

## MHAISAL EXTENDED JATH LIFT IRRIGATION SCHEME

MAHARASHTRA KRISHNA VALLY DEVELOPMENT CORPORATION PUNE 411011

(A GOVT. OF MAHARASHTRA UNDERTAKING)

Design, manufacture, Supply, Erection, Testing & Commissioning Vertical Turbine Pump & Horizontal split case pumps for Mhaisal extended Jath Lift Irrigation Scheme as shown below are invited from contractors having experience of the said work for estimate purpose. Please submit the rate to The Executive Engineer, Takari Mechanical & Electrical Division, Warnali, Sangli 416415 Maharashtra within 10 days from date of publishing.

Item No.	Description	Qty.	Unit
A)	<b>Mhaisal extended Jath Lift Irrigation Scheme Stage I</b>		
	<p><b>Vertical Turbine Pump</b> - Design, manufacture, Supply, Erection, Testing &amp; Commissioning at site of works giving test to full capacity, vertical turbine pumps 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, specifications.</p> <p>a. Duty point discharge 1.82 m<sup>3</sup>/sec.</p> <p>b. Duty point Head – 38.85 mtr.</p> <p>c. Maximum rpm. syn - 600</p> <p>d. Efficiency - 1) Bowl efficiency 88 % to 91.00 or above.</p> <p>2) Pump eff. 88% to 91% or above.</p> <p>3) Overall efficiency 83.6% to 86.88% or above.</p> <p>e. Head range - 29m to 43m</p> <p>f. Lubrication system - self water lubricated.</p> <p>g. Discharge type - sub surface.</p> <p>h. No. of maximum stage - single stage.</p> <p>I. Column pipe as per I.S. 3589 of 1991 dia – 1000 mm.</p> <p>j. Maximum No. of pumps working in parallel – 2 nos.</p> <p>k. Pump HP- 1100 HP &amp; Motor KW- 890 KW</p>	1	No
B)	<b>Mhaisal extended Jath Lift Irrigation Scheme Stage II</b>		

	<b>Horizontal Split Case Pump (1 No):</b>  Design,Manufacture,Supply, erection,testing & commissioning of horizontal split casing centrifugal pump set of required capacity and head with suitable CACW squirrel cage induction motor mounted on 3 phase,50 Hz, +/-3%, 6.6 KV, +/- 10% along with base frame coupling with guard,foundation bolts etc. complete set as per relevant IS And giving test to full capacity.  a. Duty point discharge 1.82 m3/sec. b. Duty point Head – 53.36 mtr. c. Maximum rpm.syn - 1000 d. Efficiency - 1) Bowl efficiency 88 % to 91.00 or above. 2) Pump eff. 88% to 91% or above. 3) Overall efficiency 83.6% to 86.88% or above. e. Head range – 40 m to 59 m f. No. of maximum stage - single stage. g. Maximum No. of pumps working in parallel – 2 nos. h.Pump HP- 1475 HP & Motor KW- 1200 KW	<b>1</b>	<b>No</b>
<b>C)</b>	<b>Mhaisal extended Jath Lift Irrigation Scheme Stage III</b>		
	<b>Horizontal Split Case Pump (1 No):</b>  Design,Manufacture,Supply, erection,testing & commissioning of horizontal split casing centrifugal pump set of required capacity and head with suitable CACW squirrel cage induction motor mounted on 3 phase,50 Hz, +/-3%, 6.6 KV, +/- 10% along with base frame coupling with guard,foundation bolts etc. complete set as per relevant IS And giving test to full capacity.  a. Duty point discharge 1.82 m3/sec. b. Duty point Head – 116.86 mtr. c. Maximum rpm.syn - 1000 d. Efficiency - 1) Bowl efficiency 88 % to 91.00 or above. 2) Pump eff. 88% to 91% or above. 3) Overall efficiency 83.6% to 86.88% or above. e. Head range – 87 m to 129 m f. No. of maximum stage - Double stage. g. Maximum No. of pumps working in parallel – 2 nos. h.Pump HP- 3225 HP & Motor KW- 2610 KW	<b>1</b>	<b>No</b>

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.gov.in](http://www.mahayantriki.gov.in)

(U. P. Jadhav)

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