***BIDDING DATA***

***(The Section Should Be Filed In The Engineer /Production Agency Before Issuance Of The Bidding Documents)***

|  |  |  |
| --- | --- | --- |
| ***a)*** | *Name of procuring agency:* | ***Executive Engineer Public Health Engineering Division II Khairpur @ Ranipur*** |
| ***b*** | *Briel description of work :* | **Rehibilition of Drnainge Scheme UMB, Rukrani , Niwaro , Razal Memon,Taluka Sobhodero, & Draiange Scheme Khairah Taluka Mirwah& Sobhodero District Khairpur I/c One Year Operation & Manitenenace** |
| ***c*** | *procuring agency’s Address* | **Taluka Mirwah & Sobhodero District Khairpur** |
| ***d*** | Estimated Cost | Rs. 2,00,00,000/- |
| ***e*** | Amount of BID Security | **2%** |
| ***f*** | Period of bid validity (Security) | **15 Days** |
| ***g*** | Security Deposit(including Bid Security) | **N/A** |
| ***h*** | Dead Line for bid submission of bid along with time | **N/A** |
| ***i*** | Venue time and date of bid opening | ***At Executive Engineer Public Health Engineering Division II Khairpur @ Ranipur*** |
| ***j*** | Time for completion form written order of commence | 3 Months |
| ***k*** | Liquidity damages | N/A |
| ***l*** | Deposit receipt No: date amount (kin word & Figure) | N/A |
|  |  |  |

***(Executive Engineer/Authority issuing bedding document)***

|  |  |
| --- | --- |
| ***Assistant Engineer***  ***Public Health Engineering***  ***Sub Division Sobhodero*** | ***Executive Engineer***  ***Public Health Engineering***  ***Division II Khairpur @ Ranipur*** |

**SCHEDULE B**

**NAME OF WORK: Rehibilition of Drnainge Scheme UMB, Rukrani , Niwaro , Razal Memon,Taluka Sobhodero, & Draiange Scheme Khairah Taluka Mirwah District Khairpur I/c One Year Operation & Manitenenace**

**(Rukrani) PUMPING MACHINERY 10 BHP (1 SET) (NEW) RUKRANI.**

**PART I**

1. Supplying & installing in postion i/c transportation to site of work @ village Rukrani Taluka Sobhodeto electric pumping set consisting of A.C Electric moter 10 BHP 3 phase 50 cycle 400/420 volts of 1450 BHP made type KWPZ (65-315 size 4 ̒ ̒x3̒ ̒ mounted on common steel frame or base plate capable of discharge 200 GMP against the lead of 60 ft: i/c installing of pumping set on cement concrete foundation Ratio(1:2:4) and C.C Ratio (1:4:8) ballast with M.S nuts and bolts of 5/8” dia To embedded in C.C foundation i/c providing and fixing automatic start delta starter Type( MCU) i/c providing & fixing prepared board iron (Clad) triple pole and neutral switch fuse with requircable type fuse link carrier500volts and 0-50 ampars installed on medaled board i/c providing internal electric wiring for main switch with 3-7/0.88(7/0.036) PVC conduit on surface as required i/c providing and fixing earthing with set with 0.6mx6.3 mm (2x2x1/2 **̒ ̒** G.1 plate buried in ground at a depth of3.7m (12ft ) for base plate & testion of the pumping set against the required head of 72 hours etc complete (R.A attached).

Qty: 1.0 Sets @ Rs: 217000/ P. Set Rs:217000/-

1. C.I Reflex valve heavy pattern (Test pressure) 21

kg per sq:or 300 I,Lbs:/ Sq:

Qty: 2.0 Nos: @ Rs: 1706/75 Each Rs:3413/-

1. C.I Reflex valve heavy pattern (Test pressure) 21

kg per sq:or 300 I,Lbs:/ Sq: Inch(SMI No.1(b) P-12)

Qty: 2.0 Nos: @ Rs: 5460/- Each Rs:10420/-

1. Manufacturing installing M.S Pipe 4″ dia made out M.S sheet 3/16″

(4.8 mm thick) i/c cutting folding proper curvature shape i/c welding etc

Complete (R.A approved) Based on Schedule rates.

Qty: 16.0 Rft @ Rs: 506/60 P Rft Rs:5106/-

( P.E. PYA HDPE-100 P.NO.10)

Qty: 34.0 Rft @ Rs: 265/- P Rft Rs:9112/-

1. Manufacturing installation M.S Flanged 3/8”(12 mm thick) M.S sheet of

Required Size drilling holes i/c cutting bending to correct shape welding

etc complete (R.A approved) Based on Schedule rates.

Qty: 16.0 Nos @ Rs: 596/75 Each Rs:9546/-

1. C.I Foot valve heavy pattern with come type gate

(Imported) SMI NO.4 P-12)

Qty: 2.0 Nos @ Rs: 893/75 Each Rs:1755/-

1. C.I Bend with flanged and with holes i/c turning and facing of flanges

for all Sizes (PHSI NO.8 P- 12)

Qty: 4201 Kg @ Rs: 170/- P. Kg Rs:5041/-

1. C.I Bend with flanged and with holes i/c turning and facing of flanges

for all Sizes (PHSI NO.12 P- 13)

Qty: 11.45 Kg @ Rs: 120/- P. Kg Rs:1374/-

1. Supplying of C.I specials for A.C pressure Pipe (standard- weight) for ACIL

̒ B ’ Class (SMI NO: 9 P-15)

Qty: 1.0 No: @ Rs: 487.50/- Each Rs:488/-

1. C.I Tappers flat bottomed or central tapper flanged ends with hole

i/c turning & fixing all sizes(SMI NO.9 P-12)

Qty: 1650 Kg: @ Rs: 120.0/- Each Rs:1260/-

Bult fusion. 40” Cft 16 Nos: @ Rs:100/- Rs:16000/-

Flange Adopter 40” Cft 16 Nos: @RS:1215/- Rs:19440/-

1. Jointing C.I M.S Flanged pipe and specials flanged and inside a trenches

Nuts And bolts with washer etc and other is required for jointing and testing

joints to The specified pressure etc complete(PHSI NO:1 P-40)

Qty: 16.0 Joints @ Rs: 513/- Each Rs: 5208/-

G Total: Rs:512698/-

**Part-II EXTERNAL drains**

1. **Excavation in foundation of building bridges and other**

**structure i/c dag belling refilling around the structure**

**with excavated earth watering ramming lead up to one**

**chain and lift up to 5 ft. (PH Sch. No.18 P.NO.4)**

**Qty. 8280.0 Cft @Rs.3176/25 P%0 Cft . Rs. 26,299/-**

1. **Cement concrete plain i/c placing compacting finishing**

**curing complete i/c screening and washing stone**

**aggregate w/o shuttering (CSI No.5(i) P.NO.17)**

**(a) Ratio 1:4:8**

**Qty.1035.0 Cft @Rs.11288/75 P% Cft . Rs. 116839/-**

**(b) Ratio 1:4:8**

**Type II drain**

**Qty.5940.0 Cft @Rs.14429/25 P% Cft . Rs.8571/-**

**3. Errection and removal of centering for R.C.C or plain**

**cement concerte.**

**(a) Vertical type II drain**

**Qty.1992. Sft @Rs.3127/41 P% Sft . Rs.623/-**

**4. Pacca Brick work in foundation and plinth (1;6) for drains walls.**

**(CSI No.4 (e) P.NO.21)**

**Qty.5715.0 Cft @Rs.11948/36 P% Cft . Rs.682849/-**

**5. Construction of standard open drain concrete block of**

**cement concrete(1:2:4)in site to design profile i.e. cost**

**of mould as per drawing i/c applying Floating coat of**

**cement 1/32″ thick to the exposed face finished smooth**

**curring Etc. complete as per detailed drawing**

**(P.H.S.I NO:D P.NO:58)**

**Qty. 1380.0 Rft @Rs: 174/- P Rft . Rs.2,40,120/-**

**6. Cement plaster 1:4 20’ height ½” thick**

**(CSI No.11 P.NO.57)**

**Qty.10260.0 Sft @Rs.2283/93 P% Sft . Rs. 234331/-**

**6. Reinforced cement concrete work i/c all labour and material**

**except the cost of steel reinforcement and its labour for bending,**

**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 work in roof slab beams columns rafts lintels and other**

**Structural memberlaid in situ or precost laid in postion complete**

**In all respect (i) ratio (1:2:4) 90 Lbs cement 2 Cft, 4 Cft shingles**

**1/8″ to 1/4″**

**Qty. 166.70 Cft @Rs.337/- P Sft Rs.56178/-**

**7. 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.8(b) P.NO.17).**

**Qty.5.95 Cwt @Rs.5001/70 P cwt. Rs.29760 /-**

**Total :- Rs:1395570/-**

**PART III RCC SCREEN CHAMBER**

1. **Earth work excavation underused by upto 8.00 x 5.00 or single**

**Throw of Kotri that water or shovel 0’-5’ depth.**

**Qty.200.0 Cft . @Rs.1134/38 P %0 Cft Rs.227/-**

1. **Fabrication of mild steel words, beds,**

**Qty.1.92 Cwt. @Rs.4928/49 P. Cwt Rs.9463/-**

1. **Errection & fitting in position of iron trusses**

**Qty.1.92 Cwt. @Rs.271/04 P. Cwt Rs.520/-**

1. **Pacca brick work in foundation and plinth in cement under screen.**

**Qty.17.51 Cft . @Rs.11948/36 P % Cft Rs.2092/-**

1. **Cement plaster 1:4 upto 12’ height (b) ½” thick**

**Qty.35.70 Sft. @Rs.2283/93 P % Sft Rs.815/-**

**Total Part I ; Rs:13117/-**

**PART IV COMPOUND WALL**

1. **Pacca brick work other than building i/c stricking**

**of joints up 20 ft. height (in cement sand mortar e )**

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

**Qty: 542.62Cft @Rs. 12346/65 P.% Cft Rs.66,999/-**

1. **Cement Plaster (1:4) up to 20 ” hight**

**thick (CSI -11(b)P-52) (b) ½” thick.**

**Qty: 2940.32 Sft @Rs.2283/93 P.% Sft Rs.67,155/-**

1. **Cement pointing struck jointing in walls (b) 1:3**

**(CSI No19(b) P no 53)**

**Qty: 1120.0 Sft @Rs.1213/58 P.% Sft Rs.13,592/-**

1. **Cement Pointing raised on stone work © on stone**

**work raised (ii) In Cement Mortar 1:3.**

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

**Qty: 324.0 Sft @Rs.1758/08 P.% Sft Rs.5696/-**

1. **RCC work in roof slab beam columns rafts lintels and**

**other structure member laid in citu or pre cost laid in**

**position making complete in all respect Ration 1:2:4**

**90 lbs. of cement cft. Of sand 4 cft of shingle ½**

**to ¼ guage (CSI No.6 P.No.17)**

**Qty: 51.50 Sft @Rs.337/- P.% Sft Rs.17,356/-**

1. **Pacca Brick work in foundation and plinth (1;6) for drains walls.**

**(CSI No.4 (e) P.NO.21)**

**Qty.732.24 Cft @Rs.11948/36 P% Cft . Rs.87491/-**

1. **Damp Proof Course with cement Sand and shingle Concerte**

**1:2:4 i/c 2 coab of Phaltic Mixture. (CSI No.28 P.NO.19)**

**Qty.366.12 Sft @Rs.4982/18 P% Cft . Rs.18241/-**

1. **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**

**(GSI No.P.NO.).**

**Qty.2.06 Cwt @Rs.5001/70 P cwt. Rs.10,304**

1. **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.23 P.92).**

**Qty:50.0 Cft @Rs.726/72 P. Cft Rs.36,336/-**

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

**Qty. 1373.0 Sft @Rs.416/63 P% Sft. Rs.5,724/-**

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

**Qty:2764.32 Sft @Rs.859/90 P. %Cft Rs.23770/-**

1. **Painting New Surfaces Two Coats**

**Qty:100.0 Sft @Rs.1489/68 P. %Cft Rs.1490/-**

**Total :- Rs:219949/-**

**PART V P.E Rising Main**

1. **Dismantalling and removing road matalling.**

**(CSI No: 51 P.No: 14 )**

**Qty.600.0 Cft @Rs.605/- P.% Cft Rs:3,630 /-**

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

**soil clay or mud i/c trimming and dressing sides**

**to true alignment and shape leveling of beds of**

**trenches to correct level and grade cutting 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.1500.0 Cft @Rs.3600/- P.% Cft Rs:5400 /-**

1. **Providing, laying & fixing in trench i/c fitting, jointing &**

**Testing etc complete in all respect the high density polythelene**

**PE pipes (HDPE-100) for water supply conforming ISO 4427 din**

**8074/5075 B.S 3380 & PSI3051**

**(PHSI NO:F1 Page No:25)**

**i 6” dia (160 mm)**

**Qty:300.0 Rft @ Rs: 440/- P. Rft Rs:132000/-**

**ii. 45 Elbow 6” dia**

**1x1.0 = 1.0 Nos**

**Qty:1.0 Nos. @ Rs: 2784/- Each Rs:2784/-**

1. **But Fusion Joint\*-nt 6 “ dia**

**1x2.0 = 2.0 Nos**

**Qty:2.0 Nos. @ Rs: 1000/- Each Rs:2000/-**

1. **Refilling the excavated stuff in trench 6” thick layer i/c watering**

**Ramming to full compaction etc. complete.(P.HS.I NO:P.NO: 77)**

**Qty:1990 Cft . @ Rs: 2760/- P.% Cft : Rs: 5216/-**

**Total :- Rs:1,51,030/-**

**PART VI SILT CLEARANCE**

1. **Earth work excavation in ashes, sand ,soft soil or silt clearance**

**Undressed Earth lead up to 50 ft with 3 mile extra lead.**

**Qty:6340.0 Cft @ Rs: 7457/85 P.%0 Cft Rs:66440/-**

1. **Excavation for tanks and reservoirs in wet soil/ clay or mud i/c**

**Trimming and dressing sides to ture aligment design section/**

**profiles and shape leveling of bed of tank for construction of**

**banks and dressing, disposal of surplus excavated earth in one**

**chain as directed By engineer incharge i/c providing fence**

**guard light flags where ever required lift upto 5 feet (1.52 m)**

**sand lead upto one chain(30.50 m) (P.H.S.I 14NO: P. NO: 74)**

**OXIDATION POND**

**Qty:13540.0 Cft @ Rs:1663/75 P.%0 Cft Rs:22527/-**

1. **Excavation for tanks and reservoirs in wet slushy or daldaly**

**soil i/c Trimming and dressing sides to ture aligment design**

**section/ profiles and shape leveling of bed of tank for construction**

**of banks and dressing, disposal of surplus excavated earth in one**

**chain as directed By engineer incharge i/c providing fence**

**guard light flags where ever required lift upto 5 feet (1.52 m)**

**sand lead upto one chain(30.50 m) (P.H.S.I 15 NO: P. NO: 74)**

**Extra for wet earth**

**Qty:6340.0 Cft @ Rs:1058/75 P.%0 Cft Rs:6712/-**

1. **Extra lead for every Soft additional lead.**

**Qty:6340.0 Cft @ Rs:5039/- P.%0 Cft Rs:31947/-**

**Total :- Rs: 61186/-**

**PART VII REPAIR OF STAFF QUARTER & PUMP HOUSE( 2 NOS)**

1. **Dismantling of CC plain 1:2:4 (CSI-19 ©P-10).**

**Qty:78.0 Cft @ Rs:3327/50 P.% Cft Rs:2,595/-**

1. **Providing an dlying 1” thick C.C topping 1” (1:2:4) i/c surface**

**Drains dividing in to panels 3” thick(CSI-16 P-46)**

**Qty:312.0 Sft @ Rs:4411/82 P.% Sft Rs:13,465/-**

1. **Removing cement plaster / line plaster (CSI-53 P-13)**

**Qty:414.0 Sft @ Rs:121/- P.% Sft Rs:501/-**

1. **Applying floating coat 1/32” thick.**

**Qty:414.0 Sft @ Rs:660/- P.% Sft Rs:2,732/-**

1. **Cement plaster (1:4) up to 12” hight ¾” thick**

**Qty:414.0 Sft @ Rs:2283/93 P.% Sft Rs:9,455/-**

1. **White washing (one coat) . (CSI No.26 P.69).**

**Qty. 3320.0 Sft @Rs.416/63 P% Sft. Rs.13832/-**

1. **Colour washing two coat. (CSI No.25 (b) P.60)**

**Qty. 3320.0 Sft @Rs.859/90 P% Sft. Rs.28549/-**

**8) Painting old surface parepring doors & windows any type(CSI-5 P-77) three coats.**

**Qty.332.0 Sft @Rs.1160/06 P% Sft. Rs.2691/-**

**9) Pointing flash on stone in cement motor 1:3 (CSI-20 P-59)**

**Qty.150.0 Sft @Rs.1758/08 P% Sft. Rs.2637/-**

**Total : - Rs:76,757/-**

**SUB WORK -VIII BRICK PAVEMENT**

1. **Barrow fit Excavation undressed lead up to 100 (a) ordinary soil.**

**(CSI-3 P-1)**

**Qty.8072.41 Cft @Rs.2117/50 P%0 Cft . Rs.17093/-**

1. **Extra work compaction (soft ordinary or hard soil) (b) laying**

**earth in 6” layers laveling dressing and compaction etc complete.**

**(CSI-3 (b) P- 3)**

**Qty.8072.41 Cft @Rs.263/- P%0 Cft . Rs.2123/-**

1. **Extra every 50 ft : additional lead of part there off(a) for earth**

**Work(soft ordinary hard & very hard) soil (CSI-8 (a) P-2)**

**Qty.8072.41 Cft @Rs.5039/- P%0 Cft . Rs.40677/-**

1. **Dry brick on edge paving sand grouted i/c preparation of bed by**

**Watering ramming and bringing the same to the proper camber by ½”**

**Thick mud plaster.(CSI-5 P-40)**

**Qty.2000.0 Rft @Rs.3823/57 P% Rft. Rs.76471/-**

**Total : - Rs: 1,36,364/-**

**PART IX**  **REPAIR OF TRANSFORMAR**

1. **Remanding of Transformer**

**H.T Coil 3 No @ Rs: 1500/- P.Cod Rs:45000/-**

**L.T coal 3 No @ Rs: 8000/- P.Cod Rs:24000/-**

1. **Transfor Oil**

**80 Leter @ Rs:150/- P.Cod Rs:14400/-**

1. **Labour Charges for dismantling .**

**8 Ae Wlatting.**

**1 jab @ Rs:5000/- P.Job Rs:5000/-**

**Total : - Rs: 88400/-**

1. **Win <**

**Provding laying winam or sub main PVC Muslted harth Size**

**4-7/.052(10 mm)2 coppen conduelor**

**60 Meter @ Rs:616/- P.meter Rs:39360/-**

**Rs: 127760/-**

**(Razal Memon) Part- I SCREENING CHAMBER 5X8 DIA**

1. Fabrication of heavy 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 form bars ) (CSI-7 P-20)

Qty: 2.75 cwt @Rs.4928/49 P cwt. Rs.13,553/-

2. Erection and fitting in position of iron trusses staging of

water tank etc. (CSI-3 P-96)

Qty: 2.75 cwt @Rs.271/04 P cwt. Rs. 745/-

Total Rs

**PART – II Inter Connection**

3. 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 18” dia RCC Pipe**

Qty: 360.00 Cft @Rs.3600/- P %0 Cft Rs.1296/-

4. 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/-

3. Providing 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).

**For 18” dia pipe**

Qty: 16.00 Rft @Rs.618/- P.Rft Rs.9,888/-

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

i/c watering ramming to full compaction etc complete

(P.H.SCHI: NO. 24, P-77).

Qty: 432.0 Cft @Rs.2760/- P. %0 Cft Rs.1192/-

5. Carriage RCC pressure pipe of any class with collars by

mechanical transport i/c loading, unloading and stacking

at site. (PSHCHI: No. 2, P-3).

**From Sukkur 53 Mile**

18’ dia

Qty: 16.00 Rft @Rs.2397/87 P % Rft Rs.384/- Total Rs:

**PART-III REPAIR OF STAFF QUARTER & PUMP HOUSE (2NOS)**

1. Fabrication of heavey steel work with angle,tees,iron,

round iron and sheet iron for making trusses,girders,

tands etc.i/c cutting tanks etc. i/c cutting,drilling

riveting ,handling assembling and fixing but excluding

erection in position. (CSI NO:2,P.NO:91)

Qty: 5.25 Cft @Rs.4928/49 P% Cft Rs.25875/-

1. Providing an dlying 1” thick c.c topping (1:2:4)

i/c surface drains dividing in to panels

3” thick (CSI-16 P-46)

Qty:120.00 Cft @Rs.4411/82 P% Cft Rs.5,294/-

1. Cement concrete brick or Stone Blast 1 ½“ to 2” Guage

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

Qty:36.05 Cft @Rs.9416/28 P% Cft Rs.3394/-

4) Painting old surface parepring doors and windows.

Any type ( CSI No:5 P.No 77)

Qty:124.00 Sft @Rs.2116/40 P% Cft Rs.2,624/-

6. White washing (One cots) (CSI No:26 P.No 69 )

Qty:1058.0 Sft @Rs.829/95 P %SFT Rs.8,781/-

7. Clour washing 2 cots (CSI No:25(b) P.No 60 )

Qty:1058.0 Sft @Rs.859/9 P %SFT Rs. 9,097/-

Total Rs:

**PART-IV**   **COMPOUND WALL**

1. Excavation in foundation of building bridges and

other structure i/c deg belling dressing refilling

around the structure with excavated earth watering

ramming load up to one chain and lift up to 5 ft.

in ordinary soil (CSI No.18 P.4)

Qty.772.0 Cft. @Rs.3176/25 P%0 Cft Rs.2452/-

2. Cement concrete brick or stone ballast 1 ½” to 2”

gauge (CSI No.4 P.17).

**Ratio 1:4:8**

Qty.193 Cft @Rs.9416/28 P% Cft . Rs.18,173/-

3. Pacca Brick work in foundation . B

Qty. 1017.75 Cft @Rs.11948/36 P% Cft . Rs1,21,604/-

4. DPC with cement sand & shingle concrete 1:2:4 i/c

coated of asphaltic mixture (CSI No.28 P.19) 3” thick.

Qty. 207.50 Sft @Rs.4982/18 P% Sft Rs10,313/-

5. Pacca brick work other than building i/c stricking

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

Ratio 1:4 (CSI No.7 P.25).

Qty. 324.0 Cft @Rs.12346/65 P% Cft Rs.40003/-

6. Cement plaster 1:6 ½ ” thick. (CSI-11(b) P-57)

**Ratio (1:4) Aster.**

Qty: 1375.0 Sft @Rs.2206/60 P% Sft Rs30341/-

9. Cement Plaster (1:4)up ot 12” hight 3/8”

thick (CSI -11(b)P-57)

Qty1375.0 SFT @Rs.2197/52 P% Cft Rs.30,216/-

10. Cement pointing struck jointing in wall 1:3

(CSI No 9 P no 59)

Qty: 660.0 Sft @Rs.1213/58 P% Sft Rs.8010/-

11. White washing (Two coat) (CSI No.26 P.69).

Qty. 1375.0 Sft @Rs.416/63 P% Sft. Rs.5729/-

12. Colour washing (two coats) (CSI No.26(b) P.54).

Qty:2035 Sft @Rs.859/90 P% Sft. Rs.17499/-

13. Making and fixing steel grated door with ¾” square

bars R.C.C sheeting i/c angle iron frame 2”x2” 3/8”

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

Qty:60.0 Sft. @Rs.726/72 P sft. Rs.43603/-

14. Preparing surface painting new surface of door

and windows any type (three coats)

(CSI No.5 © P.70)

Qty: 120.0 Sft @Rs.1489/68 P% sft. Rs.1788/- Total Rs:

**PART-V F.C RISING 4” DIA**

1. Providing F.C Pressure Pipe and connel Joint of

“B” i/c fixing in tenches i/c cutting fitting and

jointing with rubber rings i/c testing with water

to a head of 61 meter or 200 ft (M.A) (R.A

approved) ( Photo Copy Attached).

Qt:150.00 Rft. @Rs.297/53 P Rft. Rs.44,630/-

1. **C.I Bend 90\* Dagree 4” Dia**

Qty: 2.0 Nos @ Rs.893/- Each Rs.1,786/-

1. **C.I Jabailt joint = 4” Dia**

Qty: 4.0 Nos @ Rs.731/25 Each Rs.2,925 /-

4. F.C Collers (B) Class

**4” Dia**

Qty: 2.0 Nos @ Rs.157/- Each Rs.314 /-

5. Rubber Rings for F.C pressure pipe .

**4” Dia**

Qty: 2.0 Pair @ Rs.157/- Each Rs.380 /-

6. Excavation for pipe line in trenches and pits soft soil i/c

trimming and dressing sides to true alignment and

shape leveling of beds of trenches to correct level and

grade cutting joints holes 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, P-48)

Qt:1012.50cft. @Rs.3600/- P%0 Cft . Rs.3,645/-

7. Making joints CI special filling i/c laying od the

required along with the asbestos cement pressure

pipe line to the specified pressure and making good

to all leaky joints etc complete.

(PHSI No.1 P. 56).

**4” dia**

Qty:2.0 Nos. @Rs.62/- Each Rs. 124/-

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

i/c watering trimming on full compaction etc complete

(P.H.SCHI: NO. 24, P-55).

Qt:810.0 cft. @Rs.2760/- P%0 Cft Rs.2,236/-

Total Rs:55,104/-

**PUMPING MACHINERY 10 BHP (1 SET) (NEW) RAZAL MEMON.**

**PART VI**

1. Supplying & installing in postion i/c transportation to site of work

@ village Razal memon Taluka Sobhodeto electric pumping set consisting of A.C Electric moter 10 BHP 3 phase 50 cycle 400/420 volts of 1450 BHP made type KWPZ (65-315 size 4 ̒ ̒x3̒ ̒ mounted on common steel frame or base plate capable of discharge 200 GMP against the lead of 60 ft: i/c installing of pumping set on cement concrete foundation Ratio(1:2:4) and C.C Ratio (1:4:8) ballast with M.S nuts and bolts of 5/8” dia To embedded in C.C foundation i/c providing and fixing automatic start delta starter Type( MCU) i/c providing & fixing prepared board iron (Clad) triple pole and neutral switch fuse with requircable type fuse link carrier500volts and 0-50 ampars installed on medaled board i/c providing internal electric wiring for main switch with 3-7/0.88(7/0.036) PVC conduit on surface as required i/c providing and fixing earthing with set with 0.6mx6.3 mm (2x2x1/2 **̒ ̒** G.1 plate buried in ground at a depth of3.7m (12ft ) for base plate & testion of the pumping set against the required head of 72 hours etc complete (R.A attached).

Qty: 1.0 Sets @ Rs: 217000/ P. Set Rs:217000/-

1. C.I Reflex valve heavy pattern (Test pressure) 21 kg per sq:or 300 I,Lbs:/ Sq:

Qty: 2.0 Nos: @ Rs: 1706/75 Each Rs:3413/-

1. C.I Reflex valve heavy pattern (Test pressure) 21 kg per sq:or 300 I,Lbs:/ Sq:

Inch(SMI No.1(b) P-12)

Qty: 2.0 Nos: @ Rs: 5460/- Each Rs:10420/-

1. Manufacturing installing M.S Pipe 4″ dia made out M.S sheet 3/16″

(4.8 mm thick) i/c cutting folding proper curvature shape i/c welding etc

Complete (R.A approved) Based on Schedule rates.

Qty: 16.0 Rft @ Rs: 506/60 P Rft Rs:5106/-

( P.E. PYA HDPE-100 P.NO.10)

Qty: 34.0 Rft @ Rs: 265/- P Rft Rs:9112/-

1. Manufacturing installation M.S Flanged 3/8”(12 mm thick) M.S sheet of

Required Size drilling holes i/c cutting bending to correct shape welding

etc complete (R.A approved) Based on Schedule rates.

Qty: 16.0 Nos @ Rs: 596/75 Each Rs:9546/-

1. C.I Foot valve heavy pattern with come type gate

(Imported) SMI NO.4 P-12)

Qty: 2.0 Nos @ Rs: 893/75 Each Rs:1755/-

1. C.I Bend with flanged and with holes i/c turning and facing of flanges

for all Sizes (PHSI NO.8 P- 12)

Qty: 4201 Kg @ Rs: 170/- P. Kg Rs:5041/-

1. C.I Bend with flanged and with holes i/c turning and facing of flanges

for all Sizes (PHSI NO.12 P- 13)

Qty: 11.45 Kg @ Rs: 120/- P. Kg Rs:1374/-

1. Supplying of C.I specials for A.C pressure Pipe (standard- weight) for ACIL

̒ B ’ Class (SMI NO: 9 P-15)

Qty: 1.0 No: @ Rs: 487.50/- Each Rs:488/-

1. C.I Tappers flat bottomed or central tapper flanged ends with hole

i/c turning & fixing all sizes(SMI NO.9 P-12)

Qty: 1650 Kg: @ Rs: 120.0/- Each Rs:1260/-

Bult fusion. 40” Cft 16 Nos: @ Rs:100/- Rs:16000/-

Flange Adopter 40” Cft 16 Nos: @RS:1215/- Rs:19440/-

1. Jointing C.I M.S Flanged pipe and specials flanged and inside a trenches

Nuts And bolts with washer etc and other is required for jointing and testing

joints to The specified pressure etc complete(PHSI NO:1 P-40)

Qty: 16.0 Joints @ Rs: 513/- Each Rs: 5208/-

G Total: Rs:512698/-

**Part-VIi Surface drains**

1. Excavation in foundation of building bridges and other

structure i/c dag belling refilling around the structure

with excavated earth watering ramming lead up to one

chain and lift up to 5 ft. (PH Sch. No.18 P.NO.4)

Qty. 4288.0 Cft @Rs.3176/25 P%0 Cft . Rs. 13,620/-

1. Cement concrete plain i/c placing compacting finishing

curing complete i/c screening and washing stone

aggregate w/o shuttering (CSI No.5(i) P.NO.17)

Qty. 997.0 Cft @Rs.11288/75 P% Cft . Rs. 1,12,549/-

**I (b) Ratio 1:2:4**

Qty. 159.72 Cft @Rs.14429/25 P% Cft . Rs. 23046/-

1. Pacca Brick work in foundation and plinth in cement

sand Ratio (1;6) (CSI No.7 P.NO.23)

Qty. 4443.75 Cft @Rs.11948/36 P% Cft . Rs.5,30,955/-

1. Construction of standard of open drains cunette block

of cement concrete 1:2:4 in situ to design profile i/c cost

of mould as per drawing i/c applying floating coat of

cement 1/32” thick to the exposed face finished smooth

curing etc complete as per detail drawing

(PHSI No.D P.NO.44)

Qty. 1400.0 Rft . @Rs.94/- P Rft . Rs.1,31,600/-

For type-II Drains

Qty. 200.0 Rft . @Rs.174/- P Rft Rs. 34,800/-

1. 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.7 P.NO.17)

Qty.108 Cft. @Rs.337/- P Cft Rs.36,396/-

1. 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(ii) P.NO.19).

Qty. 3.85 Cwt @Rs.5001/70 P cwt. Rs.19,257 /-

1. Cement plaster 1:4 12’ height ½” thick

(CSI No.11 P.NO.57)

Qty. 10412.50 Sft @Rs.2283/93 P% Sft. Rs.2,37,814/- Total Rs:

**Part-VII Brick Paverment**

1. Barrow pit excavation undressed lead up to 100 ft in

ordinary soil (CSI NO 3 (a) P.No 1)

Qty. 8250.0 Cft @Rs.2117/50 P%0 Cft. Rs.17469/-

2. Lying Earth in 6” layers & leveling dressing & Watering

for Etc complete. (CSI NO 3 (b) P.No 3)

Qty: Same as item no 01 = 8250.0 Cft

Qty: 8250.0 Cft @Rs.263/- P%0 Cft Rs.2,170/-

03. Extra every 50 ft additional lead or part therefore

(CSI No 8 (a) PNO 2 )

Qty: 8250.0 Cft @Rs.5039/- P%0 Cft Rs.41,572/-

04. Dry Brick adge paving sand grouted i/c praperation of

bed By Watering Reming and Bringing the same to Proper

camber By ½ ” thick mad plaster. CSI No: 5 P No: 40)

Qty. 2000.0 Sft @Rs3823/57 P% Sft Rs.76,471/-

Total Rs:

**(NIWARO) Part-I REPAR OF Surface drains**

1. **Excavation in foundation of building bridges and other**

**structure i/c dag belling refilling around the structure**

**with excavated earth watering ramming lead up to one**

**chain and lift up to 5 ft. (PH Sch. No.18 P.NO.4)**

**Qty. 1868.0 Cft @Rs.3176/25 P%0 Cft . Rs. 5,933/-**

1. **Cement concrete plain i/c placing compacting finishing**

**curing complete i/c screening and washing stone**

**aggregate w/o shuttering (CSI No.5(i) P.NO.17)**

**I (a) Ratio 1:4:8**

**Qty. 392.0 Cft @Rs.11288/75 P% Cft . Rs. 44,252/-**

**3. Construction of standard open drain concrete block of**

**cement concrete(1:2:4)in site to design profile i.e. cost**

**of mould as per drawing i/c applying Floating coat of**

**cement 1/32″ thick to the exposed face finished smooth**

**curring Etc. complete as per detailed drawing**

**(P.H.S.I NO:D P.NO:58)**

**Qty. 400.0 Rft @Rs.94/- P% Cft . Rs. 37600.00/-**

**For T-II drains**

**Qty. 200.0 Rft @Rs.174/- P% Cft . Rs. 34800.00/-**

**4. Pacca Brick work in foundation and plinth (1;6)**

**(CSI No.4 (e) P.NO.21)**

**Qty.5932.50 Cft @Rs.11948/36 P% Cft . Rs. 7,08,836/-**

**5. Cement plaster 1:4 20’ height ½” thick**

**(CSI No.11 P.NO.57)**

**Qty.13465.0 Cft @Rs.2283/93 P% Cft . Rs. 3,07,531/-**

**6. Reinforced cement concrete work i/c all labour and material**

**except the cost of steel reinforcement and its labour for bending,**

**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 work in roof slab beams columns rafts lintels and other**

**Structural memberlaid in situ or precost laid in postion complete**

**In all respect (i) ratio (1:2:4) 90 Lbs cement 2 Cft, 4 Cft shingles**

**1/8″ to 1/4″**

**Qty. 49.50 Cft @Rs:337/- P Rft . Rs.16,682/-**

**7. 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.8(b) P.NO.17).**

**Qty.1.76 Cwt @Rs.5001/70 P cwt. Rs.8,803 /-**

**SILT CLEARANCE:**

**8. Earth work excavation in ashes sand soft**

**soil or silt clearance Undressed lead up to**

**50’ ft. (CSI No:2 P No:1)**

**Qty:16687.23 Cft @Rs.5204/38 P%0 Cft Rs.86,847 /-**

**9. Extra lead for earth work, (CSI No: 15 P No:3 )**

**Qty:16687.23 Cft @Rs:1058/75 P%0 Cft Rs.17,667/-**

**10. 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: 1083.125 Cft @Rs:11900/- P%0 Cft Rs.12,889/-**

**11. Barrow pit excavation undressed lead upto 100 ft.(b)**

**In Ordinary soil with one miles extra lead.**

**(CSI No: 3 P No:1**

**Qty: 39963.04 Cft @Rs:2117/50 P%0 Cft Rs.84,622/-**

**12. Dressing and leveling of earth work to design section**

**etc. complete (b) Ordinary or hard soil.**

**(C.S.I NO :3(b) P.NO:3)**

**Qty:77580.0 Cft @Rs:263/- P%0 Cft Rs.14899/-**

**13.**  **Dry Brick adge paving sand grouted i/c praperation of**

**bed By Watering Reming and Bringing the same to Proper**

**camber By ½ ” thick mad plaster.**

**Ratio 1:4:8**

**Qty: 1800.0 Cft @Rs:3823/57 P%0 Cft Rs.68,824/-**

**14. Cement concrete plain i/c placing compacting finishing**

**curing complete i/c screening and washing stone**

**aggregate with/out shuttering (CSI No.5(i) P.NO.18)**

**Ratio 1:2:4**

**Qty. 450.0 Cft @Rs.14429/25 P% Cft . Rs. 64,932/-**

**15. Errection and removal of centering for R.C.C or plain**

**cement concerte.**

**(a) Vertical**

**Qty. 100.0 Sft @Rs.3127/41 P% Sft . Rs. 3,127/-**

**16. Fabrication of heavy steel work with angels, tees,flat**

**iron, round iron and sheet iron for making trusses,**

**griders,tanks etc i/c cutting tanks etc i/c cutting drilling**

**riverting,handing assembling and fixing byt excluding**

**errection in postion. (CSI No.2 P.NO.91)**

**Qty. 339.0 Sft @Rs.4928/49 P Cwt . Rs. 16708/-**

**17. providing & fixing C.I Main Hole cover with frame**

**i/c cost of material etc. (PHSI No.J (1) P.NO.35)**

**Qty. 1.0 Cwt @Rs.6985/- P Cwt . Rs. 6985/-**

**18. Errection & fixing in position of iron trusses staging**

**of water tanks etc. (C.S.I No.3 P.NO.91)**

**Qty.339.0 Cwt @Rs.271/04 P Cwt . Rs. 919/-**

**19. paccabrick work in foundation and plinth in cement**

**sand mortar( 1:6) (C.S.I No.4 (e) P.NO.21)**

**Qty.14.12 Cft @Rs.11948/36 P Cft . Rs. 1,687/-**

**20. Providing 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).**

**(P.H.S.I No.21 P.NO.16)**

**Qty: 184.0 Rft @Rs.515/- P.Rft Rs.94,760/-**

**21. 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(1.52m)**

**and lead up to one chain and (30.5m). (P.H.S.I: No.1)**

**For 18” dia Pipe**

**Qty: 1472.0 Cft . @Rs.3600/- P %0 Cft Rs. 5,299/-**

**22. 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: 736.0 Cft . @Rs.5400/- P %0 Cft Rs. 3,974/-**

**23. Refilling the excavated stuff in trench 6” layer i/c watering**

**Ramming to full compaction etc complete.**

**(P.H.S.I NO:24 P.No:77)**

**Qty: 1766.40 Cft. @Rs.2760/- P %0 Cft Rs. 4,875/-**

**15” dia pipe**

**Qty: 184.0 Rft . @Rs.515/- P . Rft Rs. 94760/**

**24. Extra for every 50” ft additional lead or part there of**

**Qty:39963.04 Cft. @Rs.5039/- P % Cft Rs.2,01,374/-**

**Total :- Rs:19,49,585/-**

**PART-II PUMPING MACHINERY (DIESEL ENGINE)**

1. **Supplying & installing in position transportation at site of work**

**Diesel Oil Engine(Golden) of 16 BHP 1450 RPM with Golden**

**Pump type (GSWG-103) SIZE 4”x3” Mounted On Common Steel**

**Frame Or Base plate capable of discharing 115 gallons per minute**

**against the head of 35 ft i/c installion of pumping set on CC**

**foundation Ratio(1:2:4) abd ratio(1:4:8) with ballast with M.S**

**steel nuts bolts of 5/8” dia to be embedded in CC foundation and**

**testing of the pumping set against the required head of 72 hours etc.**

**Qty: 1 set @Rs. 201000/- P set Rs.201000/-**

1. **Rewinding of A.C Electric Motor 10 BHP 3 phase 50 cycles 400/420**

**Volts of1450 RPM with best quality of copper wire of Required guage**

**Refilling and replaching the nuts if necessary i/c cost of worn out**

**Material (4 poles =1450) (CSI NO:279(e) P.NO:111 )**

**Qty: 1 set @Rs. 10599/- Each Rs.10599/-**

1. **Providing non –clogging pump type (GSWG-103 GOLDEN)**

**Size 4”x3” capable of discharging 08 gallons per minute against**

**A head 47 ft (M.R)**

**Qty: 1 set @Rs. 73400/- Each Rs.73400/-**

1. **Providing C.I coupling i/c coupling charges Golden.**

**Qty: 1 set @Rs. 17503/- Each Rs.17503/-**

1. **Providing & fixing motor control unit(MCU) with automatic star**

**Delta starter type will complete all accessories.(MEECO POND)**

**Qty: 1 set @Rs. 27000/- Each Rs.27000 /-**

1. **Providing internal electric wiring from mains with (19/0-0.064)**

**V.C insulated wire 660 volts grade in 40 mm (1/2”)PVC conduit**

**On surface as required (ESI No:1 P-5)**

**Qty: 76 Nala @Rs. 422/- P.Nala Rs. 32072/-**

**Total:- Rs:3,61,574/-**

**PART 1II P.E RISING MAIN 6: DIA**

1. **Dismantling and removing road mealling.**

**(CSI No:51 P. No: 14)**

**For 6” dia pipe Line**

**Qty:900.0 Cft @ Rs: 605/- P.% Cft Rs: 5445/-**

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

**trimming and dressing sides to true alignment and shape**

**leveling of beds of trenches to correct level and grade**

**cutting joints holes 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(1.52m)**

**and lead up to one chain (30.5m) (PHS 1: No. 1, P-46)**

**For 6” dia pipe Line**

**Qty:9600.0 Cft @ Rs: 3600/- P.% Cft Rs:34560/-**

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

**trimming and dressing sides to true alignment and shape**

**leveling of beds of trenches to correct level and grade**

**cutting joints holes 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(1.52m)**

**and lead up to one chain (30.5m) (PHS 14: No. 1, P-48)**

**For 6” dia pipe Line**

**Qty:1750.0 Cft @ Rs: 5400/- P.% Cft Rs:9450/-**

1. **Providing, laying & fixing in trench i/c fitting, jointing &**

**Testing etc complete in all respect the high density polythelene**

**PE pipes (HDPE-100) for water supply conforming ISO 4427 din**

**8074/5075 B.S 3380 & PSI3051(PHSI NO:F1 Page No:25)**

**P. No: 08**

**6” dia (160 mm)**

**Qty:1750.0 Rft @ Rs: 440/- P. Rft Rs:770000.00/-**

**d) 6 dia P.E Elbow**

**Qty2.00. Nos @ Rs:2784 /- P. Nos Rs:5568.0/-**

1. **Butt fusion joint 110 to 160 mm**

**Qty2.00. Nos @ Rs:1000 /- Each Rs:2000/-**

1. **Refilling the excavated stuff in trench 6” layer i/c watering**

**Raming to full compaction etc complete.**

**(P.H.S.I.D NO:24 P.NO:77)**

**Qty:11025.0 Cft @ Rs:2760 /- P %0 Cft Rs:30429/-**

**Total :- Rs: 857452/-**

**(UMB) Part-I REPAR OF Surface drains**

1. **Excavation in foundation of building bridges and other**

**structure i/c dag belling refilling around the structure**

**with excavated earth watering ramming lead up to one**

**chain and lift up to 5 ft. (CSI. No.18 (b) P.NO.4)**

**Qty. 3762.74 Cft @Rs.3176/25 P%0 Cft . Rs. 11,951/-**

1. **Cement concrete plain i/c placing compacting finishing**

**curing complete i/c screening and washing stone**

**aggregate w/o shuttering (CSI No.5 P.NO.16)**

**(a) Ratio 1:4:8**

**Qty. 828.18 Cft @Rs.11288/75 P% Cft . Rs. 93,491/-**

**3. Cement concrete plain i/c placing compacting finishing**

**curing complete i/c screening and washing stone**

**aggregate w/o shuttering (CSI No.5 P.NO.16)**

**(a) Ratio 1:2:4**

**Qty. 103.48 Cft @Rs.144229/25 P% Cft . Rs. 14932/-**

**4. Construction of standard open drain concrete block of**

**cement concrete(1:2:4)in site to design profile i.e. cost**

**of mould as per drawing i/c applying Floating coat of**

**cement 1/32″ thick to the exposed face finished smooth**

**curring Etc. complete as per detailed drawing**

**(P.H.S.I NO:D P.NO:58)**

**Qty. 997.0 Rft @Rs.94/- P. Rft Rs. 1,21,918/-**

**For T-II drains**

**Qty. 380.0 Rft @Rs.174/- P Rft Rs. 66,120/-**

**5. Pacca Brick work in foundation and plinth (1;6)**

**(CSI No.4 (e) P.NO.21)**

**Qty.7295.25 Cft @Rs.11948/36 P% Cft . Rs.8,71,663/-**

**6. Cement plaster 1:4 20’ height ½” thick**

**(CSI No.11 P.NO.57)**

**Qty16888.50 Sft @Rs.2283/93 P% Cft . Rs. 3,85,722/-**

**7. Reinforced cement concrete work i/c all labour and material**

**except the cost of steel reinforcement and its labour for bending,**

**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 work in roof slab beams columns rafts lintels and other**

**Structural memberlaid in situ or precost laid in postion complete**

**In all respect (i) ratio (1:2:4) 90 Lbs cement 2 Cft, 4 Cft shingles**

**1/8″ to 1/4″ (CSI. No:6(a)(i)P.No:17)**

**Qty. 90.0 Cft @Rs:337/- P Rft . Rs.30,330/-**

**8. 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.8(b) P.NO.17).**

**Qty.3.21 Cwt @Rs.5001/70 P cwt. Rs.16055 /-**

**SILT CLEARANCE:**

**9. Earth work excavation clearance Undressed with 1 mile extra lead.**

**(CSI No:1 P No:)**

**Qty:17611.59 Cft @Rs.5204/38 P%0 Cft Rs.91657 /-**

**10. 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: 1083.125 Cft @Rs:11900/- P%0 Cft Rs.12,889/-**

**11. Extra for wet earth work (GSI NO:15 P. NO:3)**

**Qty: 2624.09 Cft @Rs:1058/75 P%0 Cft Rs.10190/-**

**12. Cement concerte Brick or stone Ballast 1 ½” 2” Guage**

**(GSI No:5 P No:16 )**

**Ratio:1:2:4**

**Qty: 594.00 Cft @Rs:9416/28 P%0 Cft Rs.55933/-**

**13. Cement concerte plain i/c placing compacting finishing**

**curing complete i/c screening and washing stone aggregate**

**w/o shuttering (CSI No;5 P NO:16)**

**Qty. 450.0 Cft @Rs.14429/25 P%0 Cft . Rs. 64932/-**

**14. Errection and removal of centering for R.C.C or plain**

**cement concerte.**

**(a) Vertical**

**Qty. 100.0 Sft @Rs.3127/41 P% Sft . Rs. 3,127/-**

**15. Fabrication of heavy steel work with angels, tees, flat**

**iron, round iron and sheet iron for making trusses,**

**griders,tanks etc i/c cutting tanks etc i/c cutting drilling**

**riverting,handing assembling and fixing byt excluding**

**Errection in postion. (CSI No.2 P.NO.91)**

**Qty. 339.0 Cwt @Rs.4928/49 P Cwt . Rs. 16708/-**

**16. Providing & fixing C.I Main Hole cover with frame**

**i/c cost of material etc. (PHSI No.J (1) P.NO.35)**

**Qty. 1.0 Cwt @Rs.6985/- P Cwt . Rs. 6985/-**

**17. Providing 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.**

**(P.H.S.I No.2(f) P.NO.16)**

**For 15 dia pipe**

**Qty: 32.0 Rft @Rs.515/- P.Rft Rs.16480/-**

**15. 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(1.52m)**

**and lead up to one chain and (30.5m). (P.H.S.I: No.1 P.No:60)**

**Qty: 200.0 Cft . @Rs.5400/- P %0 Cft Rs. 1080/-**

**26. Refilling the excavated stuff in trench 6” layer i/c watering**

**Ramming to full compaction etc complete.**

**(P.H.S.I NO:24 P.No:77)**

**Qty: 180.0 Cft. @Rs.2760/- P %0 Cft Rs. 497 /-**

**G Total:- Rs:18,92,660/-**

**PART-II PUMPING MACHINERY**

1. **Supplying & installing in position transportation at site of work**

**Diesel Oil Engine(Golden) of 16 BHP 1450 RPM with Golden**

**Pump type (GSWG-103) SIZE 4”x3” Mounted On Common Steel**

**Frame Or Base plate capable of discharing 115 gallons per minute**

**against the head of 35 ft i/c installion of pumping set on CC**

**foundation Ratio(1:2:4) abd ratio(1:4:8) with ballast with M.S**

**steel nuts bolts of 5/8” dia to be embedded in CC foundation and**

**testing of the pumping set against the required head of 72 hours etc.**

**1x1.0 = 1 set**

**Qty: 1 set @Rs. 201000/- P set Rs.201000/-**

1. **Rewinding of A.C Electric Motor 10 BHP 3 phase 50 cycles 400/420**

**Volts of1450 RPM with best quality of copper wire of Required guage**

**Refilling and replaching the nuts if necessary i/c cost of worn out**

**Material (4 poles =1450) (CSI NO:279(e) P.NO:111 )**

**Qty: 1 set @Rs. 10599/- Each Rs.10599/-**

1. **Providing non –clogging pump type (GSWG-103 GOLDEN)**

**Size 4”x3” capable of discharging 08 gallons per minute against**

**A head 47 ft (M.R)**

**Qty: 1 set @Rs. 73400/- Each Rs.73400/-**

1. **Providing C.I coupling i/c coupling charges Golden.**

**Qty: 1 set @Rs. 17503/- Each Rs.17503/-**

1. **Providing & fixing motor control unit(MCU) with automatic star**

**Delta starter type will complete all accessories.(MEECO POND)**

**Qty: 1 set @Rs. 27800/- Each Rs.27800 /-**

1. **Providing internal electric wiring from mains with (19/0-0.064)**

**V.C insulated wire 660 volts grade in 40 mm (1/2”)PVC conduit**

**On surface as required (ESI No:1 P-5)**

**Qty: 12 Mela @Rs. 422/- P. Mela Rs. 5064/-**

**Total:- Rs:3,35,366/-**

**PART-III SCHEDULE ITEMS COMPOUND WALL**

1. **Pacca brick work in foundation and plinth 1:6.**

**(CSI No:4(e) P .No:21 )**

**Qty: 304.87 Cft @Rs. 27800/- P.% Cft Rs.36,427/-**

1. **Damp Proof Course with cement Sand and shingle Concerte**

**1:2:4 i/c 2 coab of Phaltic Mixture. (CSI No.28 P.NO.19)**

**3 “ thick**

**Qty.304.87 Sft @Rs.4982/18 P% Cft . Rs.15189/-**

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

**of joints up 20 ft. height (in cement sand mortar e )**

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

**Qty: 455.80 Cft @Rs. 12346/65 P.% Cft Rs.56276/-**

**4) Cement Plaster (1:4) up to 20 ” hight**

**thick (CSI -11(b)P-52) (b) ½” thick.**

**Qty: 1373.92 Sft @Rs.2283/93 P.% Sft Rs.31379/-**

**5) Cement pointing struck jointing in walls (b) 1:3**

**(CSI No19(b) P no 53)**

**Qty: 940.0 Sft @Rs.1213/58 P.% Sft Rs.11,408/-**

**6) RCC work in roof slab beam columns rafts lintels and**

**other structure member laid in citu or pre cost laid in**

**position making complete in all respect Ration 1:2:4**

**90 lbs. of cement cft. Of sand 4 cft of shingle ½**

**to ¼ guage (CSI No.6 P.No.17)**

**Qty: 51.50 Sft @Rs.337/- P.% Sft Rs.17,356/-**

**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) (CSI No.7 P.No.17)**

**Qty:2.06 Cft @Rs.5001/70 P. Cft Rs.10,304/-**

**8) 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.23 P.92).**

**Qty:48.0 Cft @Rs.726/72 P. Cft Rs.34,883/-**

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

**Qty. 1373.0 Sft @Rs.416/63 P% Sft. Rs.5724/-**

**10) Colour washing (b)two coat. (CSI No.26 (b) P.54).**

**Qty:2313.92 Sft @Rs.859/90 P.%Cft Rs.19,897/-**

**11) Painting New Surfaces**

**(d) Painting Guard bars iron bar gratings,railing including**

**standard braces (etc) and similar open work.**

**(CSI NO:5 (d) P.NO:06)**

**Qty:96.0 Sft @Rs.1489/68 P.% Sft Rs.1430/-**

**Total :- Rs:2,40,273**

**(Kharah )PART-I DISPOSAL WORK**

**Repair of Collecting Tank & Screening Chamber**

1. Bailing or pumping out sub soil water during excavation concreting cost is situ

concrete or masonry work in foundation etc (CSI No. 18 P. No. 52)

Qty. 2119.50 Cft. @Rs. 543/- P% Cft. Rs. 11,509/-

1. Cleaning of Collect tank/sump below grand level i/c dewatering of sullage water and

disposal of garbage solid waste outside the tank etc complete.(CSI No. 1 P. No. 33)

Qty. 1613.93 Cft. @Rs. 11900/- P%o Cft. Rs. 19,206/-

3 Extra for wet earth.(CSI No. 15 P. No. 17)

Qt. 1613.96 Cft. @Rs. 1058/75 P%0 Cft. Rs. 1,709/00

4 Extra for every 50 ft. additional lead or part thereof for earth work (CSI No.8 P.3)

Qt. 1613.96 Cft @Rs.729/60 P%0Cft. Rs. 1,178/-

5. Cement plaster 1:4 up to 20’ height ½” thick (CSI No.11 P.No.50)

Qty. 850.94 Sft @Rs. 2283/90 P% Sft. Rs. 19,435/-

6 Fabrication of heavy steel work with angle tees flate iron round steel iron trues girder tanks

etc i/c cutting revitting drilling bending assembling and fixing erecting in position excluding

erection in position. (CSI NO. 2, P. NO. 96)

Qty. 5.71Cwt @Rs. 4928/49 P.Cwt Rs. 28,142/-

7 Errection and fitting in position of iron trusses staging of water tank etc

Qty. 5.71Cwt @Rs. 271/04 P.Cwt Rs. 1,548/-

8 Providing and fixing in position i/c CC foundation 1:3:6 MS ladders of MS angle iron

2”x2”x1/4” 1’ part with MS anticrossive steel etc complete (CSI No.3 P.No.42)

Qt. 17.00 Rft @Rs.799/00 P.Rft. Rs. 13,583/-

Total = Rs. 96,310/-

**PaRt-II REPAIR OF PUMP HOUSE & STAFF QUARTER**

1 Removing cement or lime Plaster.( CSI No 53 P No: 14)

Qty. 3509.24 Sft @Rs. 58/08 P% Sft. Rs. 2,038/-

2 Brushing & Scraping blister of old paint from wood work.( CSI No 2 P No: 75)

Qty. 336.00 Sft @Rs.72/60 P% Sft. Rs. 224/-

3 Cement Plaster(1:4) up to 20 ft: Height 1/2 “thick.(CSI No 11.P.No. 57)

Qt.4301.24Sft @Rs.572/72 P%Sft Rs.24,636/-

4 Supplying fixing in position iron steel grill using sold square bars of size ¼” x ¼” etc complete (weight not to be less than 3.7 ibs/sq: foot of finished grill)

(CSI-No26- Page 97)

Qt. 61.25 Sft @Rs.115/47 P-Sft Rs.7073/-

5 Rough Cost Stucco cement plasters ¾” thick in proportion of 1:1 ½” 1 ½” in cement hill sand and bajri un patterns (CSI No: 32 P-No: 59)

Qt. 210.00 Sft @Rs.1071/62 P%Sft Rs.2250/-

6 Providing and laying 1” thick topping cement concrete (1:2:4) i/c surface finishing and deviding

in to panels

1” thick

Qty: 432.00 Sft @Rs.878/02 P%Sft Rs.3793/-

7 White washing (b) (Two coats) (CSI No 26.P.No. 59)

Qty: 4301 Sft @Rs.89/74 P%Sft Rs.3860/-

8 Primary coat of chalk under distemper (CSI No 23.P.No. 58)

Qty: 4301 Sft @Rs.58/85 P%Sft Rs.2531/-

9 Distempering (b) Two coat (CSI No 24.P.No. 59)

Qty: 4301 Sft @Rs.204/22 P%Sft Rs.8784/-

10 Painting old surfaces © Painting doors and windows any type two coat. (CSI No 4.(c )P.No. 75)

Qty: 336.0 Sft @Rs.550/36 P%Sft Rs.1849/-

Total: - Rs.57058/-

**PaRt-III internal & external**

**SURFACE DRAINS. TYPE I & II**

1. Earth work excavation undressed lead upto 1 single throw of Kassi, Phawrah or Shavel (a)

in ashes sand soft soil or silt clearance (CSI No. 1 (a) P. No. 1)

Qty: 32258.13 Cft @Rs: 1134/38 P% oCft Rs: 36,593/=

2. Extra for every 50’ft: additional lead or part therefore earth work soft or ordinary

Hard very hard. (CSI No.8 P.NO. 3)

Qty. 32258.13 Cft. @Rs.5039/- P%o Cft. Rs. 1,62,549/-

3. Removing of cement Plaster. (CSI No.53 P.NO. 14)

Qty. 10000.00Sft. @Rs.121/- P%Sft. Rs. 12,100/-

4 Excavation in foundation building bridges and other structure i/c dag bailing dressing refilling around the structure with excavated earth watering and ramming lead up to once chain and lift up to 5’ ft. (in ordinary soil) (CSI No.18 P.No.4)

Qt.2722.00 Cft @Rs.3176/25 P%0Cft Rs. 86,473/-

5. Cement concrete plain i/c placing compacting finishing curing complete i/c

screening & washing stone aggregate w/o shuttering (CSI No.5 P.No.13)

Ratio 1:4:8.

Qty. 907.50 Cft. @Rs. 11288/75 P% Cft. Rs. 1,02,445/-

6 Pacca brick work in ground floor in cement sand mortar 1:6 (CSI No.05 P.25).

Qt.11535.00Cft @Rs.11948/36 P%Cft Rs.13,78,243/-

7Dismantling c.c. reinforcement separating reinforcement from concrete cleaning&

straighting the same. (CSI. No. 20 P. No.16)

Qty. 305.10 Cft. @Rs. 5445/00 P.% Cft. Rs. 16,613/00

8 Construction of standard of open drains counette block of cement concrete 1:2:4 in situ to

design profile i/c cost of mould as per drawing i/c applying floating coat of cement 1/32”

thick to the exposed face finished smooth curing etc complete as per detail drawing.

(PHSI No. 6 P.NO.58)

Qty. 1500.0 Rft. @Rs. 94/- P Rft. Rs. 1,41,000/-

9. Cement plaster (1:4) up to 12’ height ½” thick (CSI No.11 P.No.57)

(a) Repair old Drain

Qty. 14723.0 Sft @Rs. 2283/93 P% Sft. Rs. 3,36,263/-

10. 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.96 P.No.8)

Qty. 276.60 Cft. @Rs. 337/00 P Cft. Rs. 93,046/-

11 Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and festering i/c cost of binding wire also i/c removal of rust from bars (CSI No.7(a) P.NO.16)

4 - 5 Lbs/Cft

Qt.9.87 Cwt @Rs.5001/70 P-Cwt . Rs.49,410/-

Total Rs.24,14,735/-

PART-IV brick pavement

01. Barrow pit excavation undressed led up to 100 Rft in ordinary soil (CSI No.3 P.1).

Qt. 8000.0 Cft @Rs. 2117/80 P%0 Cft. Rs. 16,940/-

02. Laying earth in 6” thick leveling & dressing etc. complete (CSI No.13 (a) P-3)

Qt. 8000.0 Cft @Rs. 354/- P%0Cft. Rs. 2,832/-

1. Extra for every 50 ft. additional lead or part thereof for earth work (CSI No.8 P.3)

Qt. 8000.0 Cft @Rs. 5039/- P%0Cft. Rs. 40,312/-

04 Supplying and filling sand under floor and plugging in wells (CSI No 29 P-30)

Qt. 2720.0 Cft @Rs. 1114/25 P%Cft. Rs.31,042/-

05 Dry Brick on edge paving sand grouted i/c preparation of bed boy watering remaining and

brining in the same to proper camber by ½” thick mud plaster. (CSI No 05 P-45)

Qt. 16000.0Sft @Rs. 3835/- P%Cft. Rs.613,600/-

Total:- Rs. 7,04,726/-

**Part-V P-E RISISNG MAIN 8” 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 joints holes and disposal work of surplus earth within one chain as directed by Engineer in charge providing fence guards, lights, flanges and temporary crossing for non vehicular traffic wherever required lift up to 5’ft. (1.50m) and lead up to one chain (30.50m) (PHSI No.18 P.No.60).

For 8” Dia

Qty: 6125.0 Cft @Rs.3600/00 P%0Cft Rs.22,050/00

2. Providing Laying P.E pressure pipes and comet joint of class ‘B’& fixing in

trenches i/c cutting fitting and jointing with rubber rings i/c testing with water to a head of 122 meter or 400 ft.(PHS I. No. 1 P.No.20)

8” Dia PN-08 (110 mm)

Qty: 700.0 Rft @Rs.224/00 P-Rft Rs.4,83,700/00

3. High Density P.E fitting (PE-100) Per each equivalent make

(SMI No: 13 P-18).

i) Elbow 90o (PN-8) 200 mm

Qty: 2.0 Nos @Rs.2069/- Each Rs. 4,138/-

4. Butt Fusion Joint. (SMI No: 11 P-20).

8” Dia

For Bend 8” Dia

Qty: 4.0 Joints @Rs. 1000/- Each Rs. 4,000/-

5. Falnge Adapter . .

8” Dia

Qty: 2.0 Joints @Rs. 1215/- Each Rs. 2,430/-

5 Refilling the excavated stuff in trenches in cement in 6” thick layers i/c watering trimming on full compaction etc complete (PHSI No.24 P.No.53).

90% of excavation.

Qty: 5512.50 Cft @Rs. 2760/- P%0cft Rs. 15,380/-

6 Cartage of PE Pipe of any class by mechanical transport i/c loading unloading and stacking at

Site lead 306 miles (PHSI. No. 3 P.No.5)

Qty: 700.0 Rft @Rs. 556/78 P.%Rft Rs. 390/-

Total. Rs. 5,32,088/00

**PART -VI (A)PUMPING MACHINARY 10 BHP**

1. Supplying & installing in position transportation at site of Drainage Scheme Kharrah Taluka ThariMir

wah District Khairpur Electric pumping Set 1450 RPM (Siemens) 1L.A7 1135/L AA60 made by

10 BHP 3-phase 50 cycles coupled KSB Non-Closing Pump size 3” x 2 1/2” mounted on common steel frame or base plate capable of discharging 60 gallons per minute against a head of 50 ft i/c installing of pumping set on CC foundation Ratio 1:4:8 and Ratio 1:2:4 with ballast with MS nuts and bolts of 5/8.5” Dia to be embedded in CC foundation i/c Providing & Fixing star delta starter complete with volt & over load release & required i/c providing & fixing on prepared board iron clad triple pole & natural switch fuse with rewire able type fuse link carried 500 volts grade 30 ampere & providing & fixing volt meter board accommodate main or sub main control switches recessed in the wall size 3”x2 ½ i/c providing phase indicating bulbs with holder & providing internal electric wiring for main switchwith 3.7/0-85 (7/0.036) PVC insulated wire 660 volts grade in 25 mm (1”) PVC required i/c providing & fixing earthing set with 0.6m x 6.3mm 2’x 2 ½ C.I plate buried in the ground at depth 3.7mm (12’)or less per Pak. PWD specification & testing of the pumping set against the required head or 72 hours etc complete.

Qty: 1Sets @Rs. 5,90,760/- P.Set Rs. 5,90,760/-

2 Supplying & installing Diesel engine set i/c transportation to site Drainage Scheme Allah Dad Burdi

Diesel Engine 16 BHP 2200 RPM i/c standard accession Diesel Engine Oil with KSB non clogging

pump type 65-250 size 3 x 2 ½” capable of 70 discharge per minutes a head of 40 ft mounted form are

based plate installing of pump set C.C foundation (Ratio 1:2:4) with CC stone 5/8 Dia to be embaded

in CC foundation plinth of the pumping set for 72 hours under actual condition etc complete

Qty: 1Set @Rs. 6,07,320/- P.Set Rs. 6,07,320/-

3 Rewinding of burnt A.C Electric Motor of 10 BHP i/c taking out the burnt motor from its fixed position rewinding with required gauge wire cotton sleaves tape verifying etc and refitting the motor testing to the full load etc complete

For Disposal work = ( 1 x 2 ) = 2 Sets

Qty: 2 Sets @Rs. 15,000/- P.Set Rs. 30,000/-

Repair of Pump

Qty: 2 Sets @Rs. 10,000/- P.Set Rs. 20,000/-

Total Rs. 12,48,000/-

(B) INTER CONNECTION (2 Sets)

1 Providing Laying & fixing in trench i/c fitting jointing & testing etc complete

In all respect the high density polyethylene PE pipes (HDPE-100) for W/S confirming ISO 4427/DIN 8074/8075 B.S 3580 & PSI 3051. (PHSI. No. 1 P.No.25)

(A) For Delivery 4” Dia Pipe

Qty. 36.00 Rft @Rs. 268/- P-Rft Rs. 9,648/-

(B) For suctions line 3” Dia Pipe

Horizontal

Qty. 34.00 Rft @Rs. 148/- P-Rft Rs. 5032/-

2. Supply Flange Adapter (M.R)

110 mm Dia

Qty. 2 Nos. @Rs. 1215/- Each Rs. 2,430/-

1. Supplying reflex value heavy pattern test pressure 21.0 kg/sq or CM or 300 Lbs Sq inch

(SMI-No. 6 P-11)

4” Dia

Qty. 2.00 Nos @Rs. 1706/25 Each Rs. 3,413/-

4. Sluice valve heavy pattern test pressure 21.0 kg/sq or CM or 300 Lbs Sq inch

(SRMI-No. 2 P-11)

4” Dia

Qty. 2.00 Nos @Rs. 5460/ Each Rs. 10,924/-

5. High Density-PE fitting (PE-100) equivalent make

Qty: 4 Nos: @Rs. 2069/- Each Rs. 8,276/-

6. Butt Fusion Joint. (SMI No H P-No 20)

Qty: 6 Joints @Rs. 1000/- P.Joint Rs.6,000/-

Total: - Rs. 46,638/-

For 2 sets = 2 x 46638 = 93,276/-

# abstract of cost

1. (A)PUMPING MACHINERY Rs. 12,48,000/-

. 2. (B)INTER CONNECTION Rs. 93,276/-

Total:Rs.13,41,356/-

RATE ANALYSIS

PUMPING MACHINARY 10 BHP

1 Supplying & installing in position transportation at site of Drainage Scheme Kharrah Taluka ThariMir

wah District Khairpur Electric pumping Set 1450 RPM (Siemens)1L.A7 1135/L AA60 made by

10 BHP 3-phase 50 cycles coupled KSB Non-Closing Pump size 3” x 2 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 installing of pumping set on CC foundation Ratio 1:4:8 and Ratio 1:2:4 with ballast with MS nuts and bolts of 5/8.5” Dia to be embedded in CC foundation i/c Providing & Fixing star delta starter complete with volt & over load release & required i/c providing & fixing on prepared board iron clad triple pole & natural switch fuse with rewire able type fuse link carried 500 volts grade 30 ampere & providing & fixing volt meter board accommodate main or sub main control switches recessed in the wall size 3”x2 ½ i/c providing phase indicating bulbs with holder & providing internal electric wiring for main switch with 3.7/0-85 (7/0.036) PVC insulated wire 660 volts grade in 25 mm (1”) PVC required i/c providing & fixing earthing set with 0.6m x 6.3mm 2’x 2 ½ C.I plate buried in the ground at depth 3.7mm (12’)or less per Pak. PWD specification & testing of the pumping set against the required head or 72 hours etc complete.

**UNIT PER SET**

1. Supplying AC electric motor 5.50 BHP (Siemens made) made 1450 RPM 400/420

volts 3 phase 50 cycles. (M.R)

Qty: 1.0No @Rs. 50694/- Each Rs. 50,694/-

1. Providing KSB sewerage Pump non clogging pump size 3” x 2 1/2” type (65-250) capable discharge

70 GPM against a head of 40 ft.(M.R)

Qty: 1.00 No @Rs. 4,92,953/- Each Rs. 4,92,953/-

3 Providing & fixing earthling set with 0.06 MM x 5/3” (2x2x1/2) copper buried out in the ground @ depth of 3.7 M (12 ft.) (ECI No .17.5 P/61)

Qty: 1.0 No @Rs. 2600/- Each Rs. 2,600/-

4 Providing & fixing with oil immersed star delta starter (MCU) for 10 BHP motor, automatic motor control unit a consist circuit magnetic conductor over load protection under/over loaded voltage protection Phase failure Protection AM meter with current transformer volt meter with potential transformer automatic delta starter change over switch control & power cable (3.19/1.53) (19/0.064) indication light & all the components are fixed a metallic dust & smoke proof box. (KSB made)

Qty: 1.00 No @Rs. 24,800/ Each Rs. 24,800/-

5. Making foundation of cement i/c placing compacting fishing and curing complete i/c ser and washing

of stone aggregate w/shutting (CSI No. 5 p/17)

Qty: 20.00Cft @Rs. 14429/25 P%Cft Rs. 2,886/-

6. Cement Bricks or stone ballast 1/2” to 2” gauge Ratio (CSI I-No. 4 (b) P-17)

Qty: 7.50Cft @Rs. 9416/28 P%Cft Rs. 706/-

7. Providing & Embedding M.S foundation nut and bolts of 3/4 ” dia (6Nos ) 250 long each half treated (SMI No .6 P/72 )

Qty: 8.32Lbs @Rs. 112/61 P.Lbs Rs: 937/-

8. Labour charge for pumping set inside pump house in correct arrangement and fixing etc.

Qty: 1.00day @Rs. 700/- P/day Rs: 700/-

9. Testing charges

(i) Pump Operator / Electrician

I No. for 4 day @Rs 450 Per day Rs: 1,800/-

(ii) Helper

I No. for 4 day @Rs 250 Per day Rs: 1,000/-

10. Mobile oil Gress and Cotton

I. Job @Rs 200 P.Job Rs: 200/-

11. Providing 7 internal electric wiring room main switch 3.7/084 (7/0.036) PVC insulated wire 660 volt

grade in 25 MM conduct on surface acquired (CSI No.30 P-5)

Qty: 36.00 Meters @Rs. 422/- P.Meter Rs: 5,064/-

**PART VII REPAIR OF COMPOUND WALL**

1. Scarping white wash or colour wash( CSI No. 54 (a) P.No. 13)

Qty: 1149.74Sft @Rs. 121/00 P% Sft Rs.1,391/-

1. Removing cement or lime Plaster.( CSI No 53 P No: 14)

Qty. 1149.74 Sft @Rs. 58/08 P% Sft. Rs. 6,068/-

1. Pacca brick work other than building i/c stricking of joints up ot 20 ft. height (in cement sand

mortar) Ratio 1:6 (CSI No.7 P.21).

Qty: 194.05Cft @Rs. 12346/64 P% Cft Rs.23,959/-

4 Cement plaster (1:4) up to 12’ height ½” thick (CSI No.11 P.No.57)

Qty. 2531.22 Sft @Rs. 2283/93 P% Sft. Rs. 57,811/-

5 White washing (b) (Two coats) (CSI No 26.P.No. 59)

Qty: 2531.22 Sft @Rs.425/84 P%Sft Rs.10,779/-

6 Colour washing (Two coats) (CSI No 25.P.No. 60)

Qty: 2531.22 Sft @Rs.859/90 P%Sft Rs. 21,766/-

Total Rs. 1,21,774/-

General Astract of Cost

Part-I Surface Drains Rs.9082987/-

Part-II Pumping Machinery Rs.3063692/-

Part-III P.E Rising Main Rs.1595674/-

Part-IV Compound wall Rs.922670/-

Part-V Brick pavement Rs.1068589/-

Part-Vi Screen Chamber Rs.27415/-

Part-Vii Inter Connection Rs.13732/-

Part-Viii Pump House Rs.124482/-

Part-IX Silt Clerarence Rs.61186/-

Part-X Repair of Disposal Work Rs.175068/-

Part-Xi Repair of Transformer Rs.127760/-

Part-Xii Operation & maintenance

for One Year Rs.1736745/-

Rs.18000000/-

C O N D I T I O N S

01. Any error / omission in the description of items of work rate original schedule

will correct accordingly under executive engineer Public Health Engineering

division II khairpur @ Ranipur .

02. 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 @ RANNIPUR |