

Abstract

Name of the 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
A	Repairing & Overhauling of Thrust Bearing 2 No				
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	Nos	3814.00 ✓	7628.00 ✓
2	Jobwork of replacement of damaged Thrust Bearing of VT pumps as per manufacturers instruction manual with all tools, tackles etc.	1	No	15032.00 ✓	15032.00 ✓
3	Jobwork of dismantling of jammed bearing/ bearing holder 1 no of VT pump by dismantling bearing holder with special puller including antithrust removal, heating etc.	2	Nos	2930.00 ✓	5860.00 ✓
4	Sph Roller Thrust Bearing				
	Providing and Supplying Spherical Roller Thrust Bearing (Designation 29412 EJ)	1	No	59126.00 ✓	59126.00 ✓
5	Radial Ball Bearing				
	Providing and Supplying Radial Ball Bearing (Designation 6020 2ZC3)	1	No	10130.00 ✓	10130.00 ✓
6	Gland				
	8 mm Gland packing	2	Kg	492.00 ✓	984.00 ✓
B	Repairing & Overhauling of Kinetic Air Valve 2 No				
	As per Annexure 7	2	Job	7477.00 ✓	14954.00 ✓
C	Sluice Valve repair				
	As per Annexure 8	2	Job	2547.00 ✓	5094.00 ✓
D	Bourden type upto 100 kgf/cm2 of 150 mm dia	2	No	949.00 ✓	1898.00 ✓
E	Draining of Old Oil from Thrust Bearing & filling with new Hydraulic oil 46 - 3 Ltr. Cleaning Thrust Bearing housing etc by removing old grease & Applying M.P. Grease - 1 Kg to various parts of pump - 1 No. Complete job with cost of material, sundry material & labour charges.	2	Job	3413.00 ✓ 3732	6826.00 ✓ 7464
F	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 & preparing surface excluding primer coat etc. complete	47	Sqm tr	102.00 ✓	4794.00 ✓
G	Cleaning gear train (Rack and Pinion) by removing old grease & 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	1	Job	2371.00 ✓	2371.00 ✓
H	Transportation of all type of spares, materials, generator set welding set required for repairing work at site.	2	Trip s	4316.00 ✓	8632.00 ✓
				Total Rs.	43329.00 ✓
				Adding 1 % Insurance . Rs.	433.29
				Adding GST @ 18 % Rs.	5799.27
				Total Amount Rs.	70561.56
				Say Total Amount Rs.	70562.00

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

Estimate Prepared by.

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

Estimate Checked by.

(P. U. Selokar)
Deputy Engineer

Lift Irrigation Mechanical Sub.Div. No.5.

Sanctioned Estimate No. 1 Year 25-26 Dt. 16/05/2025
Amount Rs. 171321/- In Words One Lakh Seventy one thousand three hundred one Twenty one only

Executive Engineer
Mechanical Lift Irrigation Dn No. 2