

**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.

The Government of Maharashtra, Water Resources Department, has undertaken the work of Dhangarwadi Lift Irrigation scheme Stage 2(North) & Stage 2 (South) . The work comprises of design, manufacture, supply, erection, testing and commissioning of the pumping machinery and allied equipments. The details and short specifications of items on the basis of preliminary calculations are available on the website mentioned below.

It was requested to send the budgetary offer on or before 28.07.2017 as per this office reference letter No.MDS/PB-2/Dhan.LIS/3087/of 2017 dated 02.08.2017 But due to less response from firms, date is now extended to 25.09.2017. Rates should be quoted itemwise and also supported by rate analysis for the same. The rates will cover all taxes and duties applicable. The offer should reach this office within on or before **25.09.2017** Further it is requested to forward relevant Technical literature, brochures of equipments and your comments if any.

<b>Sr. No.</b>	<b>Name of work</b>	<b>Remarks</b>
1	1) Design, manufacture, Supply Erection, Testing & Commissioning of 2 Nos. X 180 HP HSC (Inline Boosting) Pump Sets with allied equipments complete for Dhangarwadi St.2 (North)- Tal Karad.& Dist. Satara. ( <i>Schedule-I</i> )  2) Design, manufacture, Supply Erection, Testing & Commissioning of 2 Nos. X 135 HP HSC (Inline Boosting) Pump Sets with allied equipments complete for Dhangarwadi St.2 (South)- Tal Karad.& Dist. Satara. ( <i>Schedule-II</i> )  3) Single Girder EOT Crane 3 M.T. Capacity and Complete electrification for Dhangarwadi St.2 (North) and Dhangarwadi St.2 (South)	Please refer Website for detailed Schedules I to III.

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/Dhan. LIS/ **3551** /of 2017  
office of the Executive Engineer,  
Mechanical Division ,  
Krishnanagar, Satara PIN- 415003  
Phone/fax No.02162/246029  
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Date – 07.09.2017

(*P.B.Bhosale*)  
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, Kanher Canal Division No.2, Karawadi, Tal.Karad 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) **Mather and Platt Pumps Ltd.**,  
Mumbai-Pune road,  
Chinchwad, Pune Maharashtra India. - 411 019.
- 3) **Jyoti Ltd.**,  
Industrial area  
Vadodara, Gujarat- 390003
- 4) **Flowmore Private Ltd.**,  
**09**, Max. Mulund- Goregaon Link Road,  
Mulund (West),  
Mumbai- 400080
- 5) **Aqua Machinery Pvt. Ltd.**,  
Plot No. 3821, GIDC,  
Ahamadabad, PIN 382445  
Gujarat State
- 6) **WPIL Limited**,  
10 & 11, Bhagatani Enclave, Sonapur Lane, Off. L.B.S. Marg,  
Bhandup, Mumbai- 400078
- 7) **Xylem Water Solutions Pvt. Ltd.**,  
Ground & First Floor, Vishnu Shivam Mall, Thakur Villege, Kandivali(East),  
Mumbai-400101
- 8) **Shree Mahavir Electromechanicals pvt.ltd**, W5 MIDC Stage No-2 Akola,Pin code-  
444104.
- 9) **Allied Electro-mechanicals Pvt.Ltd** , Adhar Anath Hindu Mahilashram Building 244  
Narayan Peth Laxmi road ,Pune - 411030.

## SCHEDULE-I

**Name of Work :** Design, manufacture, supply ,erection, testing and commissioning of HSC inline boosting pumping machinery 2 Nos. 180 HP each (tentatively) and allied equipments for **Dhangarwadi** Lift Irrigation Scheme **Stage- II (North)** Tal.Karad, Dist. Satara, Maharashtra state.

Item No.	Description	Qty.	Unit	Rate	Amount in Rs.
1	<b>Horizontal Split Case Pumps</b> 1) Duty point Discharge = 0.345 Cub.m/sec 2) Duty point head =33.29 m 3) Head range = 24 to 37 m 4) No. of impeller stages = 1 stage 5) Pump HP = 180 HP/Motor KW= 146 6) Max. syn. RPM = 1000 rpm. 7) Suction Pipe dia. = 500 mm 8) Delivery Pipe dia. = 450 mm 9)Suction pipe thickness = 6 mm 10) Rising main dia= 650 mm 11) No. of pumps working in parallel = 2 12) Along with Necessary priming system complete	2	Nos.		
2	Non-Return Valve /Reflux Valve Dia. = 450 mm, P.N.rating = 1.0	2	Nos.		
3	Butterfly valve with electrical actuators Dia. = 450 mm, P.N.rating = 1.0	2	Nos.		
4	Tamper Proof Kinetic air valve Dia. =200 mm	2	Nos.		
5	Delivery pipe Dia. = 450 mm, Lenth 15 x2=30Mtr. Wall thickness = 6 mm,	30	Mtr.		
6	Dismantaling Joints Dia. = 450 mm Wall thickness =6 mm	2	Nos.		
7	L.T. Induction Motors (TEFC) Three phase, 50 Hz., 0.415 kV, 146 kW	2	Nos.		
8	Capacitors 50 KVAR to maintain 0.9 PF	100	KVAR		

9	<b>L.T. Panel / Motor Control Panel</b> L.T. distribution Panel suitable for 2 Nos x 146 kW motors in sheet metal enclosure incorporating ACB, MCCB, CT,PT, MF meter, Ameters, Voltmeters, selector switches, phase indicating lamps,switch fuse units with necessary duly painted, type tested.	1	No.		
10	<b>ATS starter</b> Auto transformer starter Dry / Immersed type with ACB suitable for operation on 380-440 Volts, 3 phase 50 Hz fitted with necessary accessories for above motors	1	No.		
11	Preparation of Cable schedule and supply, installation and testing of Power, Control cables etc. complete.	1	Job		
12	<b>Earthing</b> Providing, installing at site of works earthing comprising of adequate No. of earth stations, earth bars & individual double earthing to all electrical equipments as per detailed specifications.	1	Job		
13	Water level indicator	1	No.		
14	Temp. Scanner Panel	1	No.		
15	Testing, Commissioning, trials and operation etc.	1	Job		
16	<b>Spares &amp; Tools</b> Spares & tools required for running and maintenances of the scheme.	1	Set		
	<b>Total</b>				

Executive Engineer,  
Mechanical Division, Satara

## SCHEDULE-II

**Name of Work :** Design, manufacture, supply ,erection, testing and commissioning of HSC inline boosting pumping machinery 2 Nos. 135 HP each (tentatively) and allied equipments for **Dhangarwadi** Lift Irrigation Scheme **Stage- II (South)** Tal.Karad, Dist. Satara, Maharashtra state.

Item No.	Description	Qty.	Unit	Rate	Amount in Rs.
1	<b>Horizontal Split Case Pumps</b> 1) Duty point Discharge = 0.2155 Cub.m/sec 2) Duty point head =39.07 m 3) Head range = 29 to 43 m 4) No. of impeller stages = 1 stage 5) Pump HP = 135 HP/Motor KW=110 6) Max. syn. RPM = 1500 rpm. 7) Suction Pipe dia. =400 mm 8) Delivery Pipe dia. = 350 mm 9)Suction pipe thickness = 6 mm 10) Rising main dia= 530 mm 11) No. of pumps working in parallel = 2 12) Along with Necessary priming system complete	2	Nos.		
2	Non-Return Valve Dia. = 350 mm, P.N.rating = 1.0	2	Nos.		
3	Butterfly valve with electrical actuators Dia. = 350 mm, P.N.rating = 1.0	2	Nos.		
4	Tamper Proof Kinetic air valve Dia. =200 mm	2	Nos.		
5	Delivery pipe Dia. = 350 mm, Lenth 15 x2 =30 Mtr. Wall thickness = 6 mm,	30	Mtr.		
6	Dismantaling Joints Dia. =350 mm Wall thickness =6 mm	2	Nos.		
7	L.T. Induction Motors (TEFC) Three phase, 50 Hz., 0.415 kV, 110 kW	2	Nos.		
8	Capacitors 35 KVAR to maintain 0.9 PF	70	KVAR		

9	<b>L.T. Panel / Motor Control Panel</b> L.T. distribution Panel suitable for 2 Nos x 110 kW motors in sheet metal enclosure incorporating ACB, MCCB, CT,PT, MF meter, Ameters, Voltmeters, selector switches, phase indicating lamps,switch fuse units with necessary duly painted, type tested.	1	No.		
10	<b>ATS starter</b> Auto transformer starter Dry / Immersed type with ACB suitable for operation on 380-440 Volts, 3 phase 50 Hz fitted with necessary accessories for above motors	1	No.		
11	Preparation of Cable schedule and supply, installation and testing of Power, Control cables etc. complete.	1	Job		
12	<b>Earthing</b> Providing, installing at site of works earthing comprising of adequate No. of earth stations, earth bars & individual double earthing to all electrical equipments as per detailed specifications.	1	Job		
13	Water level indicator	1	No.		
14	Temp. Scanner Panel	1	No.		
15	Testing, Commissioning, trials and operation etc.	1	Job		
16	<b>Spares &amp; Tools</b> Spares & tools required for running and maintenances of the scheme.	1	Set		
	<b>Total</b>				

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### SCHEDULE-III

**Name of Work :** EOT Crane and Complete electrification for Dhangarwadi St.2 (North) and Dhangarwadi St.2 (South) Tal.Karad, Dist. Satara, Maharashtra state.

Item No.	Description	Qty.	Unit	Rate	Amount in Rs.
1	Single Girder EOT Crane,3MT Capacity	1	No		
2	Complete Electrification to Pump house and control room	1	Job		
	<b>Total</b>				

Executive Engineer,  
Mechanical Division, Satara