

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 Vertical Turbine Pump motor set of **Vertical turbine pump 1960 HP (Tentatively) operating at 11KV at stage 1 - 3Nos, Horizontal Split casing pump 2315 HP (Tentatively) operating at 11KV- at stage -2 -3 nos and Horizontal Split casing pump 2435 HP (Tentatively) operating at 11KV at stage -3 3 nos allied equipments for Jihe Kathapur Lift Irrigation scheme Stage-I ,stage II and stage III second line at-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 Vertical turbine pump 1960 HP (Tentatively) stage 1 - 3Nos, Horizontal split casing pump 2315 HP (Tentatively) at stage -2-3 nos and Horizontal split casing pump 2435 HP (Tentatively) at stage -3 – 3 nos operating at 11KV with allied equipments for Jihe Kathapur Lift Irrigation scheme Stage-I ,stage II and stage III second line at-Khatav, dist-Satara. (Note - . 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 Bidder is requested to act in given time frame.

No.MDS/PB-2/Ner LIS/ 3376 /2020
office of the Executive Engineer,
Mechanical Division ,
Krishnanagar, Satara PIN- 415003.
Phone/fax No.02162/246029
e-mail 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) **Kirloskar Brothers Ltd.**, Project Division,
“Yamuna”, S.No.98/327, Baner, Pune – 411 019.
- 2) **Wilo, Mather and Platt Pumps Pvt.Ltd.**
Ground floor of “Elpro Vision Exchange”, Elpro Compounds,
CTS No.4210, Chinchwad Pune- 411033.
- 3) **Jyoti Ltd,**
Industrial area ,Vadodara, Gujrat-390003
- 4) **Flowmore Private Ltd,**
09, Max. Mulund-Goregaon Link Road,
Mulund (West), Mumbai - 400080
- 5) **WPIL Limited,**
10 & 11, Bhagatani Enclave, Sonapur Lane, off.L.B.S.Marg,
Bhandup, Mumbai- 400078
- 6) **Xylem Water Solutions Pvt.Ltd,**
Ground & First Floor, Vishnu Shivam Mall, Thakur Vilege ,
Kandivali (East), Mumbai 400101.

Budgetary offer

Name of Work - Job work of Design, manufacturing , supply ,erection, testing and commissioning of pumping machinery of 3 Nos. 1960 HP each and allied equipments for Jihe Kathapur LIS 1st stage --2nd line Dist Satara

Item No	Description	Qty	Unit	Rate /Unit
1	<p>Vertical Turbine Pump (1960 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 1960 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</p> <p>1) Duty point discharge 1.733 m3/sec 2) Duty point head 76.22 Mtr. 3) Head range 57 to84 m 4) No. of impeller stages -2 5) Pump HP 1960 6) Max Syn.speed -750 RPM 7) Column pipe Dia - 1100 mm 8)Delivery pipe Dia - 1000 mm 9)Column pipe thickness - 12 mm 10) No. of pumps working in parallel -3 11) Force water lubricated 12) Delivery Type : Sub surface 13) pump efficiency - 90%</p>	3	Nos	
2	<p>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</p> <p>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 - 11 kV Minimum Motor O/P rating of 1600 kW, motor rpm=750 rpm,motor efficiency 95 %.</p>	3	Nos.	
3	Spares And Tools			
4	Sump model study	1	Job	

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Executive Engineer
Mechanical Division,satara

Budgetary offer

Name of Work - Job work of Design, manufacturing , supply ,erection, testing and commissioning of pumping machinery of 3 Nos. 2315 HP each and allied equipments for Jihe Kathapur LIS II ---2nd line Dist Satara

Item No	Description	Qty	Unit	Rate /Unit
1	Horizontal Split Casing Pump (2315 HP) Providing ,installing at site of works and giving test to full capacity horizontal split case pump 2315 HP(Tentatively) of axial split case double suction type complete for pumping raw water suitable for following duties specification and confirming to detailed specification 1) Duty point discharge 1.733 m ³ /sec 2) Duty point head 88.02 Mtr. 3) Head range 57m to 84 m 4) No. of impeller stages - Single Stage Double Suction 5) Pump HP 2315 6) Max Syn.speed -750 RPM 7) Suction pipe Dia minimum - 1200 mm 8) Delivery pipe Dia - 1000 mm 8) No. of pumps working in parallel -3 9) pump efficiency - 88%	3	Nos	
2	Induction Motors (H.T. Motors) Providing, Erecting, testing & trial of slid horizontal shaft couple with Squirrel Cage Induction Motors TEFC /I CACW F/H class insulation suitable for operation on voltage mentioned below. 3 Phase, 50 Hz with voltage variation +/- 6% and frequency variation +/- 3%, suitable for direct coupling with centrifugal pump under serial no 1 as per latest revision of IS 325 ,IS 4722 and other relevant IS specification to meet the power requirement of pumps with 5% additional capacity over entire operating range. HT MOTORS : Operating volt - 11 kV Minimum Motor O/P rating of 2100kW, motor rpm=750 rpm, motor efficiency 95 %.	3	Nos.	
3	Spares And Tools			
4	Sump model study	1	Job	

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Budgetary offer

Name of Work - Job work of Design, manufacturing , supply ,erection, testing and commissioning of pumping machinery of 3 Nos. 2435 HP each and allied equipments for Jihe Kathapur LIS III ---2nd line Dist Satara

Item No	Description	Qty	Unit	Rate /Unit
1	Horizontal Split Casing Pump (2435 HP) Providing ,installing at site of works and giving test to full capacity horizontal split case pump 2435 HP(Tentatively) of axial split case double suction type complete for pumping row water suitable for following duties specification and confirming to detailed specification 1) Duty point discharge 1.733 m3/sec 2) Duty point head 92.66 Mtr. 3) Head range 69m to 102 m 4) No. of impeller stages - Single Stage Double Suction 5) Pump HP 2435 6) Max Syn.speed -750 RPM 7) Suctiobn pipe Dia minimum - 1200 mm 8)Delivery pipe Dia - 1000 mm 8) No. of pumps working in parallel -3 9) pump efficiency - 88%	3	Nos	
2	Induction Motors (H.T. Motors) Providing, Erecting, testing & trial of slid horizontal shaft couple with Squirrel Cage Induction Motors TEFC / CACW F/H class insulation suitable for operation on voltage mentioned below. 3 Phase, 50 Hz with voltage variation +/- 6% and frequency variation +/- 3%, suitasble for direct coupling with centrifugal pump under serial no 1as per latest revision of IS 325 ,IS 4722 and other relevant IS specification to meet the power requirement of pumps with 5% additional capacity over entire operating range. HT MOTORS : Operating volt - 11 kV Minimum Motor O/P rating of 2100kW, motor rpm=750 rpm,motor efficiency 95 %.	3	Nos.	
3	Spares And Tools			
4	Sump model study	1	Job	

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