

Departmental Estimate for repairing of (a) Inventa Cleantec multijet washing system and its foundation and (b) departmental steam washer and its pipings at Excavation workshop,Jharkhand OCP.

Sl. No.	Description	Quantity (kg/no.)	Rate (Rs.)	Amount (Rs.)
A.	Repair of Inventa Cleantec multijet washing system and its foundation:			
1.	Industrial Gas set for cutting and heating purpose for repair of foundation	03 no.		
2.	Cutting electrode for gauging of cracked portion in H-Section and body frame. (Electrode – L-602)	16 kg		
3.	Suitable electrode for material filling in gauged portion and welding of support plates.(electrode- Lomelt-205)	25 kg		
4.	Repair and maintenance of latches, hinges, stoppers, fasteners of frame of motor, pressure wash pump and assembly	01 No.		
5.	Repair and maintenance of pressure wash pump, its valves, manifold, crankcase cover, plunger, bushing and O-Ring washers	01 No.		
6.	Repair of flywheel, flywheel shaft and its housings	01 No.		
7.	Repair and maintenance of pulley, pulley shafts and V-Belts for optimum operation	01 No.		
8.	Electrical wiring and control panel work and rewinding of motor and connection relays and main switch	01 No.		
9.	Cleaning of machines using pressure pump and degreaser and greasing and oiling of components during reassembling	01 No.		
10.	Fixing and strengthening of foundation plates onto concrete and securing using U-bolts	04 Nos.		
11.	Supervisor : 01 person X 04 days	04 attend.		
12.	Fitter : 01 person X 04 days	04 attend.		
13.	Welder : 02 person X 04 days	08 attend.		
14.	Helper : 02 person X 04 days	08 attend.		
Sub Total A				
B.	Repair of steam washer and its pipings:			
1.	Repair work of heating assembly involving copper winding insulation and body repair work	01 no.		
2.	Repair of pump motor and base	01 no.		
3.	Repair of wiring and inlet pipe & outlet pipe(for high temp. solvent)	01 no.		
4.	Repair and maintainence of steam washer gun and fittings for proper wash purpose	01 no.		
5.	Hiring cost of grinding machine, jack and special tool tackels etc for job completion	04 days		
6.	Reapir and maintainence of latches, hinges and stoppers of frame for steam protection	01 no.		

7.	Electrical repair connection, wires tapes fuses relays and control panel work as per requirement	01 no.		
8.	Supervisor : 01 person X 04 days	04 attend.		
9.	Fitter : 02 person X 04 days	08 attend.		
10.	Helper : 02 person X 04 days	08 attend.		
Sub Total B				
Total (Sub Total A + Sub Total B)				
Contractor's Profit @10%				
Total estimated cost				
GST @ 18% of total cost				
GRAND TOTAL				
Round Off				