

Abstract

Name of work : Repairing of forced water lubricated V.T pump no.1 at Narayankhed LIS Dist Buldhana during 2026-27.

S.N	Description of work	Qty	Rate Rs.	Amt. Rs.
A	Motor , 92 KW Job work of removing & refitting of motor of V.T.pump as per manufacturers manual & refitting it on pump with alignment with all tools,tackles & sundry material RA 1	1 ✓	no 3436 ✓	3436 ✓
B	V.T. Pump - Coloumn Pipe O 450 mm Job work of overhauling of V.T. Pumps as per manufacturers instruction manual with all tools,tackles etc. This job includes labour charges, consumables like O - ring, shims, gland packing, sundry cleaning material etc. This job includes dismantling of all sub assemblies such as cooling pipes, bearing housing, stuffing box, discharge tee,muff couplings, shafts, column pipes, bowl assembly,bell mouth, strainer etc. Reconditioning of all parts, inspection of all parts & replace these parts as per instructions of concerned authority (spares & motor removing cost excluded) straightening of shafts & refitting of all parts & sub assemblies with motor proper alignment. test & trial for 72 hrs. etc complete RA 1	1 ✓	no 60868 ✓	60868 ✓
C	Flange gasket - Coloumn Pipe O 450 mm RA 1 Providing Rubber Gasket For col pipe 450 mm dia	6 ✓	no 618 ✓	3708 ✓
D	Painting of coloumn pipe O 450 mm inner & outer surface & shaft enclosing tube O 140 mm inner & outer surface and Bowl assembly outer surface RA 1	35.28 ✓	m2 352.05 ✓	12421 ✓
E	EOBFV Labour charges for removing and refitting of butterfly valve having P.N-1.0 & 1.6 rating from pipe line for repairs.This include replacing of gasket ,all tools & tackles welding machinery RA 1 dia 400 mm VT Pump No.1 & 2	2 ✓	no 6263 ✓	12526 ✓
F	REJ Labour Charges for Removing & refitting of Rubber Expansion Joint/Dismantle joint/Metallic Expansion Joint with gasket changing having P.N-1.0 & 1.6. RA 1 dia 400 mm VT Pump No.1 & 2	2 ✓	no 3376 ✓	6752 ✓
G	NRV Labour charges for removing and refitting of Non return valve having P.N- 1.0 & 1.6 rating from pipe line for repairs.This include replacing of gasket,all tools & tackles, welding, machinery.RA 1 dia 400 mm VT Pump No.1 & 2	2 ✓	no 6623 ✓	13246 ✓
H	Flange gasket - for EOBFV ,REJ & NRV flange joints O 400 mm RA 1 Providing Rubber Gasket VT pump No. 1 & 2 NRV BFV REJ For col pipe 400 mm dia	12 ✓	no 566 ✓	6792 ✓
I	Transportation:- RA 1 Distance from Narayankhed LIS to nearest district Julna & back Transportation cost for 2 trip	220 ✓	km 53 ✓	11660 ✓
	V T pump spares RA 2			
1	Line shaft bearing Cutless Natural Rubber OD 70 mm , ID 50 mm L 130 mm	1.86 ✓	Kg 2599 ✓	4834.14 ✓
2	Line shaft bearing Cutless Natural Rubber OD 140 mm , ID 110 mm L 90 mm <i>Bush for spider (Rubber)</i>	3.23 ✓	Kg 1774 2599 ✓	5730.82 8394.77 ✓
3	Bowl Bush Cutless Rubber OD 80 mm , ID 55 mm L 180 mm	0.73 ✓	Kg 2599 ✓	1897.27 ✓

4	Top Line Shaft Sleeve SS ASI 410 OD 60 mm , ID 50 mm L 180 mm	1.21 ✓	Kg	2154 ✓	2606.34 ✓
5	Inermidiata Line Shaft Sleeve SS ASI 410 OD 60 mm , ID 50 mm L	3.03 ✓	Kg	2154 ✓	6526.62 ✓
6	Oil for TBH	3 ✓	Lit	153 ✓	459 ✓
7	Gland for stuffing box 12 mm	1 ✓	Kg	494 ✓	494 ✓
8	Shaft key 140 x 25 x 20 mm	1.63 ✓	Kg	1430 ✓	2330.9 ✓
				Total	158952
				Adding GST @ 18 %	28611
				Grand Total	187563

Total = 1,56,286.6
GST 18% = 28,131.59
Grand total = 1,84,418.00

(Rs. One Lakh Eighty ^{four} Seven Thousand ^{four} Five Hundred ^{eighteen} Sixty Three Only)

Estimate prepared by


(D.M. Murkute)
Sect. Engg.

Est. Checked by


S.V. Murkhe
Deputy Engineer
Gate Mfg. & Erection Sub Div No.1
Akola

Machine Estimate No. 50
M. D. A. K. 20 6-27 Dt. 31/07/2026
Issued for Rs. 1,84,418/-
one lakh eighty four thousand
four hundred eighteen only.


Executive Engineer
Mechanical Division, Akola