


GOVERNMENT OF MAHARASHTRA					
WATER RESOURCES DEPARTMENT					
Budgetary Offer No. 1/2017					
Issue Date :- 27.06.2017					
Closing date :- 04.07.2017					
Opening date :- 05.07.2017					
Executive Engineer, Mechanical Engineering Workshop Division Link Road Sadar Nagpur					
Online Sealed rates are invited on Agencies letter head only by the Executive Engineer, Mechanical Engineering Workshop Division Link Road Sadar Nagpur (Phone No. 0712- 255346) for the purpose of estimation of the following works. On eemewdngp@yahoo.co.in					
Budgetary offer for design, manufacturing, supply, erection, testing and commissioning of surge protection equipment for rising main having dia 1300 mm and length 5500 m with kinetic double orifice type air valve at Tedhawa Shiwani Lift Irrigation Scheme Distt. Gondia.					
			Design, manufacturing, supply, erection, testing and commissioning of surge protection equipment for rising main having dia 1300 mm and length 5500 m with kinetic double orifice type air valve at Tedhawa Shiwani Lift Irrigation Scheme Distt. Gondia having following specification including all taxes, transportation, loading, unloading etc. at site. Complete Job.		
			A) Rising main		
			i) Diameter of rising main = 1300 mm		
			ii) Length of rising main = 5500 m		
			iii) Discharge of rising main = 2.82 m ³ /sec		
			iv) Thickness = 11 mm for 0 m to 3869 m & 8 mm for 3869 m to 5500 m		
			v) Number of rows = 01 Nos.		
			vi) Material of rising main = mild steel		
			vii) Non return valve (NRV) already provided for each pump = 700 mm dia		
			viii) Allowable pressure as per pipe thickness & materials		
			a) Maximum pressure = +250 m for 11 mm thk & +182 m for 8 mm thk.		
			b) Minimum pressure = -27.56 m for 11 mm thk & -10.60 m for 8 mm thk.		
			ix) Surge pressure developed after using surge protection equipment-		
			a) Maximum pressure = +35.121 m		
			b) Minimum pressure = -0.041 m		
			B) Vertical Turbine Pump-		
			i) Rated head = 44.70 m		
			ii) Number of working pumps = 03 Nos.		
Sr. No.	Qty.	Unit	Description	Rate Rs. P.	Amount
1	1	No.	Item No. 1:- Air vessel with all connection, supports and accessories like NRV, pressure gauges, safety valve, water level sensor etc as per IS 2825. i) Capacity = 50 m ³ / 6 bar ii) Position = Horizontal iii) Internal Diameter = 3.5 m iv) Long (Tan line to tan line distance) = 5.1995 m with two dish ends.		
2	1	No.	Item No. 2:- Air storage tank as per IS 2825 Air storage tank suitable for above mentioned air vessel with all connections, supports and accessories like NRV, pressure gauges etc.		
3	10	Nos.	Item No. 3:- Kinetic double orifice type air vale C. I. temperproof double orifice type kinetic air valve with appropriate size conforming to IS 14885:2000, PN rating 1.6		
4	1	No.	Item No. 4:- Connecting pipe (From rising main to air vessel) Connecting pipe line with necessary bends/flages etc. of diameter 0.9 m, fabricated from m. s. conforming to IS 2062.		
5	1	No.	Item No. 5:- Differential orifice Differential orifice of size 09 m x 0.45 m suitable for 0.9 m dia connecting pipe.		
6	1	No.	Item No. 6:- Isolating valve:- Isolating valve such as sluice/Butterfly valve for 0.9 m connecting pipe line of dia 0.9 m as per IS 13095.		
7	1	No.	Item No. 7:- Diesel generator set:- Diesel generator set suitable for above mentioned air vessel with all connections and accessories.		
8	1	No.	Item No. 8:- Air Compressor:- Air compressor driven by electric motor suitable for above mentioned air vessel with all connections and accessories.		
9	1	No.	Item No. 9:- Foundation platform Casting of suitable foundation platform for above mentioned air vessel which includes excavation, providing & laying in situ cement concrete M10 and M20 with reinforcement of ms bars.		
10	1	No.	Item No. 9:- Foundation platform Casting of suitable foundation platform for above mentioned air storage tank which includes excavation, providing & laying in situ cement concrete M10 and M20 with reinforcement of ms bars.		

Note:- The design of above surge protection equipment like air vessel and air storage tank should be certified by approved or certified agency for pressure vessel.


 Executive Engineer
 Mechanical Engineering Workshop Division
 Nagpur

जा.क्र. यांकविना/तांशा-१/बजेटरी ऑफर/	१७४२	/२०१७	कार्यालय कार्यकारी अभियंता यांत्रिकी अभियांत्रिकी कर्मशाळा विभाग, सदर, नागपूर
☎ :- (०७९२) २५३४६८५			
फॅक्स :- (०७९२) २५३४६८५			
ई.मेल :- eemewdngp@yahoo.com			दिनांक :- २३/०६/२०१७

प्रति,


मा. अधीक्षक अभियंता
यांत्रिकी मंडळ
नागपूर

विषय :- बजेटरी ऑफर मा. मुख्य अभियंता यांच्या वेबसाईटवर प्रकाशित करण्याबाबत.

उपरोक्त विषयाच्या अनुषंगाने, यांत्रिकी कर्मशाळा विभाग, नागपूर अंतर्गत तेढवा शिवणी उ.सि.यो गोंदिया.चे सहपत्रात नमुद कामे करणे करण्याकरीता बजेटरी ऑफर मा. मुख्य अभियंता (यां.) यांच्या वेबसाईटवर प्रकाशित करावे हि विनंती.

प्रसिद्धीचा दिनांक - २७/०६/२०१७

सहपत्र - बजेटरी ऑफर


कार्यकारी अभियंता
यांत्रिकी अभियांत्रिकी कर्मशाळा
विभाग, नागपूर

प्रत - मा. मुख्य अभियंता (यांत्रिकी), जलसंपदा विभाग, नाशिक यांना माहितीसाठी सविनय सादर.

सहपत्र - बजेटरी ऑफर