

**Government of Maharashtra**

**Water Resources Department.**

**Superintending Engineer, Mechanical Circle, Kolhapur**

Budgetary offer for the following work (*Non DSR items*) are invited by the Executive Engineer, Mechanical Division, Satara-415003 Phone No. 02162-246029 on behalf of Governor of Maharashtra for estimation purpose from the eligible Pump Manufacturers/contractor,.

The Government of Maharashtra, Water Resources Department, has undertaken the work of Design with quality assurance plan at all stages of manufacturing supply, erection, testing & commissioning at site of work of **Submersible** Vertical End Suction Pump motor set of 225HP (Tentatively) - 2Nos, & 428HP (Tentatively) - 4Nos operating at 3.3KV and allied equipments for Ner Lift Irrigation scheme Stage-I & Stage-II respectively Tal-Khatav, dist-Satara. The details and short specifications of items on the basis of preliminary calculations are available on the website mentioned below.

It is requested to send the budgetary offer mentioning item wise rates with rate analysis for the same. The rates should without GST and duties. The offer should reach this office within 10 days with effect from **21.12.2020** to **30.12.2020** on email./ by post/by hand Further it is requested to forward relevant Technical literature, brochures of equipments and your comments if any.

Sr. No.	Name of work	Remarks
1	Design with quality assurance plan at all stages of manufacturing supply, erection, testing & commissioning at site of work of <b>Submersible</b> Vertical End Suction Pump motor set of 225HP (Tentatively) - 2Nos, & 428HP (Tentatively) - 4Nos operating at 3.3KV for Ner Lift Irrigation scheme Stage-I & Stage-II respectively Tal-Khatav, dist-Satara.  (Note - 1.Rates should be only for pump motor Set, 2. Rates should be without GST & other levies must be mentioned separately)	Please refer Website for detailed Schedule

This information is required for the purpose of framing of working estimates and hence the urgency. This Budgetary offer is also available on website [www.mahayantriki.org](http://www.mahayantriki.org) Bidder is requested to act in given time frame.

No.MDS/PB-2/Ner LIS/ 3374/20 20  
office of the Executive Engineer,  
Mechanical Division ,  
Krishnanagar, Satara PIN- 415003.  
Phone/fax No.02162/246029  
e-mail [eeindsatara@gmail.com](mailto:eeindsatara@gmail.com)  
Date- 18/12/2020

(A.R.Kalmegh)  
Executive Engineer,  
Mechanical Division, Satara.

**Copy** submitted to the Superintending Engineer, Mechanical Circle, Kolhapur for favour of information please. *Enclosure: Schedule*

**Copy** submitted to the Superintending Engineer, Satara Irrigation Project Circle, Satara for favour of information please. *Enclosure: Schedule*

**Copy** forwarded with complements to the Executive Engineer, Jihe Kathapur Lift Irrigation Division, Satara for information. *Enclosure: Schedule*

**Copy** forwarded to Deputy Engineer, Urmodi Lift Irrigation (M & E) sub Division, Rahimatpur HQ Satara. *Enclosure: Schedule*

Copy to M/s-

- 1) **Xylem Water Solutions Pvt.Ltd,**  
Ground & First Floor,Vishnu Shivam Mall, Thakur Villegge ,  
Kandivali (East), Mumbai – 400101.
- 2) **Aqua Machineries PVT Ltd**  
S.No-81/1,Plot No-5,Ishakrupa Banglo,Arkid school lane,Baner,Pune-411045.  
Survey No. 566/7, Hiware Road, Sasawad – 412301. Dist. Pune.
- 3) **Groundfos Pumps India Pvt Ltd**
- 4) **Kishore Pumps Private Ltd,**  
Chinchwad Pune  
Mulund (West), Mumbai - 400080
- 5) **MBH Pumps Pvt Limited,**  
Gujrat
- 6) **Deccan Industries Pvt Ltd ,**  
Coimbatore

## Budgetary offer

**Name of Work - Job work of Design, manufacturing , supply ,erection, testing and commissioning of pumping machinery of 225 HP -2 Nos. Submerged Centrifugal Pump Vertically Mounted with motor each and allied equipments for NER LIS I Tal khatav Dist Satara**

Item no	Description of work	Qty	Rate	Rate / Unit
			Rs.	
1	<b>Submerged Centrifugal Pump Vertically Mounted with motor</b> Providing, installing at site of works and giving test to full Capacity, Submerged centrifugal Pump vertically Mounted with motor. Motor housing shall be conforming to IP- 68. Pump shall be suitable for 3 % floating sand. Pump casing & cover shall be of material grade CIFG 260:IS210 .Pump impeller shall be confirming to stainless steel CF8M-SS316, SS410- Shaft & Hardware shall be confirming to SS316. Motor winding with class H insulation with temp. rise limited to class F. The motor works on 3.3KV,3 Phase,50Hz,AC,Duty S1, supply with cable guard ,thrust bearing, 2 RTD's for top & bottom bearing, 3 RTD's for Motor winding, water leak sensors etc. The Pump set shall be suitable for direct coupling with suction strainer & discharge outlet as per manufacturer's design. The Pump shall be started on FCMA starter. Appropriate control system, protection& interlock should be provided for over temp, water leak, over load ,low water level with fault annunciation & trip alarm. The pump shall be supplied with appropriate spares as per manufacturer's recommendations etc. complete for following duties, Specification . The Pump shall be supplied with auto coupling with guide bar system.	2	nos	
	a) Duty point discharge = 0.2615 m3/sec (939.6			
	b) Duty point head = 49.39 m			
	c) Head range = 37 to 55 m			
	d) Pump Hp.= 225 HP			
	e) Pump Efficiency= 79%			
	f) Max. Syn. RPM= 1500 RPM			
	g)Discharge Type=Surface			
	h) Delivery pipe dia. (min) =400 mm			
	i)Max. No of pumps working in parallel = 2 Nos			
	j) Application = Raw Water			
	k) Guide Rail without Strip=10 mtr			
	l) Lifting Chain =10 m			
	m)Submersible Motor Cable= 10 m			
	n) Motor kW = 195 KW			
	o) Rated Operating Voltage = 3.3 kV			
	p) RPM = 1500 RPM			
2	Spares And tools	1	Job	
3	Sump Model Test	1	Job	

(A.R.Kalmegh)  
Executive Engineer,  
Mechanical Division, Satara.

### Budgetary offer

**Name of Work - Job work of Design, manufacturing , supply ,erection, testing and commissioning of pumping machinery of 428 HP- 4 Nos. Submerged Centrifugal Pump Vertically Mounted with motor each and allied equipments for NER II LIS Tal khatav Dist Satara**

Item no	Description of work	Qty	Rate	Rate / Unit
			Rs.	
1	<b>Submerged Centrifugal Pump Vertically Mounted with motor</b>  Providing, installing at site of works and giving test to full Capacity, Submerged centrifugal Pump vertically Mounted with motor. Motor housing shall be conforming to IP- 68. Pump shall be suitable for 3 % floating sand. Pump casing & cover shall be of material grade CIFG 260:IS210 .Pump impeller shall be confirming to stainless steel CF8M-SS316, SS410- Shaft & Hardware shall be confirming to SS316. Motor winding with class H insulation with temp. rise limited to class F. The motor works on 3.3KV,3 Phase,50Hz,AC,Duty S1, supply with cable guard ,thrust bearing, 2 RTD's for top & bottom bearing, 3 RTD's for Motor winding, water leak sensors etc. The Pump set shall be suitable for direct coupling with suction strainer & discharge outlet as per manufacturer's design. The Pump shall be started on FCMA starter. Appropriate control system, protection& interlock should be provided for over temp, water leak, over load ,low water level with fault annunciation & trip alarm. The pump shall be supplied with appropriate spares as per manufacturer's recommendations etc. complete for following duties, Specification . The Pump a) Duty point discharge = 0.4907 m3/sec (1766.52 m³/hrs ) b) Duty point head = 51.56 m c) Head range = 38 to 57 m d) Pump Hp.= 428 HP e) Pump Efficiency= 79% f) Max. Syn. RPM= 1000 RPM g)Discharge Type=Surface h) Delivery pipe dia. (min) =500 mm i)Max. No of pumps working in parallel = 4 Nos j) Application = Raw Water k) Guide Rail without Strip=10 mtr l) Lifting Chain =10 m m)Submersible Motor Cable= 10 m n) Motor kW = 380 KW o) Rated Operating Voltage = 3.3 kV p) RPM = 1000 RPM q)spares And tools	4	nos	
2	Spares And Tools	1	Job	
3	Sump Model Test	1	Job	

(A.R.Kalmegh)  
 Executive Engineer,  
 Mechanical Division, Satara.