(1.52m) and lead upto one chain(30.5m). (PHSINO:1,P-67)
- i) 0'-5'Depth  
440.0 Cft @Rs:3000/- P%0Cft Rs: 1,320/=
2. Excavation for tank and reservoirs in wet soil i/c trimming and dressing side to true alignment design section/profiles and shape leveling of bed of trenches to correct level and i/c laying of earth in 6"layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by engineer in charge providing fence guards light flags and temporary crossing for non vehicular traffic wherever required lift upt 5ft(1.52m) and lead upto one chain(30.5m). (PHSINO:14P-50)
- i) 0'-5'Depth  
352.00 Cft @Rs:4800/- P%0Cft Rs: 1,690/=
3. Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio (1:4:8)(GSINO:4 P-15)  
44.00 Cft @Rs:9416/28 P%0Cft Rs: 4,143/=
4. 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 P/17)  
10.00 Cft @Rs:14429/25 P%0Cft Rs: 1,443/=
5. R.C.C. work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all kinds forms moulds lifting shuttering ;curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) RCC work in roof slab beams columns rafts lintels and other structural member laid in situ or precast laid in position in all respect ratio(1:2:4)et (G.S.I.NO:5 P/17)  
242.27 Cft @Rs:337/- P.Cft Rs: 81,645/=

6.	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/c removal of rust from bars etc (G.S.I.NO:8 P/17) Using tor bar				
	9.73 Cwt	@Rs:5001/70	P.Cwt	Rs:	48,667/=
7.	Pucca brick work in foundation and plinth in cement sand mortar (1:6) etc (G.S.I.NO:4 P/21)				
	20.34 Cft	@Rs:11948/36	P% Cft	Rs:	2,430/=
8.	Cement plaster(1:4) upto 12' ft height 1/2" thick (GSINO:11/b P-57)				
	187.56 Sft	@Rs:2283/93	P%Sft	Rs:	4,284/=
9.	Providing expansion joint in cement work of 9" wide corrugated PVC water stop with bulbs i/c soldering cost of material and lab our etc complete(PHSINO:2,P-56)				
	30.00Rft	@Rs:86/-	P. Rft	Rs:	2,580/=
10.	P/F in position in cc foundation (1:3:6 )M.S.ladder of M.S.angle iron 2'x2"x1/4" 1" apart with M.S.bar 3/4" dia spaced 1' apart i/c painting three coat with anticorrosive steel paint etc complete (PHSINO:3,P-55)				
	10.0Rft	@Rs:799/-	P.Rft	Rs:	7,990/=
11.	Fabrication of heavy steel work with angles tees flat iron round iron and sheet iron for making trusses girders tanks etc i/c cutting diverting handling assembling and fixing but excluding erection in position(GSIN:2,P-91).				
	1.67 Cwt	@Rs: 4928/49	P.Cwt	Rs:	8,231/=
12.	Erection and fitting in position of iron trusses and testing of water Tank etc (G S I No: 3 P-91)				
	1.67 Cwt	@Rs:271/04	P.Cwt	Rs:	453/=
13.	Providing and fixing C.I.main hole cover with frame i/c cost of material etc(PHSINO:1,P-13)				
	1.75Cwt	@Rs: 6985/-	P.Cwt	Rs:	12,224/=
			Total	Rs:	<u>1,75,568/=</u>

#### **GROUP 'C' PUMP HOUSE**

1.	Excavation in foundation of building bridges and other structure i/c dag belling dressing refilling around the structure with excavated earth watering ramming lift upto 5ft and lead upto one chain (In ordinary soil) etc (G.S.I.NO:18 P-4)				
	235.00Cft	@Rs:3176/25	P%0 Cft	Rs:	746/=
2.	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio (GSINO:4 P-15 )				
i)	<u>Ratio(1:4:8)</u>				
	47.00 Cft	@Rs:9416/28	P% Cft	Rs:	4,426/=
ii)	<u>Ratio(1:5:10)</u>				
	57.00 Cft	@Rs:8694/95	P% Cft	Rs:	4,980/=

3. 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(f) P/16)
- 188.00 Cft @Rs:12595/- P% Cft Rs: 23,679/=
4. Erection and removal of centering for R.C.C.plain,c.c.works pental wood (2<sup>nd</sup> class) vertical (G.S.I.NO:18 P/20)
- 376.0Csft @Rs: 3127/41 P% Sft Rs: 11,759/=
5. Pucca brick work in ground floor in cement sand mortor (1:6)(GSINO:4 P-21)
- 298.51 Cft @Rs:12674/36 P% Cft Rs: 37,834/=
6. R.C.C. work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all kinds forms moulds lifting shuttering ;curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) RCC work in roof slab beams columns rafts lintels and other structural member laid in situ or precast laid in position in all respect ratio(1:2:4)et (G.S.I.NO:5 P/19)
- 94.13 Cft @Rs:337/- P.Cft Rs: 31,722/=
7. Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/c removal of rust from bars etc (G.S.I.NO:8 P/17)
- 3.78Cwt @Rs:5001/70 P.Cwt Rs: 18,906/=
8. Filling watering and ramming earth under floor with new earth (excavated from outside) lead one chain lift upto 5ft(GSINO:82,P-5)
- 229.12 Cft @Rs:3630/- P%0Cft Rs: 832/=
9. Making & fixing steel grated doors with 1/16" thick sheeting including angle iron frame 2"x2" 3/8"x 3/4" square bars 4" center to center with locking arrangement (GSI.No.24 P/92)
- 22.75Sft @Rs:726/72 P.Sft Rs: 16,533/=
- 10 P/F iron steel grill of 1/4"x1/4"side flat iron of approved design i/c painting 3 coats weight not less than 3.7 lbs of finished grill(GSINO:26 P92)
- 30.00Sft @Rs:180/50 P.Sft Rs: 5415/=

11	Fabrication of heavy steel work with angles tees flat iron round iron and sheet iron for making trusses girders tanks etc i/c cutting diverting handling assembling and fixing but excluding erection in position(GSIN:2,P-91).	2.54Cwt	@Rs:4928/49	P.Cwt	Rs:	12,518/=
12	Cement plaster(1:4)upto 12' ft height 3/8" thick (GSINO:11/a P-52)	940.25 Sft	@Rs:2197/52	P%Sft	Rs:	20,662/=
13	Cement plaster(1:6)upto 12' ft height 1/2" thick (GSINO:13(b) P-52)	940.25 Sft	@Rs:2206/60	P%Sft	Rs:	20,748/=
14	Providing and laying 1" thick topping cement concrete(1;2:4)i/c surface finishing and dividing into panels(2"Thick) (PHSINO:16,P-42)	120.0 Sft	@Rs:3275/50	P%Sft	Rs:	3,931/=
15	White wash One coat(GSINO:24P-54)	940.25Sft	@Rs: 416/63	P.%Sft	Rs:	3,917/=
	Colore washing (GSINo: 26 c P-56 )	940.25 Sft	@Rs: 859/90	P%Sft	Rs:	8,085/=
16	Painting New Surface.Preparing (Door and windows) Surface and painting of any type (i/c angle two coats (GSINO:5 (c) P-70)	105.50 Sft	@Rs: 2116/41	P.%Sft	Rs:	2,233/=
17	Erection and fitting in position of iron trusses and testing of water tank etc (GSINO:3 P-91)	2.54 Cwt	@Rs:271/04	P.Cwt	Rs:	688/=
19	Wight wash three coats (G S I No: 26 c P-54)	120.00 Sft	@Rs: 829/95	P%Sft	Rs:	996/=
	Total				Rs:	<u>2,30,610/=</u>



GROUP 'D' PUMPMING MACHINERY NEW /REPAIR

1. Supplying and installing in position i/c transportation to site of work at Rural Drainage Scheme Misri Jakhrijo electric pumping set consisting of A.C. electric motor of 5.50 BHP 3 phase 50 cycles 400/420 volts 960 RPM type ILA 133-4 AA60 coupled with KSB pump type (KWPZ-65-315) size 3"x2 1/2" mounted on common steel frame or base plate capable of discharging 70 gallons per minute against a head of 40 ft i/c installation of pumping set on c.c foundation ratio(1:2:4) and ratio(1:4:8) with ballast with m.s nuts and bolts of 1/2" dia to be embedded in c.c foundation i/c providing and fixing on prepared board A.C. 50 cycles 3 phase 12/25 amperes trip rating push button type star delta starter complete with no volts and over load release and required i/c providing and fixing on prepared board iron (clad) triple pole and neutral switch fuse with rewirable fuse link carried 500 volts grade 30 amperes and providing and fixing volts meter 0-500 volts and amperes meter 0-50 amperes installed on metal led board i/c providing and fixing metal led board to accommodate main or sub main control switch recessed in the wall size 3'x2 1/2' i/c providing phase indication bulbs with holder and providing internal electric wiring for main with pvc insulated wire 660 volts grade in 25 mm (1/2") G.I. plate buried in the ground at depth of (12") for base plate and testing of the pumping set against the required head for 72 hours etc complete  
R.A attached

- |       |   |       |                |
|-------|---|-------|----------------|
| 1 Set | @Rs: 711330/=   | P.Set | Rs: 7,11,330/= |
| 2.    | Providing and installing in position i/c transportation to site of work at Rural Drainage Scheme Bachal Wariyah Distt: Matiari 8 BHP Diesel pumping set consisting (Fixed)(Golden pump) with 2200 RPM directed coupled with non clogging pump of KSB(KWPZ 65x315 size 3"x2 1/2" with 70 FT GPM discharge against the head of 40 ft mounted on common steel frame or base i/c making cement concrete foundation ratio(1:2:4) and CC (1:4:8) with m.s. nuts and bolts of 1.04 dia to be embedded in cc foundation i/c testing of pumping set against the required head of 72 hours etc etc complete (R.A. Approved) |       |                |
| 1 Set | @ Rs: 524470/=  | P.Set | Rs: 5,24,470/- |
| 3.    | Providing A.C electric motor 5.50 (Type 1LA -130-4AA60) three phase 50 (siemes made) eyes 400/420 volts of 1450 RPM (M.R)   |       |                |
| 1 No  | @Rs: 42602/=  | Each  | Rs: 42,602/=   |
| 4     | Providing Diesel Engine 8 HP (Type chaina made) 2200RPM(M.R) self start with 12 volt battery  |       |                |
| 1 No  | @Rs: 23400/-  | Each  | @Rs: 23,400/=  |
| 5     | Repair non clogging sullage pump size 2 1/2 x3 ect complete (R.A Approved)  |       |                |
| 2 No  | @Rs: 10000/-  | Each  | Rs: 20,000/=   |

6	Providing and fixing motor control unit(MCU) type 17A K.S.B (rate approved) 5.50 BHP			
	1 No	@Rs: 45000/-	Each	Rs: 45,000/=
	Wiring pvc installed with 4-7-036 (4mm) from core copper conductor 300/500 (ESINO: 32P-5)			
	300.00Rft	@Rs: 108/84	P.Rft	Rs: 32,652/=
7	Manufacturing supplying and fixing block steel ms pipe madeout of ms sheet of 3/86 thick(R.Approved) Based on schdule			
i)	<u>3"Dia</u>			
	96.00 Rft	@Rs:385/89	P.Rft	Rs 37,045/=
	<u>4"Dia</u>			
	38.00.Rft	@Rs: 506/60	P.Rft	Rs: 19,251/=
9.	Manufacturing supplying M.s.flanges of different dia made of m.s.sheet of holes and welding of flanges with m.s pipe etc complete(R,A)			
	<u>3"Dia</u>			
	16 Nos	@RS: 500/89	Each	Rs: 8,014/=
	<u>4"Dia</u>			
	20 Nos	@RS: 596/75	Each	Rs: 11,935/=
10.	Supplying C.I.slucive valve heavy pattern(test pressure 21 Kg sq cm or 300 lbs sq inch)(SMI No2- P-10)			
	<u>3"Dia</u>			
	2 Nos	@RS: 4290/-	Each	Rs: 8,580/-
11.	Supplying C.I.Reflex valve heavy pattern(test pressure 21 Kg sq cm or 300 lbs sq inch)(SMI NO: 6-P-11)			
	<u>3"Dia</u>			
	2 Nos	@Rs: 1543/75	Each	Rs 3,088/=
12.	Supplying C.I.tapper flat bottomed or central tapered flanged ends with holes i/c turning and facing turning flanges for all size. (S M I)			
	<u>3"x2-1/2"</u>			
	0.51 Cwt	@RS: 6096/-	P.Cwt	Rs: 3,109/=
13.	Supplying C.I.bend with flanged ends with holes i/c turning and facing of flanges for all size.(S M I No: 8 P-8-14)			
	<u>3"Dia 90o(F)</u>			
	<u>4"Dia90o(f)</u>			
	1.64 Cwt	@Rs: 6096/-	P.Cwt	Rs: 9,997/-
14.	C.I.Tee flanged ends with holes i/c turning and facing of flanges. (S M I No:12 P No			
	0.45 Cwt	@Rs: 6096/-	P.Cwt	Rs: 2,743/-



15	Supplying CI foot valve heavy pattern test (SmINO:4 P-12) 3"Dia				
	4 Nos	@Rs: 731/25	Each	Rs:	2,925/=
16	Supplying CI short piece(SMINO:9 P-15) 4"Dia				
	1 No	@Rs: 487/50	Each	Rs:	488/=
17	Jointing C.I./M.S.flanges pipes and specials flanged and inside trench i/c supplying rubber packing of the required thickness nuts bolts with washers etc complete.(PHSINO:1P-40)				
i)	3"Dia		16.0 Joints		
	16.0 Joints	@Rs: 499/-	P.Joint	Rs:	7,984/=
ii)	4"Dia				
	16.0 Joint	@Rs: 513/-	P.Joint	Rs:	8,208/=
18	Repair of Transformer Tacking out 25 K V transformer & repair of 3 Nos coils i/c changing transformer & repair of oil from disposal work for necessary repair @ Hyd:and referring at same place (R.A approved C.E PHED vide his No: 513 dt: 26/2/2011 or W/Supply scheme Nabi Bux Mahajor				
	1No	@Rs: 66800/-	Each	Rs:	66,800/-
			Total	Rs:	15,89,621/=

**GROUP 'E' RISING MAIN 4DiA**

1.	Excavation for pipe lines in trenches and pits in Soft Soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within one chain as directed by Engineer Incharge providing fence guards light flags and wherever required lift upto 5ft and Lead upto one chain (P.H.S.I.NO:1 P/60) 4"Dia				
	6000.00 Cft	@Rs:3600/-	P%0Cft	Rs:	21,600/=
2	Providing laying and jointing F/C pressure pipes class B (Equivalent make)Fixing in trench i/c cutting fitting and jointing with with one rubber ring i/c testing with water to a head 61 meter or 200ft (R.A approved) 4"Dia				
	1000.00Rft	@Rs: 259/90	P.Rft	Rs:	2,59,900/=
3.	Supply C.I special of A.C pressure pipe B CLASS( Stander weight of AC L SMNO 10P/3)				
i)	C.I Bend 90°C (PHSINO:2 p-13)				
	1 Nos	@Rs: 893/75	Each	Rs:	894/=
ii)	C.I Bend 45°C (PHSINO:1p-13)				
	1 Nos	@Rs: 731/25	Each	Rs:	731/=
4	Supply A.C Colour B class (PHSINO:4P-4) 4"Dia				
	1 Nos	@Rs: 157/-	Each	Rs:	157/-

5.	One pairs of rubber for A.C pressure pipe B class (conet joint PHSINO:7 P-4) 4"Dia	1 Nos		
	1 Nos @Rs: 95/-	Each	Rs:	95/-
6.	Making joint to C.I specials fitting (i/c laying of specials and cost of solvent cement)of required diameter and testing the joints along with PVC pipe line B" ,C", and D" class to the specified pressure and making good to all leaky joints etc complete.(PHSINO(n)1 P-80) 4"Dia	1 No	@Rs:62/-	Each
			Rs:	62/=
7.	Refilling excavated the stuff intranches 6" thick layers i/c watering ramming to full compaction etc complete (PHSINO:24P-77)	5400.00 Cft	@Rs:2760/-	P%0Cft
				Total
				Rs: 14,904/=
				Rs: 2,98,343/=

**GROUP 'F' CLOUR WASING OF COMPOUND WALL,PUMP HOUSE  
JANGAL CLEARANCE OF OXIDATION POND.**

**(I) JANGAL CLEARANCE OF OXIDATION POND.**

1.	Jangal clearance and removing with in 100 ft (G.S.I.NO:4- P 95)	6528.00Sft	@Rs: 75/63	P%0Sft	
					Total
					Rs: 494/-
					Rs: 494/-

**(II) COLOUR WASH OF COMPOUND WALL.**

1	Painting old surfaces ( c) painting doors and windows Any type i/c three coats (G S I No: 4 c P- 68)	144.00Sft	@Rs: 1662/21	P%Sft	Rs: 2,394/=
2	Distempering ( b) two costs (GSINO:24P-54) Compound wall	2800.0Sft	@Rs: 1043/90	P%Sft	Rs: 29,229/=
					Total
					Rs: 31,623/=

**(III) REPAIR & COLOUR WASHING OF PUMP HOUSE.**

1.	Removing Cement plaster or lime plaster (G S I No:53P-13)	386.25Sft	@Rs: 121/-	P% Sft	Rs: 467/-
2	Cement plaster 1:4 upto 12' height (b) ½ thick (G S I No:11(b)P-52)	386.25 Sft	@Rs: 2283/93	P% Sft	Rs: 8,822/-
3.	White Washing of 2 coots (G S I No: 26(b) P-54)	202.50 Sft	@Rs:425/84	P% Sft	Rs: 862/-

4	Distemping 3 coots (GSINo: 24(b)P54	873.75 Sft	@Rs: 1079/65	P% Sft	Rs: 9433/-
5.	Painting old surfaces ( c) painting doors and windows any type i/c three coats (G S I No: 4 c P- 68)	85.50Sft	@Rs: 1662/21	P% Sft	
				Total	Rs: 1,421/- Rs: 21,005/=

### ABSTRACT

1.	Repair of Surface Drains I/C Sludge Clearance	Rs:-	11,31,371/-
2.	Collecting Tank Size ( 12 Dia )	Rs:-	5,59,816/-
3.	Inter Connection	Rs:-	7,760/-
4.	Screening Chamber size 8'x5'(2 Nos )	Rs:-	1,75,568/-
5.	Pump House	Rs:-	2,30,610/-
6.	Pumping Machinery New/Repair	Rs:-	15,89,621/-
7.	Rising Main 4 Dia	Rs:-	2,98,343/-
8.	Jangal Clearance of Oxidation Pond	Rs:-	494/-
9.	Colour Wash of Compound Wall	Rs:-	31,623/-
10.	Repair & Colour Washing of Pump House	Rs:-	21,005/-
	<b>G.Total</b>	<b>Rs:-</b>	<b>40,46,211/-</b>

### CONDITIONS.

1. Any error or omissions in the description of items, rates, unit quantity & Calculation will be governed by the relevant schedule of rates.
2. The contractor must remove the surplus earth, material, Garbage from Site of work on his own cost.
3. No premium will be allowed on non-schedule items & market rates.
4. No separate cartage will be paid to the contractor.
5. The work will be completed within specified period.
6. The contractor is bound the work will be carried out as per agreement and standard PWD specification .

CONTRACTOR

EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG: DIVISION  
MATIARI.

**REHABILITATION OPERATION AND MAINTENANCE FOR RURAL  
DRAINAGE SCHEME MISRI JAKHREJO TALUKA & DISTRICT MATIARI**

**ABSTRACT OF COST**

(A)	ESTABLISHMENT	Rs: - 252,000/-
(B)	ELECTRICAL / MECHANICAL	Rs: - 730,080/-
(C)	ANNUAL MAINTENANCE	Rs: - 200,000/-

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Total Rs: - 1,182,080/-

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**ASSISTANT ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
MATIARI**

**EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
MATIARI**

**REHABILITATION OPERATION AND MAINTENANCE FOR RURAL  
DRAINAGE SCHEME MISRI JAKHREJO TALUKA & DISTRICT MATIARI**

**(A) ESTABLISHMENT**

**(i) Pump Operator 1 No: (3240 -140-7440)**

1 x 12 =12 Months @Rs: - 7,000/- P/Month Rs: - 84,000/-

**(ii) Helper / Chowkidar 1 No: (2970-90-5670)**

1 x 12 =12 Months @Rs: - 7,000/- P/Month Rs: - 84,000/-

**(iii) Sweeper 1 No: (2970-90-5670)**

1 x 12 =12 Months @Rs: - 7,000/- P/Month Rs: - 84,000/-

**Total;** Rs: - 252,000/-

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**(B) ELECTRICAL & MECHANICAL CHARGES**

**i) Electricity consumption**

$(1 \times 2) \times 5.50 \times 0.746 \times 8.00 \times 300 = 19694.40$  Units

19694.40 Units @Rs: - 20/- P/Unit Rs: - 393,888/-

**DIESEL PUMPING MACHINERY**

**ii) Consumption of Diesel Per Hour**

$(1 \times 2) \times 8.00 \times 0.22 \times 8.00 \times 65 = 1830.40$  Liters

1830.40 Units @Rs: - 105/- P/Liter Rs: - 192,192/-

**iii) Oil Lubrication cotton waste.**

$(1 \times 4) \times 12 = 48$  Months @Rs: - 3,000/- P/Month Rs: - 144,000/-

**Total** Rs: - 730,080/-

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**(C) ANNUAL REPAIR CHARGES**

Minor repair civil electric & Mechanical works etc: Rs: - 200,000/-

**Total;** Rs: - 200,000/-

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**Grand Total** Rs: - 1,182,080/-

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**ASSISTANT ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
MATIARI**

**EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
MATIARI**

## SCHEDULE 'B'

NAME OF WORK: REHABILITATION OF RURAL DRAINAGE SCHEME  
KHANDO TALUKA HALA DISTRICT MATIARI:.....

S#	ITEM	QTY	RATE	UNIT	AMOUNT.
A.	<u>CONSTITUTION OF SURFACE DRAINS(REPAIR/TOWN).</u>				
1.	Earth work excavation in ashes sand soft soil or silt clearance undressed lead upto 50ft(GSINO: 2 P-1 )	8990.0	@Rs:1663/75	P%oCft	Rs:14,957/=
2.	Dismantling cement concrete plain ratio (1:2:4) (GSINO:19(c) P-11)	675.00	@Rs:3327/55	P%oCft	Rs:22,460/=
3.	Dismantling brick work in lime or cement mortar (GSINO:13 P-11)	416.00	@Rs:1285/63	P%oCft	Rs:5348/=
4.	Dismantling CC reinforcement separating reinforcement from concrete cleaning and straightening the same (GSINO:20P-10)	66.60	@Rs:5445/-	P%oCft	Rs:3626/=
5.	Extra for every 50ft additional or part thereof (a)For earth work soft ordinary hard and very hard(GSINO:8(a) P-2)	10147.60	@Rs:3023/40	P%oCft	Rs:30,680/=
6.	Excavation in foundation of building bridges and other structure i/c dag belling dressing refilling around the structure with excavated earth watering ramming lift upto 5ft and lead upto one chain (In ordinary soil) etc (G.S.I.NO:18 P-4)	6113.80	@Rs:3176/25	P%oCft	Rs:19,419/=
7.	Excavation for pipe lines in trenches and pits in Soft Soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within one chain as directed by Engineer Incharge providing fence guards light flags and wherever required lift upto 5ft and Lead upto one chain (P.H.S.I.NO:1 P/46)	72.00	@Rs:3600/-	P%oCft	Rs:259/=
8.	Providing R.C.C.and collars of class-B and fixing in trenches i/c cutting and jointing with maxphalt composition and cement mortar (1:1)1/2"(P.H.S.I.NO: 2 P-17)	40.00	@Rs:163/-	P.Rft	Rs:6520/=

9.	Refilling excavated the stuff in trenches 6" thick layers i/c watering ramming to full compaction etc complete. (PHSINO:24P-54)	65.00Cft	@Rs:2760/-	P%oCft	Rs:179/=
10.	Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering ratio (1:4:8) (G.S.I.NO: 5(f) P/77)	1278.15Cft	@Rs:11288/75	P%oCft	Rs:1,44,287/=
11	Pucca brick work in foundation and plinth in cement sand mortor (1:6)(GSINO:4P-22)	9201.15Cft	@Rs:11948/36	P%oCft	Rs:10,99,387/=
12.	Construction of standard open drains connute block of C.C.( 1:2:4 situ to the design profiles i/c cost of modules as per drawing i/c supplying floating cost of cement 1/3"thick to the exposed surface finished smooth curing etc complete as per detailed drawing				
i)	T-I N/Old D	2048.0Rft	@Rs:94/-	P.Rft	Rs:1,92,512/=
ii)	T-I N/Old D	1520.0Rft	@Rs:174/-	P.Rft	Rs:2,64,480/=
13	Cement plaster(1:4)upto 20' ft height 1/2" thick (GSINO:11( c )P-57)	20170.00Sft	@Rs:2283/93	P%oSft	Rs:4,60,669/=
14	R.C.C. work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all kinds forms moulds lifting shuttering ;curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) RCC work in roof slab beams columns rafts lintels and other structural member laid in situ or precast laid in position in all respect ratio(1:2:4)et (G.S.I.NO:5 /19	307.77 Cft	@Rs:337/-	P.Cft	Rs:1,03,718/=
15	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/c removal of rust from bars etc (G.S.I.NO:7 P/20)	10.99Cwt	@Rs:5001/70	P.Cwt	Rs:54,969/=
				Total	Rs:24,23,47/=
B	<u>REPAIR OF COMPOUND WALL</u>				
1.	Dismantling brick work in lime or cement mortar (GSINO:13 P-10)	59.94 Cft	@Rs:1285/63	P%oCft	Rs:771/=
2.	Dismantling cement concrete plain ratio (1:3:6) (GSINO:19 P-10)	100.00 Cft	@Rs:1306/80	P%oCft	Rs:130/=

3.	Erection and removal of centering for RCC or plain c.c.work of deodar wood(2 <sup>nd</sup> class)vertical.(GSINO:18 P-20)	2088.00Sft	@Rs:3127/41	P%Sft	Rs:65,300/=
4.	Cement concrete plain i/c placing compacting finishing curing complete i/c screening and washing of stone aggregate without shuttering ratio(1:3:6)(GSINO:5 P-17)	1051.50Cft	@Rs:12595/-	P%Cft	Rs:1,32,436/=
5.	Pucca brick work other then building i/c striking of joint upto 20' height(GSINO:7 P-26)	583.50 Cft	@Rs:12346/65	P%Cft	Rs:71,981/=
6.	Cement plaster(1:4)upto 20' ft height 1/2" thick (GSINO:11( c )P-57	2926.00Sft	@Rs:2283/93	P%Sft	Rs:66,828/=
7.	Making & fixing steel grated doors with 1/16" thick sheeting including angle iron frame 2"x2" 3/8"x 3/4" square bars 4" center to center with locking arrangement (GSI.No.24 P/92)	72.00 Cft	@Rs:726/72	P.Sft	Rs:52,324/=
8.	Distempering three coat(GSINO:24 P-59)	2926.00Sft	@Rs:1079/65	P%Sft	Rs:31,591/=
9.	<u>Painting New Surface</u> Preparing surface and painting of door and window any type (i/c edges) three coats(GSINO:5P-77)	144.0Sft	@Rs:2116/41	P%Sft	Rs:3047/=
				Total	Rs:4,24,408/=
C	<u>C.C.BLOCK.</u>				
1.	Barrow pit excavation undressed lead upto 100 ft ordinary soil (GSINO:3 P-1)	2886.20Cft	@Rs:2117/50	P%oCft	Rs:6112/=
2.	Earth work compaction (Soft ordinary or hard soil)(b) Laying earth in 6" layers leveling dressing and watering for compaction etc complete (GSINO:13(b)P-13)	900.00Cft	@Rs:354/-	P%oCft	Rs:3186/=
3.	Carriage of 100 Cft/5 tons of all material like stone aggregate spawl coal lime surkhi etc BG rails fastenings points and crossing bridge girders pipes sheets rails ms bars etc or 1000 Nos bricks 10"x5"x3" or 1000 Nos tiles 12"x6"x2" or 150 cft of timber or 100 mounds of fuel wood by trucks or any other means owned by the contractor(Cartage of M.S.INO:1 P-1)	2886.20Cft	@Rs:502/52	P%Cft	Rs:14,504/=



4.	Erection and removal of centering for R.C.C.plain c.c.works deodar wood (2 <sup>nd</sup> class) vertical (G.S.I.NO:18 P/20)	90.00 Cft	@Rs:312741	P%Cft	Rs:2815/=
5.	Cement concrete brick or stone ballast 1 ½" to 2" gauge ratio(1:4:8)(GSINO:4 P-60)	1980.0Cft	@Rs:9416/28	P%Sft	Rs:1,86,442/=
6.	Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering ratio (1:2:4) (G.S.I.NO: 5(f) P/17)	1500.0 Cft	@Rs:14429/25	P%Cft	Rs:2,16,439/=
				Total	Rs:4,39,193/=
D	<u>REPAIR OF COLLECTING TANK 15"IDA.</u>				
1.	Cleaning of collecting tank sump below ground level i/c dewatering of sullage water and disposal of garbage solid waste etc out site the tank etc complete.(PHSINO:1 P-33)	2360.00Sft	@Rs:11900/-	P%oCft	Rs:28,084/=
2.	Carriage of 100 Cft/5 tons of all material like stone aggregate spawl coal lime surkhi etc BG rails fastenings points and crossing bridge girders pipes sheets rails ms bars etc or 1000 Nos bricks 10"x5"x3" or 1000 Nos tiles 12"x6"x2" or 150 cft of timber or 100 mounds of fuel wood by trucks or any other means owned by the contractor(Cartage of M.S.INO:1 P-1)(2 miles)	2360.00Sft	@Rs:502/52	P%Cft	Rs:11,859/=
3.	Cement plaster(1:4)upto 20' ft height ¾" thick (GSINO:11( c )P-57	1326.0Sft	@Rs:3015/76	P%Sft	Rs:39,989/=
4.	Providing and fixing in portion cc foundation (1:3:6)MS ladder of ms angle iron 2"x2"x0"with ms bars ¾" dia approved 1'x0" apart painting three coats with antersive steel paint complete(PHSINO:3 P-42)	17.0Rft	@Rs:799/-	P.Rft	Rs:13,583/=
5.	Fabrication of heavy steel work with angles tees flat iron and sheet iron for making trusses girders tanks etc i/c cutting riveting handling assembling and fixing but excluding erection in position(PHSINO:2 P-96)	2.00 Cwt	@Rs:4928/49	P.Cwt	Rs:9857/=
6.	Erection and fitting in position of iron trases stage of water tank etc(GSINO:3 P-96)	2.00 Cwt	@Rs:271/04	P.Cwt	Rs:542/=
				Total	Rs:1,03,914/=

E. REPAIR OF STAFF QUARTER			
1.	Dismantling CC reinforcement separating reinforcement from concrete cleaning and straightening the same (GSINO:20P-10)	115.70Cft @Rs:5445/-	P%Cft Rs:6300/=
2.	R.C.C. work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all kinds forms moulds lifting shuttering ;curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) RCC work in roof slab beams columns rafts lintels and other structural member laid in situ or precast laid in position in all respect ratio(1:2:4)et (G.S.I.NO:5 P/19	147.26 Cft @Rs:337/-	P.Cft Rs:49,627/=
3.	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/c removal of rust from bars etc (G.S.I.NO:7 P/20)	5.91 Cwt @Rs:5001/70	P.Cwt Rs:29,560/=
4.	Making fixing steel grated door with 1/16" sheeting i/c angle frame 2"x2"x/8" and 3/4" panel(GSINO:27 P-98)	22.75Sft @Rs:726/72	P.Sft Rs:16,533/=
5.	Cement plaster(1:4)upto 20' ft height 3/8" thick (GSINO:11(b)P-57)	1300.62 Cft @Rs:2197/52	P%Sft Rs:28,581/=
6.	Cement plaster(1:4)upto 20' ft height 1/2" thick (GSINO:11)P-53)	1300.62Sft @Rs:2206/60	P%Sft Rs:28,699/=
7.	Providing and laying 2" thick topping cement concrete(1;2:4)i/c surface finishing and dividing into panels (PHSINO:16,P-41)	192.00Sft @Rs:3275/50	P%Sft Rs:6289/=
8.	White wash three coats(GSINO:26P-59)	192.00Sft @Rs:829/95	P%Sft Rs:1594/=
9.	White wash one coat(GSINO:26P-59)	1300.62Sft @Rs:416/63	P%Sft Rs:5410/=
10.	Colour wash two coats(GSINO:25P-55)	1300.62Sft @Rs:859/90	P%Sft Rs:11,184/=
11.	Painting New Surface.Preparing (Door and windows) Surface and painting of any type i/c edges two subsequent cost over primary coat three coats (GSINO:4 P-68)	105.50Sft @Rs:2116/41	P%Sft Rs:2233/=

12	Fabrication of heavy steel work with angles tees flat iron and sheet iron for making trusses girders tanks etc i/c cutting riveting handling assembling and fixing but excluding erection in position(PHSINO:2 P-96)	2.54 Cwt	@Rs:4928/49	P.Cwt	Rs:12,518/=
13	Erection and fitting in position of iron trases stage of water tank etc(GSINO:3 P-96)	2.54 Cwt	@Rs:271/04	P.Cwt	Rs:688/=
14.	S/F in position iron steel grill of 3/4x1/4' size flat iron steel of approved designing(GSINO:26 P-93)	30.00 Cwt	@Rs:180/50	P.Sft	Rs:5415/=
15.	Providing and laying 1-1/2" thick topping cement concrete(1;2:4)i/c surface finishing and dividing into panels (PHSINO:16,P-46)	350.62Sft	@Rs:2548/29	P%Sft	<u>Rs:8691/=</u>
				Total	Rs:2,13,575/=
F.	<u>REPAIR OF PUMP HOUSE(10X12)</u>				
1.	Dismantling CC reinforcement separating reinforcement from concrete cleaning and straightening the same (GSINO:20P-10)	78.95Cft	@Rs:5445/-	P%Cft	Rs:4299/=
2.	R.C.C. work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all kinds forms moulds lifting shuttering ;curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) RCC work in roof slab beams columns rafts lintels and other structural member laid in situ or precast laid in position in all respect ratio(1:2:4)et (G.S.I.NO:5 P/19)	100.49 Cft	@Rs:337/-	P.Cft	Rs:33,864/=
3.	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/c removal of rust from bars etc (G.S.I.NO:7 P/20)	4.04 Cwt	@Rs:5001/70	P.Cwt	Rs:20,206/=
4.	Making fixing steel grated door with 1/16" sheeting i/c angle frame 2"x2"x/8" and 3/4" panel(GSINO:27 P-98)	22.75 Sft	@Rs:726/72	P.Sft	Rs:16,533/=
5.	Cement plaster(1:4)upto 20' ft height 3/8" thick (GSINO:11( b)P-57)	942.00 Cft	@Rs:2197/52	P%Sft	Rs:20,701/=

6.	Cement plaster(1:4)upto 20' ft height 1/2" thick (GSINO:11)P-53	942.00Sft	@Rs:2283/93	P%Sft	Rs:20,786/=
7.	Providing and laying 2" thick topping cement concrete(1;2:4)i/c surface finishing and dividing into panels (PHSINO:16,P-41)	120.0Sft	@Rs:3275/50	P%Sft	Rs:3930/=
8.	White wash three coats(GSINO:26P-59)	204.00Sft	@Rs:829/95	P%Sft	Rs:1693/=
9.	White wash one coat(GSINO:26P-59)	942.00Sft	@Rs:416/63	P%Sft	Rs:3925/=
10	Colour wash two coats(GSINO:25P-55)	942.00Sft	@Rs:859/90	P%Sft	Rs:8100/=
11	Painting New Surface.Preparing (Door and windows) Surface and painting of any type i/c edges two subsequent cost over primary coat three coats (GSINO:4 P-68)	105.50Sft	@Rs:2116/41	P%Sft	Rs:2233/=
12	Fabrication of heavy steel work with angles tees flat iron and sheet iron for making trusses girders tanks etc i/c cutting riveting handling assembling and fixing but excluding erection in position(PHSINO:2 P-96)	2.54 Cwt	@Rs:4928/49	P.Cwt	Rs:12,518/=
	Erection and fitting in position of iron trases stage of water tank etc(GSINO:3 P-96)	2.54 Cwt	@Rs:271/04	P.Cwt	Rs:688/=
				Total	Rs:1,49,476/=
G	<u>REPAIR OF AC RISING MAIN 6"DIA.</u>				
1.	Excavation for pipe lines in trenches and pits in Soft Soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within one chain as directed by Engineer In charge providing fence guards light flags and wherever required lift upto 5ft and Lead upto one chain (P.H.S.I.NO:1 P/46)	5315.62Cft	@Rs:3600/-	P%oCft	Rs:19,136/=
2.	Providing laying jointing and testing AC pressure pipes B class and fixing intranches i/c cutting fitting and jointing with rubber rings i/c testing water to a head of 122 meter or 400 ft(PHSINO:D(I)P-20)	6"Dia 675 Rft	@Rs:397/19	P.Rft	Rs:2,68,171/=

3.	Supplying C.I.special for AC pressure pipe B class(Sandard weight of ACIL.(PHSINO:(M) P-12)			
i)	C.I.Bend 90o 6"Dia 1 No	@Rs:2212/50	Each	Rs:2213/=
ii)	C.I.Jibault Joint 6"Dia 16.00 Nos	@Rs:1062/50	Each	Rs:17,000/=
4.	Supplying AC Collars B class..(PHSINO:4P-5) 6"Dia 2 Nos	@Rs:194/-	Each	Rs:388/=
5.	One pair of rubber rings for AC pressure pipe B class (Comet joint)(PHSIMINO:7 P-6) 6"Dia 2 Pairs	@Rs:129/-	P.Pair	Rs:258/=
6.	Making joint to CI speiclas fitting making i/c laying)of the required dia meter and testing the joint allowed with AC pipe line to the specified pressure and making good to all leaky joint etc complete.(PHSINO:1 P-56) 2 Joints	@Rs:129/-	P.Joint	Rs:144/=
7.	Refilling the excavated stuff intranches 6"thick layers i/c watering ramming to full compaction etc complete.(PHSINO:24P-77) 4784.05Cft	@Rs:2760/-	P%oCft	Rs:13,204/=
8.	Jointing C.I./M.S.flanges pipes and specials flanged and inside atrench i/c supplying rubber packing of the required thickness nuts bolts with washers etc complete.(PHSINO:1P-35) 16 Joints	@Rs:938/-	P.Joint	Rs:15,008/=
9.	Manufacturing Supplying of M.S.pipe for Block steel pipe MS pipe madeout MS sheet of 4.8 mm thick from 3"x6" dia meter confirming to API 5L grade-X-42 spirally welded and externally asphalt coated internally apoxy contend (AWWA specification)i/c laying jointing with straight welding intranches i/c testing with water minimum specified pressure for different dia of pipe as below (PHSINO:1(i)P-40) 40.0Rft	@Rs:1207/40	P.Rft	Rs:48,296/=
			Total	Rs:3,83,818/=

J PROVIDING/INSTALLING PUMPING MACHINERY.

1. Supplying and installing in position i/c transportation to site of work at Khando electric pumping set consisting of A.C. electric motor of 10 BHP 3 phase 50 cycles 400/420 volts 1450 RPM type 65-215(3x2 1/2') size "mounted on common steel frame or base plate capable of discharging 365 gallons per minute against a head of 70 ft i/c installation of pumping set on c.c foundation ratio(1:24) with m.s nuts and bolts of 5/8" dia to be embeded in c.c foundation i/c providing and fixing on prepared board A.C.50 cycles 3 phase 12/25 ampers trip rating push button type star delta starter complete with no volts and over load release and required i/c providing and fixing on prepared board iron (clad)triple pole and neutral switch fuse with rewirable fuse link carried 500 volts grade 30 ampers and providing and fixing volts meter 0.500 volts and ampers meter 0-50 ampers installed on metalled board i/c providing and fixing metalled board to accomadate main or sub main control switch recessed in the wall size 3'x2 1/2' i/c providing phase indication bulbs with holder and providing internal electric wiring for main with 3-7/0.83(7/0.036) pvc insulated wire 660 volts grade in 25 mm(1")G.I.plate burried in the ground at depth 3.7 m (12ft )for base plate and testing of the pumping set against the required head for 72 hour etc complete.
 

1 No	@Rs:728670/-	Each	Rs:7,28,670/=
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2. Manufacturing Supplying MS pipe made out of MS sheet of 3/16" thick cutting bending folding to correct curvature and shape i/c welding etc complete (R.A)
 

(i) 4Dia			
32.0 Rft	@Rs:506/60	P.Rft	Rs:16,211/=
(ii) 3"Dia			
84.0Rft	@Rs:385/89	P.Rft	Rs:32,415/=
  
3. Rewinding of electric motor 10 BHP 3 phase 400/440 volt 50 cycles with best quality insolated copper wire of required Guage i/c testing on load with satisfactory result upto one weeks Time opening and refitting and replacing the bolts of necessary Excluding the cost of work out material (GSINO:97 ( c )P-111)
 

1 No	@Rs:10599/-	Each	Rs:10,599/=
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4. Repair of on clogging sullage pump 3x2 1/2" etc complete.(R.A)
 

1 No	@Rs:10000/-	Each	Rs:10,000/=
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5. Manufacturing supplying M.S.flanges of 3/16" Dia made out 3/8 of flange cutting bending folding to correct curvature and shape i/c welding etc complete(R.A.Approved)
 

i) 6"Dia			
8 Nos	@Rs:596/75	Each	Rs:5968/=

ii)	4" Dia 12 Nos	@Rs:502/89	Each	Rs:6011/=
6.	C.I.Short Piece(SMINO:9 P-15) 1 No	@Rs:518/75	Each	Rs:619/=
7.	Supplying C.I.bend with flanged ends with holes i/c turning and facing of flanges for all size.(PHSMINO:8 P-14) 0.63Cwt	@Rs:6096/-	P.Cwt	Rs:3840/=
8	Supplying C.I.tapper 2 1/2 x 3 flat bottomed or central tapered flanged ends with holes i/c turning and facing turning flanges for all size. (PHSMINO:9 P-14) 0.20Cwt	@Rs:6096/-	P.Cwt	Rs:1219/=
9	C.I.Tee flanged ends with holes i/c turning and facing of flanges. (PHSMINO:12 P-14) 0.20Cwt	@Rs:6096/-	P.Cwt	Rs:1341/=
10	Supplying C.I.Reflex valve heavy pattern(test pressure 21 Kg sq cm or 300 lbs sq inch) complete(SMI NO:6 P-11) 6" Dia 2 Nos	@Rs:1543/75	Each	Rs:3088/=
11	Supplying and fixing C.I.foot valve heavy pattern test pressure (SMINO:5 P-11) 4 Nos	@Rs:731/25	Each	Rs:1463/=
12	Supplying C.I.slucice valve heavy pattern(test pressure 21 Kg sq cm or 300 lbs sq inch) complete(PHESINO:2 P-10) 6" Dia 2 Nos	@Rs:4290/-	Each	Rs:8580/=
13	Jointing C.I./M.S.flanges pipe and specials flanged and inside in trench i/c supplying rubber packing of the required thickness nuts bolts with washers etc complete.(PHSINO:1 P-35)			
i)	4" Dia 12 Joint	@Rs:499/-	P.Joint	Rs:5985/=
ii)	6" Dia 8 Joint	@Rs:513/-	P.Joint	Rs:4104/=
			Total	Rs:8,40,116/=
K	<u>REPAIR OF TRANSFORMER AND SERVICE WIRE.</u>			
1.	Taking out 25 kv transformer and repair of 3 Nos coils i/c changing of oil from disposal works for necessary repair at Hyderabad and repairing at same place(Rate approved) (R.A approved by C.E. PHE vide his No:573 dt:26/2/2011 1 No	@Rs:66800/-	Each	Rs:66,800/=
			Total	Rs:66,800/=

ABSTRACT.

A.	CONSTITUTION OF SURFACE DRAINS(R/NEW)	RS:24,23,471/=
B.	REPAIR OF COMPOUND WALL	RS: 4,24,408/=
C.	REPAIR OF CC BLOCK	RS: 4,39,193/=
D.	REPAIR OF COLLECTING TANK	RS: 1,03,914/=
E.	REPAIR OF STAFF QUARTER	RS: 2,13,575/=
F.	REPAIR OF PUMP HOUSE	RS:1,49,476/=
I.	REPAIR OF RISING MAIN 6"DIA	RS:3,83,818/=
G.	P/F PUMPING MACHINERY(M&E)	RS:8,40,116/=
K.	R/ OF TRANSFORMER & SERVICE WIRE	<u>RS: 66,800/=</u>
	TOTAL	RS:50,44,771/=

CONDITION

1. The rate should be inclusive of all the taxes i.e. sales tax. Octroi, Royalties etc if any.
2. No separate carriage will be allowed to the finance/Contractors.
3. No premium will be allowed on non schedule item.
4. Sweet water will be used in construction work.
5. The testing of the work will be arranged by the Firms/Contractors at his cost no separate payment will be made.
6. Any error or omission in the specification item will be governed by the relevant specification and schedule of rate.
7. The decision of the Project Director Shall be final and binding on all the parties in any dispute.

Contractor.

EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG: DIVISION  
MATIARI.



**REHABILITATION OPERATION AND MAINTENANCE FOR RURAL  
DRAINAGE SCHEME KHANDO TALUKA HALA DISTRICT MATIARI**

**ABSTRACT OF COST**

(A)	ESTABLISHMENT	Rs: - 336,000/-
(B)	ELECTRICAL / MECHANICAL	Rs: - 474,000/-
(C)	ANNUAL MAINTENANCE	Rs: - 200,000/-

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**Total Rs: - 1,010,000/-**

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**ASSISTANT ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
HALA**

**EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
MATIARI**

**REHABILITATION OPERATION AND MAINTENANCE FOR RURAL  
DRAINAGE SCHEME KHANDO TALUKA HALA DISTRICT MATIARI**

**(A) ESTABLISHMENT**

(i) Pump Operator 1 No: (3240 -140-7440)

1 x 12 =12 Months @Rs: - 7,000/- P/Month Rs: - 84,000/-

(ii) Helper / Chowkidar 1 No: (2970-90-5670)

1 x 12 =12 Months @Rs: - 7,000/- P/Month Rs: - 84,000/-

(iii) Sweeper 1 No: (2970-90-5670)

2 x 12 = 24 Months @Rs: - 7,000/- P/Month Rs: - 168,000/-

**Total;** Rs: - 336,000/-

**(B) ELECTRICAL & MECHANICAL CHARGES**

i) Electricity consumption

1 x 8 x 10x 0.75 x 365 = 21900.00 Units  
Total = 21900.00 Units

21900.00 Units @Rs: - 20/- P/Unit Rs: - 438,000/-

Oil Lubrication cotton waste.

1 x 12 = 12 Months @Rs: - 3,000/- P/Month Rs: - 36,000/-

**Total** Rs: - 474,000/-

**(C) ANNUAL REPAIR CHARGES**

Minor repair civil electric & Mechanical works etc:

Rs: - 200,000/-

**Total;** Rs: - 200,000/-

**Grand Total** Rs: -1,010,000/-

ASSISTANT ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
HALA

EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
MATIARI

SCHEDULE 'B'

NAME OF WORK :- REHABILITATION OF RURAL DRG: SCHEME OLD SAEEDABAD  
TALUKA SAEEDABAD DISTRICT MATIARI.....

S #	DESCRIPTION.	QTY	RATE	UNIT	AMOUNT.
<u>CONSTT: OF SURFACE DRAINS(REPAIR/NEW)</u>					
1.	Earth work excavation in ashes sand soft soil or silt clearance undressed lead upto 50ft(GSINO: 2 P-1 ).	6970.00Cft	@Rs:1663/75	P%o Cft	Rs:11,596/=
2.	Dismantling brick work in lime or cement mortar (GSINO:13 P-11)	2109.37 Cft	@Rs:1285/63	P%Cft	Rs:27,119/=
3.	Dismantling CC reinforcement separating reinforcement from concrete cleaning and straightening the same (GSINO:20P-10)	47.52 Cft	@Rs:5445/-	P%Cft	Rs:2587/=
4.	Dismantling CC plainh ratio (1:2:4) (GSINO:19 (c) P-11)	287.93Cft	@Rs:3327/50	P%Cft	Rs:9581/=
5.	Extra for every 50ft additional or part thereof (a)For earth work soft ordinary hard and very hard(GSINO:8(a) P-2)	9414.82 Cft	@Rs:4243/76	P%oCft	Rs:39,851/=
6.	Excavation in foundation of building bridges and other structure i/c dag belling dressing refilling around the structure with excavated earth watering ramming lift upto 5ft and lead upto one chain (In ordinary soil) etc (G.S.I.NO:18 P-4)	8058.00Sft	@Rs:3176/25	P%oCft	Rs:25,594/=
7.	Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering ratio (1:4:8) (G.S.I.NO: 5(f) P/77)	1827.00Cft	@Rs:11288/75	P%Cft	Rs:2,06,245/=
8.	Pucca brick work in foundation and plinth in cement sand mortor (1:6)(GSINO:4P-22)	8565.0 Cft	@Rs:11948/36	P%Cft	Rs:10,23,377/=
9.	Construction of standard open drains connute block of C.C.( 1:2:4 situ to the design profiles i/c cost of modules as per drawing i/c supplying floating cost of cement 1/3"thick to the exposed surface finished smooth curing etc complete as per detailed drawing				
i)	T-A 2400Rft	@Rs:94/-		P.Rft	Rs:2,25,600/=
ii)	T-B 500.0Rft	@Rs:174/-		P.Rft	Rs:87,000/=
10	Cement plaster(1:4)upto 20' ft height 1/2" thick (GSINO:11(c)P-57)	17486.0Sft	@Rs:2283/93	P%Sft	Rs:3,99,368/=

11	R.C.C. work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all kinds forms moulds lifting shuttering ;curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) RCC work in roof slab beams columns rafts lintels and other structural member laid in situ or precast laid in position in all respect ratio(1:2:4)et (G.S.I.NO:5 P/19	311.0 Cft	@Rs:337/-	P.Cft	Rs:1,04,807/=
12	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/c removal of rust from bars etc (G.S.I.NO:7 P/20)	11.10Cwt	@Rs:5001/70	P.Cwt	Rs:55,519/=
				Total	Rs:22,18,244/=
B	<u>R/ OF COMPOUND WALL COLLG: TANK SCR/CHAMB:</u>				
1	Pucca brick work in other then building i/c striking of joints upto 20 ft(GSINO:7P-22)	435.37 Cft	@Rs:12346/65	P%Cft	Rs:53,754/=
2.	Cement plaster(1:4)upto 20' ft height 1/2" thick (GSINO:11(B) P-52)	2190.00Sft	@Rs:2283/93	P%Sft	Rs:50,018/=
3.	Distempering three coats(GSINO:24,P-59)	2190.00Sft	@Rs:1079/65	P%Sft	Rs:23,644/=
4.	Painting New Surface. Preparing Surface and painting of door and windows any type i/c edges three coats (GSINO:4 (c) P-68)	144.0Sft	@Rs:1662/21	P%Sft	Rs:2394/=
C	<u>COLLECTING TANK SCREENING CHAMBER.</u>				
1.	Cleaning of collecting tank sump below ground level i/c dewatering of sullage water and disposal of garbage solid waste etc out site the tank etc complete.(PHSINO:1 P-33)	883.12 Cft	@Rs:11900/-	P%oCft	Rs:10,509/=
2.	Cement plaster(1:4)upto 20' ft height 1/2" thick (GSINO:11 P-52)	862.50Sft	@Rs:2283/93	P%Sft	Rs:19,699/=
				Total	Rs:1,60,018/=
C	<u>C.C.BLOCK.</u>				
1.	Barrow pit excavation undressed lead upto 100 ft ordinary soil (GSINO:3 P-1)	5062.0Cft	@Rs:2117/50	P%oCft	Rs:10,719/=
2.	Earth compaction (Soft ordinary soil)(b)Laying earth in 6"layers leveling dressing watering compaction etc compt:(GSINO:13 P-3)	13120.00Cft	@Rs:354/-	P%oCft	Rs:4644/=
3.	Erection and removal of centering for R.C.C.plain c.c.works deodar wood (2 <sup>nd</sup> class) vertical (G.S.I.NO:18 P/20)	628.00 Cft	@Rs:3127/41	P%Sft	Rs:19,640/=

4.	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio (1:4:8)(GSINO:4 P-7)	4329.60 Cft	@Rs:9416/28	P%Sft	Rs:4,07,687/=
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(f) P/77)	3280.00 Cft	@Rs:14429/25	P%Cft	Rs:4,73,279/=
6.	Extra for every 50ft additional or part thereof (a)For earth work soft ordinary hard and very hard(GSINO:8(a) P-2)	5062.0 Cft	@Rs:4232/76	P%oCft	Rs:21,426/=
				Total	Rs:9,37,395/=
D	<u>REPAIR OF STAFF QUARTER</u>				
1.	Dismantling CC reinforcement separating reinforcement from concrete cleaning and straightening the same (GSINO:20P-10)	115.70Cft	@Rs:5445/-	P%Cft	Rs:6300/=
2.	R.C.C. work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all kinds forms moulds lifting shuttering ;curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) RCC work in roof slab beams columns rafts lintels and other structural member laid in situ or precast laid in position in all respect ratio(1:2:4)et (G.S.I.NO:5 P/19)	147.26 Cft	@Rs:337/-	P.Cft	Rs:49,627/=
3.	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also i/c removal of rust from bars etc (G.S.I.NO:7 P/20)	5.91 Cwt	@Rs:5001/70	P.Cwt	Rs:29,560/=
4.	Making fixing stree grated door with 1/16" sheeting i/c angle frame 2"x2"x/8" and 3/4" panel square bars 4" center to centre with locking arrangement.(GSINO:27 P-98)	22.75 Sft	@Rs:726/72	P.Sft	Rs:16,533/=
5.	Cement plaster(1:4)upto 12' ft height 3/8" thick (GSINO:11( b )P-52)	1300.62 Cft	@Rs:2197/52	P%Sft	Rs:28,581/=
6.	Cement plaster(1:4)upto 12' ft height 1/2" thick (GSINO:13 P-52)	1300.00 Cft	@Rs:2206/60	P%Sft	Rs:28,699/=
7	Providing and laying 2" thick topping cement concrete(1;2:4)i/c surface finishing and dividing into panels (PHSINO:16,P-41)				
i)	2"Thick	192.00Sft	@Rs:3275/50	P%Sft	Rs:6289/=
ii)	1 1/2"thick	350.62Sft	@Rs:2548/29	P%Sft	Rs:8935/=
8.	White wash three coats(GSINO:26P-59)	192.00Sft	@Rs:829/95	P%Sft	Rs:1594/=

9.	White wash one coat(GSINO:26P-59)			
	1300.62Sft	@Rs:416/63	P%Sft	Rs:5419/=
10	Distempering two coats.(GSINO:25P-54)			
	1300.62Sft	@Rs:859/90	P%Sft	Rs:11,184/=
11	Painting New Surface.Preparing (Door and windows) Surface and painting of any type i/c edges coats (GSINO:5 P-70)			
	105.50Sft	@Rs:2116/41	P%Sft	Rs:2233/=
12	Fabrication of heavy steel work with angles tees flat iron and sheet iron for making trusses girders tank etc i/c cutting riveting handling assembling and fixing excluding erection in position (G.S.I.NO:2 P/91)			
	2.54Sft	@Rs:4928/49	P%Sft	Rs:12,518/=
13	Erection and fitting of iron trusses staging of water tank etc(GSINO:3 P-91)			
	2.54 Cwt	@Rs:271/04	P.Cwt	Rs:688/=
			Total	Rs:2,08,160/=

E. REPAIR OF RISING MAIN 6" DIA.

1	Excavation for pipe lines in trenches and pits in Soft Soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within one chain as directed by Engineer In charge providing fence guards light flags and wherever required lift upto 5ft and Lead upto one chain (P.H.S.I.NO:1 P/46)			
	1418.00Cft	@Rs:3600/-	P%oCft	Rs:5105/=
2.	Providing laying jointing and testing AC pressure pipes B class and fixing intranches i/c cutting fitting and jointing with rubber rings i/c testing water to a head of 122 meter or 400 ft(PHSINO:D(T)P-20)			
	180.0 Rft	@Rs:397/29	P.Rft	Rs:71,512/=
3.	Supplying C.I.special for AC pressure pipe B class(Sandard weight of ACIL.(PHSINO:(M) P-12)			
	2 Nos	@Rs:2212/50	Each	Rs:4425/=
ii)	C.I.Jibault Joint			
	4 Each	@Rs:1062/50	Each	Rs:4250/=
4.	Supplying AC Collars B class..(PHSINO:4P-5)			
	2 Nos	@Rs:194/-	Each	Rs:388/=
5.	One pair of rubber rings for AC pressure pipe B class (Comet joint)(PHSIMINO:7 P-6)			
	2 Pairs	@Rs:129/-	P.Pair	Rs:258/=

6.	Making joint to CI specials fitting along i/c laying)of the required dia meter and testing the joint allowed with AC pipe line to the specified pressure and making good to all leaky joint etc complete.(PHSINO:1 P-80)			
	2 Joints	@Rs:72/-	P.Joint	Rs:144/=
7.	Refilling the excavated stuff intranches 6"thick layers i/c watering ramming to full compaction etc complete.(PHSINO:24P-77)			
	1276.20Cft	@Rs:2760/-	P%oCft	<u>Rs:3522/=</u>
			Total	Rs:89,604/=
F	<u>REPAIR OF PUMPING MACHINERY.</u>			
1.	Rewinding of electric motor 10 BHP 3 phase 400/440 volt 50 cycles with best quality insolated copper wire of required Guage i/c testing on load with satisfactory result upto one weeks Time opening and refitting and replacing the bolts of necessary Excluding the cost of work out material (GSINO:97 (c)P-111)			
	1 No	@Rs:10599/-	Each	Rs:10,599/
2.	Repair of non clogging sullage pump NICE 75 size 2 1/2"x3" etc complete(R.A.Approved)			
	2 Nos	@Rs:10000/-	Each	Rs:20,000/
3.	Providing MCU/SD-10 BHP consists of braker magnetic contractor over load			
	1 No	@Rs:48750/-	Each	Rs:48,750/
4	Supplying and fixing C.I.foot valve heavy pattern test pressure(SMINO:4P-11)			
	2 Nos	@Rs:893/75	Each	Rs:1788/=
5.	Supplying C.I.Reflex valve heavy pattern test pressure kg/sq cm or 300 lbs(imported) (PHSINO:6 P-10)			
	2 Nos	@Rs:1706/25	Each	Rs:3413/=
6	Wiring for main with 2-7/1.70(7/0.64)PVC insulated wire in 30 mm (1.1/4)PVC conduit(ESINO:10 P-4)			
	185.0Rft	@Rs:44/81	P.Rft	Rs:8290/=
7.	Jointing C.I./M.S.flanges pipe and specials flanged and inside in trench i/c supplying rubber packing of the required thickness nuts bolts with washers etc complete.(PHSINO:1 P-35)			
	4 Joints	@Rs:513/-	P.Joint	<u>Rs:2052/=</u>
			Total	Rs:94,892/=
I	<u>REPAIR OF TRANSFORMER</u>			
1.	Repair of transformer i/c rewinding of 3 Nos coils of transformer and replacing the old transformer coil by new i/c cartage from site to work shop and reinstalled at site the cost of burnet wire etc complete(MR)(Rate approved)in Jhando Khoso No:3516 Dt:26-12-2008.			
	1 Job	@Rs:68500/-	P.Job	<u>Rs:66,800/=</u>
			Total	Rs:66,800/=

## ABSTRACT.

A.	CONSTITUTION OF S/ DRAINS(REPAIR/NEW)	RS:22,18,244/=
B.	REPAIR OF COMPOUND WALL,COLLECT: TANK & SCREENING CHAMBER	RS: 1,60,018/=
C.	CONSTRUCTION OF CC BLOCK	RS: 9,37,395/=
D.	REPAIR OF STAFF QUARTER(HT TYPE)	RS: 2,08,160/=
E.	RISING MAIN (REPAIR/REPLACEMENT	RS: 89,604/=
F.	PUMPING MACHINERY (REPAIR)	RS: 94,892/=
I.	TRANSFORMER (REPAIR)	<u>RS: 66,800/=</u>
	TOTAL	RS:37,75,113/=

### CONDITION

1. The rate should be inclusive of all the taxes i.e. sales tax. Octroi, Royalties etc if any.
2. No separate carriage will be allowed to the finance/Contractors.
3. No premium will be allowed on non schedule item.
4. Sweet water will be used in construction work.
5. The testing of the work will be arranged by the Firms/Contractors at his cost no separate payment will be made.
6. Any error or omission in the specification item will be governed by the relevant specification and schedule of rate.
7. The decision of the Project Director Shall be final and binding on all the parties in any dispute.

Contractor.

EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG: DIVISION  
MATIARI.



**REHABILITATION OPERATION AND MAINTENANCE FOR RURAL  
DRAINAGE SCHEME OLD SAEEDABAD TALUKA SAEEDABAD  
DISTRICT MATIARI**

**ABSTRACT OF COST**

(A)	ESTABLISHMENT	Rs: - 504,000/-
(B)	ELECTRICAL / MECHANICAL	Rs: - 510,000/-
(C)	ANNUAL MAINTENANCE	Rs: - 143,535/-

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**Total Rs: - 1,157,535/-**

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**ASSISTANT ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
HALA**

**EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
MATIARI**

**REHABILITATION OPERATION AND MAINTENANCE FOR RURAL DRAINAGE  
SCHEME OLD SAEEDABAD TALUKA SAEEDABAD DISTRICT MATIARI**

**(A) ESTABLISHMENT**

(i) Pump Operator 1 No: (3240 -140-7440)

1 x 12 =12 Months @Rs: - 7,000/- P/Month Rs: - 84,000/-

(ii) Helper / Chowkidar 1 No: (2970-90-5670)

1 x 12 =12 Months @Rs: - 7,000/- P/Month Rs: - 84,000/-

(lii) Sweeper 1 No: (2970-90-5670)

4 x 12 = 48 Months @Rs: - 7,000/- P/Month Rs: - 336,000/-

**Total;** Rs: - 504,000/-

**(B) ELECTRICAL & MECHANICAL CHARGES**

i) **Electricity consumption**

1 x 8 x 10x 0.75 x 365 = 21900.00 Units

Total = 21900.00 Units

21900.00 Units @Rs: - 20/- P/Unit Rs: - 438,000/-

Oil Lubrication cotton waste.

2 x 12 = 24 Months @Rs: - 3,000/- P/Month Rs: - 72,000/-

**Total** Rs: - 510,000/-

**(C) ANNUAL REPAIR CHARGES**

Minor repair civil electric & Mechanical works etc: Rs: - 112,015/-

**Total;** Rs: - 112,015/-

**(D) REPAIR OF CIVIL STRUCTURE**

3152000 X 1% Rs: - 31,250/-

**Total** Rs: - 31,250/-

**Grand Total** Rs: -1,157,535/-

ASSISTANT ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
HALA

EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:SUB-DIVISION  
MATIARI