NAME OF WORK: - **Rehabilitation of Rural Drainage Scheme Ghareebabad Mohalla & Memon Mohalla at Hingorja**

Name of Contractor: - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Whom tender issued: - GOVERNMENT CONTRACTOR

Tender fee received : - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

D.R No : - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Dated : - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **EXECUTIVE ENGINEER**  PUBLIC HEALTH ENGINEERING  DIVISION-II KHAIRPUR @ RANIPUR |

MEMORANDUM

General Description As Above

Estimated Cost Rs. 18500000/-

Earnest Money @ 2% Rs. 370000/-

Security Deposit @10% Rs. 1850000/-

Percentage if any to be Rs. 1480000/-

Deduction from bill 8%

Date of written order to complete **12 Months**

I/We here by tendered for execution of above work at percentage rate \_\_\_\_\_\_\_\_\_ below/above on schedule rate in the schedule B in accordance with section designed drawing etc and shall executed the agreement on the proper from in case may tender in accepted.

Earnest shape of call deposit vide no\_\_\_\_\_\_\_\_\_\_\_\_\_ dated \_\_\_\_\_\_\_\_\_\_\_ for Rs\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contractor

**EXECUTIVE ENGINEER**

PUBLIC HEALTH ENGINEERING

DIVISION-II KHAIRPUR @ RANIPUR

Bid Reference No:- **Rehabilitation of Rural Drainage Scheme Ghareebabad Mohalla & Memon Mohalla at Hingorja**

To,

The Executive Engineer,

Public Health Engg. Division-I

Khairpur.

**GENTLEMAN.**

1. Having examined the Bidding Documents instructions to bidders, bidding datea conditions of Contract, Contract Data, specification, Drawings, if any, Schedule of prices and agenda Nos: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for the execution of the above named works, we the undersigned being a company doing business under the name of and address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and being duly incorporated under the laws of Pakistan hereby offer to execute, and complete such work and remedy any defects therein in conformity with the said Documents including agenda there to for the Total Bid Price of Rs.\_\_\_\_\_\_\_\_\_\_\_ (Rupees \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) of such other sum as my be ascertained in accordance with said Documents.
2. We understand that all the schedules attached here to form part of this Bid.
3. As security for due performance of the undertaking and obligations of this Bid, we submit herewith a bid security in the shape of call deposit No. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ dated: \_\_\_\_\_\_\_\_\_\_\_ Bank \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the amount of Rs. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ drawn in your favour or made payable to your and valid for a period of twenty eight (242) days beyond the period of validity of Bid.
4. We undertake, if our Bid is accepted to commence the work and to deliver and complete the work comprised in the contract within the time9s) stated in contract data.
5. We agreed to abide by this Bid for the period of **12 Months** from the date fixed for receiving the same and it shall remain binding upon and may be acceptable at any time before the expiration of that period.
6. Unless and until a formal agreement is prepared and executed this bid together with your written acceptance thereof, shall constitute a binding contract between us.
7. We undertake if our Bid is accepted to execute the performance security referred to in conditions of contract for the due performance of the contract.

**Contd: P/2**

1. We understand that you are not bound to accept the lowest or any bid your may receive.
2. We do hereby declare that the Bid is made without any collusion comparison of figures or arrangement with any other person or persons making a bid for the works.

Date this \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Day of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2017.

Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

In the capacity of \_\_\_\_\_\_\_\_\_\_\_\_\_ duly authorized to sign bid for and on behalf of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

(Name of Bidder in Block Capitals).

**(S E A L)**

Address:

WITNESS:

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

Name :-

Address :-

EXECUTIVE ENGINEER

PUBLIC HEALTH ENGG. DIVISION-I

KHAIRPUR

**BIDDING DATA**

(This section should be filled in by the Executive Engineer Public Health Engineering Division-II Khairpur @ Ranipur before issuance of the Bidding Documents).

|  |  |
| --- | --- |
| **a)** Name of Procuring Agency | **Executive Engineer Public Health Engineering Division-II Khairpur @ Ranipur** |
| **b)** Brief Description of Work | **Rehabilitation of Rural Drainage Scheme Ghareebabad Mohalla & Memon Mohalla at Hingorja.** |
| **c)** Procuring Agency’s address | **Office of the Executive Engineer Public Health Engineering Division-II Khairpur @ Ranipur** |
| **d)** Estimated Cost | **Million: 18.000** |
| **e)** Amount of Bid Security | **2%** |
| **f)** Period of Bid Validity (Days) | **60 Days** |
| **g)** Security Deposit (Including Bid Security) | **10%** |
| **h)** Percentage if any, to be deducted from bills (Income . Tax + Security Deposit | **Income Tax Rs: 7.5%**  **Security Deposit Rs: 10%** |
| **i)** Deadline for submission of Bids along with time. |  |
| **j)** Venue, Time and Date of Bid opening | **Office of the Executive Engineer Public Health Engineering Division-II Khairpur @ Ranipur** |
| **k)** Time for completion from written order of commence. | **12 Months** |
| **l)** Liquidity Damages | **0.5%** |
| **m)** Deposit Receipt \_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Amount \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| **n)** D.R No:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date and Amount \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Rs: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| **o)** Tender issued to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| ***EXECUTIVE ENGINEER***  PUBLIC HEALTH ENGINEERING  DIV-II KHAIRPUR @ RANIPUR |

**(Authority Issuing Bidding Documents)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **SCHEDULE B** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  | |
|  |  | |  |  | |  | | |  |  | |  | |  | |  | |  | |  | | | | |  |  | | | |  | | | |  | |  | |
|  | **NAME OF SCHEME** | | | | | | | |  | **REHUBILATION OF DRAINAGE SCHEME GARIABABAD MOHALLA & MEMON MOHALLA HINGORJA** | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |
|  |  | |  |  | |  | | |  |  | |  | |  | |  | |  | |  | | | | |  |  | | | |  | | | |  | |  | |
|  |  | | **PART - I (A) SURFACE DRAINS** | | | | | | | | | | | | |  | |  | |  | | | | |  |  | | | |  | | | |  | |  | |
| **1** | Excavation in foundation of building bridges and other structures | | | | | | | | | | | | | | | | | | |  | | | | |  |  | | | |  | | | |  | |  | |
|  | i/c dag belling dressing refilling around the structures with excavated | | | | | | | | | | | | | | | | | | | | | | | |  |  | | | |  | | | |  | |  | |
|  | Earth watering ramming up to 5ft (b) in ordinary soil (G.S.I-18/ P/4) | | | | | | | | | | | | | | | | | | | | | | | |  |  | | | |  | | | |  | |  | |
|  |  | |  |  | |  | | |  |  | |  | |  | |  | |  | |  | | | | |  |  | | | |  | | | |  | |  | |
|  | Type - A | | 1 | x | | 1000.00 | | | x | 2.42 | | x | | |  | | --- | | 1.00 | | | = | | 2420.00 | | Cft | | | | |  |  | | | |  | | | |  | |  | |
|  | **2120.00** | | **cft** |  | |  | | |  | **@Rs** | | **3176.25** | | | |  | |  | | **P%0Cft** | | | | |  | **Rs:** | | | | **6734** | | | |  | |  | |
|  |  | |  |  | |  | | |  |  | |  | |  | |  | |  | |  | | | | |  |  | | | |  | | | |  | |  | |
| **2** | Cement concrete plain i/c placing compacting finishing | | | | | | | | | | | | | | | | | | |  | | | | |  |  | | | |  | | | |  | |  | |
|  | and curing complete i/c screening and washing of stone | | | | | | | | | | | | | | | | | | |  | | | | |  |  | | | |  | | | |  | |  | |
|  | aggregate without shuttering Ratio 1:4:8 (G.S.I-5 P/17) | | | | | | | | | | | | | | | | | | |  | | | | |  |  | | | |  | | | |  | |  | |
|  |  | |  |  | |  | | |  |  | |  | |  | |  | |  | |  | | | | |  |  | | | |  | | | |  | |  | |
|  | **1055.00** | |  | **Cft** | |  | | |  | **@Rs** | | **11288.75** | | | |  | |  | | **P%Cft** | | | | |  | **Rs:** | | | | **119096** | | | |  | |  | |
|  |  | |  |  | |  | | |  |  | |  | |  | |  | |  | |  | | | | |  |  | | | |  | | | |  | |  | |
| **3** | Construction of standard open type drains connuttee block of C.C 1:2:4 cost of situ to the design profiles i/c cost of mould as per drawing i/c supplying floating cost of cement 1/32” thick to expose surface faces finished smooth curing complete as per drawing design. (P.H.S.I No D, P/ 44) | | | | | | | | | | | | | | | | | | | | | | | |  |  | | | |  | | | |  | |  | |
|  | **Type A** | | **1000.0** | | | **Rft** | | |  | **@Rs** | | **94.00** | | | |  | |  | | **P-Rft** | | | | |  | **Rs:** | | | | **94000** | | | |  | |  | |
|  | **Type B** | | **600.0** | | | **Rft** | | |  | **@Rs** | | **174.00** | | | |  | |  | | **P-Rft** | | | | |  | **Rs:** | | | | **104400** | | | |  | |  | |
|  |  | |  |  | |  | | |  |  | |  | |  | |  | |  | |  | | | | |  |  | | | |  | | | |  | |  | |
| **4** | Pacca brick work in foundation and plinth in cement sand mortar(1:6) | | | | | | | | | | | | | | | | | | | | | | | |  |  | | | |  | | | |  | |  | |
|  | (G.S.I No. 4 P/ 24) | | | | | | | |  |  | |  | |  | |  | |  | |  | | | | |  |  | | | |  | | | |  | |  | |
|  | **2850.00** | | **cft** | | |  | | |  | **@Rs** | | **11948.36** | | | |  | |  | | **P%Cft** | | | | |  | **Rs:** | | | | **340528** | | | |  | |  | |
|  |  | |  |  | |  | | |  |  | |  | |  | |  | |  | |  | | | | |  |  | | | |  | | | |  | |  | |
| **5** | Cement plaster (1:4) up to 20’height ½”thick (G.S.I-11/ P/57) | | | | | | | | | | | | | | | | | | |  | | | | |  |  | | | |  | | | |  | |  | |
|  | **4300.00** | | **Sft** |  | |  | | |  | **@Rs** | | **2283.93** | | | |  | |  | | **P%Sft** | | | | |  | **Rs:** | | | | **98209** | | | |  | |  | |
|  |  | |  |  | |  | | |  |  | |  | |  | |  | |  | |  | | | | |  |  | | | |  | | | |  | |  | |
| **6** | R.C.C work i/c all labour and material except the cost of steel | | | | | | | | | | | | | | | | | | |  | | | | |  |  | | | |  | | | |  | |  | |
| reinforcement and its labour for bending and binding which will | | | | | | | | | | | | | | | | | | |  | | | | |  |  | | | |  | | | |  | |  | |
| be paid separately. This rate also includes all kinds of forms moulds | | | | | | | | | | | | | | | | | | | | | | | |  |  | | | |  | | | |  | |  | |
| lifting shuttering curing rendering and finishing the exposed surface | | | | | | | | | | | | | | | | | | | | | | | |  |  | | | |  | | | |  | |  | |
| i/c screening and washing of shingle (a) R.C work in roof slab members | | | | | | | | | | | | | | | | | | | | | | | |  |  | | | |  | | | |  | |  | |
| laid in situ or prrecast laid in position complete in a respect. (i) | | | | | | | | | | | | | | | | | | |  | | | | |  |  | | | |  | | | |  | |  | |
| Ratio 1;2;4 90 lbs cement 2 cft sand 4 cft shingle 1/8” to ¼” gauge. | | | | | | | | | | | | | | | | | | | | | | | |  |  | | | |  | | | |  | |  | |
| (G.S.I-6 P/17) | | | | |  | | |  |  | |  | |  | |  | |  | |  | | | | |  |  | | | |  | | | |  | |  | |
|  |  | |  |  | |  | | |  |  | |  | |  | |  | |  | |  | | | | |  |  | | | |  | | | |  | |  | |
|  | **300.00** | |  | **Cft** | |  | | |  | **@Rs** | | **337** | | | |  | |  | | **P-Cft** | | | | |  | **Rs:** | | | | **101100** | | | |  | |  | |
| **7** | Fabrication of mild steel reinforcement for cement concrete i/c | | | | | | | | | | | | | | | | | | |  | | | | |  |  | | | |  | | | |  | |  | |
| cutting bending laying in position making joints and fastening i/c | | | | | | | | | | | | | | | | | | |  | | | | |  |  | | | |  | | | |  | |  | |
| cost of binding wire also includes removal of rust from bars. | | | | | | | | | | | | | | | | | | |  | | | | |  |  | | | |  | | | |  | |  | |
| |  | | --- | | (G.S.I-7 (ii) (a) P/19) | | |  |  | |  | | |  |  | |  | |  | |  | |  | |  | | | | |  |  | | | |  | | | |  | |  | |
|  | **10.71** | | **Cwt** | | |  | | |  | **@Rs** | | **5001.70** | | | |  | |  | | **P-Cwt** | | | | |  | **Rs:** | | | | **53590** | | | |  | |  | |
|  |  | |  |  | |  | | |  |  | |  | |  | |  | |  | | **Total:** | | | | |  | |  | | --- | | **Rs:** | | | | | **917657** | | | |  | |  | |
|  | | | **CC BLOCKS** | | |  | |  |  | | |  | |  | |  | |  | |  | | |  |  | | | | | | | |  | | | |  | | | |  | |  |
| 1 | | | Barrow pit excavation undressed lead upto 100ft ordinary soil | | | | | | | | | | | | | | | | | | | |  |  | | | | | | | |  | | | |  | | | |  | |  |
|  | | | (G.S.I. No. 3 p/ 1) | | | | |  |  | | |  | |  | |  | |  | |  | | |  |  | | | | | | | |  | | | |  | | | |  | |  |
|  | | | **12480.00** | | | **Cft** | |  |  | | |  | | **@Rs** | |  | | **2117.50** | | | | | **P%0Cft** | | | | | |  | **Rs:** | | | **26426** | | | | | | | |
|  | | |  | | |  | |  |  | | |  | |  | |  | |  | |  | | |  |  | | | | | | | |  | | | |  | | | |  | |  |
| 2 | | | Earth work compaction (soft, ordinary or hard soil) laying arth in 6"thick layers levelling and dressing etc completed (GSI No:3, P-4) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |
|  | | |  | | |  | |  |  | | |  | |  | |  | |  | |  | | |  |  | | | | | | | |  | | | |  | | | |  | |  |
|  | | | **12480.00** | | | **Cft** | |  |  | | |  | | **@Rs** | |  | | **263.00** | | | | | **P%0Cft** | | | | | |  | **Rs:** | | | **3282** | | | | | | | |
|  | | |  | | |  | |  |  | | |  | |  | |  | |  | |  | | |  |  | | | | | | | |  | | | |  | | | |  | |  |
| 3 | | | Extra lead for every 50' Ft: additional lead or part thereof. (GSI No: P- ) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | |  | | | |  | |  |
|  | | | **12480.00** | | | **Cft** | |  |  | | |  | | **@Rs** | |  | | **5039.00** | | | | | **P%0Cft** | | | | | |  | **Rs:** | | | **62887** | | | | | | | |
|  | | |  | | |  | |  |  | | |  | |  | |  | |  | |  | | |  |  | | | | | | | |  | | | |  | | | |  | |  |
| 4 | | | Cement concrete bricks or stone ballest ½” to 2” gauge Ratio 1:4:8 (GSI No: P- ) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | |  | | | |  | |  |
|  | | | (G.SI. No. 4 p/ 17) | | | | |  |  | | |  | |  | |  | |  | |  | | |  |  | | | | | | | |  | | | |  | | | |  | |  |
|  | | | **5808.00** | | | **Cft** | |  |  | | |  | | **@Rs** | |  | | **9416.28** | | | | | **P%cft** | | | | | |  | **Rs:** | | | **298308** | | | | | | | |
| 6 | | | C.C plain i/c placing, compecting finishing and curing complete i/c screening and washing of stone aggregate without shuttering (GSI No: 5, P-17) **Ratio:1:2:4** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |
|  | | | **4400.00** | | | **cft** | |  |  | | |  | | **@Rs** | |  | | **14429.25** | | | | | **P% cft** | | | | | |  | **Rs:** | | | **634887** | | | | | | | |
|  | | |  | | |  | |  |  | | |  | |  | |  | |  | | **Total:** | |  | | | **Rs:** | | | **1025790** | | | | | |

**(b) RCC 2.0 NALA**

**WIDTH 2.0 FT**

1. Excavation for pipe line in trenches and pits in

soft soil i/c trimming and dressing sides of true alignment

and shape leveling of beds of trenches to correct level and

grade cutting joint and holes and disposal of surplus earth

within a one chain as directed by Engineer incharge providing

fence guard, lights, flags and temporary crossing for non vehicular

traffic where ever required lift up to 5 ft. (1.52 m) and lead up to

one chain 930.5 m) P.HS.I No:1 P.No:60).

Qty: 10500.0 Cft. @ Rs: 3600/- P.%Cft. Rs:37800/-

1. Excavation for pipe line in trenches and pits in wet

Soil, clay or mud i/c trimming and dressing sides of true

soft soil i/c trimming and dressing sides of true alignment

and shape leveling of beds of trenches to correct level and

grade cutting joint and holes and disposal of surplus earth

within a one chain as directed by Engineer incharge providing

fence guard, lights, flags and temporary crossing for non vehicular

traffic where ever required lift up to 5 ft. (1.52 m) and lead up to

one chain 930.5 m) P.HS.I No:14 P.No:66).

Qty: 3500.0 Cft. @ Rs: 5400/- P.%Cft. Rs:6124 /-

1. Add every 50’ additional lead or part there of.( CSI NO:8 Page NO: 13).

Qty: 14000.00 Cft. @ Rs: 407/- P.%Cft. Rs:5698/-

1. Cement concerte plain including placing compacting

finishing and curring complete (including screening and

washing of stone aggregate with out shuttering.

( CSI NO:8 Page NO: 13).

1. **Ration 1:4:8**

Qty: 1750.0 Cft. @ Rs: 11288/75 P.%Cft. Rs:197553/-

1. Reinforced cement concerte work including all labour and

Material except the cost of steel reinforcement and its labour For bending and binding , witch will be paid separately.This rate also i/c all kinds of forms moulds lifting shuttering Curring rendering and finishing the exposed surface (including Screening and washing of shingles) (a)R.C.C work in roof Slab beams columns rafts lintels and other structural member laid in situated or precost laid in position complete or all, respects (b) Ratio (1:2:4) 90 Lbs cement 2 Cft, sand 4 Cft 1/8” to 1/4”guage. ( CSI NO:5(a) (i)Page NO: 17). **Ratio 1:2:4**

Qty: 8155.0 Cft. @ Rs: 337/- P. Cft. Rs:2748235/-

1. Fabrication of mild steel reinforcement for cement concerte i/c

cutting bending laying or poition making joints and fastenings

i/c cost of binding wire (also includes removal of rust from).

(b) using tor bars. ( CSI NO:8 (ii)(b)Page NO: 17).

Qty: 327.65 Cwt. @ Rs: 5001/70 P.Cwt. Rs:1638807/-

Schedule B Total Rs:4646993/-

**(C) CILT CLEANING**

1. Earth work excavation in ashes sand soft

soil or silt clearance Undressed lead up to

50’ ft. (CSI No:2 P No:1)

Qty: 2614.0 Cft @Rs.5204/38 P%0 Cft Rs.13609 /-

2. Cleaning of collecting tank / sump below ground level dewatering of sullage water & disposal of garbage solid waste etc out side the tank etc complete.

(PHSI NO :1 P NO.59)

Qty: 4003.50 Cft @Rs:11900/- P%0 Cft *Rs.47642/-*

Total Rs: 61251/-

**COMPOUND WALL**

*1) Coursed Rubble cessionary 1:6*

*(CSI No.2 P.NO.31)*

*Qty: 1042.87 Cft @Rs:25321/- P.% Cft Rs:264065/-*

*2) Pointing flush on stone work In Cement Mortar 1:3.*

*(CSI No:20 (c) (ii) P.NO:53)*

*Qty: 772.50 Cft @Rs:1758/08 P.% Cft Rs:13581/-*

*3) DPC with cement sand & shingle concrete 1:2:4 i/c*

*coated of asphaltic mixture (CSI No.27 P.23) 3” thick.*

*Qty: 695.25 Sft @Rs:3912/85 P.% Sft Rs:27204/-*

*4) Pacca brick work other than building i/c stricking*

*of joints up ot 50 ft. height (in cement sand mortar)*

*Ratio 1:6 (CSI No.7(e) P.22)*

*Qty: 2973.15 Cft @Rs:12346/65 P.% Cft Rs:367084 /-*

*8) Cement Plaster (aster) (1:4) up to 12 ” hight*

*thick (CSI -11(b)P-57) 1/2 ” thick.*

*Qty: 7159.36 Sft @Rs:2283/93 P.% Sft Rs:163515/-*

*10) White washing (a) one coat . (CSI No.26(b) P.54).*

*Qty: 7159.36 Sft @Rs:425/84 P.% Sft Rs.30487/-*

*11) Colour washing (b)two coat. (CSI No.25 (c) P.54).*

*Qty: 7159.36 Sft @Rs:829/95 P. %Sft Rs.59419/-*

*12) Making and fixing steel grated door with 1/16” thick*

*sheeting i/c angle iron frame 2”x2” 3/8” and ¾” square*

*bars 4” C/C with locking arrangement (CSI No.24 P.92).*

*Qty: 72.0 Sft @Rs:726/72 P. Sft Rs.52,324/-*

*13) Preparing surface painting new surface of door*

*and windows any type (three coats)*

*(CSI No.5 © P.69)*

*Qty: 144.0 Sft @Rs:977/40 P.% Sft Rs. 1,830/-*

# *Total : Rs.979509/-*

***PART – IV PUMP HOUSE***

1. *Dismantling cement Concerate reinforced separating reinfor*

*cement for Concertae Cleaning & straightening the same .*

*(CSI NO:20, P NO: 10)*

*For roof & chajja*

*Qty:146.05 Cft @Rs.5445/ P. %Cft Rs.7,952/-*

*2) Dismantling brick work in line or cement mortar.*

*(CSI NO:13, P NO: 10)*

*Qty:326.06 Cft @Rs.1285/63 P. %Cft Rs.4,192/-*

*3) Excavation in foundation of building bridges and other structure i/c*

*deg belling bressing refilling around the structure with excavated*

*earth watering and ramming lead up to one chain lift up to 50 ft.*

*(in ordinary soil)) (CSI No18(b), P.No4)*

*Qty:188.0 Cft @Rs.3176/25 P. %0 Cft Rs.597/-*

*4) Cement concrete brick or Stone Blast 1 ½“ to 2” Guage*

*1:4:8. (CSI: No.4 (b) P: NO.15)*

*Qty:128.93 Cft @Rs.9416/28 P. % Cft Rs.12140/-*

*5) Randum rubble masonry (incoursed) in foundation in cement*

*sent master Ratio 1:6 (CSI No1P. No.31)*

*Qty:141.0 Cft @Rs.17723/- P. % Cft Rs.24989/-*

*6) Rubble masonry i/c hammer dressing in cement sand mortar*

*Ratio 1:6 (CSI No.2(d) P.No27)*

*Qty:117.50 Cft @Rs.25321/- P. % Cft Rs.29752/-*

*7) Damp proof cause with cement sand and shingle concrete*

*1:2:4 i/c two coats of mix phal misture (CSI No.28(c) P.No.19)*

*Qty:58.75 Cft @Rs.4982/18 P. % Cft Rs.2927/-*

*8) Pointing flush on stone work in cement mortar 1:3 on stone*

*work raised (CSI No.11 P.No.59)*

*Qty:104.0 Sft @Rs.1062/33 P. % Cft Rs.1105/-*

*9) Pacca brick work in foundation and plinth I cement sand*

*mortar 1:6 (CSI No.5 P.No.24)*

*Qty.2.00 Cft @Rs.11948/36 P% Cft. Rs.2390/-*

*10) Pacca brick work in ground floor including sand mortar 1:6*

*(CSI No.5 P.No.25)*

*Qty. 306.0 Cft @Rs.12674/36 P% Cft. Rs.38784/-*

*11) RCC work in roof slab, beams columns rafts, lintels,*

*and other structure members laid in situ of pre cost*

*laid in position complete in all respect 1:2:4*

*(CSI No.6 P.NO.17)*

*Qty. 108.35 Cft @Rs.337/- P% Cft. Rs.36514/-*

*12. Fabrication of mild steel reinforcement for cement*

*concrete i/c cutting bending laying in position*

*making K=joints and fastering i/c cost of binding*

*wire also i/c removal of rust from bars*

*(CSI No.7 P.NO.20).*

*Qty.4.35 Cwt @Rs.4820/20 P cwt. Rs.20968/-*

*13. making and fixing steel grated door complete*

*with looking arrangement iron frame 2”x2” 3/8”*

*locking arrangement (CSI No.24 P.NO.97).*

*Qty. 62.00 Cft @Rs.594/57 P % Cft . Rs.36863/-*

*14. Filling watering and ramming earth in floors with*

*surplus earth from foundation and lead p to one*

*chain and lift up to 5 ft. (CSI No.21 P.NO.5).*

*Qty. 109.25 Cft @Rs.1512/50 P %0 Cft . Rs.165/-*

*15. Supplying filling sand under floor and plugging in wells.*

*(CSI No.29 P.NO.26).*

*Qty.54.62 Sft @Rs.1141/25 P Sft Rs.623/-*

*16. Providing and lying 1” thick topping cement concrete*

*1:2:4 i/c surface fixing and desiring in to panel.*

*(CSI No.16(d) P.NO.42).*

***3” Thick***

*Qty. 120.00 Sft @Rs.4411/82 P % Sft Rs.5294/-*

*17. Cement pointing struck joints on walls(CSI No.19 P.NO.59).*

***Out side of Pump House***

*Qty.427.50 Sft @Rs.1287/44 P % Sft Rs.5504/-*

*17. Aster for plaster 1:4 up to 20 ft height 3/8 thick (CSI No.11 P.NO.58).*

*Qty.508.50 Sft @Rs.2197/52 P % Sft Rs.11174/-*

*18. Cement plaster:4 up to 20 ft height ½” thick(CSI No.11 P.NO.58).*

*Qty.508.50 Sft @Rs.2283/93 P % Sft Rs.11614/-*

***Painting New Surface***

*19. preparing surface painting of doors and windows any type i/c edges*

*(CSI No5 P.NO.77).*

*Qty.124.0 Sft @Rs.2116/41 P % Sft Rs.2624/-*

*20. White washing (a) one coat . (CSI No.26 P.54).*

*Qty: 508.50 Sft @Rs:829/95 P.% Sft Rs.4220/-*

*21. Colour washing (b)two coat. (CSI No.25 P.54).*

*Qty:427.50 Sft @Rs:859/90 P. %Sft Rs.3676/-*

*Total Rs:2,64,067/-*

**PART VIII Inter Connection r.c.c pipe**

1. Excavation for pipe line in trenches and pits dalday soil i/c

trimming and dressing sides to true alignment and shape

leveling of beds of trenches to correct level and grade

cutting joints holes and Disposal of surplus earth within

one chain as directed by Engineer incharge providing

fence guards, lights flages and temporary crossing for non

vehicular traffic where ever required lift up to 5 ft: and lead

up to one chain and (P.H SCHI: No. 1(A), P-60

**For C.Tank 12” dia**

Qty: 360.00 cft @Rs.3600/- P %0 cft Rs.1,296/-

1. Excavation for pipe line in trenches and pits wet

soil caly or mud i/c trimming and dressing sides

to true alignment and shape leveling of beds of

trenches to correct level and grade cutting joints

holes and Disposal of surplus earth within one

chain as directed by Engineer incharge providing

fence guards, lights flages and temporary crossing

for non vehicular traffic where ever required lift up

to 5 ft: and lead up to one chain and

(P.H SCHI: No. 14, P-66)

Qty: 180.0 Cft @Rs.5400/- P%0 Cft . Rs.972/-

1. Providing laying R.C.C pipe of A.S.T.M( – 76 – 62 T/C – 76 -70)

Class II wall B and fixing in trench i/c cutting fitting

and jointing with rubber rings i/c testing with water

to specified pressure (Rate Approved).(PHSI No,1 P.No,17)

**For 15” dia pipe**

Qty: 16.00 Rft @Rs.412/- P .Rft Rs.6,592/-

1. Refilling the excavated stuff in trenches 6” thick layer

i/c watering ramming to full compaction etc complete

(P.H.SCHI: NO. 1, P-77).

Qty: 432.0 Cft @Rs.2760/- P. %0 Cft Rs.1,192/-

TOTAL Rs:10,052/-

**PART VI (i) PUMPING MACHINERY**

1) Supplying Installing In Postion At Site Of Work For Drainage Scheme Drainage Gharibabad Hingorja T/C Hingorja Taluka Sobhodero District Khairpur Taluka Sobhodero District Khairpur Electric set 1450 Rpm (Siemens) Made By 20 BHP Ila- 133-6 Aa-60 3-Phase50 Cycles Coupled Siemens. Non Clogging Pump (Type ( Np 80 -400 ) Size 3”X4 Common Steel Frame Are Best Plate Coupling Of Discharging 50 Gallons Per Minute Against A Head Of 45 Ft I/C Installing Of Pumping Set In Cement Concerte Foundation Ratio 1:2:4 With M.S Nuts & Bolts Of ½” Dia To Be Embedded In Cc Foundation I/C Providing And Fixing Star Data Started Complete With Nuts Bolts And Every Load Release And Required I/C Providing Fixing On Repared Boared Iron Clad Triple Pole And Neutral Switch Fuse With Rewire Able Type Fuse Link Carried 500 Volts Grade I/Cft Providing Fixing Material Boared Accommodate Main Or Sub Main Control Switch Recessed In Wall Size 3x2” ½ Wiring For Main Switch 3-111-0074(Pl0.44) Pvc Insulated Wire 660 Volts Graded In 25 Mm (1”) Pvc Conduct On Surface As Required I/C Providing And Fixing Year Thing Set 0.6 Mmx6.3mm 2’x2’ ½ C.I Plate Buried In The Grand At Depth Of 3.7 Mm (12’) Or Lass Asper Pak: Pwd Spectication And Testing Of The Pumping Set Against Set Requied Dead Of 72 Hours Etc Complete (R.A Attached).

Qt 2.0 set @ Rs: 7,15,820/- P.Set Rs: 14,31,640/-

Total Rs: 14,31,640/-

**(ii) DIESEL OIL ENGINE 36 BHP**

1) Supplying and installing Diesel Oil Engine 36 BHP pump (GOLDEN company) KWPZ 100 – 250, 5 x 4 Drainage scheme Gharibabad Mohalla & Memon Mohalla Hingorja .

Sobhodero & District Khairpur and fixing in position i/c transportation to site of work, Diesel Oil Engine set consisting of Diesel 25 BHP 2200 RPM non closing pump type GOLDEN – KWPZ 100 – 250, size 5 x 4 capable of going Diesel 290 Gallons per minute a head of 40 mounted from are based plate installing of pump set cement concrete foundation (Ratio 1:2:4)

Qty. 1 sets @Rs.1188000/- P Set Rs.1188000/-

iii) Provision interconnection for suction and delivery of pumping machinery

Qty. 1 sets @Rs.75, 000/- P set Rs:75,000/-

G Total **Rs.26,94,640/-**

**(iii) INTER CONNECTION**

1. Providing & laying and jointing and fixing in trenches i/c fitting jointing testing etc

complete in all respect the high density tolythyline P.E pipes,( H.D.P.E 100) for

Ws conforming ming iso 4427/ din 8074, 8075 . 10 PN.

**6” dia pipe for suction**

Qty: 66.0 Rft @Rs.530/- P Rft Rs.34980/-

**6” dia pipe for Delivery**

Qty: 16.0 Rft @Rs.650/15 P Rft Rs.10402/-

2. Mild steel flange ½” dia (12 mm thick).

**6” dia**

Qty: 18 Nos @Rs.945/- P Rft Rs.17010/-

3. Supplying CI sluice valve heavy pattern test pressure 21.0 Kg sq

Cm 300 Lbs Sq inch(MSI NO:2 P.NO9)

**6” dia**

Qty: 3 Nos @Rs.9360/- Each Rs.28080/-

4. Supplying CI sluice valve heavy pattern test pressure 21.0 Kg or

Cm 300 Lbs Sq inch(MSI NO:2 P.NO9)

4” dia for suction

Qty: 3 Nos @Rs.1706/25 Each Rs.5118/-

5. Supplying C.I foot value heavy (pattern with type(SMI NO:4 PNO:10)

4” dia

Qty: 3 Nos @Rs.893/75 Each Rs.2681/-

6. C.I bend of flanged end with holes i/c trenches and facing of flanged for

all size (SMI NO:7.5 PNO:11)

6” dia bend 90 degree

Qty: 0.787 Cwt @Rs.6096/75 P Cwt Rs.4797/-

7. CI tapers flat bottomed or central tapered flanged ends with holes i/c

Turning and facing of flanged for all size( SMI NO:9 P.NO:11)

Qty: 0.309 Cwt @Rs.6096/75 P Cwt Rs.1883/-

8. Supplying CI tees flanged end with holes i/c trimming facing of flanged

for all size (SCH OF MAT NO:11 P.NO:11)

CI tees 3”x3”x3” dia

Qty: 0.356 Cwt @Rs.6096/75 P Cwt Rs.2170/-

9. Jointing CI/MS flanged pipe to special flange inside

threaded i/c supplying rubber packing the required

thickness nuts bolts with wisher wand other required

for jointing and testing the joint of the specified pressure

etc complete. (P.H SCHI: No. 1, P-35)

**(c) 6” dia joints for suction**

Qty:31 joints @ Rs.513/- P. joints Rs15903/

10. Cost Iron Speciala for AC pressure pipe standared wt for ACIL “B” class.

C.I Gibault Joint 3” dia

Qty: 1 No @ Rs.568/75 Each Rs569/-

Total Rs:1,23,588 /-

**PART – Viii SOLAR ENERGY SYSTEM**

**1)** Providing solar energy system 20 BHP .

. Qty. 19500.0 Walt @Rs.174/90 P .Walt Rs.34,10,550 /-

**Total Rs:34,10,550 /-**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Part - 5** | | | **Staff Quarter** | | |  |  |  |  |
|  | **Size** | **Room** | | **12.00** | **X** | | **10.00** |  |  |
|  |  | **Verandah** | | **6.00** |  |  | |  |  |
| **Part-I Schedule Items** | | | | |  |  |  |  |  |
| 1)Excavation In foundation of Building Bridges and and other structures including dagbelling dressing refilling around structure with excavated earth watering and ramming lead upto 5 feet (a) In ordinary soil. ( C.S.I.No.18(b) P.No.4) | | | | | | | |  |  |
| For foundation | | | |  |  |  |  |  |  |
| Qty. | 285.00 | cft | at Rs. | 3176.25 | | P%0cft | | Rs. | 905.00 |
| 2)Cement concerte brick or stone ballost 1-1/2" to 2" guage (C.S.I.No.4(b)P.No.15) **Ratio 1:4:8** | | | | | | | |  |  |
| For foundation | | | |  |  |  |  |  |  |
|  | L/W | 2 | 19.50 | 2.00 | 0.50 | = | 39.00 | cft. |  |
| Main Door Step | | |  |  |  |  |  |  |  |
| Qty. | 153.48 | cft | atRs. | 9416.28 | | P%cft. | | Rs. | 14452.00 |
| 3)Random rubble masonary (uncoured) (d)in cement sand morter(iv) Ratio 1:6 ( C.S.I.No.1 P.No.27) | | | | | | | |  |  |
| For foundation | | | |  |  |  |  |  |  |
| Qty. | 161.44 | cft | at Rs. | 17723.00 | | P%cft. | | Rs. | 28612.00 |
| 4)Coursed rubble masonary including hammering dressing (d)in cement sand morter(iv) Ratio 1:6 ( C.S.I.No.2 P.No.27) | | | | | | | |  |  |
| For foundation | | | |  |  |  |  |  |  |
|  | L/W | 2 | 20.75 | 1.25 | 1.25 | = | 64.84 | cft. |  |
| Qty. | 117.58 | cft | at Rs. | 25321.00 | | P%cft. | | Rs. | 29772.00 |
| 5)Cement Pointing raised on stone work ( c ) On stone work raised (ii)In cement morter 1:3. ( C.S.I.No.20 (c )(ii) P.No.53) | | | | | | | |  |  |
|  | L/W | 1 | 2 | 20.75 | 1.25 | = | 51.88 | sft. |  |
| Qty. | 86.25 | sft. | at Rs. | 1758.08 | | P%sft. | | Rs. | 1516.00 |
| 6)Pacca brick work in foundation and plinth in (e) cement sand morter 1:6 ( C.S.I.No.4 (I)(e) P.No.21) | | | | | | | |  |  |
|  |  | 1 | 13.00 | 3.00 | 0.50 | = | 19.50 | cft. |  |
| Qty. | 48.75 | cft. | at Rs. | 11948.36 | | P%cft. | | Rs. | 5824.00 |
| 7)Pacca brick work in ground floor(e) in cement sand morter 1:6 ( C.S.I.No.5 (I) (e) P.No.21) | | | | | | | |  |  |
|  |  |  |  |  |  |  |  |  |  |
| **Deductions** | |  |  |  |  |  |  |  |  |
| Door | | 1 | 4.00 | 0.75 | 7.00 | = | 21.00 | cft. |  |
| Qty. | 310.13 | cft | at Rs. | 12674.36 | | P%cft. | | Rs. | 39307.00 |
| 8)Reinforced cement concrete work including all labour and materialexcept the cost of steel reinforcement and its labour for bending and binding ,witch will be paid separately .This rate also i/c all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingles )(a)R.C. work in roof slab beams columns rafts lintels and other structural memberlaid in situ or precost laid in position complete in all respests (i)Ratio (1:2:4)90Lbs cement 2cft,sand 4cft shingles1/8" to 1/4" guage ( C.S.I.No.6(a)(i) P.No.17) | | | | | | | | |  |
| Plinth Beam | | 2 | 20.75 | 1.25 | 0.75 | = | 38.91 | cft. |  |
| Qty. | 295.35 | cft | at Rs. | 337.00 | | P.cft |  | Rs. | 99533.00 |
| 9)Fabrication of mild steel reinforcement for cement concrerte including cutting bending laying in position making joints and fastenings includiug cost of binding wire (also includes removal of rust from bars).(b) using Tor bars. ( C.S.I.No.8 (b) P.No.17) | | | | | | | |  |  |
|  | Qty. is same as per Item No.9 | | | | | = | 295.35 | cft. |  |
| Qty. | 11.858 | cwt. | atRs. | 5001.70 | | P.cwt. | | Rs. | 59309.00 |
| 10)First class deodar wood wrought joinary in doors and windows etc. fixed in position i/c ckowkats hokd fasts hinges towers bolts cleats handels and cords with hooks etc. deodar pannelled or un pannelled and glazed or fully glazed 1-3/4" thick. (C.S.7.No.7 P.No.58 ) | | | | | | | |  |  |
| Door | |  | 1.00 | 4.00 | 7.00 | = | 28.00 | sft. |  |
| Deduct rate of frame as per ( C.S.I.No.25 P-61) = Rs. 370.83 | | | | | | | |  |  |
| NetRate= | | 1273.76 | (-) | 370.83 | = | Rs. | 902.93 | /sft |  |
| Qty. | 64.00 | sft | at Rs. | 902.93 | | P.sft |  | Rs. | 57788.00 |
| 11)Providing and fixing G.I. Frame Ckowkats of size 7"x2" or 4-1/2"x 3"**for door** using of 20 guage G.I. sheet i/c welded hinges and fixing at site with necessary hold fasts. Gilling with cement sand slurry of ratio 1:6 and repairing the joints . The cost also I/c all carriage,tools and plants used in making and fixing.(C.S.I.No.29 P.No.93) | | | | | | | |  |  |
| Door 4'X7' | | Ver. | 1 | 2 | 7.00 | = | 14.00 | Rft. |  |
| Qty. | 17.33 | Rft | at Rs. | 228.90 | | P.Rft |  | Rs. | 3967.00 |
|  |  |  |  |  |  |  |  |  |  |
| 12)Providing and fixing G.I. Frame Ckowkats of size 7"x2" or 4-1/2"x3"**for Windows** using of 20 guage G.I. sheet i/c welded hinges and fixing at site with necessary hold fasts. Gilling with cement sand slurry of ratio 1:6 and repairing the joints . The cost also I/c all carriage,tools and plants used in making and fixing. (C.S.I.No.28 P.No.93) | | | | | | | |  |  |
| Qty. | 48.00 | Rft | at Rs. | 240.50 | | P.Rft |  | Rs. | 11544.00 |
| 13)Supplying and fixing in position iron steel girl of 3/4"x1/4" size flat iron of approved design i/c painting 3coats etc.weight not less than 3.70 Lbs./sft of finished grill. (C.S.7.No.26 P.No.93) | | | | | | | |  |  |
| Qty. | 26.64 | sft | at Rs. | 180.50 | | P.sft |  | Rs. | 4809.00 |
| 14)Filling watering and ramming earth in floor with surplus earth excavated from foundation lead upto one chain and lift upto 5 ft. (C.S.7.No.21 P.No.4) | | | | | | | |  |  |
| under Floor | |  |  |  |  |  |  |  |  |
| Qty. | 201.83 | cft | at Rs. | 1512.50 | | P%0cft | | Rs. | 305.00 |
| 15)Supplying and filling sand under floor and plugging in wells. (C.S.I.No.29 P.No.26) | | | | | | | |  |  |
| under Floor | |  |  |  |  |  |  |  |  |
| Qty. | 86.25 | cft | atRs. | 1141.25 | | P%cft | | Rs. | 984.00 |
| 16)Painting new surfaces. | | | | | |  |  |  |  |
| Perparing surface and painting of doors and windows any type i/c edges.(C.S.I.No.4(c) P.No.68) **Three Coats** | | | | | | | |  |  |
| Qty. | 208.00 | sft | at Rs. | 1662.21 | | P.%sft | | Rs. | 3457.00 |
| 17)Cement plaster 1:4 upto 12' height(b) 1/2" thick. C.S.I.No.11(b) P.No.52) | | | | | | | |  |  |
| Qty. | 923.00 | sft. | atRs. | 2283.93 | | P.%sft | | Rs. | 21081.00 |
| 18)Cement plaster 1:4 upto 12' height (a)3/8" thick. (C.S.I.No.11(a) P.No.52) | | | | | | | |  |  |
|  | Qty. is same as per item No.19 | | | |  | = | 923.00 | sft. |  |
| Qty. | 923.00 | sft. | atRs. | 2197.52 | | P.%sft | | Rs. | 20283.00 |
|  |  |  |  |  |  |  |  |  |  |
| 19)White wash three coat. (C.S.I.No.26(c) P.No.54) | | | | | | | |  |  |
| Inside Room | | 1 | 12 | 10.00 |  | = | 120.00 | sft. |  |
| Qty. | 284.66 | sft | atRs. | 829.95 | | P.%sft | | Rs. | 2362.00 |
|  |  |  |  |  |  |  |  |  |  |
| 20)White washing one coat. (C.S.I.No.26(a) P.No.54) | | | | | | | |  |  |
| Qty.is same as per Item No. | | | | | | = | 923.00 | sft. |  |
| Qty. | 850.50 | sft. | at Rs. | 416.63 | | P.%sft. | | Rs. | 3543.00 |
| 21)Colour wash two coat. (C.S.I.No.25(b) P.No.54) | | | | | | | |  |  |
| Qty issame as per item No.18 | | | | |  | = | 850.50 | sft. |  |
| Qty. | 850.50 | sft. | atRs. | 859.90 | | P.%sft. | | Rs. | 7313.00 |
| 22)Khapril of cement concrete 12" x 8" x 1" of approved design / shape laid flate 1:2 grey cement mortor over a bed of 3/4" thick grey cement mortor(1:2). (C.S.I.No.39 P.No.38) | | | | | | | |  |  |
| Over roof slab | | | |  |  |  |  |  |  |
| Qty. | 375.37 | sft. | at Rs. | 8997.90 | | P.%sft. | | Rs. | 33775.00 |
| 23)Providing 1" thick topping cement concrete (1:2:4) i/c surface finishing and dividing in to panels. (C.S.I.No.16(d) P.No.42) | | | | | | | |  |  |
| under Floor | |  |  |  |  |  |  |  |  |
| Qty. | 172.50 | sft. | atRs. | 4411.82 | | P.%sft. | | Rs. | 7610.00 |
|  |  |  |  |  | **Total Part-I** | | | **Rs.** | **458051.00** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 2)Excavation for pipe line in trenches and pits **in soft soil** i/c trimming and dressing sides of true alighment and shape levelling of beds of trenches to correct levell and grade cutting joint and holes and disposal of surplus earth within a one chain as directed by Engineer incharge providing fence guard ,lights ,flags and temporary crossing for non vehicular traffic where ever required lift upto 5 ft.(1.52m)and lead upto one chain (30.5m). ( P.H.S.I.No.1 P.No.60) | | | |  |  |  |  |  |  | | **for 10" dia pipe** | | |  |  |  |  |  |  |  | |  |  | 1 | 2000.0 | 2.75 | 2.00 | = | 11000.00 | cft. |  | |  |  |  |  | Total Qty. | | | 11000.00 | cft. |  | | Qty. | 11000.0 |  | at Rs. | 3600.00 | | P%0 Cft | | Rs. | 39600.00 | | 3)Excavation for pipe line in trenches and pits **in wet soils clay or mud** i/c trimming and dressing sides of true alighment and shape levelling of beds of trenches to correct levell and grade cutting joint and holes and disposal of surplus earth within a one chain as directed by Engineer incharge providing fence guard ,lights ,flags and temporary crossing for non vehicular traffic where ever required lift upto 5 ft.(1.52m)and lead upto one chain (30.5m). ( P.H.S.I.No.14 P.No.66) | | | | | | | | |  | | **for 10" dia pipe** | | |  |  |  |  |  |  |  | | Qty. | 11000.0 | cft. | at Rs. | 12940.00 | | P%0 Cft | | Rs. | 142340.00 | | 4)Providing,Laying Fiber cement pressure pipes and comet joint of class "B" fixing in trench i/c cutting fitting and jointing with rubber ring i/c testing with water to ahead of 122 meter or 400ft. (P.H.S.I.No.1 P.No.20) | | | | | | | | |  | | **for 10" dia pipe** | | |  |  |  |  |  |  |  | | Qty. | 2000.00 | Rft. | at Rs. | 619.00 | | P. Rft | | Rs. | 1238000.00 | | 5)Cost iron specials for UPVC/ A.C. pressure pipe (Standard weight for ACIL. "B" class ( Mat.S.I.No.15 P.No.13 ) | | | | | | | | |  | | **for 10" dia pipe** | | |  |  |  |  |  |  |  | | Qty. | 3.00 | 0 | at Rs. | 6662.00 | | Each | | Rs. | 19986.00 | | **for 10" dia pipe** | | |  |  |  |  |  |  |  | | Qty. | 3.00 | 0 | at Rs. | 5037.50 | | Each | | Rs. | 15113.00 | | **for 10" dia pipe** | | |  |  |  |  |  |  |  | | Qty. | 6.00 | 0 | at Rs. | 3250.00 | | Each | | Rs. | 19500.00 | | **for 10" dia pipe** | | |  |  |  |  |  |  |  | | Qty. | 4.00 | 0 | at Rs. | 2212.50 | | Each | | Rs. | 8850.00 | | **for 10" dia pipe** | | |  |  |  |  |  |  |  | | Qty. | 5.00 | 0 | at Rs. | 2356.25 | | Each | | Rs. | 11781.00 | | 6)Air Valve double acting (local) ( Mat.S.I.No.8 P.No.12 ) | | | | | |  |  |  |  | | **for 10" dia pipe** | | |  |  |  |  |  |  |  | |  |  |  |  |  | | |  |  |  | | Qty. | 6.00 | #REF! | at Rs. | 249.00 | | Each | | Rs. | 1494.00 | | 6)F.C. Comet Joint ( Mat.S.I.No.2 P.No.21 ) | | | | | |  |  |  |  | | **for 10" dia pipe** | | |  |  |  |  |  |  |  | | Qty. | 12.00 | 0 | at Rs. | 355.00 | | Each | | Rs. | 4260.00 | | 7)F.C. rubber ring ( Mat.S.I.No.3 P.No.21 ) | | | | | | | | |  | | **for 10" dia pipe** | | | 1 | 0 |  | = | 0 | Pairs |  | | Qty. | 12 | Pairs | at Rs. | 104.00 | | P. Pair | | Rs. | 1248.00 | | 8)C.I Sluice valve heavy pattern (Test pressure 21.0 kg/sq.cm or 300 lbs/sqinch)(Imported) ( Mat.S.I.No.2 P.No.11 ) | | | | | | | |  |  | | **for 10" dia pipe** | | |  |  |  |  |  |  |  | | Qty. | 1.00 | 0 | at Rs. | 27690.00 | | Each | | Rs. | 27690.00 | | 9) Jointing to C.I./M.S. flanged pipes and specials flanged in side a trench i/c supplying rubber packing of the required thickness nuts bolts with washers etc. and other tools required for jointing and testing the joints to the specified pressure etc. complete.( P.H.S.I.No.1 P.No. 40) | | | | | | | | |  | | **for 10" dia pipe** | | |  |  |  |  |  |  |  | | For S.V | |  |  |  |  |  |  |  |  | | For Pipe | |  |  |  |  |  |  |  |  | |  |  |  |  |  | | |  |  |  | | Qty. | 6.00 | 0 | at Rs. | 1576.00 | | P. Joint | | Rs. | 9456.00 | | **For 3" dia** | | **For F.H.Tee** | | |  |  |  |  |  | | **for 10" dia pipe** | | = |  |  |  |  |  |  |  | |  |  |  |  |  | | |  |  |  | | Qty. | 6.00 | 0 | at Rs. | 499.00 | | P.Joint | | Rs. | 2994.00 | | 10) Making joints to C.I. specials fittings (i/c laying ) of the required diameter and testing the joints along with Fiber Cement Pressure pipe lines to the specified pressure andmaking good all leaky joints etc. complete.( P.H.S.I.No.1 P.No.80) | | | | | | | | |  | | **for 10" dia pipe** | | | |  |  |  |  |  |  | | Qty. | 27.00 | 0 | at Rs. | 72.00 | | P.Joint | | Rs. | 1944.00 | | 11)Providing chamber 3'X 2' (915X615mm.)inside diamension 4-1/2'(1372mm.) deep as per approved design for sluice valve 3"to12" dia with 18" (457 mm.)dia inside cost iron cover and frame (wt.=1 cwt.=3 qr.)fixed in R.C.C. 1:2:4 ("4) (102mm) thick brick masonary walls set in 1:6 cement morter 6" (152mm.)thick cement concrete 1:3:6 in foundation 1" (25 mm.)thick cement concrete 1:2:4 flooring 1/2"(12.5 mm.)thick cement plaster 1:3to inside wall surface and top i/c providing and fixing M.S. foot rest at every one foot beyond 2-1/2' curring excavation back filling and dis posal of surplus earth etc. complete.(P.H.S.I.No.1 P.No.49) | | | | | | | | |  | | **for 10" dia pipe** | | 1 | 1 | 4.00 |  | = | 4.00 | Nos. |  | | Qty. | 4.00 | #REF! | at Rs. | 18820.00 | | Each | | Rs. | 75280.00 | | 12)Refilling the excaveted stuff in trench 6" layer i/c watering ramming to full compaction etc.complete. ( P.H.S.I.No.24 P.No.77 ) | | | | | | | | |  | | Qty. | 17050.6 | cft. | at Rs. | 2760.00 | | P.%0 Cft | | Rs. | 47060.00 | | 13)Supplying & installing M.S blind Pipe 3/16" (5mm) thick of best and approved quality and make i/c necessary sockets etc.complete.(P.H.S.I.No.11 P.No.44) | | | | | | | | |  | |  |  |  |  |  | **Total Part-I Rs.** | | | | **1666596.00** | | **Part-II Non- Schedule Items** | | | | | |  |  |  |  | | 1)Providing internal EPILEX Coating. (M.R) | | | | | | |  |  |  | | **for 10" dia pipe** | |  |  |  | |  |  |  |  | | Qty. | 2000.00 | 0 | at Rs. | 125.00 | | P. Rft | | Rs. | 250000.00 | |  |  |  |  |  | **Total Part-II Rs.** | | | | 1916596.00 | |

**GENERAL ABSTRACT OF COST**

**PART - I SURFACE DRAINS** Rs:917657/-

B R.CC Nala Rs.4646993/-

C Silt Clening Rs.61251/-

**PART - II C.C. BLOCK** Rs:1025790/-

**PART - III COMPOUND WALL** Rs:979509/-

**PART - IV PUMP HOUSE** Rs: 264067/-

**PART - V STAFF QUARTER** Rs:458051/-

**PART - VI PUMPING MACHINERY** Rs: 2818228/-

**PART - VII P.E RISING MAIN** Rs:1916596/--

**PART - VIII SOLAR ENERGY** Rs:3410550/-

**PART - IX R.C.C I/CONNECTION** Rs:10252/-

**Total** Rs:16508944/-

***C O N D I T I O N S***

01. Any error/omission in the description of item of work rate original schedule will correct accordingly under Executive Engineer, Public Health Engineering Division-II Khairpur

02. No premium will be allowed as Non-Schedule Items

03. The work will be carried out as per P.W.D specification and approval details working estimates

***(CONTRACTOR)***

|  |
| --- |
| ***EXECUTIVE ENGINEER***  PUBLIC HEALTH ENGINEERING  DIVISION-II KHAIRPUR |