

Abstract

Name of work : Overhauling, dismantling, removing, reconditioning, repalcing damaged bearing and parts, refitting and recretion of oil cooled V.T pump no.5 at Dagadwadi LIS Dist Buldhana

S.N	Description of work	Qty	Rate Rs.	Amt. Rs.
A	H.T Motor - 225 KW			
	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	3436
B	V.T. Pump - Coloumn Pipe Ø 400 mm			
	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) straightthening of shafts & refitting of all parts & sub assemblies with motor proper alignment. test & trial for 72 hrs. etc complete	1	no	79129
C	Flat Flange gasket - delivery & Coloumn Pipe Ø 400 mm			
	Providing flat flange rubber Gasket			
	For col pipe 400 mm dia	11	no	566
	for discharge tee & del pipe joint dia. 400 mm	1	no	566
D	TBH Bearing replacement			
1	Job work of replacement of damaged thrust bearing of V.T. pumps as per manufacturers instruction manual with all tools, tackles, consumables such as gland packing etc . This job includes dismatling of bearing housing assembly, reconditioning of all parts, refitting bearing housing assembly, motor with alignment test & trial for 72 hrs complete (Bearing & motor removing cost excluded)	1	no	13542
2	Thrust Bearing no.29430E	1	no	268717
	Deep groove ball Bearing no.16024	1	no	17363
	Providing & Supplying grade 68 Oil for TBH	4	lit	153
D	Providing and Applying anticorrosive coal tar black(IS290-1961) paint in two Coat including surface preparation ,chipping the welding, cleaning spatters ,dust etc complete as directed .Coloumn pipe Ø 400 mm inner & outer surface & shaft enclosing tube Ø 100 mm inner & outer surface and Bowl assembly outer surface .ColPipe Dia 0.4 m ,Lenght - 12.5 mtr ,Shaft Tube - 0.1 mtr ,Lenght - 12 mtr,Bowl Assmbly Dia.0.5 mtr,Lenght 1.5 mtr.	42.76	m2	348.53
F	Transportation:-			
	Distance from Dagadwadi LIS to nearest district Jalna & back for 1 trip by truck of 7.5 Ton capacity			
	V T pump spares	120	km	50.79
1	Suction Case Bearing IS318 LTBV OD 90 mm , ID 60 mm L 240 mm , 1 nos	7.55	kg	1774

227726.27

14714.41

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14714.41

13393.7

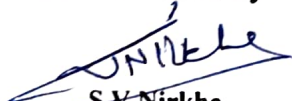
2	Discharge Case Bearing IS318 LTBV OD 90 mm , ID 60 mm L 180 mm , 1 nos	5.66	kg	2599	14710.34
3	Bowl Bearing IS318 LTBV OD 90 mm , ID 60 mm L 200 mm , 1 nos	6.15	Kg	2599	15983.85
4	Top Line Shaft Sleeve SS ASI 410 OD 66 mm , ID 56 mm L 310 mm , 1 nos	2.32	Kg	2154	4997.28
5	Line Shaft Sleeve SS ASI 410 OD 66 mm , ID 56 mm L 310 mm , 5 nos	11.58	Kg	2154	24943.32
Rs 4,40,977.97/-					Total 484617.43
Rs 4409.78/-					Add WCC @ 1 % 4846.17
Rs 4,45,387.75/-					Total 489463.61
Rs 4453.88/-					Add Insurance @ 1 % 4894.64
Rs 80169.79/-					Adding GST @ 18 % 88103.45
Rs. 5,30,011/-					Grand Total 582462

(Rs.Three Lakh Eighty Nine Thousand Six Hundred Eleven Only)

Estimate prepared by


(D.M. Muckute)
Sect. Engg.

Est. Checked by


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

Sanctioned Estimate No. 5,30,011/-
EE/MD/AK/201...
Sanction for Rs. 5,30,011/- (Rs. five
lakh thirty thousand eleven only)


Executive Engineer
Mechanical Division
Akola