***SCHEDUEL “B” REHABILITATION OF RURAL WATER SUPPLY***

***SCHEME ALI GUL KALOI DISTRICT SANGHAR.***

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

**Part-I Storage tank.**

1. Earth work Excavation in ashes sand soft soil of silt clearance undressed lead upto 50’ ft (GSI No. 1 (a) P/1) Silt clearance

19195.0 @Rs. 1134/38 P%0 Cft Rs. 21774/-

2. Pucca brick worik in foundation and plinth in cement sand mortor (1:6) (GSI No:4(e)P/221

382.50 Cft @Rs. 11948/36 P% Cft Rs. 45702/-

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

3263.17 Sft. @Rs.2283/93 P%Sft. Rs. 74523/-

4. Cement pointing struck joint on wall ratio 1:3 (GSI No.19 9b) P/53)

7067.20 Sft @Rs.1213/58 P% Sft Rs. 85766/-

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

4200.0 Cft @Rs: 2117/50 P%0 Cft Rs: 8894/-

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

4200.0 Cft @Rs: 354/- P% 0 Cft Rs: 1487/-

7. Cement concrete brick or stone ballast 1 ½” to 2 guage ratio 1:4:8 (GSI No. P/ )

808.50 Cft @Rs: 9416/28/- P% Cft Rs: 76131/-

9. Cement concrete plain i/c placing compacting finishing curing etc complete i/c screening and washing of stone aggregate with out shuttering. Ratio 1:2:4. (GSI No: 5(i) P-17).

2021.50 Cft. Rs.14429/25 P% Cft. Rs. 291687/-

10. RCC work i/c all labor and material except the cost of steel reinforcement and Its labor for bending and binding which will be paid separately. This rate also Includes all inds of forms mould lifting shuttering curing rendering and finishing the exposed surface (i/c screening and washing of shingle)a RCC work in roofs slabs beams column srafts lintels and other structural members laid in situ or precast laid 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).

27.0 Cft. Rs: 337/- P/Cft. Rs.9099/-

11. 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)

1.08 Cwt. Rs: 5001/70 P/Cwt. Rs. 5402/-

12. White washing one coats (GSI No:26,P/54).

3263.17 Sft RS.416/63 P% Sft Rs.13595/-

13. Color washing two coats (GSI No:25,P/54)

3263.17 Sft Rs:859/90 P% Sft Rs: 28060/-

RS. 662120/-

**PART-II FEEDING CHANNEL**

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).

2400.0 Cft. Rs.3176/25 P% 0 Cft. Rs. 7623/-

2. 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).

600.0 Cft. Rs:11288/75 P% Cft. Rs: 67733/-

3. Pucca brick worik in foundation and plinth in cement sand mortor (1:6) (GSINo:4(e)P/21)

1500.0 Cft Rs: 11948/36 P% Cft Rs: 179225/-

4. Cement concrete plain i/c placing compacting finishing curing etc complete i/c screening and washing or stone aggregate without shuttering Ratio 1:2:4 (GSI No:5(i) P-16).

150.0 Cft. Rs: 14429/25 P% Cft. Rs: 21644/-

5. Cement plaster (1:6) upto 12’ height 1/2” thick.(GSI No:11(b)P/52).

3200.0 Sft Rs: 2206/60 P% Sft Rs: 70611/-

6. Cement plaster (1:4) upto 12’ height 3/8” thick.(GSI No:11(b)P/52).

3200.0 Sft Rs: 2197/52 P% Sft Rs: 70321/-

Total Rs. 417157/-

**Part- III Pumping Machinery**

1. Supplying and installing position i/c transportation to site @ Ali Gul Kaloi water supply scheme, pumping set of 2900 RPM (Siemens) made Type (IIA-7-113-4AA60) 5.50 BHP electric motor 3 phase 50 cycles 100/33 volts with KSB pump ETA 50-160 type KSB Norm 4”x3” mounted on common steel frame on base plate (Capable of discharge 170 GPM against the required head of 60 ft i/c installed on cement concrete ratio 1:2:4 MS nuts and bolts of ¾” dia to be embedded in cement concrete foundation providing fixing MCU star delta starter buried the ground at depth of 3/7m (12 ft) as per pak PWD specifications and testing pumping set against the required head for 72 hours etc complete

2.0 Sest @Rs. 267650/- P. Set Rs. 535300/-

2 M/I M.S pipe made out of MS Sheet 3/16” thick cutting folding to curvature and shape i/c welding etc complete. (RAA Based on Schedule)

3” dia

60.0 Rft @ Rs. 385/89 P. Rft Rs. 23153/-

4” dia

17.0 Rft @ Rs. 506/60 P. rft Rs. 8612/-

3 Manufacturing Installing M.S flanged made out M.S sheet 3/8” thick cutting drilling holes etc complete (RAA Based on Schedule)

3” dia

12.0 No @ Rs. 500/89 P. Each Rs. 6011/-

4” dia

6.0 No @ Rs. 596/75 P. Each Rs. 3581/-

4 C.I Bend with flanged ends with holes i/c turning and facing of flanges for all size (SOMI No. 8 P-13)

0.95 Cwt @ Rs. 6096/- P. Cwt Rs.5791/-

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

(PHSI No. 12 P-13)

4”x4”x4” 0.48 Cwt @ Rs. 6096/- P/Cwt Rs. 2926/-

6 C.I Sluice valve heavy pattern (test pressure 300 lbs/ sq inch ) Improted (SOMI No. 2 P-9)

4” dia 3.0 Nos. @ Rs. 5460/- Each Rs. 16380/-

7 C.I Foot valve heavy pattern with cone type gate (Imported) (SOMI No. 4 P-10)

3” dia 3.0 Nos. @ Rs. 731/25 Each Rs. 2194/-

8. C.I Reflex valve heavy pattern (Test( pressure 300 lbs /sq inch (SOMI NO. P- 10)

4” dia 3.0 Nos. @ Rs. 1706/25 Each Rs 5119/-

9 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)

3” dia

1x9 = 9 Joint @ Rs. 499/- P Joint Rs. 4491/-

4” dia

1x18 = 18 Joint @ Rs. 513/- P Joint Rs. 9234-

Total Rs. 622792/-

***PART-IV DISTRIBUTION***

# 1. Excavation for pipe line and reservoirs in soft soil i/c trimming and dressing sides to alignment design section/profile and shape leveling 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 flags where-ever required lift up to 5’(1.52m) lead up to one chain (30.5m)( PHSI No:1 P/60).

19140.00 Cft. @Rs. 3600/- P%0 Cft Rs. 68904/-

# 2. Excavation for pipe line and reservoirs in Wet soil i/c trimming and dressing sides to alignment design section/profile and shape leveling 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 flags where-ever required lift up to 5’(1.52m)lead up to one chain (30.5m)( PHSI No:14 P/66).

9795.00 Cft. @Rs. 5400/- P%0 Cft Rs. 52893/-

3. Providing PVC pipe of class B fixing in trenches i/ cutting fitting and jointing with solvent cement i/c testing with water to a head of 61 meter or 200’ ft (2’ Joint) (from approved manufacturing) serhed plasting( R.A approved base on schedule rates) (PHSI No.1 P/22)

6” dia 200.0 Rft @Rs. 262/- P/Rft Rs. 52400/-

4” dia 4000.0 Rft @Rs. 137/- P/Rft Rs. 548000/-

3” dia 560.0 Rft @Rs. 90/- P/Rft Rs. 50400/-

4 PVC Z Joint fitting for pressure pipe Class B (PHSI (M) No.18 P/28)

i) Bend 90 3” dia 1.0 Nos @Rs. 731/- Each Rs. 731/-

ii) Bend 4” dia 1x4 = 4.0 Nos @Rs. 956/- Each Rs. 3824/-

iii) Sluice valve 6” dia 1x1=1 Nos@Rs. 9360/- Each Rs. 9360/-

iv) Sluice valve 4” dia heavy pattern test pressure 21 Kg sq inch (SMI No.2 P/11) 1x8=8 1.0 Nos @Rs. 5460/- Each Rs. 5460/-

v) Sluice valve 3” dia 1x1=1 Nos@Rs. 4290/- Each Rs. 4290/-

vi) Tail piece 6” dia 1x2 = 2 Nos @Rs. 618/75 Each Rs. 1238/-

(SMI No. 9 P/15)

vii) Tail Piece 4” dia 1x2 = 2 Nos @Rs.487/50 Each Rs.975/-

vii) Tail piece 3” dia 1x8 = 8 Nos @Rs. 375/- Each Rs. 3000/-

viii) Gibalt joint (SMI No. 14 P/18)

6” dia 1x4 = 4.0 No @Rs. 1062/50 Each Rs. 4250/-

4” dia 12 Nos @Rs. 731/25 Each Rs. 8775/-

3” dia 32 Nos @Rs. 568/75 Each Rs. 18200/-

5. Making jointing to PVC specials fitting i/c laying of specials and cot of solvent cement of required diameter and testing the joint alongwith the PVC pipe line B” C” & D” class to the specified pressure and making good to all leaky joint etc complete (PHSI NO 1 P/41)

i) 4” dia 1x4 = 4.0 Joint @Rs. 70/- P/Joint Rs. 280/-

iii) 3” dia 1x1 = 1.0 Joint @Rs. 59/- P/Joint Rs. 59/-

6. Jointing IC 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/40)

6” dia 5 Joints @Rs. 938/- P/Joint Rs. 4690/-

4” dia 13 Joints @Rs. 513/- P/Joint Rs. 6669/-

3” dia 33 Joints @Rs. 499/- P/Joint Rs. 16467/-

7. 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 1 p/49) New

3.0 Nos @Rs: 18820/- Each Rs. 56460/-

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

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

26041.50 Cft @Rs: 2760/- P%0 Cft Rs. 71875/-

Grand Total Rs. 986950/-

**PART V ELECTRICAL FITTING**

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. 32/98 P/Rft Rs. 9298/-

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. 6370/-

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/-**

***ABSTRACT***

***PART-I STORAGE TANK Rs.662120/-***

***PART-II FEEDING CHANNEL Rs. 417157/-***

***PART-III PUMPING MACHINERY Rs. 622792/-***

***PART-IV PVC DISTRIBUTION Rs. 986950/-***

***PART-V ELECTRIC FITTING Rs. 36430/-***

***Total Rs. 2725449/-***

**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