

Abstract

Name of work : Overhauling ,repairing & replacing damaged parts of V.T pump no.2 (Two S
Khadakpurna LIS Stage-4 Dist Buldhana during 2024-25.

S.N	Description of work	Qty	Rate Rs.
	H.T Motor - Refitting of HT motor , 510 KW		
A	Job work of refitting of motor of V.T.pump as per manufacturers manual & refitting it on pump with alignment with all tools, tackles & sundry material	1	no 13910 ✓
	V.T . Pump - Coloumn Pipe Ø 600 mm		
B	Job work of repairing & replacing damaged parts 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 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	1	no 127001 ✓
	Sleeve - Line shaft Dia.Ø 90 mm		
C	Job work of Removing sleeve from shaft including turning on lathe machine etc.& fitting of new Sleeve on shaft by means of heating of sleeve in boiled oil etc.	6	no 850 ✓
	Coloumn pipe flange gasket - Coloumn Pipe Ø 600 mm		
D	Providing Rubber Gasket - EPDM Gaskets for C. I. / D.I. Pipes	6	no 975 955.8 ✓
E	Providing and applying anticorrosive Coal Tar black IS 290-1961 paint for upstream side in two coats including surface preparation, chipping the welding, cleaning spatters, dust etc. Complete as directed.Painting of Coloumn pipe ,shaft enclosing tube , Two stage bowl assembly inner & outer area	52.09	m2 348.56 ✓
	Transportation:-		
F	Distance from Khadakpurna LIS stage -4 to Jalna & back to Jalna for 1 trip = 120 km		
	Transportation cost for 2 trip	240	km 50.79 ✓

G V T pump spares					
1	Bowl Bush - Cutless Natural Rubber L-130 mm ID.80 mm OD.100 mm	1.12	kg	1774	1986.88 ✓
2	Line Shaft Bearing - Cutless Natural Rubber L-180 mm ID.87 mm OD.120 mm	8.81	kg	1774	15628.94 ✓
3	Bearing for discharge Housing - Bronze IS318 LTB V,L-250 mm ID.80 mm OD.92 mm	3.52	kg	2599	9148.48 ✓
4	Shaft Key, Material - S.S , L - 140 mm ,W -25 mm B - 20 mm Qty. 4 nos	2.18	kg	1430	3117.4 ✓
2,06,739.19 Total					211973.59
2,10,67.39 Add WCC @ 1 %					2119.74
2,08,806.58 Total					214093.33
2,10,88.06 Add Insurance @ 1 %					2140.93
37,585.18 Adding GST @ 18 %					38536.80
2,48,480/- Total					254771

(Rs. Two Lakh Fifty Four Thousand Seven Hundred Seventy ~~One~~ Only)

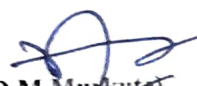
fourty eight

four

eighty

Estimate prepared by

Est. Checked by


(D.M. Murkute)
Sect. Engg.


S V Nirkhe
Deputy Engineer
Gate Mfg. & Erection sub div no.1
Akola

Sanctioned Estimate:

EE/MD/AK/2025 - 04.08.2025

Sanction for Rs. 2,48,480/- (Two Lakh

fourty eight thousand four hundred eighty only.


Executive Engineer
Mechanical Division
Akola