**SCHEDULE “B’**

**NAME OF WORK:- REHABILITATION OF RURAL DRAINAGE SCHEME CHAK NO:11 DISTRICT SANGHAR.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.NO. | ITEM OF WORK | QTY | RATE | UNIT | AMOUNT |

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

1. Dismentalling cement concrete reinforced separating reinforcement from cleaning and straightening the same (G.S.I.NO:20 /P10)

125.60 Cft @Rs.5445/- P% Cft Rs.6839/-

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

201.50 Cft @Rs.1285/63 P% Cft Rs.2591/-

3. Pucca brick work other than building in cement sand mortor (1:6)

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

607.00 Cft @Rs.12346/65 P% Cft Rs.74944/-

4. 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).

357.00 Cft. Rs: 337/- P/Cft. Rs: 120309/-

5. 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)

14.34 Cwt. Rs: 5001/70 P/Cwt. Rs: 71724/-

6. Barrow pit excavation undressed lead upto 100’ ft.(G.S.I.NO:3 P/1).

10127.93 Cft @Rs.2117/50 P%0 Cft Rs.21446/-

7. Earth work compaction layi8ng earth in 6” layers leveling dressing and watering for compaction etc complete (G.S.I.NO.1`3 P/3).

10127.93 Cft @Rs.354/- ` P%o Cft Rs.3585/-

8. Carriage of earth Lead 02 miles).

10127.93 Cft @Rs.502/52 P% Cft Rs.50895/-

9. Dry brick on edge paving sand grouted i/c preparation of bed by watering and ramming bringing the same to proper camber by ½” thick mud plaster.(GSI.NO:5 P/45)

6778.00 Sft @Rs.3823/57 P% Sft Rs.259162/-

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

5795.00 Sft Rs.2206/60 P% Sft Rs.127872/-

11. Cement plaster 1:6 upto 12’ height 3/8” thick. (G.S.I.NO: P/ )

5795.00 Sft Rs.2197/52 P% Sft Rs.127346/-

12. 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/-

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

5009.00 Sft @Rs: 416/63 P% Sft Rs: 20869/-

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

5009.00 Sft @Rs: 859/90 P% Sft Rs: 43072/-

15. Painting New Surface

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

3 Coats

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

17. Providing and laying Hala or pattern tiles glazed 6”x6’x1/4” on floor or wall facing in required floor and pattern of STILE specification jointed in white cement and pigment over a base of 1”2 grey cement mortar ¾” thick i/c washing and fillng of joint with slurry of white cement and pigment in desired shape with finishing cleaning and cost of wax polish etc complete i/c cutting tiles of proper profile.(GSI No.61 P/48)

112.00 Sft @Rs. 47651/56 P% Sft Rs. 53370/-

Rs.1039396/-

**PART-II PUMP HOUSE & STAFF QUARTER**

1. Dismantling cement concrete reinforcement separating reinforcement from concrete cleaning and straightening the same. (GSI NO 20 P/10)

101.68 Cft @Rs: 5445/- P% Cft Rs: 5536/-

3. Dismantling brick work lime or cement mortar (GSI NO 13 P/10)

Raising of Pump House & Staff Quarter

317.62 Cft @Rs. 1285/63 P% Cft Rs. 4083/-

4. Removing Cement or lime plaster (GSI No 53 P/13)

132.00 @Rs. 121/- P% Sft Rs.160/-

5. Pucca brick work in ground floor in cement sand mortar ratio (1:6)

(GSI No. 5 (e) P/25)

335.19 Cft @Rs. 12674/36 P% Cft Rs. 42483/-

5. Filling watering and ramming earth under floor with new earth excavated from out site lead upto 1 chain and lift upto 5’ ft (GSI No 22 P/4)

576.0 @Rs. 3630/- P%0 Cft Rs. 2091/-

9, Cement concrete brick or stone ballast 1 ½” to 2” guage (GSI No:4,(b)P/15).

Ratio 1:4:8.

68.64 @Rs. 9416/28 P% Cft Rs. 6463/-

10. 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)

28.00 Sft @Rs. 726/72 P/Sft Rs. 20348/-

11. Fabrication of heavy steel work with angels tees flat iron round iron and sheet iron for making trusses graders tanks etc i/c cutting reverting handling assembling and fixing but excluding erection in position. (GSI NO.2 P/91)

3.05 Cwt @Rs. 4928/49 P/cwt Rs. 15032/-

15. S/F in position iron steel trill of ¾” x1/4” size flate iron of approved design i/c painting 3 coats etc complete (weight not less them 3.7 Lbs /sq ft of finished) (GSI No. 30 P/94)

3x3x4.0 = 36.0 Sft Rs. 180/50 P/Sft Rs. 6498/-

15. 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-17).

162.00 Cft @Rs: 337/- P/ Cft Rs: 54594/-

16. Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastenings i/c cost of binding wire (also includes removal of rust from bars (GSI NO 8 (b) P/17)

6.50 Cwt @Rs: 5001/70 P/ Cwt Rs: 32511/-

12. Providing laying 2” thick topping cement concrete 1:2;4 i/c surface finishing and dividing into panels (GSI No.16( c) P/42)

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

7. Cement plaster (1:6) up to 12’ height 1/2” thick(G.SI No:11(b) P/52

2212.74 Sft. @Rs.2206/60 P% Sft. Rs.48826/-

8. Cement plaster (1:4) up to 12’ height 1/2” thick(G.SI No:11(b) P/52

2212.74 @Rs.2197/52 p% Sft Rs.48625/-

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

2157.75 Sft @Rs: 416/63 P% Sft Rs: 8990/-

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

2157.75 Sft @Rs: 859/90 P% Sft Rs: 18554/-

13. Painting New Surface

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

3 Coats

256.00 Sft @Rs. 2116/41 P% Sft Rs. 5418/-

14 White washing three coats (GSI NO 26 p/54)

509.25 Sft @rs.829/95 P% Sft Rs.4227/-

Rs.353980/-

**PART – III P.E RISING MAIN 4” DIA**

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).

20700.00 Cft. @Rs.3600/- P%0 Cft Rs. 74520/-

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).

15525.00 Cft. @Rs. 5400/- P%0 Cft Rs. 83835/-

3. Providing Laying & Fixing in trenches i/c fitting jointing & Testing etc complete in all respect the high density Polythyene PE pipes (HDPE-100) for water supply confirming ISO 4427/DIN8074/8075 B.S 3580 & PSI 3051 (PHS.I.NO:F 1 P/25).

6” dia 4600.0 Rft @Rs.440/- P/Rft Rs. 2024000/-

4 Providing P.E Joint fitting

i) Bend 6” Dia 90

1x4=4 Nos @Rs.3480/- Each Rs.13920/-

ii) P.E Tee

6” Dia 02 Nos. @Rs,4175/- Each Rs.8350/-

iii) Butt fusion Joint.(P.S.I.NO:8 P/13)

06 Nos. @Rs,1000/- Each Rs,6000/-

iv) Air Valve Double acting local. (P.H.S.I.NO:8 p/13)

02 Nos @Rs.4000/- Each RS.8000/-

v) Fire Hydrent Tee

02 Nos @Rs,1375/- Each Rs.2750/-

6. 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/-

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

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

32602.50 Cft @Rs:2760/- P%0 Cft Rs. 89983/-

Rs.2348998/-

**PART-IV REPAIR OF SURFACE DRAIN I/C BRICK PAVEMENT.**

1. 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/4).

7820.0 Cft @Rs.3176/25 P% Cft Rs.24838/-

2. Earth work excavation in ashes sand softr soil or silt clearance undressed lead upto50’ft.

(G.S.I.NO:2 P/1)

2430.47 Cft @Rs.1663/75 P%0 Cft Rs.4043/-

3. Cleaning of Collecting Tank / Sump below ground level.(P.H.SI.NO:18 P/75)

1923.25 Cft @Rs.11900/- P%0 Cft Rs.22887/-

4. Dismenteling cement concete reinforcement separating reinfor cement from concrete cleaning and straightening the same.(GSI.NO:20 P/10)

409.28 Cft @Rs.5445/- p% Cft Rs.22285/-

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

1339.00 Cft @Rs.1285/63 P% Cft Rs.17221/-

7. Dismantling lime or cement concrete (GSI.NO:18 P/10)

721.43 Cft @Rs.3176/25 P% Cft Rs.22914/-

8. Cement concrete plain i/c placing compacting finishing curing etc complete i/c screening and washing of stone aggregate with out shuttering. Ratio 1:4:8. (GSI No: 5(i) P-17).

1885.00 Cft @Rs.11288/75 P% Cft Rs.212793/-

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

(GSI.NO: P/ )

39037.00 Cft @Rs.11948/36 P% Cft Rs.4664281/-

9. 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

2000.0 Rft Rs: 94/- P/Rft Rs: 188000/-

Type – II

900.0 Rft @Rs.174/- P/Rft Rs.156600/-

10. Cement plaster 1:4 upto 12’ height ½” thick. (G.S.I.NO: P/ )

52113.00 Sft @Rs.2283/93 P% Sft Rs.1875403/-

11. 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).

410.77 Cft. Rs: 337/- P/Cft. Rs: 138429/-

12. 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)

14.67 Cwt. Rs: 5001/70 P/Cwt. Rs: 73375/-

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

24000.0 Cft Rs: 2117/50 P%0 Cft Rs:50820/-

14. Earth work compaction laying earth in 6” layers leveling dressing and watering for compaction etc complete (GSI NO 13 P/4)

24000.00 Cft Rs: 354/- P% 0 Cft Rs:8496/-

15 Dry brick on edge paving sand grouted i/c preparation of bed by watering and ramming bringing the same to proper camber ½” thick mud plaster (GSI.NO:5 P/45).

2000.0x10.0 =20000.0 Sft Rs.3823/57 P% Sft Rs.764714/-

16 Earth work (Lead Two mile).

24000.0 Cft Rs.502/52 P% Cft Rs.120605/-

RS.8367705/-

**PART-V A.C.ELECTRIC MOTOR 10 BHP & DIESEL ENGINE 16 BHP.**

1. Supplying installing and testing in position i/c transportation at site of Disposal work for Rural Drainage Padri Goth electric pumping sets consisting of AC Electric Motor 10 BHP (Siemens made) with KSB (KWP) non clogging Sullage pump type (65-315) with flanged intermediate apiece directly coupled with Flexible coupling to Siemens induction totally enclosed for coupled 7.5 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 97 GPM against a total head of 100 ft directly 7.5 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. (R.A Attached).

P/Machinery 1x1=1 Set. Rs: 743920/- P/Set. Rs.743920/-

Diesel Engine 1x1=1 Set. Rs: 558560/- P/Set. Rs.558560/-

1. 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)

Suction pipe.3” Dia

50.0 Rft. Rs.385/89 P/Rft Rs.19295/-

4”dia.

17.00 Rft. Rs.506/60 P/Rft. Rs.8612/-

3. M/I 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

4.0 Nos: Rs.500/89 Each. Rs: 2004/-

4” Dia 6 Nos Rs.596/75 Each Rs.3581/-

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

0.825 Cwt. Rs: 6096/- P/Cwt. Rs: 5029/-

5. C.I Tee flanged end with holes i/c turning and facing of flanges for all sizes. (P.H.S.I.No: II M) P/11)

4”x 4”x 4”

0.225 Cwt. Rs: 6096/- P/Cwt. Rs: 1372/-

6. 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. 2.0 Nos: Rs.1543/75 Each. Rs. 3088/-

7. 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. 2x 1. 2.0 Nos: Rs.4290/75 Each. Rs. 8580/-

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

3”Dia. 1x20.0 =20.0 Nos: Rs.731/25 Each. Rs.1463/-

9. 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)

4”Dia. 07 Joints. Rs.513/- P/Joint. Rs. 3591/-

3” Dia 16 Joint Rs.499/- P/Joint Rs.7984/-

10. C.I Tappers flate bottom or central tapered flanged end with holes i/c turning and facing of flanges for all size (B.M.I.No:9 p/13)

0.206 Cwt Rs.6096/- P/Cwt. Rs.1256/-

Total:- Rs.1368335/-

**PART -VI ELECTRICAL FITTING FOR P.HOUSE & STAFF QUARTER.**

1. Wiring for light or fan point with 1/1 1.13 (3.029) PVC insulated wire in 20 mm (2”) PVC Conduct on surface as required (ESI NO 1 P/1)

for P.H / S.Q

1x12 = 12 Nos @Rs.797/- Each Rs. 9564/-

2. Wiring for call bell with 1/1 1.3 (3.029 PVC insulated wire in 25 mm (1” 25 mm (1”) PVC conduct fitted (ESI NO 5 P/1)

1x1 = 1 Nos @Rs. 1380/- Each Rs. 1380/-

3. Wiring for plug point with 1/1 1.13 (3.029 PVC Insulated wire in 25 (1” 25 mm (1”) PVC conduct on surface as required (ESI NO 1 P/1)

1x2.0 = 2 Nos @Rs. 669/- Each Rs. 1338/-

4. Wiring for main with 2-7/0.85 (7/0.36) PVC insulated wire in 25 mm (1) PVC Conduct fitted (ESI NO 6 P/4)

1x100 = 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)

2x2= 4 Nos @Rs. 166/97 Each Rs. 667/-

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

1x2 =2 No @Rs. 54/79 Each Rs. 110/-

7. Providing and fixing S.W canopy block shed for 228 mm (9”) sweep exhaust fan complete as required (ESI NO (D)3 P/14)

1x4 = 4 Nos @Rs. 44/- Each Rs. 176/-

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

1x1 = 1 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)

1x1 = 1 No @Rs. 150/70 Each Rs. 151/-

10. Wiring for main with 2-7/1.04 (7/0.44) PVC insulated wire in 25 mm (1) PVC Conduct fitted (ESI NO 19 P/25)

1x100 = 100 Rft @Rs. 92/98 P/Rft Rs. 9298/-

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

(SEI No 9 P/14)

1x2 = 2 No @Rs. 3185/- P/Each Rs. 6370/-

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

1x6 = 6 Nos @Rs. 209/- P/Each Rs. 1254/-

Total Rs. 36430/-

**ABSTRACT OF COST.**

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

**& COMPOUND WALL Rs.1039396/-**

**PART – II REPAIR OF PUMP HOUSE & S/QUARTER Rs.353980/-**

**PART – III P.E PIPE RISING MAIN 4” DIA Rs.2348998/-**

**PART – IV CONSTT: & REPAID OF SURFACE DRAIN Rs.8367705/-**

**PART – V PUMPING MACHINERY Rs.1368335/-**

**PART – VI ELECTRIC FITTING (2 NOS) Rs.36430/-**

**TOTAL Rs.**

**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.*

Contractor EXECUTIVE ENGINEER

PUBLIC HEALTH ENGG DIVISION

SANGHAR