

Budgetary offer

Name of Work - Job work of Design, manufacturing , supply ,erection, testing and commissioning of pumping machinery of 750 HP-3 Nos. each and allied equipments for **ANDHALI LIS** Dist Satara

Item No	Description	Qty	Unit	Rate /Unit
1	Vertical Turbine Pump (750 HP) Design with quality assurance plan at all stages of manufacturing supply,erection,testing to full capacity & commissioning at site of work of Self lubricated Vertical Turbine pumps 750 HP (Tentatively), non pull out type, complete with strainer, suction bell, column assembly, Discharge case/Discharge Tee motor stool, flexible coupling, sole plates, base frame foundation,non-reversible rotation ratchet arrangement etc.suitable for following duties specification and confirming to specifications as given below.	3	Nos	
	1) Duty point discharge 0.693 m3/sec			
	2) Duty point head 71.02 Mtr.			
	3) Head range : (53 to79) m			
	4) Pump HP 750			
	5) Max Syn.speed -1000 RPM			
	6) Column pipe Dia - 700 mm			
	7)Delivery pipe Dia - 600 mm			
	8)Column pipe thickness - 8 mm			
	9) No. of pumps working in parallel -3			
	10) pump efficiency - 90%			
2	Induction Motors (H.T. Motors) Providing, Erecting, testing & trial of Squirrel Cage Induction Motors Vertical Flange Mounted CACW (Closed Air Circuit Water Cooled), Forced Water Cooled confirming to IS IS: 4691 / IEC: 60034-5 having continuos rating suitable for Operation at 6.6 KV +/- 10 % , 3 Phase, 50 Hz +/- 3%, with F class insulation, Temp Rise limited to Class B Insulaton. Motor shall be fitted with Suitable Space Heater & Six No of RTDs for Stator winding & Bearings installing at site of works and testing to full capacity, solid shaft suitable for Contineous 10 % Overload Operation	3	Nos.	
	On voltage mentioned below 3 phase 50 Hz with voltage variation of 6 % and frequency variation 3% suitable for direct coupling with pumps under item No.1 as per latest revision of IS 325, Is 4722 & other Relevant IS specifications to meet the power requirement of pumps with 5 % additional capacity over entire Operating range, suitable for following duties, specifications & conforming to detailed specifications. HT MOTORS : Operating volt - 6.6 kV Minimum Motor O/P rating of 610 kW, motor rpm=1000 rpm,motor efficiency 95 %.			
3	Spares And tools	1	Job	
4	Sump model study	1	Job	

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