

**Abstract**

Work :- Repair and Maintenance of V. T. Pump (100 HP) 2 Nos & replacement of damaged Thrust Bearing & other spares with Test & Trial at site for Jamkhurd Lift Irrigation Scheme, Tal- Pombhurna Dist. Chandrapur.

S N	Description of Item	Qty	Unit	Rate	Amount
1	2	3	4	5	6
<b>A</b>	<b>Repairing &amp; Overhauling of Thrust Bearing 2 No</b>				
1	Jobwork of removing & refitting of motor of VT pumps as per manufacturers instruction manual & refitting it on pump with alignment with all tools, tackles etc (upto 250 kw)				
2	Jobwork of replacement of damaged Thrust Bearing of VT pumps as per manufacturers instruction manual with all tools, tackles etc.	2	Nos	3814.00	7628.00
3	Jobwork of dismantling of jammed bearing/ bearing holder 1 no of VT pump by dismantling bearing holder with special puller including antithrust removal, bearing etc.	1	No	15032.00	15032.00
4	<b>Sph Roller Thrust Bearing</b>				
	Providing and Supplying Spherical Roller Thrust Bearing (Designation 29412 EJ)	2	Nos	2930.00	5860.00
5	<b>Radial Ball Bearing</b>				
	Providing and Supplying Radial Ball Bearing (Designation 6020 2ZC3)	1	No	59126.00	59126.00
6	<b>Gland</b>				
	8 mm Gland packing	1	No	10130.00	10130.00
<b>B</b>	<b>Repairing &amp; Overhauling of Kinetic Air Valve 2 No</b>				
	As per Annexure 7	2	Kg	492.00	984.00
<b>C</b>	<b>Sluice Valve repair</b>				
	As per Annexure 8	2	Job	7477.00	14954.00
<b>D</b>	<b>Bourden type upto 100 kg/cm2 of 150 mm dia</b>				
		2	No	949.00	1898.00
<b>E</b>	<b>Draining of Old Oil from Thrust Bearing &amp; filling with new Hydraulic oil 46 - 3 Ltr. Cleaning Thrust Bearing housing etc by removing old grease &amp; Applying M.P. Grease - 1 Kg to various parts of pump -1 No. Complete job with cost of material, sundry material &amp; labour charges.</b>				
		2	Job	3732.00	7464.00
<b>F</b>	<b>Providing and applying two coats of flat oil paint of approved colour to the old structural steel work and iron work previously painted including scaffolding if necessary clearing &amp; preparing surface excluding primer coat etc. complete</b>				
		47	Sqm tr	102.00	4794.00
<b>G</b>	<b>Cleaning gear train (Rack and Pinion) by removing old grease &amp; Applying M.P Grease - 2 Kg to Gear train, Pedastal, Drum axle, Freeing Chain of 5 MT cap manually operated Chain pulley block -1 No for operation . Complete job with cost of material, sundry material</b>				
		1	Job	2371.00	2371.00
<b>H</b>	<b>Transportation of all type of spares, materials, generator set welding set required for repairing work at site.</b>				
		2	Trip s	4316.00	8632.00

Total Rs. 43329.00  
 Adding 1% Insurance . Rs. 433.29  
 Adding GST @ 18% Rs. 5799.22  
**Total Amount Rs. 70561.51**  
**Say Total Amount Rs. 70562.00**

( Rs. One Lakh Seventy Thousand Five Hundred Sixty Two Only.)

Estimate Prepared by .

*P. S. Thakare*  
P. S. Thakare  
Asstt. Engr. Gr-2

Estimate Checked by.

*P. U. Selokar*  
(P. U. Selokar)  
Deputy Engineer  
Lift Irrigation Mechanical Sub.Div. No.5.  
Mul. Chandrapur.

Sanctioned Estimate No. 1 Year 25-26 Dt. 16/03/2025  
 Amount Rs. 171321/- In words One Lakh Seventy one thousand three hundred one Twenty one only

  
 Executive Engineer  
 Mechanical Lift Irrigation Dn No. 2  
 Chandrapur