

Government of Maharashtra**Water Resources Department.****Superintending Engineer, Mechanical Circle (C.P.), Kolhapur**

Budgetary offer for the following work (*Non DSR items*) are invited by the Executive Engineer, Mechanical Division, Kolhapur-416003 Phone No. 0231-2651284 on behalf of Governor of Maharashtra for estimation purpose from pumping solutions providers / Pump Manufacturers.

The Water Resources Department, (Mechanical Organization), Government of Maharashtra, has taken up the work of Ambawade & Kamathi Lift Irrigation scheme proposed on Urmodi Dam. Considering the water level variation of almost 30m, floating (Pontoon mounted) submersible pumps are proposed for these schemes. The scope of work involves Supply, erection, testing and commissioning of the floating (Pontoon mounted) submersible pumps for desired duties with all allied electro-mechanical control equipments.

The details and short specifications of items on the basis of preliminary calculations are given below . Interested contractors are requested to go through the details and send the budgetary offers mentioning item rates with rate analysis for the same. The rates should cover all taxes and duties. The offer should reach this office on or before **31/08/2015**. Further it is requested to forward relevant Technical literature, brochures of equipments and your comments if any in this matter. For detailed specifications of work, if required, please contact to this division office for standard DTP of pumping machinery.

SCHEDULE

Sr. No	Description	Qty	Rate	Amount
1	SUBMERSIBLE PUMP WITH MOTOR Providing, erecting & commissioning at Urmodi Dam , Submersible pump sets with CI construction capable of Discharging 136.8 m ³ /hr. against head variation of 60 to 95 for Ambawade & Kamathi LIS , mounted on floating barge. as per detailed item wise specification.	2 Nos		
2	FLOATING BARGE : The Barge shall be designed to carry the weight / Thrust of the :- <ul style="list-style-type: none"> · Pump set weight · The self weight of M.S. skeleton Frame. · Dead & live weight of at least 100 m of PVC hose pipe of Dia. 200 mm of delivery piping. Suitable length cables. 	2 Nos		

Note:

Specifications for Submersible pump

- The pump should be capable to operate in between head variation of 60 to 95 with fairly constant efficiency @ 60%.
- Rated Speed : 3000 rpm. (Lower RPM @ 1500 suitable for above duties with proven track record will also be accepted)
- Rated Power : 90 KW.
- Voltage Rating : 415 V.
- The H-Q curve of Pump should be steep in nature so as to achieve the head variation with slight variation in rated discharge.
- The pumps should be erected on well designed floats.
- It is proposed to install two pumps on one float with common manifold.

No. MDK / TS 1 / 2807 / Of 2015
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Date – 05/08/2015

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