**SCHEDULE “B” CONSTRUCTIN OF DISPOSAL WORK COLLECTING TANK 25’ DIA, SCREENING CHAMBER 10’ DIA , COMPOUND WALL PUMP HOUSE FOR URBAN DRAINAGE SCHEME SANGHAR PHASE – IV (ZONE-G)**

**DISTRICT SANGHAR**

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

**PART – I R.C.C COLLECTING TANK 25’ DIA**

1 Excavation of well in dry up to 20’ ft below ground level and disposal of soil within one chain (in ordinary or sand) (GSI No: 1 P/92)

3532.50 Cft @ Rs.2247/58 P%0 Cft Rs.7940/-

2 RCC work i/c all labour and material except the cost of steel reinforcement and its labour for bending & binding, which will be paid separately. This rate also i/c all kind of forms moulds lifting shuttering curing rendering & finishing the exposed surface i/c screening and washing of shingle (a) RCC work in roof, slab, beams, column, rafts, lintel & other structural member laid in situ or pre-cast laid in position complete in all respect. (GSI No: 6 P/17)

2153.26 Cft @ Rs.337/- P/ cft Rs.725649/-

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| 3. 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 P/20) |

80.35 Cwt @Rs.5001/70 P/Cwt Rs.401887/-

4 Wet sinking of wells for depth below spring level by means driving i/c all

Charges for shorting loading and removing excavated material one chain

(S.I.NO:3 P/87)

0’ – 5’ Depth

2968.28 Cft @Rs.11763/80 P%o Cft Rs.34918/-

5’ – 10’ Depth

2968.28 Cft @Rs.24200/- P%o Cft Ra. 71832/-

10’ – 15’ Depth

2968.28 Cft @Rs.37230/77 P%o Cft Ra. 110511/-

15’ – 20’ Depth

1780.96 Cft @Rs.50416/67 P%o Cft Ra. 89790/-

5 Providing construction joints in concrete work of 9” (225mm) wide corrugated

PVC water stop with bulb i/c soldering coat of materials and labour .(PHSINO:1 p/56)

244.92 Rft @Rs.86/- P/Rft Rs.21063/-

6 Cement concrete brick or stone ballast 1-1/2” to 2” guage Ratio 1:4:8

(G.S.I.NO: 4 P/15)

966.67 @Rs.9416/28 P% Cft Rs.91024/-

7. Cement concrete plain i/c placing compacting finishing curing etc complete

i/c screening and washing of stone aggregate with out shuttering (GSI No: 5 P/18 )

a) (Ratio 1:4:8)

490.62 Cft Rs: 11288/75 P% Cft Rs: 55385/-

b) (Ratio 1:3:6)

490.62 Cft Rs:12595/- P% Cft Rs: 61794/-

c) (Ratio 1:2:4)

490.62 Cft Rs:14429/25 P% Cft Rs: 70793/-

8. Providing and fixing in position CC Foundation 1:3:6 order of MS angle iron frame 2”x2”x2/4” (PHSI No 3 P/55)

1x26.0 = 26.0 Rft Rs. 799/- Each Rs. 20774/-

9. Bailing or pumping out sub soil water dring excavation concreting cost in situ concrete or masonry work in foundation etc (PHSI No 18 P/75)

31463.77 Cft @Rs.543/- P% Cft Rs.170848/-

10. Supplying and mixing padlo (SMI.NO:56(P) P/15)

291.00 Cft. Rs.125/- P/Lbs Rs.36375/-

Total: Rs. 1950743/-

**PART – II SCREENING CHAMBER (10’ Dia)**

1 Excavation of well in dry up to 20’ ft below ground level and disposal of soil within one chain (in ordinary or sand) (GSI No: 1 P/92)

769.30 Cft @ Rs.2247/58 P%0 Cft Rs.1729/-

2. Wet sinking of wells for depth below spring level by means driving i/c all

Charges for shorting loading and removing excavated material one chain

(S.I.NO:3 P/87)

0’ – 5’ Depth

613.28 Cft @Rs.11763/80 P%o Cft Rs.7215/-

5’ – 10’ Depth

613.28 Cft @Rs.24200/- P%o Cft Ra. 14841/-

10’ – 15’ Depth

245.31 Cft @Rs.37230/77 P%o Cft Ra. 9133/-

3 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).

721.36 Cft RS.337/- P/Cft Rs.243098/-

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)

27.18 Cwt. Rs: 5001/70 P/Cwt. Rs: 135946/-

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

58.76 Cft Rs.11948/36 P% Cft Rs. 7021/-

7. Cement plaster (1:4) upto 12’ height ½” thick.

698.58 Sft Rs.2283/93 P% Cft Rs. 15955/-

8. Providing and fixing C.I Foot Steps (R.A.A)

1x10=10 Nos Rs.181/65 Each Rs.1817/-

9 Fabrication of heavy steel work with angles tees flat tank iron round iron

And sheet iron for making trusses girders.

3.34 Cwt Rs.4928/49 P/Cwt Rs.16461/-

10 Errection and fitting in position of iron trusses fixing in position.

(C.S.I.NO:6 P/91)

3.34 Cwt Rs.271/04 P/Cwt Rs.905/-

11. Bailling and pumping out sub soil water during excavation concreting cost in situ

Concrete or masonary work in foundation.(PHSI NO:15 P/52)

1805.50 Cft Rs.543/- P% Cft Rs.9804/-

7. Cement concrete plain i/c placing compacting finishing curing etc complete

i/c screening and washing of stone aggregate with out shuttering (GSI No: 5 P/18 )

a) (Ratio 1:4:8)

78.50 Cft Rs: 11288/75 P% Cft Rs: 8862/-

b) (Ratio 1:3:6)

78.50 Cft Rs:12595/- P% Cft Rs: 9887/-

c) (Ratio 1:2:4)

78.50 Cft Rs:14429/25 P% Cft Rs: 11327/-

12 Supplying Dampo / Padlo @ 3 ½” Lbs sq pf cement.(SCHMI NO:46 P/4)

46.69 Lbs Rs.56/82 P/Lbs Rs. 2653/-

13 Cement concrete brick or stone ballast 1 ½: to 2” guage Ratio 1:4:8.

151.25 Cft Rs.9416/28 P% Cft Rs.14242/-

12. Excavation for pipe line in trenches pits 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/49).

Soft Soil

320.00 Cft. Rs.3600/- P%0 Cft Rs.1152/-

Wet Soil

128.0 Cft. Rs.5400/- P%0 Cft Rs.691/-

14. Providing RCC Pipe of ASTM C-76-62T/C76-70 class II Wall B and fixing trenches i/c cutting fitting and jointing with rubber rings i/c testing with water to specified pressure

18” dia pipe

16.0 Rft Rs.618/-- P/Rft Rs. 9888/-

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

compaction etc complete(PHS I No:24 p/53).

403.20 Cft @Rs: 2760/- P%0 Cft Rs.1113/-

13 Providing and fixing C.I Man hole cover with frame i/c cost of material

Etc complete.(P.H.S.I.NO:1 P/35)

1.75 Cwt Rs.6985/- P/Cwt Rs.12224/- Total Rs. 535964

PART –III PUMP HOUSE (18’ x 16’)

1. Excavation in foundation of building and other structure i/c dag belling dressing

refilling around the structure with excavated earth watering and ramming lead

up to one chain and lift up to 5’ (In ordinary soil) (GSI No: 18(b)P/5).

357.50 Cft. Rs.3176/25 P% 0 Cft. Rs. 1136/-

2. Cement concrete brick or stone ballast ratio 1:4:8.. (GSI No 4 P/ 17 )

211.28 Cft Rs.9416/28 P% Cft Rs. 19895/-

3. Randum Rubble masonary…. (G.S.I.NO: P/ )

213.0 Cft Rs:17723/- P% Cft. Rs: 37750/-

4. Coursed rubble masonary i/c hammer dressing in cement sand mortor

Ratio 1:6) (G.S.I.NO: P ).

176.25 Sft Rs. 25321/- P% Sft Rs. 44628/-

5. Pucca brick work in ground floor in cement sand mortar ratio 1:6) (GSI No:5 P/24)

602.25 Cft Rs:12674/36 P% Cft Rs: 76331/-

6. Damp proof cement 2” thick with cement concrete sand shingle concrete

(1:2:4) .(G.S.I.NO:27 P/23)

88.12 Cft Rs.3912/85 P% Cft Rs. 3448/-

7. 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).

200.09 Cft. Rs: 337/- P/Cft. Rs: 67430/-

8. 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)

8.03 Cwt. Rs: 5001/70 P/Cwt. Rs: 40163/-

9 Cement plaster (1:6) upto 12’ height ½” thick.(GSI No:13(b)P/53).

822.0 Sft. @Rs.2206/60 P% Sft. Rs.18139/-

10. Cement plaster (1:4) up to 12” height 3/8” thick(G.SI No:11(a) P/59

822.00 Sft. @Rs.2197/52 P%Sft. Rs. 18064/-

11. Filling watering and ramming earth under floor with surplus excavated from foundation lead upto one chain st (GSI NO. 21 P/5)

371.88 Cfr @Rs.1512/50 P% Cft Rs.561/-

12. Cement pointing struck joints on walls(1:3)(GSI NO:19(a)p/59

925.0 Sft Rs: 1213/58 P%sft Rs: 11226/-

13. 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)

2.71 Cwt Rs. 4928/49 P/Cwt Rs. 13356/-

14. Rough cost stucco cement plaster ¾” thick in preparation of 1:1 ½” in cement

Sand and bajri in pattern.(G.S.I.NO:32 P/60).

156.00 Sft @Rs.2306/10 P% Sft Rs. 3598/-

15 Providing laying 1” thick topping cement concrete 1:2:4 i/c surface finishing and dividing into panel etc complete.(GS.I.NO:16 P/47)

288.0 Sft Rs.3275/50 P% Sft Rs.9433-

16. 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)

32.0 Sft Rs. 180/50 P/Sft Rs. 5776/-

17. PAINTING NEW SURFACE.

Preparing surface and painting of door and window of any

Type i/c edges three coats (GSI No:5 P/70).

120.0 Sft Rs:2116/41 P% Sft Rs:2540/-

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

822.00 Sft RS.416/63 P% Sft Rs.3425/-

Three Coat

417.0 Sft Rs. 829/95 P% Sft Rs. 3586/-

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

1668.50 Sft Rs:859/90 P% Sft Rs: 16016/-

20. S/F steel grated door complete with locking arrangement angle iron frame

2”x2”x1 1/8” and 3/4:” sq bars 4” centre to centre . (G.S.I.NO:26 P/97)

28.0 Sft Rs.726/72 P/ Sft Rs.20348/-

Total Rs. 416848/-

**PART – III COMPOUND WALL**

1. Excavation in foundation of building and other structure i/c dag belling dressing

refilling around the structure with excavated earth watering and ramming lead

up to one chain and lift up to 5’ (In ordinary soil) (GSI No: 18(b)P/5).

1373.0 Cft. Rs.3176/25 P% 0 Cft. Rs. 4361/-

2. Cement concrete brick or stone ballast ratio 1:4:8.. (GSI No 4 P/ 17 )

343.25 Cft Rs.9416/28 P% Cft Rs. 32321/-

3. Randum Rubble masonary un coureed in cement sand (1:6). (G.S.I.NO: P/ )

758.25 Cft Rs:17723/- P% Cft. Rs: 134385/-

4. Coursed rubble masonary i/c hammer dressing in cement sand mortor

Ratio 1:6) (G.S.I.NO: P ).

842.25 Sft Rs. 25321/- P% Sft Rs. 213329/-

5. Pucca brick work in other than Building in cement sand mortar ratio 1:6) (GSI No:5 P/24)

554.26 Cft Rs:12346/65 P% Cft Rs: 68433/-

6. Cement plaster (1:4) upto 20’ height ½” thick.(GSI No:13(b)P/53).

1546.69 Sft Rs.2206/60 P% Sft Rs.34129/-

7. Cement plaster (1:4) upto 20’ height ½” thick.(GSI No:13(b)P/53).

1546.69 Sft Rs.2197/52 P% Sft Rs.33989/-

8. Damp proof course with cement sand shingle concrete (1:2:4)

(G.S.I.NO.27 P/23)

421.25 Cft RS.3912/85 P% Cft Rs.16483/-

8. Cement pointing struck joints on walls(1:3)(GSI NO:19(a)p/59

1422.0 Sft RS.1213/58 P% Sft RS.17257/-

9. Rough cost stucco cement plaster ¾” thick in preparation of 1:1 ½” in cement

Sand and bajri in pattern.(G.S.I.NO:32 P/60).

1348.00 Sft RS.2306/10 P% Sft Rs.31086/-

10. PAINTING NEW SURFACE.

Preparing surface and painting of door and window of any Type i/c edges three coats (GSI No:5 P/70).

100.0 Sft Rs:2116/41 P% Sft Rs:2116/-

11. S/F steel grated door complete with locking arrangement angle iron frame

2”x2”x1 1/8” and 3/4:” sq bars 4” centre to centre . (G.S.I.NO:26 P/97)

50.0 Sft Rs.726/72 P/ Sft Rs.36336/-

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

1546.69 Sft RS.416/63 P% Sft Rs.6444/-

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

2968.59 Sft Rs:859/90 P% Sft Rs:25528/-

14 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).

55.50 Cft. Rs: 337/- P/Cft. Rs: 18704/-

15. 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)

2.22 Cwt. Rs: 5001/70 P/Cwt. Rs: 11104/-

Rs.686005/-

**ABSTRACT OF COST.**

1 PART – I COLLECTING TANK 25’ DIA Rs.1950743/-

2 PART – II SCREENING CHAMBER Rs 535964/-

3 PART – III PUMP HOUSE Rs.416848/-

4 PART – IV COMPOUND WALL Rs.686005/-

TOTAL:- Rs.3589560/-

**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