**SCHEDULE-B**

Name of Work:- DETAILED WORKING ESTIMATE FOR CONSTRUCTION OF DISPOSAL WORK FOR RURAL DRAINAGE SCHEME LANDHI (RURAL) UC MANIK THAHEEM TALUKA TANDO ADAM DISTRICT SANGHAR

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.N | Description | Quantity | Rate | Unit | Amount |

**PART-A. COLLECTING TANK**

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)

**490.62 Cft @ Rs. 2247/58 P%0 Cft: Rs. 1104/-**

2. Providing Construction joint in concrete work of 9” wide corrugated PVC water stop with bulb i/c cost of material & labour etc complete (PHSI No: 2 P/43)

**104.0 Rft @ Rs. 86/- P/Rft: Rs. 8944/-**

3 Wet sinking of wells for depth bellow siring level by means of divers i/c all charges for shoring loading & removing excavated material within one chain (in ordinary soil) (GSI No: 3 P/93)

**613.28 Cft: @ Rs.11763/80 P%0 Cft: Rs. 7215/-**

4. Wet sinking of wells for depth bellow siring level by means of divers i/c all charges for shoring loading & removing excavated material within one chain (in ordinary soil)

5-10’ depth For C/Tank

**613.28 Cft @ Rs.24200/- P%0 Cft: Rs. 14841/-**

5. Wet sinking of wells for depth bellow siring level by means of divers i/c all charges for shoring loading & removing excavated material within one chain (in ordinary soil)

**368.00 Cft: @ Rs.37230/77 P%0 Cft: Rs. 13701/-**

6. Cement concrete brick or stone ballast 1 ½” to 2”guage Ratio 1:4:8(GSI No:4,P/17).

Collecting Tank

**161.31 Cft @ Rs.9416/28 P% Cft: Rs. 15189/-**

7. Cement concrete plain i/c placing compacting finishing curing complete including Screening and washing of stone aggregate with out shuttering Ratio 1:4:8. (GSI No: 5 P/16)

**78.50 Cft @Rs 11288/75 P% Cft Rs.8862/-**

8. Cement concrete plain i/c placing compacting finishing curing complete including Screening and washing of stone aggregate with out shuttering Ratio 1:3:6. (GSI No: 5 P/16)

**78.50 Cft @ Rs.12595/- P% Cft: Rs.9887/-**

9. Cement concrete plain i/c placing compacting finishing curing complete including Screening and washing of stone aggregate with out shuttering Ratio 1:2:4. (GSI No: 5 P/18)

**78.50Cft @Rs.14429/25 P% Cft: Rs. 11327/-**

10. 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)

**686.85 Cft @Rs.337/- P/Cft: Rs.231519/-**

13. 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)

**25.99 Cwt Rs. 5001/70 P/Cwt Rs. 130044/**

14. Bailing or pumping out sub soil water during excavation concreting cost in situ concrete or masonry work in foundation etc. (PHSI No: 18 P/52)

**1962.50 Cft Rs. 181/65 Each Rs. 10654/-**

15. C.I Foot Step. (R.A Approved)

**10 Nos. Rs.181/65 Each. Rs.1817/-**

Total :- Rs. 465104/-

**PART-B. SCREENING CHAMBER (8’x 5’).**

1. Excavation for tanks and reservoirs in soft soils including trimming and dressing sides to true alignment design section / profiles and shape leveling of beds of trenches to correct level and grade i/e laying of earth in 6” layers for construction of banks and dressing and disposal of surplus excavated earth with in one chains directed by In charge Engineer i/e providing fence guard light flats where as required lift up to 5 feet (1.52m) and lead up to one chain. (30.5m) (P.H.S.I.NO: 1 (ii) P 49).

**352.00 Cft Rs. 3000/- P%0 Cft Rs.1056/-**

2. Excavation for tanks and reservoirs in Wet Soils including trimming and dressing sides to true alignment design section / profiles and shape leveling of beds of trenches to correct level and grade i/e laying of earth in 6” layers for construction of banks and dressing and disposal of surplus excavated earth with in one chains directed by In charge Engineer i/e providing fence guard light flats where as required lift up to 5 feet (1.52m) and lead up to one chain. (30.5m)

**264.00 Cft Rs.4800/- P%0 Cft Rs.1267/-**

3. Cement concrete brick or stone ballast 1 ½” to 2”gauge Ratio 1:4:8 (GSI No: 4 P/17)

**44.0 Cft. Rs.9416/28 P% Cft. Rs.4143/-**

4. 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)

**235.12 Cft. Rs.337/- P/Cft. Rs.79235/-**

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 P/19)

**9.44 Cwt. Rs.5001/70 P/Cwt. Rs.47216/-**

6. Providing Construction joint in concrete work of 9” wide corrugated PVC water stop with bulb i/c cost of material & labour etc complete (PHSI No: 2 P/43)

**29.0 Rft. Rs.86/- P/Rft. Rs.2494/-**

7. Fabrication of heavy steel work with angle tees flat iron round iron & sheet iron for making trusses girders make etc i/c cutting reverting handling assembling and fixing but excluding erection in position. (GSI No: 2 P/96)

**1.67 Cwt. Rs.4928/49 P/Cwt. Rs.8231/-**

8. Providing and fixing C.I Man holes cover with frame i/c cost of material (PHSI No: 1,P-35)

**1 x 1.75= 1.75 Cwt. Rs.6985/- P/Cwt. Rs.12224/-**

9. Errection and fitting in position of iron trusses staging of water tanks etc.(GSI No: 3,P-96).

**1.67 Cwt. Rs.271/04 P/Cwt. Rs.453/-**

10. Pucca brick work in foundation and plinth in cement sand mortar (1:6) (GSI No: 4(i)P-21).

**17.0 Cft. Rs.11948/36 P% Cft. Rs.2031/-**

11. Cement plaster (1:4) up to 12 ft height ½” thick (GSI No: 13 (b),P-52).

**268.00 Sft. Rs.2283/93 P%Sft. Rs.6121/-**

12. Supplying dampo (Sch: of mat: 1 No: 46,P-4).

**3.17 Kg Rs.125 P/Kg. Rs.370/-**

13. Providing RCC pipes of ASTM C-76-62 T/C 76-70 Class-II wall band fixing in trench i/c cutting fitting and jointing with rubber ring i/c testing with water to specified pressure(GSINO B-1 P-17)

**12”dia. 16.0 Rft. Rs.412/- P/Rft. Rs.6592/-**

14. Excavation for pipe line trenches in soft soils including trimming and dressing sides to true alignment design section / profiles and shape leveling of beds of trenches to correct level and grade i/e laying of earth in 6” layers for construction of banks and dressing and disposal of surplus excavated earth with in one chains directed by In charge Engineer i/e providing fence guard light flats where as required lift up to 5 feet (1.52m) and lead up to one chain. (30.5m) (P.H.S.I.NO: P 46).

**144.00 Cft Rs. 3600/- P%0 Cft Rs.518/-**

15. Refilling the excavated stuff in trenches 6” thick layers i/c watering ramming to full compaction etc complete (PHSI No: 24, P-47).

**129.60 Cft. Rs.2760/- P%OCft. Rs.358/-**

16. Supplying and embedding C.I foot steps approved designed weight not less than 15 LBS (R.A approved)

**1 × 5 = 5.0 Nos: Rs.181/65 Each. Rs.908/-**

**Total:- Rs.173243/-**

**PART-C. PUMP HOUSE (12’x10’)**

1. Excavation in foundation of building bridges & other structure i/c dug belling dressing refilling around structure with excavation stuff earth watering & ramming to full compaction lead up to one chain and lift up to 5’ ft: (in ordinary soil) (GSI No: 18 P/4 )

**235.0 Cft: Rs.3176/25 P% Cft. Rs. 746/-**

2. Cement concrete brick or stone ballast 1 ½” to 2”gauge Ratio 1:4:8 (GSI No: 4 P/17)

**104.00 Cft: Rs.9416/28 P% Cft Rs. 9793/-**

3. Cement concrete plain i/c placing compacting finishing curing complete i/c screening & washing of stone aggregate without shuttering Ratio (1:3:6). (GSI No: 5 P/18)

**164.50 Cft Rs. 12595/- P% Cft: Rs. 22482/-**

4. Erection & removing centering for RCC in plain cement concrete work. (GSI No: 18 P/21)

**329.0 Sft: Rs. 3127/41 P% Sft: Rs. 10289/-**

5. Pacca brick work in ground floor in cement sand mortar (1:6). (GSI No: 5 P/26)

**317.00 Cft: Rs.12674/36 P%Cft. Rs. 40178/-**

6. 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 etc complete (GSI No: 6 P/19)

**105.35 Cft Rs.337/- P/Cft: Rs. 35503/-**

7. 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)

**4.23 Cwt Rs.5001/70 P/Cwt. Rs.21157/-**

.8. Cement Plaster (1:4) up to 20’ height ½” thick (GSI No: 11 P/58)

**403.0 Sft Rs.2283/93 P% Sft Rs. 9204/-**

9. Cement pointing struck joints 1:3 on wall (GSI No: 19 P/59)

**464.50 Sft Rs.1213/58 P% Sft Rs. 5637/-**

10. Filling Water and remaining earth in floor with surplus from foundation lead up to one chain and lift up to 5 ft ( GSI No: 21 P/ 5)

**229.0 Cft Rs.1512/50 P%0 Cft. Rs. 346/-**

11. Providing and laying 1” thick topping cement concrete (1:2:4) i/c surface finishing & dividing into panel etc complete (2” thick) (GSI No: 16 P/ 47)

**120.0 Sft Rs.3275/50 P% Sft. Rs. 3931/-**

12. Rough cost stucco cement plaster 3/4" thick in preparation of 1:11/2” in cement sand and Bajri in pattern ( GSI No: 32 P/ 60)

**76.50 Sft Rs.2306/80 P%Sft. Rs. 1765/-**

13. Fabrication of heavy steel work with angle tees flat iron round iron & sheet iron for making trusses girders make etc i/c cutting reverting handling assembling and fixing but excluding erection in position. (GSI No: 2 P/96)

**1.69 Cwt: Rs.4928/49 P/ Cwt. Rs. 8329/-**

**14.** Errection and fitting in position trusses tagging of water tanks etc complete

**1.69 Cwt Rs. 271/04 P/Cwt Rs. 458/-**

15. Preparing surface & painting of doors & windows any type three coats (GSI No: 5 /77)

**96.0 Sft Rs. 2116/41 P% Sft: Rs. 2032/-**

16. S/F steel grated doors complete with locking arrangement angle iron frame 2”x2”x1/18” and ¾” Sq: bars 4” center to center (GSI No: 23 P/97)

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

17. White Wash One Coat (GSI No: 26 P/54

**403.00 Sft Rs.416/63 P%Sft. Rs. 1679/-**

18. White wash three coats (GSI No: 26 P/ 60)

**204 Sft: Rs.829/95 P% Sft. Rs. 1693/-**

19. Color wash two coats. (GSI No: 25 P-54 )

**464.50 Sft: Rs.859/90 P%Sft. Rs. 3994/-**

20. S/F in position iron/steel grill with angle iron frame of ½×½"×¼" and flatue ¾” x ¾” size fiat iron of approved designed i/c painting 3 coat etc complete weight to be than 3.7 Lbs Sq: ft: of finished grill (GSI No: 31 P/94)

# **20.0Sft Rs.231/60 P% Sft: Rs. 3610/-**

**Total:- Rs.201411/-**

**PART-D. COMPOUND WALL.**

1. Excavation in foundation of building bridges & other structure i/c dug belling dressing refilling around structure with excavation stuff earth watering & ramming to full compaction lead up to one chain and lift up to 5’ ft: (in ordinary soil) (GSI No: 18(b) P/54)

**1715.0 Cft Rs.3176/25 P% Cft: Rs. 5447/-**

2. Cement concrete brick or stone ballast 1 to 1½” gauge Ratio 1:4:8 (GSI No: 4 (b) P/ 15)

**343.0 Cft Rs. 9416/28 P% Cft: Rs. 34369/-**

3. Cement concrete plain i/c placing compacting finishing curing complete including Screening and washing of stone aggregate with out shuttering Ratio 1:3:6. (GSI No: 5 P/16)

**1169.0 Cft Rs. 12595/- P% Cft: Rs. 147236/-**

4. Erection & removing centering for RCC in plain cement concrete work. (GSI No: 18 P/21)

**2883.0 Cft Rs. 3127/41 P% Cft: Rs. 76622/-**

5. Pacca brick work in other than building i/c striking of joint up to 20’ ft height in cement sand mortar (1:6). (GSI No: P/No: 26)

**600.0 Cft Rs. 12346/65 P% Cft: Rs. 74080/-**

6. Cement Plaster (1:4) up to 20’ height ½” thick (GSI No: 11(a) P/58)

**19180 Cft Rs. 2283/93 P% Cft: Rs. 43806/-**

7. Cement Pointing struck joints on wall ratio (1:3) (GSI No: 19 P/59)

**1794.0 Sft: Rs. 1213/58 P% Cft: Rs. 21772/-**

8. Rough cost stucco cement plaster ¾” thick preparation 1:1: ½” to 1: ½” thick cement hill sand and Bajri in patterns. (GSI No: 32 P/60)

**1050.0 Cft Rs. 2306/10 P% Sft: Rs. 24214/-**

9. **Painting New Surfaces:** Preparing face and doors and windows any type (including edges) ( (GSI No:4 (c) P/76)

**100.0 Sft: Rs. 2116/41 P% Cft: Rs. 2116/-**

10. S/F steel grated doors complete with locking arrangement angle iron frame 2”x2”x3.8” and ¾” Sq: bars 4” center to center (GSI No: 23 P/97)

**50 Sft: Rs. 726/72 P Sft: Rs. 36336/-**

11. White wash one coat (GSI No: 26 P/60)

**1918.00 Sft: Rs. 416/63 P% Sft: Rs. 7991/-**

12. Color wash two coats. (GSI No: 25 P/60)

# **1794.00 Sft: Rs. 859/90 P% Sft: Rs. 15427/-**

13. R.C.C work in roof slab beams columns raft lentils and others structural member laid or preal liad in position complete in all respect (GSI No: 6 P/ )

**65.25 Cft Rs. 337/- P/Cft Rs.25107/-**

14. Fabrication of mild steel reinforcement for Cement Concrete i/c cutting bending lying in position ,making joints fasting i/c cost of binding wire (GSI No: 8 P/17)

**2.62 Cwt Rs. 5001/70 P/Cwt Rs. 13104/-**

Total:- **Rs.520936/-**

**PART-E STAFF QUARTER.**

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).

**392.50 Cft. Rs.3176/25 P%0Cft. Rs. 1247/-**

2. Cement concrete brick or stone ballast 1” to 1 ½” gauge. Ratio 1:4:8. (GSI No: 4(c) P.15).

**141.86 Cft. Rs.9416/28 P% Cft. Rs. 13358/-**

3. Cement concrete plain i/c placing compacting finishing curing complete i/c screening & washing of stone aggregate without shuttering Ratio (1:3:6). (GSI No: 5 P/16)

**266.00 Cft. Rs: 12595/- P% Cft. Rs: 33503/-**

4. Erection & removing centering for RCC in plain cement concrete work. (GSI No: 19B P/18)

**532.0 Sft. Rs.3127/41 P%Sft. Rs.16638/-**

5. Pucca brick work in ground floor (Ratio 1:6) (GSI No:5, P/22).

**441.00 Cft. Rs.12674/36 P%Cft. Rs. 55894/-**

6. Reinforcement cement concrete work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms, moulds, lifting, shuttering curing, rendering and finishing the exposed and surface (i/c screening and washing of shingle.(a) RCC work in roofs, slabs, beams, columns, rafts, lintels and other structural members laid in site or precast laid in position complete in all respect. (G.S.I.No: 6,P/17).

**121.00 Cft. Rs.337/- P/Cft. Rs.40777/-**

7. Fabrication of mild steel reinforcement for cement concrete i/c cutting bending Laying in position making joints and fastening i/c cost of binding wire also removal of rust from Bars (G.S.I.No:7(b)P/11).

**4.86 Cwt. Rs.5001/70 P/Cwt. Rs.24308/-**

8. Providing and laying 1” thick topping cement concrete (1:2:4) i/c surface finishing and dividing into panels (GSI No: 16©P-47).2”thick.

**192.0 Sft. Rs.3275/50 P% Sft. Rs. 6289/-**

9. Cement plaster (1:6) up to 12 ft: height ½” thick. (GSI No:1b P-52).

**1068.0 Sft. Rs: 2206/60 P%Sft. Rs: 23566/-**

10. Cement plaster (1:4) up to 12 ft: height 3/8” thick. (GSI No: 11 P-52).

**1068.00 Sft. Rs: 2197/52 P%Sft. Rs: 23470/-**

11. Making and fixing steel grated door with 1/6” thick sheeting i/c angle iron frame 2”x2” 3/8” and ¾” square bars 4” center to center with locking arrangement. (GSI No: 24, P/91).

**22.75 Sft. Rs.726/72 P/Sft. Rs. 16533/-**

12. Fabrication of heavy steel work with angle tees flat iron round iron and sheet iron for making truss girders made etc i/c cutting reverting handling assembling and fixing but excluding errection in position. (GSI No: 2 P-91)

**2.03 Cwt. Rs.4928/49 P/Cwt. Rs. 10005/-**

13. Supplying and fixing in position iron/steel grill of ¾”x ¼” size flat iron of approved design i/c painting 3 coats etc complete weight not less than 3.7 lbs/sq foot of finished grill (GSI No: 26,P-95).

**24.00 Sft. Rs.150/80 P/Sft. Rs. 3619/-**

14. Errection and fitting in position trusses staging of water tank etc complete (G.S.I No:3 P-91)

**2.03 Cwt Rs. 271/04 P/Cwt Rs. 550/-**

15. PAINTING NEW SURFACE.

Preparing surface and painting of door and window; any type i/c edge three coats (GSI No: 5, P/70).

**93.50 Sft. Rs.2116/41 P%Sft. Rs.1979/-**

16. White washing One coat. (GSI No: 26, P/54).

**1068.0 Sft. Rs.416/63 P% Sft. Rs. 4450/-**

17. Colour washing two coats (GSI No: 25, P/54)

**1068.0 Sft. Rs.859/90 P% Sft. Rs. 9184/-**

18. White wash three coat (GSI No: 28 P-54)

**192.0 Sft Rs. 829/95 P% Sft Rs. 1594/-**

##### Total:- Rs.286964/-

***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.*

1. *No premium will be allowed for non-schedule items.*
2. *The decision of the Superintending Engineer, Public Health Engineering Circle Mirpurkhas will be final and binding the parties in any dispute.*

EXECUTIVE ENGINEER

CONTRACTOR. PUBLIC HEALTH ENGG: DIVISION

SANGHAR