***SCHEDULE “B” REHABILITATION OF RURAL WATER SUPPLY SCHEME JAN MUHAMMAD KALOI DISTRICT SANGHAR***

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

**Part-I Repair of Storage tank**

1. Jungle clearance of removing with in 100 ft (a) light (GSI No 4 (a) P/95)

6750.0 Sft @Rs. 75/63 P%0 Sft Rs. 511/-

2. Hire charges of pumping set of upto 10 BHP (but not less than 5 H.P ) pumping

Out water from 10 ft deep trench (PHSI No. 23(iv) P/77)

16 Days @Rs: 1000/- P/Day Rs: 16000/-

3. Earth work Excavation in ashes sand soft soil of silt clearance undressed lead upto 50’ ft (GSI No. 2 P/1)

35846.16 Sft @Rs. 1663/75 P% 0Cft Rs. 59639/-

4. Extra for every 50’ ft additional lead or part of tank and reservoirs for earth work

(Soft ordinary,Hard or Very Hard)(g.s.i.no:8(a) p/2)

35846.16 Cft @Rs.3023/40 P%0 Cft Rs.108377/-

5. 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-18) .

3250.0 Cft @Rs. 14429/25 P% Cft Rs. 468951/-

6. Pucca brick worik in foundation and plinth in cement sand mortor (1:6) (GSI No:4(e)P/24)

45.00 Cft @Rs. 11948/36 P% Cft Rs. 5377/-

7. Cement plaster (1:6) up to 12’ height ½” thick(G.SI No:11(b) P/53)

3960.0 Sft. @Rs.2283/93 P%Sft. Rs.90443/-

Rs. 749298/-

***PART-II REPAIR OF TRANSFORMER I/C PUMPING MACHINERY***

***10 BHP***

1. Repair of electric Transformer 25 KVA Taking the site at work shop and over all coil burnt replacement and i/c transformer oil loading and unloading and re-installation of site etc complete

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

2. Repair of pumping machinery 10 BHP i/c pump 3”x2 ½” taking and reinstalling complete (MR)

Pump 2 ½”x3”

2.0 Sets @Rs. 10000/- Each Rs. 20000/-

Electric motor 10 BHP

1 set @Rs. 10141/- Each Rs. 10141/-

3 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)

6” dia 45.0 Rft @ Rs. 749/34 P. Rft Rs. 33720/-

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

6” dia 6.0 No @ Rs. 804/77 P. Each Rs. 4829/-

5 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)

6” dia

6.0 Nos @ Rs. 938/- P Joint Rs. 5628/-

6. Diesel Engine 16 BHP loading and unloading etc complete

1.0 Set @ Rs. 39000/- P Joint Rs. 39000/-

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

6” dia

1.0 Nos. @ Rs. 9360/- Each Rs. 9360/-

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

6” dia

1.0 Nos @ Rs. 4062/50 P Joint Rs. 4063/-

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

(PHSI No. 12 P-13)

0.46 Cwt @ Rs. 6096/- P/Cwt Rs. 2804/-

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

37.22 Cwt @ Rs. 120/- P. Cwt Rs.4466/-

11 C.I Foot valve heavy pattern with cone type gate (Imported) (SOMI No. 4 P-12)

6” dia

1.0 Nos. @ Rs. 1381/25 Each Rs.1381/-

Total Rs. 202192/-

***PART-III REPAIR OF COMPOUND WALL.***

1. Pucca brick work other than building i/c striking of joint upto 20 feet height in cement sand mortar Ratio 1:6 (GSI NO. 5 P/25)

90.31 Cft @Rs.12346/65 P% Cft Rs. 11150/-

2. Cement plaster (1:4) up to 12’ height 1/2” thick(G.SI No:11(b) P/55

4500.00 Sft. @Rs.2283/93 P% Sft. Rs. 102777/-

3. 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/-

4. Cement point struck joints (1:3) on wall..(G.S.I.NO.19 (b) P/53)

4500.0 Sft @Rs.1213/58 P% Sft Rs.54611/-

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

10040.0 Sft @Rs: 416/63 P% Sft Rs: 41830/-

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

10040 Sft @Rs: 859/90 P% Sft Rs: 86334/-

7. Painting Old Surface

painting door and windows any type (GSI No . 4 P/76)

3 Coats

104.00 Sft @Rs. 1662/21 P% Sft Rs. 1729/-

8. Painting New Surface

painting door and windows any type (GSI No . 4 P/76)

3 Coats

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

Total Rs. 353803/-

**PART-IV PUMPING MACHINERY 15 BHP I/C KPW PUMP (1 SET) @ WATER WORK**

1 Supplying installing position i/c transportation to site @ ­­­­­­Jan Muhammad Kaloi water supply scheme, AC Electric motor 15 BHP 3 phse 50 cycle 400/420 volts 2900 RPM Siemens made Type KSB ETA No.RM) Coupled with 65-200 Size 3”x4” mounted on common steel frame on base plates ( capable of discharge 250 GPS against the required head of 60 ft i/c installed on cement concrete ratio 1:2:4 Ms nut 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 specification and testing pumping set against the required head for 72 hours etc complete (R.A Attached)

1.0 Sets @ Rs.352850/- P. Set Rs. 352850/-

2 Providing installing Diesel oil engine 24 BHP at site of work rural water supply scheme Jan Muhammad Kaloi District Sanghar diesel oil engine pumping 24 BHP (Fixed) 2000 RPM (Chaina made) driven with KSB centrifugal pump ETA 80-26 capable given discharge 170 gallons per minute against the total head of 60 gallons mounted on common steel frame or base plate i/c making of C.C foundation 1:2:4 and C.C 1:8 with M.S nuts and bolts 5/8” dia embedded in cement concrete foundation i/c testing of the pumping set against the required head etc complete (fixed ) R.A Attached)

1.0 Sets @ Rs. 243160/- P. Set Rs. 243160/-

3 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

24.0 Rft @ Rs. 385/89 P. Rft Rs. 9261/-

For Delivery line 3” dia

24.0 Rft @ Rs. 385/89 P. rft Rs. 9261/-

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

14.0 No @ Rs. 500/89 P. Each Rs. 7012/-

5 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

23.0 Nos @ Rs. 499/- P Joint Rs. 11477/-

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

3” dia 2.0 Nos. @ Rs. 4290/- Each Rs. 8580/-

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

3” dia 2.0 Nos @ Rs. 1543/75 P Joint Rs. 3088/-

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

(PHSI No. 12 P-13)

0.17 Cwt @ Rs. 6096/- P/Cwt Rs. 1036/-

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

33.40 Kg @ Rs. 120/- P. Kg Rs.4008/-

10. C.I Tapers flat bottomed or central tapered flanged ends with holes i/c turning and facing of flanges for all size (SOMI no. 9 P-12)

5.25 Kg @ Rs. 120/- P/Kg Rs. 1260/-

11 C.I Foot valve heavy pattern with cone type gate (Imported) (SOMI No. 4 P-12)

3” dia

2.0 Nos. @ Rs. 731/25 Each Rs.1463/-

Total Rs. 652456/-

***PART-V PVC DISTRIBUTION LINE & 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 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).

56000.00 Cft. @Rs. 3600/- P%0 Cft Rs. 201600/-

# 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).

28000.00 Cft. @Rs. 5400/- P%0 Cft Rs. 151200/-

3. Supplying uPVC pressure pipe equivalent make with z joint B class with one no of rubber ring with each pipe (test pressure 61 metter or 200’ ft water head) (P.H.S.I.NO:E (I) P/22).)

4” dia 3000.0 Rft @Rs. 137/- P/Rft Rs. 411000/-

3” dia 11000.0 Rft @Rs. 90/- P/Rft Rs. 990000/-

4 Providing C.I Specials (S.O.M.I.NO:2 P/14)

i) Bend 4” dia 90 1x4 = 4.0 Nos @Rs. 893/75 Each Rs. 3575/-

i) Bend 3” dia 90 1x6 = 6.0 Nos @Rs. 650/ Each Rs. 3900/-

i) Bend 3” dia 45 1x6 = 6.0 Nos @Rs. 731/25 Each Rs. 4388/-

Tee Equal 3” Dia 1x3=3 Nos @Rs,.968/75 Each Rs.2906/-

Tee Un Equal 4”x3” = 4 Nos @Rs.956/25 Each Rs.3828/-

Tail Piece 3” Dia 2x8=16 Nos @Rs.375/- Each Rs.6000/-

Tail Piece 4” Dia 2x4=8 Nos @Rs.487/50/- Each Rs.3900/-

5. C.I Jibault Joint (S.O.M.I.NO:14 P/18)

3” Dia 1x4=4 Nos. @Rs.568/75 Each Rs.2275/-

6. Sluice valve heavy pattern (test pressure 21 kg / sq com or 300 Lbs / sq inch (Improted) (PHSMI No. 2 P/11)

4” dia 1x4=4 Nos @Rs. 5460/- Each Rs. 21840/-

3” dia 1x4=4 Nos @Rs. 4290/- Each Rs. 17160/-

7. Making jointing to PVC specials fitting (i/c laying of specials and cost of solvent cement) of required dia metter and testing the joints along with pvc pipe line B. C, & D class to the specified pressure and making good to all leaky joint etc complete (PHSI NO. N P/35)

i) 4” dia 1x8 = 8.0 Nos @Rs. 70/- P/Joint Rs. 560/-

ii) 3” dia 1x22 = 22 Nos @Rs. 59/- P/Joint Rs. 1298/-

6. Jointing IC MS flanged pipe and specials flanged and inside a trench i/c supplying rubber packing 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)

4” dia 1x8 = 8 Joints @Rs. 513/- P/Joint Rs. 4104/-

3” dia 1x16 = 16 Joints @Rs. 499/- P/Joint Rs. 7984/-

7. Providing Chamber 3x2 (915x615 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 1x8 = 8.0 Nos @Rs: 18820/- Each Rs. 150560/-

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).

75600.0 Cft @Rs: 2760/- P%0 Cft Rs. 208656/-

Total Rs. 2196731/-

***ABSTRACT***

***PART-I REPAIR OF STORAGE TANK Rs.749298/-***

***PART-II REPAIR OF TRANSFORMER &***

***PUMPING MACHINERY 10 BHP***

***I/C SUCTION AND DELIVERY Rs.202192/-***

***PART –III REPAIR OF COMPOUND WALL Rs.353803/-***

***PART-IV PUMPING MACHINERY 15 BHP Rs.652456/-***

***PART-V PVC DISTRIBUTION / Rs.2196731/-***

***RISING MAIN***

***Total Rs. 4154480/-***

**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