***SCHEDULE B* PROVIDING LAYING JOINTING AND TESTING PVC DISTRIBUTION SYSTEM FOR WATER SUPPLY SCHEME PHASE-II JHOL CITY DISTRICT SANGHAR.**

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

**DISTRIBUTION SYSTEM**

# 1. Dismantling and removing road metalling (GSI No. 51 P/13)

6960.0 @Rs. 605/- P% Cft Rs. 42108/-

# 2. 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).

94415.00 Cft. @Rs. 3600/- P%0 Cft Rs. 339894/-

# 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).

61797.00 Cft. @Rs. 5400/- P%0 Cft Rs. 333704/-

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 (PHSI No.1 P/22)

8” dia 3050.0 Rft @Rs. 402/- P/Rft Rs. 1226100/-

6” dia 5300.0 Rft @Rs. 262/- P/Rft Rs. 1388600/-

4” dia 3600.0 Rft @Rs. 137/- P/Rft Rs. 493200/-

3” dia 12350.0 Rft @Rs. 90/- P/Rft Rs. 1111500/-

4 C.I fitting for pressure pipe Class B (PHSI (M) No.18 P/28)

i) Bend 90 8” dia 6.0 Nos @Rs. 3312/50 Each Rs. 19875/-

ii) Bend 90 6” dia 8.0 Nos @Rs. 2212/50 Each Rs. 17700/-

iii) Bend 90 4” dia 4.0 Nos @Rs. 893/75 Each Rs. 3575/-

iv) Bend 90 3” dia 10.0 Nos @Rs. 650/- Each Rs. 6500/-

v) Tee 6”x6”x6” 8.0 Nos @Rs 1950/- Each Rs. 15600/-

vi) Tee 6”x6”x4” 6.0 Nos @Rs 1375/- Each Rs. 8275/-

vii) Tee 6”x6”x3” 6.0 Nos @Rs 1375/- Each Rs. 8250/-

viii) Tee 4”x4”x4” 12.0 Nos @Rs 1375/- Each Rs. 16500/-

ix) Tee 3”x3”x3” 20.0 Nos @Rs 968/75 Each Rs. 19375/-

ii) 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) 1x1=1 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 1x2 = 2 Nos @Rs. 375/- Each Rs. 750/-

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) 6” dia 1x28 = 28.0 Joint @Rs. 96/- P/Joint Rs. 2688/-

ii) 4” dia 1x16 = 16.0 Joint @Rs. 70/- P/Joint Rs. 1120/-

iii) 3” dia 1x20 = 20.0 Joint @Rs. 59/- P/Joint Rs. 1180/-

iv) 8” dia 1x6 = 6.0 Joint @Rs. 110/- P/Joint Rs. 660/-

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 1x6 = 6 Joints @Rs. 938/- P/Joint Rs. 5628/-

4” dia 1x14 = 14 Joints @Rs. 513/- P/Joint Rs. 7182/-

3” dia 1x34 = 34 Joints @Rs. 499/- P/Joint Rs. 16966/-

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)

1x3 = 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).

146855.0 Cft @Rs: 2760/- P%0 Cft Rs. 405320/-

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

3960.0 Cft . Rs.9416/28 P% Cft. Rs. 372885/-

10. 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).

3000.0 Cft @ Rs.14429/25 P% Cft. Rs. 432878/-

Grand Total Rs. 6407021/-

**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