

**Budgetary Offer Notice No. 02 For 2023-24****GOVERNMENT OF MAHARASHTRA****WATER RESOURCES DEPARTMENT****Executive Engineer Mechanical Divisional Unit, Jalgaon**

**Name of Work :-** Supplying, erecting, testing and commissioning of reputed make Horizontal split casing centrifugal pump - motor set with specification mentioned below at Varangaon Talwel Lift Irrigation Scheme stage 1, Dist. Jalgaon.

Budgetary offer for the above work are invited by The Executive Engineer, Mechanical Divisional Unit, Jalgaon. The sealed Budgetary Offer should reach to this office on or before **Dt.31/01/2024 to 07/02/2024 up to 14.00 hrs.** It should be noted that budgetary offers received after the above mentioned date and time will not be considered.

**:- Work List :-**

Sr. No.	Description of Work	Qty.	Unit	Rate Rs. Per unit
1	Supplying, erecting, testing & commissioning of reputed make horizontal split casing centrifugal pump-Motor set with specification mentioned below	2	set	
2	Steel required for plate to be mounted on existing frame.	2	set	
3	Removing of existing foundation and grouting of pump motor set with required foundation bolts.	2	set	
4	MS pipe/flanges/ nut bolts/ MS specials to be fitted in existing pipe line	2	set	
5	Dial gauge, flow switch, un armored cable for tripping of HT motor in case of No flow/less flow in lubricating system	2	set	

**Specifications :-**


Pump construction	Pump with motor
Casing material	Cast iron FG 280
Impeller material	Bronze
Shaft material	S. S AISI 410
Steel material	Carbon/ceramic /NBR/SS 304
Wear ring material	Bronze
No of stages ;	2
Accessories. Base frame & coupling included Pipe work connection Suction & Discharge flange rating PN 16. Casing connection: Without suction & discharge flanges. *Driver specification. Voltage 380-415 V *Efficacy Class IE2 * Rated flow : 140 cum/Hour * Head : 70 Mtr.	
Speed criteria : Synchronous, Rated speed : 1450 RPM, Rated impeller diameter : 343 MM, Maximum impeller diameter :365 MM, Minimum impeller diameter : 270 MM, Efficiency : 66.47 % , NPSH required : 3.46 M, Maximum rated head : 83.61 M, Head rise to shutoff : 18.79 %	
Flow at best efficiency ;Point : 116 cmM/Hr Flow rated ratio: 120.73%, Diameter ration(Rated /max.) : 120.73%, Rated head (Rated dia/max dia.) : 82.35 %, Maximum temp, 20 deg.C, Rated fluid density: 0.999 Kg/ cm .sq., Rated viscosity : 1.00 cSt, Maximum working pressure: 8.19. bar, Maximum allowable working pressure : 16 bar .g, Hydraulic test pressure : 24 bar.g, • Power & power date • Hydraulic power 26.77 KW • Rated power : 40.27 KW • Minimum recommended motor rating 44.074 KW/60 HP	

**Note :-**

1) The above rate quoted should be inclusive of all taxes, GST, cesses (if applicable), loading, unloading & transportation charges at site, but must be mention seperately,

2) Rates called for estimation purpose only.

3) Notice is available on [www.mahayantriiki.gov.in](http://www.mahayantriiki.gov.in)

  
(D. W. Patil)  
Executive Engineer,  
Mechanical Divisional Unit,  
Jalgaon.