

STANDARD BIDDING DOCUMENTS

Name Of Work:- Supplying & Fixing Pumping Machinery @ Disposal Works For O/M Rural Drainage Scheme Dhinghano Bozdar District Tando Allahyar

PUMPING MACHINERY

1. Providing and installing in position i/c transportation at site of site work for rural drainage scheme Dhinghano Bozdar electric pumping set consist of electric motor 10 BHP 3-phase 50 cycle 400/420 volts of 1500 RPM (Siemens) type (1LA7-132 M -4AA-60) coupled with Non-clogging pump KSB type KWP(65-315) Size 3" X 2.50" mounted on common steel frame or base plate capable discharge of 200 GPM against the head of 80 ft.i/c installing of pumping set on c.c foundation ratio(1:2:4) with M.S nuts & bolts of 5/8" dia to be embedded in c.c foundation i/c providing & fixing on prepared board Automatic MCU/SD consist of A.C 50 cycles 3 phase 12/25 ampere trip rating push button type star delta starter complete with voltages & over load relay i/c fixing metallic board to accommodate main or sub main control switch recessed in the wall size 3"x2 1/2" & providing internal electric wiring for main with 3-7/0.85(7/0.36) PVC insulated wire 660 volts grade in 25 mm(1") PVC conduit on surface as required i/c providing & fixing ear thing set with 0.6mx0.6mx6.3m(2'x2'x1/4") copper plate buried in the ground at a depth of 3.7 M(12 ft) or less as per Pak PWD specification and testing of the pumping set against the required head & discharge per 72 hours etc complete.(R.A. Attached).(1 set @ disposal works & 1 set @ oxidation ponds).

1 set	@Rs.	P/set	Rs.
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2. Manufacturing & installing M.S pipe made out of M.S sheet of 3/16" thick cutting and folding to required curvature and shape i/c welding etc complete.(R.A.A).

For Delivery

25.00 rft	@Rs.	P/rft	Rs.
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For Suction

18.00 rft	@Rs.	P/rft	Rs.
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3. Manufacturing and installing M.S flange made out of M.S sheet 3/8" thick cutting drilling holes etc complete.(R.A.A).

4" dia 8 Nos	@Rs.	Each	Rs.
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3" dia 4 Nos	@Rs.	Each	Rs.
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4. C.I bend with flange ends with holes i/c tuning & facing of flange for all size.(PHSMI.NO:8-P/11).

2.56 cwt	@Rs.	P.cwt	Rs.
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5. Foot valve heavy pattern with cone type gate.(imported).(PHSMI.NO:4-P/10).

3" dia 1 Nos	@Rs.	Each	Rs.
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6. Sluice valve heavy pattern.(test pressure 21 kg/sq.cm or 300 lbs/sq.inch).(imported).(SOMI.NO. 2-P/9).

4" dia 1 Nos	@Rs.	Each	Rs.
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7.	Reflex valve heavy pattern.(test pressure 21 kg/sq.cm or 300lbs/sq.inch).(imported).(PHSMI.NO:6-P/10).			
	4”dia 1 Nos	@Rs.	Each	Rs.
8.	Jointing C.I / M.S flanged pipes & specials flanged inside trench i/c supplying rubber packing of the required thickness nuts & bolts with washers’ etc & other tool required for jointing & testing the joint to the specified pressure etc complete.(PHESI.NO:1-P/35).			
	4” dia 18.00 joints	@Rs.	P.Joint	Rs.
	3” dia 09.00 joints	@Rs.	P.Joint	<u>Rs.</u>
			Total	Rs.

TERMS AND CONDITIONS.

1. The rates should be inclusive of all taxes i.e. sale tax, octroi, royalties etc if any.
2. No separate carriage will be allowed to the Firm/Contractor.
3. No premium will be allowed on non schedule items.
4. Sweet water will be used in construction work.
5. The testing of work will be arranged by the Firm/Contractor at his on cost. No separate payment will be made.
6. Any error or omission in the specification item will be governed by the relevant specification & schedule of rates.

Contractor/ Firm

*Executive Engineer
Public Health Engg: Division
Tando Allahyar.*