

**Departmental Estimate towards repair of (a) radiator (b) oil cooler(c) 04 Nos. levelling jacks
and (d) 02 Nos. rotary motorsofIDM 30 Drill Sl. No. 757 of Jharkhand OCP**

Sl. No.	Description	Quantity (kg/no.)	Rate (Rs.)	Amount (Rs.)
A.	Repair of radiator :			
1.	Upper and bottom tank dismantling	02 Nos.		
2.	Gauging and chemical cleaning of tubes	800 Nos.		
3.	Replacement of gaskets of upper tank and bottom tank	02 Nos.		
4.	Replacement of damaged tubes	155 Nos.		
5.	Testing of radiator	01 No.		
6.	Supervisor: 01 person X 02 day	02 attend		
7.	Fitter: 01 person X 02 day	02 attend		
8.	Helper: 02 person X 02 day	04 attend		
Sub Total A				
B.	Repair of oil cooler:			
9.	Gauging and chemical cleaning of tubes	600 Nos.		
10.	Repair of both sides broken bracket by aluminium soldering	02 Nos.		
11.	Repair of damaged tubes by aluminium soldering	90 Nos.		
12.	Testing of oil cooler	01 No.		
13.	Supervisor: 01 person X 02 day	02 attend		
14.	Fitter: 01 person X 02 day	02 attend		
15.	Helper: 02 person X 02 day	04 attend		
Sub Total B				
C.	Repair of 04 Nos. Levelling Jacks:			
16.	Repairing of cylinder with bore and grinding inside.	04 nos.		
17.	Repairing of piston rod with welding, machining, grinding and polishing.	04 nos.		
18.	Repairing of thread and straightening by lathe machine.	04 nos.		
19.	Replacement of seal kit.	04 nos.		
20.	Dismantling, fitting and testing of jack assembly.	04 nos.		
21.	Supervisor – 01 no. X 04 days	04 attend.		
22.	Fitter – 01 no. X 04 days	04 attend.		
23.	Welder – 01 no. X 04 days	04 attend.		
24.	Helper – 03 nos. X 04 days	12 attend.		

Sub Total C				
D.	Repair of 02 Nos. Rotary Motors:			
25.	Replacement of seals	02 nos.		
26.	Replacement of taper roller bearings	02 nos.		
27.	Replacement of cap screw	02 nos.		
28.	Replacement of bolts	08 nos.		
29.	Supervisor – 01 no. X 02 days	02 attend.		
30.	Fitter – 01 no. X 02 days	02 attend.		
31.	Helper – 02 nos. X 02 days	04 attend.		
Sub Total D				
Total (Sub Total A + Sub Total B + Sub Total C + Sub Total D)				
Contractor's Profit@10%				
Total estimated cost				
GST @ 18% of total cost				
GRAND TOTAL				
Round Off				