

Departmental Estimate towards repair of (a) carousel assembly, mast ladder, mast lock pin, its housing and battery box and (b) repair of worn out table bush – 02 Nos. and (c) repair of mast cylinder, its eyes, pins and mountings of IDM 30 Drill Sl. No. 907 of JOCP.

Sl. No.	Description	Quantity (kg/no.)	Rate (Rs.)	Amount (Rs.)
A.	Repair of carousel assembly, mast ladder, mast lock pin, its housing and battery box :			
1.	Industrial Gas set for straightening and heating of distorted portion of carousel assembly and cutting of bended mast ladder.	02 set		
2.	Gauging electrode for cutting of locks, rod opening wrench and bulged material from carousel and mast lock pin and related housing.	14 kg		
3.	Suitable electrodes for material filling of gauged portion, welding of support plates and battery box (Electrode- Lomelt -205)	32 kg.		
4.	Steel pipe for mast ladder- ¾" dia.	40 meter		
5.	Machining of pin and its related housing.	01 set		
6.	Supervisor: 01 person X 05 day	05 attend		
7.	Fitter: 01 person X 05 day	05 attend		
8.	Welder: 02 person X 05 day	10 attend		
9.	Helper: 03 person X 05 day	15 attend		
Sub Total A				
B.	Repair of Table bush – 02 Nos.:			
1.	Cost of table bush sleeve	02 Nos.		
2.	Cost of cutting electrode	05 Kg		
3.	Cost of Steel electrode Lomelt-205	07 Kg		
4.	Sleeve machining on lathe machine	02 Nos.		
5.	Supervisor: 01 person X 02 day	02 attend		
6.	Machinist: 01 person X 02 day	02 attend		
7.	Welder: 01 person X 02 day	02 attend		
8.	Helper: 01 person X 02 day	02 attend		
Sub Total B				
C.	Repair of mast cylinder :			
1.	Cutting electrodes for cutting of locks and removing bulged portion from eyes and pins	08 kg		
2.	Welding electrode for material filling in eyes and pins and welding of mountings (Electrode - Lomelt-205)	16 kg		
3.	Grinding stone for finishing	04 Nos.		
4.	Bush replacement in eyes	02 Nos.		

5.	Seal kit replacement	01 No.		
6.	Supervisor: 01 person X 03 day	03 attend		
7.	Fitter: 01 person X 03 day	03 attend		
8.	Welder: 02 person X 03 day	06 attend		
9.	Helper: 03 person X 03 day	09 attend		
Sub Total C				
Total (Sub Total A + Sub Total B + Sub Total C)				
Contractor's Profit @ 10%				
Total				
GST @ 18% of total cost				
GRAND TOTAL				
Round Off				

Project Engineer (X)
Jharkhand OCP

Dy. Manager (X)
Jharkhand OCP