SCHEDULE “B” REHABILITATION OF RURAL DRAINAGE SCHEME RAWTIANI TALUKA SINJHORO DISTRICT SANGHAR.

PART – I REPAIR OF C/TANK, S/CHAMBER, P/HOUSE & C/WALL.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.# | Description | Qty | Rate | Unit | Amount |

1. Cement plaster 1:6 upto 12’ height ½” thick. (G.S.I.NO: P/ )

4826.0 Sft Rs.2206/60 P% Sft Rs.106491/-

2. Cement plaster 1:4 upto 12’ height 3/8” thick. (G.S.I.NO: 11 (a) P/ 52 )

4826.0 Sft Rs.2197/52 P% Sft Rs.106052/-

4. Pucca brick work in other than building in cement sand mortor 1:6.

(G.S.I.NO: 7 P/ 22 ).

311.30 Cft Rs.12346/65 P% Cft Rs.38435/-

5. Making and fixing steel grated door with 1/16” thick sheeting i/c angle iron frame 2”x2”x3/8”x3/4” sq bars 4” center to center with locking arraignment

(GSI NO.24 P/92)

72.00 Sft @Rs. 726/72 P/Sft Rs. 52324/-

6. White washing one coats (GSI NO 26 p/54)

4826.0 Sft @Rs: 416/63 P% Sft Rs: 20107/-

7. Color washing two coats.(GSI NO 25 p/ 54 )

4826.0 Sft @Rs: 859/90 P% Sft Rs: 41499/-

8. Painting New Surface

painting door and windows any type (GSI No . 5 P/69)

3 Coats i/c edge

New

144.00 Sft @Rs. 2116/41 P% Sft Rs. 3048/-

Old

256.00 Sft @Rs. 1662/21 P% Sft Rs. 4255/-

9. Barrow pit excavation undressed lead upto 100’ ft (GSI NO 3 P/1)

6731.51 Cft @Rs: 2117/50 P%0 Cft Rs: 14254/-

10. Earth work compaction laying earth in 6” layers leveling dressing and watering for compaction etc complete (GSI NO 13 P/3)

6731.51 Cft @Rs: 354/- P% 0 Cft Rs: 2383/-

11. Cartage of earth (lead 2 miles).

6731.51 Cft Rs: 502/52 P% Cft Rs: 33827/-

12. Providing and laying 1” thick topping cement concrete 1:2:4 i/c surface

Finishing and dividing into panel.(G.S.I.NO:16 P/42) 2” Thick.

901.87 Sft @Rs.3275/50 P% Sft Rs.29541/-

Total Rs. 452216/-

PART – II REPAIR OF DRAINS.

1. Dismantling cement concrete reinforced separating rein for cement from concrete cleaning and straightening the same. (G.S.I.No;20 P/10).

344.85 @Rs.5445/- P% Cft Rs.18777/-

2. Dismantling brick work in lime or cement mortor. (G.S.I.NO:13 P/10).

525.00 Cft @Rs.1285/63 P% Cft Rs.6750/-

3. Earth work excavation undressed lead upto a single through of kassi phawrah or showvel in ashes sand soil or silt clearance.(G.S.I.NO:1 P/1).

10020.0 Cft @Rs.1134/38 P%0 Cft Rs.11366/-

4. Excavation in foundation of building and other structure i/c dag belling dressing refilling arround the structure with excavated earth watering and ramming lead upto one chain andlift upto 5’ (In ordinary soil) (GSI No: 18(b)P/5).

7260.0 Cft. Rs.3176/25 P% 0 Cft. Rs. 23060/-

5. Cement concrete plain i/c placing compacting finishing curing etc complete i/c screening and washing or stone aggregate without shuttering Ratio 1:4:8 (GSI No:5(i) P-16).

1815.00 Cft. Rs:11288/75 P% Cft. Rs: 204891/-

6. Pucca brick work in foundation and plinth in cement sand mortor 1:6.

(G.S.I.NO: 4 (e) P/21 ).

11625.0 Cft Rs.11948/36 P% Cft Rs.1388996/-

7. Construction of standerd open drains conute block of CC (1:2:4) in situ to design profile i/c cost of mould as per drawing i/c s/f cost of cement 1/32” thick to the exposed surface finishing smooth curing etc complete as detailed drawing (PHSI NO D P/58)

Type I

3000.0 Rft Rs: 94/- P/Rft Rs: 282000/-

8. Cement plaster 1:6 upto 12’ height ½” thick. (G.S.I.NO: 11 (b) P/ 52 )

26020.0 Sft @Rs.2283/93 P% Sft Rs.594279/-

9. RCC work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid seperatly. This rate also includes all kinds of forms mould lifting shuttering curring rendering and finishing the exposed surface (i/c screening and washing of shingle)a RCC work in roofs slabs beams columns rafts lintels and other structural members laid in situ or precast liad in position complete the all respect (I) Ratio 1:2:4 90 lbs cement 2cft sand 4 cft shingle 1/8” to ¼”guage.(GSI No: 6 (a) P-19).

599.64 Cft. Rs: 337/- P/Cft. Rs: 202079/-

10. Fabrication of mild steel reinforcement cement concrete i/c cutting bending laying in position and fastening i/c cost of binding wire etc.(GSI No:7(b)P-19)

21.41 Cwt. Rs: 5001/70 P/Cwt. Rs: 107086/-

Total Rs. 2839284/-

PART – IV P.V.C RISING MAIN

1. Excavation for pipe line and reservoirs in soft soil i/c trimming and dressing sides to alignment design section/profile and shape levelling of beds of trenches to correct level and grade i/c laying of earth in 6” layers of construction of tanks and crossing and disposal of surplus excavated earth with one chain as directed by Engineer incharge providing fence guards lights flages where-ever required lift upto 5’(1.52m) lead upto one chain (30.5m)( PHSI No:1 P/60).

14850.00 Cft. @Rs.3600/- P%0 Cft Rs. 53460/-

2. Excavation for pipe line and reservoirs in Wet soil i/c trimming and dressing sides to alignment design section/profile and shape levelling of beds of trenches to correct level and grade i/c laying of earth in 6” layers of construction of tanks and crossing and disposal of surplus excavated earth with one chain as directed by Engineer incharge providing fence guards lights flages where-ever required lift upto 5’(1.52m) lead upto one chain (30.5m)( PHSI No:1 P/66).

11137.50 Cft. @Rs. 5400/- P%0 Cft Rs. 60143/-

3. Providing P.V.C Pressure pipe and coment joint of class and fixing in trenches i/c Cutting fitting and jointing with rubber ring i/c cutting fitting and jointing with water to a head of 200’ ft (PHS.I.NO:d1 P/22).

6” dia 3300.0 Rft @Rs. 262/- P/Rft Rs. 864600/-

4 Providing cost iron Special for pressure pipe Class B(

i) Air Valve double action (Local) (SMI NO.8 P/13)

6” Dia 02 Nos. @Rs 4000/- Each Rs.8000/-

ii) C.I Bend 90 6” Dia

05 Nos. @Rs. 2212/50 Each Rs 11063/-

5. Jointing C.I MS flanged pipe and specials flanged and inside a trench i/c supplying rubber pecing of the required thickness nuts bolts with washer etc and other tools required for jointing and testing the joint to the specified pressure etc complete (PHSI No 1 P/35)

3” dia 1x2 = 2 Joints @Rs.499/- P/Joint Rs. 998/-

6” dia 2x2 = 4 Joints @Rs.938/- P/Joint Rs. 3752/-

6. Making joint to C.I special fitting (i/c laying) or required diameter and testing The joinmt along with AC pressure pipe lince to the specified pressure and making good to all leaky joint etc complete.(PHSINO: E1 P/80).

6” Dia 05 Nos. @Rs.72/- Each Rs.360/-

7. Fire Hydrent tee (PHSMI No.10 P/17)

6” dia 2.0 No @Rs. 1375/- Each Rs. 2750/-

8. Providing Chamber 2 ½ x2 ½ (750x750 mm ) inside dimension 4 ½ (1372mm) deep as per approved design for sluice valve 3” to 12” dia with 18” (457mm) dia inside cost iron cover and frame fixed in RCC 1:2:4 (102 mm ) thick brick masonry walls set in 1:6 cement mortar 6” (1115 mm) thick cement concrete 1:3:6 in foundation 1” (25 mm) thick cement concrete 1:2:4 flooring ½” (12.50mm ) thick cement plaster 1:3 to all inside wall surface and to top i/c providing and fixing MS foot rest at every one foot beyond 2 ½ ft depth curing excavation back filling and disposal of surplus earth etc complete

(PHSI NO.Q14 p/49)

2.0 Nos @Rs:18820/- Each Rs. 37640/-

9. Refilling the excavated stuff in trenches 6’’thick layer i/c watering ramming to full

compaction etc complete(PHS I No:24 p/77).

23388.75 Cft @Rs:2760/- P%0 Cft Rs. 64553/-

Total Rs. 1107319/-

**PART V ELECTRICAL FITTING for (Pump House & Staff Quarter)**

1. Wiring for light or fan point with (3.029) PVC insulated wire in 20 mm (3/4”) PVC Conduct on surface as required (ESI NO 123 P/15) for P.H / S.Q

12 Nos @Rs. 797/- Each Rs. 9564/-

2. Wiring for call bell with (3.029 PVC insulated wire in 20 mm (3/4” mm (1”) PVC conduct fitted (ESI NO 127 P/15)

1 Nos @Rs. 1380/- Each Rs. 1380/-

3. Wiring for plug point with (3.029 PVC Insulated wire in 20 (3/4” mm (1”) PVC conduct on surface as required (ESI NO 125 P/15)

2.0 Nos @Rs. 669/- Each Rs. 1335/-

4. Wiring for main with (7/0.36) PVC insulated wire in 4 mm (3/4”) PVC Conduct fitted (ESI NO 6 P/4)

100 Rft @Rs. 60/97 P/Rft Rs. 6097/-

5. Providing fixing surface type 3 pin 15 Amps SP Surface plug socket switch and shoe unit on metal board recessed in the wall or columns and covered with plastic sheet (ESI NO. 17 P/11)

4.0 Nos @Rs. 166/97 Each Rs. 667/-

6. Providing and fixing BC Brass center swiveling type batten holder (GSI NO 2 P/14)

2.0 No @Rs. 54/79 Each Rs. 110/-

7. Providing and fixing S.W canopy block and baklite ceiling rase and SW (ESI NO (D)3 P/14)

4.0 Nos @Rs. 44/- Each Rs. 176/-

8. Providing and fixing flush type electrical bell push button (ESI NO (G)23 P/12)

1.0 No @Rs. 25/19 Each Rs. 25/-

9. Providing and fixing AC or DC Electric bell 200/250 volts 70 mm (ESI NO 21 P/11)

1.0 No @Rs. 150/70 Each Rs. 151/-

10. Wiring for main with or sub main PVC insulated wire in 25 mm (1) PVC Conduct on surface (ESI NO 5 P/1)

100.0 Rft @Rs. 3298/- P/Rft Rs. 9295/-

11. Providing and fixing ceiling fen (56”) made pak i/c regular sewing board etc complete

(SEI No 235 P/34)

2.0 No @Rs. 3185/- P/Each Rs. 3670/-

15. Supplying and fixing energy sewer 40 watts super quality (SEI NO 6 P/33)

6.0 Nos @Rs. 209/- P/Each Rs. 1254/-

**Total Rs. 36430/-**

**Part-V Pumping Machinery**

1 Manufacturing and installing 6” MS pipe made out of MS sheet 3/16” thick cutting folding to curvature and shape i/c welding etc complete (Based on Sch: Rates) (R.A Approved). 4” dia for suction

47.0 Rft @ Rs.506/60 P. rft Rs.23810/-

2 Manufacturing and installing with welding MS flange 6” Dia made out of MS sheet 3/8” thick cutting drilling holes etc complete (RA approved Based on Sch: Rate).

4” dia 12.0 No @ Rs. 596/75 P. Each Rs. 7161/-

3 C.I Bend with flanged ends with holes i/c turning and facing of flanges for all size (SOMI No. 8 P-11)

4” dia

0.75 Cwt @ Rs.6096/- P. Cwt Rs. 4572/-

4. C.I Tee with one end flanged and spigot at the order ends for all size.

(PHSI No. P-11)

4”x4”x4”

0.24 Cwt @ Rs. 6096/- P/Cwt Rs. 1163/-

5. C.I Sluice valve heavy pattern (test pressure 300 lbs/ sq inch )(Imported)

(SOMI No. 2 P-11)

6” dia

2.0 Nos. @ Rs. 5460/- Each Rs.10920/-

6. C.I Foot valve heavy pattern with cone type gate (Imported) (SOMI No. 4 P-11)

4” dia 2.0 Nos. @ Rs. 893/75 Each Rs. 1788/-

7. C.I Reflex valve heavy pattern (Test( pressure 300 lbs /sq inch (SOMI NO. P- 11)

4” dia 2.0 Nos. @ Rs. 1706/- Each Rs.3413/-

8. Rewinding of Electric motor 20 BHP 2900 RPM (G.S.I.NO:97 P/110).

1 Set @Rs. 19825/- Each Rs. 19825/-

9. Repair of Pump KWP 265-315 Size 2 ½”x3” (Approved Rate)

1 Set @Rs. 10000/- Each Rs. 10000/-

10. Repair of Transformer 1 job 25 KVA (Approved Rate)

1 Job @Rs.66800/- Each Rs. 66800/-

11. Jointing C.I / M.S flanged pipes and specials flange and inside a trench i/c supplying rubber packing of the required thickness nuts bolts with was hers etc and other tools required for jointing and testing and testing the joint to the specified pressure etc complete (PHSI no. 1 P-40)

1” dia

19.0 Joint @ Rs. 513/- P Joint Rs. 8208/-

Total Rs. 157960/-

**PART-VI A.C.ELECTRIC MOTOR 7.50 BHP.**

1. Supplying installing and testing in position i/c transportation at site of Disposal work for Rural Drainage Scheme Rawtiani electric pumping sets consisting of AC Electric Motor 15 BHP (Siemens made) with KSB (KWP) non clogging centrifugal pump type (65-315) with flanged intermediate apiece directly coupled with Flexible coupling to Siemens induction totally enclosed for coupled 15 HP =/1450 RPM Horizontal electric motor suitable for 400 V/3 phase/50 HZ (Cycle mounted on common base steel frame with foundation nuts and bolts pump made of cost iron pump shaft of carbon steel impeller of cost iron suitable for flow rode of 480 gallon against a total head of 70 ft directly 15 BHP 4 poles Siemens horizontal electric motor i/c P/F MCU consists of circuit breakers magnetic i/c conductor over level protection under/over voltage protection phase failure protection of meter with current transformer volts meter with potential transformer automatic star delta charge over switch control and powers cables indicating lights and all these components are fixed in a automatic duct and smoke proof box i/c providing internal electric wiring for main with 3-19 /1.52 (10/0.964) PVC insolated wire 660 volts grade in 1” (25mm) PVC conduct on surface as required i/c P/F ear thing etc with (2’x2’x1/4’)(0.6x0.6x6.25 mm)G.I Plate buried in the ground at a depth of 12’ (3.7m) or less as per Pak P.W.D specification and testing of pumping set against a head of 100 hour sets complete.

P/Machinery 1x1=1 Set. Rs: 743860/- P/Set. Rs.743860/-

2. Manufacturing installing M.S pipe 4”dia made out MS sheet 3/18’ thick i/c cutting folding proper curvature shape welding etc complete.(S.O.M.I.No: iii P/32)

Delivery pipe

44.0 Rft. Rs.385/89 P/Rft. Rs.16979/-

3. M/I and furnishing M.S flanged ½”thick M.S sheet of required size drilling holes i/c cutting bending to correct shape welding etc complete. (S.O.M.I.No: iii P-33)

3”dia 8.0 Nos: Rs.500/89 Each. Rs: 2004/-

4. C.I Bend with flanged end with holes i/c turning and facing of flanges for all Sizes (P.H.S.I.No: 8 P-11).

Suction. Bend 90 4”dia 3”dia

0.525 cwt Rs: 6096/- P/Cwt. Rs: 3200/-

5. C.I Foot valve heavy pattern with cone type gate imported. (S.O..M.I.No: 4 P/16)

3”Dia. 1x1.0 =1.0 Nos: Rs. 731/25 Each. Rs.731/-

6. C.I Sluice valve heavy pattern (test pressure) 21 kg per sq: or 300 lbs/sq: inch (P.H.S.I.No: 1 P/9)

3”Dia. 1x 1. 1.0 Nos: Rs.4290/- Each. Rs. 4290/-

7. C.I Reflex valve heavy pattern (test pressure) 21 kg per sq: or 300 lbs/sq: inch (P.H.S.I.No: 1 P/9)

3”Dia. 2x 1. 1.0 Nos: Rs.1543/75 Each. Rs. 1544/-

8. 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. (P.H.S.I.No: 1 P/56)

3”Dia. 1x13=13 Joints. Rs.499/- P/Joint. Rs. 6487/-

Total:- Rs.781098/-

**ABSTRACT**

**PART – 1 REPAIR OF C/TANK, S/CHAMBER, P/HOUSE**

**& COMPOUND WALL Rs. 452216/-**

**PART – II REPAIR OF SURFACE DRAINS Rs. 2839284/-**

**PART – III A.C RISING MAIN Rs. 1107319/-**

**PART – IV ELECTRIC FITTING IN PH. & S.Q Rs. 36430/-**

**PART – V PUMPING MACHIMNERY Rs. 157960/-**

**PART – VI REPAIR OF PUMPING MACHINERY Rs. 781098/-**

**TOTAL Rs. 5374307/-**

**CONDITIONS.**

1. Any error omission in the specification quantity and unit will be governed by the relevant schedule items.
2. The rates should be inclusive of all taxes i.e sales tax octori tax etc.
3. No separate carriage will be paid to the contractor
4. No premium will be allowed for no-schedule items.
5. The decision of the Superintending Engineer, Public Health Engineering Circle Mirpurkhas will be final and binding the parties if in any dispute.

EXECUTIVE ENGINEER

PUBLIC HEALTH ENGG: DIVISION

SANGHAR