***SCHEDULE B” REHABILITATION OF RURAL WATER SUPPLY SCHEME MUHAMMAD AMIN CHANDIO DISTRICT SANGHAR***

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

**Part-I Storage tank & Feeding Channel & C/Wall.**

1. 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)

08 Days @Rs: 1500/- P/Day Rs: 12000/-

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

37884.00 Cft @Rs. 1663/75 P% Cft Rs.63030/-

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

541.12 Cft @Rs. 1285/63 P% Cft Rs. 6957/-

5. Dismantling for CC plain 1:3:6 (GSI No.19 (b) P/10)

1645.87 Cft @Rs. 1306/80 P% Cft Rs. 221508/-

6. Cement concrete brick or stone ballast ratio 1:4:8 (GSI NO. P/ )

906.25 @Rs. 9416/28 P% Cft Rs. 85335/-

6. Foundation and plinth random rubber masonary ( GSI No. 1 P/ 27 )

2025.0 Cft Rs. 17723/- P% cft Rs. 358891/-

7. Coursed rubber masonry i/c hammer dressing 1:6) (GSI NO.2 P/27)

2250.0 Cf @Rs. 25321/- P% Cft Rs. 569723/-

8. 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).

15000.0 Cft. @Rs.3176/25 P% 0 Cft. Rs. 47644/-

9. 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:4(i) P-16) .

3750.00 Cft @Rs. 11288/75 P% Cft Rs. 423328/-

10. Pucca brick work other than building i/c striking of joint upto 20 feet height in cement sand mortar Ratio 1:6 (GSI NO. 7 P/22)

1554.00 @Rs. 12346/65 P% Cft Rs. 191867/-

11. Pucca brick worik in foundation and plinth in cement sand mortor (1:6) (GSI

10294.93 Cft @Rs. 11948/36 P% Cft Rs. 1230075/-

12. 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:4(i) P-16) .

5377.50 Cft @Rs. 14429/25 P% Cft Rs. 775933/-

13. Cement pointing struck joint on wall Ratio 1:3 (G.SA.I.NO:19 P/53)

9166.88 Sft @Rs.1213/- P% Sft Rs.111247/-

14. Cement plaster (1:6) up to 12’ height ½” thick(G.SI No:11(b) P/52)

33796.18 Sft. @Rs.2206/60 P%Sft. Rs.745743/-

15. Cement plaster (1:4) up to 12’ height 3/8” thick(G.SI No:11(b) P/52)

33796.00 Sft @Rs.2197/52 P% Sft Rs.742674/-

16. 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/-

17. 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).

1012.25 Cft @Rs: 337/- P/ Cft Rs: 341128

18. 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)

40.67 Cwt @Rs: 5001/70 P/ Cwt Rs: 203419/-

19. 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)

84.00 Sft @Rs. 47651/56 P% Sft Rs. 40027/-

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

14658.20 Sft @Rs: 416/63 P% Sft Rs: 61070/-

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

14658.00 Sft @Rs: 859/90 P% Sft Rs: 126046/-

22. Painting New Surface

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

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

23. Extra for 50 ft

37884.0 Cft @Rs.5039/- P%0 Cft Rs.190897/-

Rs. 6403914/-

***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)

161.49 Cft @Rs: 5445/- P% Cft Rs: 8793/-

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

Raising of Pump House & Staff Quarter

580.12 Cft @Rs. 1285/63 P% Cft Rs. 7458/-

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

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

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

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

596.19 Cft @Rs. 12674/36 P% Cft Rs. 75563/-

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/-

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

Ratio 1:4:8.

108.24 Cft @Rs. 9416/28 P% Cft Rs. 10192/-

7. 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

56.00 Sft @Rs. 726/72 P/Sft Rs. 40696/-

8. 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)

6.10 Cwt @Rs. 4928/49 P/cwt Rs. 30064/-

9. 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)

2x3x3x4.0 = 72.0 Sft Rs. 180/50 P/Sft Rs. 12996/-

10. 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).

267.04 Cft @Rs: 337/- P/ Cft Rs: 89992/-

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

(G.S.I.NO:3 P/91)

6.10 Cwt @Rs.271/04 P/Cwt Rs.1653/-

12. 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)

10.72 Cwt @Rs: 5001/70 P/ Cwt Rs: 53618/-

13. 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/-

14. Cement plaster (1:6) up to 12’ height 3/8” thick(G.SI No:11(b) P/52

2559.90 Sft. @Rs.2206/60 P% Sft. Rs.56487/-

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

2559.90 @Rs.2197/52 p% Sft Rs. 56254/-

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

2559.90 Sft @Rs: 416/63 P% Sft Rs: 10665/-

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

2559.90 Sft @Rs: 859/90 P% Sft Rs: 22013/-

18. Painting New Surface

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

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

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

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

Rs.517881/-

**Part-III Pumping Machinery**

**1 Supplying and installing position i/c transportation to site @ M.Amin Chandio water supply scheme, pumping set of 2900 RPM (Siemens) made 7.5 BHP electric motor 3 phase 50 cycles 400/420 volts with KSB pump ETA 50-160 ype KSB 2.5”x2” mounted on common steel frame on base plate (Capable of discharge 100 GPM against the required head of 85 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 Set @ Rs. 276400/-- P. Set Rs. 552800/-**

**2 Providing installing Diesel woil engine 12 BHP at site of work rural water supply scheme M.Amin Chandio District Sanghar diesel oil engine pumping 12 BHP (Fixed) 20 RPM (Pak made) driven with KSB centrifugal pump ETA 40-20 capable given discharge 100 gallons per minute against the total head of 80 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.**

**1.0 Set @ Rs. 197475/-- P. Set Rs. 197475/-**

**3 Providing G.I pipe approved quality (RAA Based on schedule)**

**3” dia**

**64.0 Rft @ Rs. 338/17 P. Rft Rs. 21643/-**

**6” dia**

**24.0 Rft @ Rs. 776/18 P. rft Rs. 18628/-**

**4 Manufacturing installing M.S flanged of different dia made out M.S sheet**

**3/8” thick i/c drilling holes etc complete. (RAA Based on schedule)**

**3” dia**

**12.0 Rft @ Rs. 500/89 P. Rft Rs. 6011/-**

**6” dia**

**8.0 No. @ Rs. 804/77 P. Set Rs. 6438/-**

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

**1.49 Cwt @ Rs. 6096/- P. Set Rs. 9083/-**

1. **C.I Tee with one end flanged end with holes i/c turning and facing of**

**Flanges for all size (PHSI No.12 P-11)**

**6”x6”x3”**

**0.80 Cwt @ Rs. 6096/- Each Rs. 4877/-**

**7 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-11)**

**0.88Cwt @ Rs. 6096/- Each Rs.5364/-**

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

**3” dia 3.0 Nos. @ Rs. 4290/- Each Rs. 12870/-**

**9 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/-**

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

**3” dia 3.0 Nos. @ Rs.1543/75 Each Rs.4631/-**

**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-35)**

**3” dia 24 Joint @ Rs. 499/- P Joint Rs. 11976/-**

**6” dia**

**1x8 = 8 Joint @ Rs. 938/- P Joint Rs. 7504/-**

**12 Repair of Transformer Rate approved.(25 KVA)**

**01 No @Rs.66800/- Each Rs.66800/-**

**13. Repair of Pump KSB (50-160). (Rate Approved)**

**01 No. @Rs.10000/- Each Rs.10000/-**

**14 Rewinding of Electric Motor 2900 RPM (10 BHP) (GSI No.97-P-100)**

**01 No @Rs.10141/- Each Rs.10141/-**

**Total Rs. 948435/-**

***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).

34750.00 Cft. @Rs. 3600/- P%0 Cft Rs.125100/-

# 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).

19062.50 Cft. @Rs. 5400/- P%0 Cft Rs. 102938/-

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).)

6” dia 1500.0 Rft @Rs. 262/- P/Rft Rs. 393000/-

4” dia 2000.0 Rft @Rs. 137/- P/Rft Rs. 274000/-

3” dia 5000.0 Rft @Rs. 90/- P/Rft Rs. 450000/-

4 PVC Z Joint fitting for pressure pipe Class B

Tee 3” Dia 1x5=05 Nos @Rs.900/- Each Rs.4500/-

Tee 4” Dia 1x3=03.0 No @Rs.1181/- Each Rs.3543/-

Bend 90 3” Dia 1x6=06 Nos @Rs.731/- Each Rs 4386/-

i) Bend 4” dia 1x5 = 5.0 Nos @Rs. 956/- Each Rs. 4780/-

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

6” Dia 1x1=01 No @Rs.9360/- Each Rs.9360/-

4” dia 1x2=2 Nos @Rs. 5460/- Each Rs. 10920/-

3” dia 1x3=3 Nos @Rs. 4290/- Each Rs. 12870/-

vi) Tail piece (SMI No. 9 P/15)

6” Dia 1x2=02 Nos @Rs.618/75 Each Rs.1238/-

4” dia 1x4 = 4 Nos @Rs. 487/50/- Each Rs. 1950/-

3” dia 1x6 = 6 Nos @Rs. 375/- Each Rs. 2250/-

PVC Sockets (PH.S.I.No;18 (iii)P/28)

6” Dia 01 No @Rs.1575/- Each Rs.1575/-

4” Dia 08 Nos @rs.1125/- Each Rs.9000/-

3” Dia 11 Nos. @Rs.405/- Each. Rs.4455/-

viii) Gibalt joint (SMI NO. 14 P/17

6” Dia 04 Nos @Rs.1062/50 Each Rs.4250/-

4” dia 07 Nos @Rs. 731/25 Each Rs. 5119/-

3” dia 12 Nos @Rs. 568/75 Each Rs. 6825/-

5. 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)

6” Dia 1x1=01 No @Rs.96/- P/Joiint Rs.96/-

i) 4” dia 1x08 = 08 Nos @Rs. 70/- P/Joint Rs. 560/-

ii) 3” dia 1x11 = 11 Nos @Rs. 59/- P/Joint Rs. 649/-

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)

6” Dia 06 Joints @Rs.938/- P/Joint RS.5628/-

4” dia 1x11= 11 Joints @Rs. 513/- P/Joint Rs. 5643/-

3” dia 1x18 = 18 Joints @Rs. 499/- P/Joint Rs. 8982/-

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)

06 Nos @Rs: 18820/- Each Rs. 112920/-

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).

48431.25 Cft @Rs: 2760/- P%0 Cft Rs. 133670/-

Total Rs.1700207/-

PART -V 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

1x8 = 8 Nos @Rs.797/- Each Rs. 6376/-

2. 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/-

3. 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/-

4. 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/-

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

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

6. Providing and fixing S.W canopy block and back light ceiling roas (ESI NO (D)3 P/14)

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

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

1x1 = 1 No @Rs. 25/19 Each Rs. 25/-

8. 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/-

9. 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/-

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

(SEI No 235 P/34)

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

11 Supplying and fixing energy sewer 40 watts super quality i/c fixing on existing holders etc complete. (SEI NO 6 P/33)

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

Total Rs. 31863/-

***ABSTRACT***

***PART-I REPAIR OF S/TANK I/C FEEDING Rs.6403914/-***

***CHANNEL & COMPOUND WALL***

***PART-II REPAIR OF STAFF QUARTER & Rs 517881/-***

***PUMP HOUSE***

***PART-III PUMPING MACHINERY Rs.948435/-***

***PART-IV DISTRIBUTION Rs.1700207/-***

***PART-V ELECTRIC FITTING Rs. 31863/-***

***Total Rs. 9602300/-***

**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