**SCHEDULE – B**

**NAME OF WORK:- PROVIDING /INSTALLING AND TESTING PUMPING MACHINERY 25.0 BHP I/C DIESEL ENGINE 36.0 HP FOR RAIN WATER AND SALINITY WATER PUMPING STATION FROM JUMMAN SHAH KHAD TANDO ADAM CITY TO TANDO ADAM BRANCH NEAR SHAHDADPUR ROAD TALUKA TANDO ADAM DISTRICT SANGHAR.**

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| **S.No.** | **Item of work** | **Qty:** | **Rate** | **Unit** | **Amount** |

1. Supplying and installing in position i/c transportation to site of work @ Drainage Scheme Juman Shah Khad electric pumping sets consisting of AC Electric Motor 25 BHP 3 phase 50 cycles 400/420 volts of 1450 RPM Siemens made (Type 100 M AA 60) coupled with non clogging pump (Type (Type KWP2-150-315) SIZE 6”x 6” mounted on base plate capable of discharge 700 gallons per minute against a head of 55’ ft i/c installing of pumping set on cement concrete foundation ration (1:2:4) and C.C (1:4:8) with ballast with M.S nuts and bolts of 5/8” to be embedded in FF foundation i/c providing Motor control unit MCU/SD 25.0 BHP A consists of circuit breaker, magnetic contractor, over load protection, under/over voltage protection, phase failure protection, Ammeter with current transformer, voltmeter with potential transformer automatic Star-Delta change over switch, control an power cables, indicating lights and all these components are fixed in a metallic dust and smoke proof box (Made). i/c providing and fixing ear thing set with 2’x2’x1/4”copper plate buried in ground at a depth of 12” or less in water comes out from the ground level with salt and charcoal etc i/c making the pit 12” deep by excavation of all type of soil, earth plate to be connected with No: 8 S/W/G bare copper wire run in ½” G.I pipe straight from the earth plate i/c 72 hours testing charges. (R.A Attached)

1×2=2 Set. Rs: 1127350/- P/Set. Rs.2254700/-

1. Supplying & installing Diesel Engine set i/c transportation to site of Drainage Scheme Juman Shah Khad Diesel Engine 36.0 BHP (China made) /2200 RPM i/c standard accession coupled wit KSB non clogging pump tupe KWP2(150-315) capable discharge 700 gallon Per Minute against a head of 55’ ft mounted on common steel frame or base plate including installing of Diesel Pumping sets on cement concrete foundation Ratio 1:2:4 with Ms nuts & bolts of 5/8” dia to be embedded in CC foundation plinth of the pumping set for 72 hours under actual working condition etc complete (R.A Attached).

1x1=1 Set. Rs: 933585/- P/Set. Rs.933585/-

3. M/I M.S pipe made out M.S Sheet 1/16” thick cutting folding to curvature and shape i/c welding etc complete. (R.A.A Based on Schedule)

6"Ø

36.0 Rft Rs. 749/\*34 P/Rft Rs. 26976/-

Providing & Fixing P.E Pipe PN-10 --------- (PHSI No:1 P-26 )

6"Ø

23.0 Rft Rs. 530/- P/Rft Rs. 12190/-

***VERTICAL SUCTION***

6"Ø 3×10= 30 Rft Rs. 530/- P/Rft Rs. 15900/-

3. Manufacturing Installing M.S flanged made out M.S Sheet 3/8” thick cutting drilling holes etc complete (R.A approved based on schedule)

**6"Ø** 3×2 = 6.0 Nos: Rs.804/77 Each. Rs.4829/-

4. P.E Elbow 900 (SMINo: B P-18)

**6"Ø** 1×3 = 3.0 Nos: Rs.4349/- Each. Rs.13047/-

5. P.E equal Tee 6” Dia (SMINo: D P-19) PN-10

1×2 = 2.0 Nos: Rs.5219/- Each. Rs. 10438/-

6. Supplying & fixing flange adapter (Market Rate) PN-10

**6"Ø**  1×9= 9.0Nos: Rs.2025/- Each. Rs. 18225/-

7. C.I Sluice valve heavy pattern (test pressure) 21 kg per sq:or 300 lbs/sq: inch (PHSINo:1 P/12)(Imported)

6"Ø. 3.0 No: Rs.9360/- Each. Rs. 28080/-

8. C.I Reflex valve heavy pattern (test pressure) 21 kg per sq: or 300lbs/sq: inch(PHS.I.No:1 P/12)(Imported)

**6"Ø**. 1×3 = 3.0 Nos: Rs.4062/50 Each. Rs. 12188/-

9. C.I Foot valve heavy pattern with cone type gate imported. (S.O..M.I.No: 4 P/12)Imported.

6"Ø. 1×3 = 3.0 No: Rs.1381/25 Each. Rs.4144/-

10. C.I Bends with flanged end with holes i/c turning facing of flanges for all size (P.H.S.I.NO:8 P/13)

6"Ø. 55.83 Kg Rs.120/- Each. Rs. 6700/-

11. Jointing C.I M.S flanged pipe and specials flanged and inside a trenches i/c supplying rubber packing of the required thickness nuts and bolts with washer etc and other tools required for jointing and testing joints to the specified pressure etc complete. (P.H.S.I.No: 1 P/40)

6"Ø. 1×15 = 15.0 Joints. Rs.938/ P/Joint. Rs. 14070/-

12. Bult fusion joints (SMI P-15)

1×17=17.0 Joints Rs.1000/- P/joint Rs. 17000/-

Rs.3372072/-

***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