

Departmental Estimate of repairing of (a) Hoist coupling, equalizer sheave yoke assembly and damaged hoist pulley collar and (b) LHS Drive shaft and driving wheel of EKG-5A shovel

Sl. No. 581 of JOCP

Sl. No.	Description	Quantity (kg/no.)	Rate (Rs.)	Amount (Rs.)
A.	Repair of Hoist coupling:			
1.	Industrial gas set	01 nos.		
2.	Cost of cutting electrode	07 kg		
3.	Cost of suitable steel electrode (Electrode-Lomelt-205)	13 kg		
4.	Cost of special tools and tackles with all fasteners	01 no.		
5.	Supervisor: 01 person X 03 days	03 attend.		
6.	Fitter: 01 person X 03 days	03 attend.		
7.	Machinist: 01 person X 03 days	03 attend.		
8.	Welder: 02 person X 03 days	06 attend.		
9.	Helper: 02 person X 03 days	06 attend.		
Sub Total A				
B.	Repair of equalizer sheave yoke assembly:			
1.	Cutting electrode for gauging of cracked portion	06 kg		
2.	Cost of suitable steel electrode (Lomelt 205)	12 kg		
3.	Cost of steel bushing fabrication	01 no.		
4.	Cost of special tools and tackles with grinding stone	01 no.		
5.	Supervisor: 01 person X 02 days	02 attend.		
6.	Fitter: 01 person X 02 days	02 attend.		
7.	Welder: 02 person X 02 days	04 attend.		
8.	Helper: 02 person X 02 days	04 attend.		
Sub Total B				
C.	Repair of damaged hoist pulley collars:			
1.	Cost of cutting electrode	12 kg		
2.	Cost of MS Plate 16mm thick	40 kg		
3.	Cost of grinding wheel	06 nos.		
4.	Cost of steel electrode (Lomelt 205)	16 kg		
5.	Supervisor: 02 person X 03 days	06 attend.		
6.	Fitter: 02 person X 03 days	06 attend.		
7.	Welder: 02 person X 03 days	06 attend.		
8.	Helper: 02 person X 03 days	06 attend.		
Sub Total C				
D.	Repair of LHS Drive shaft and driving wheel:			
1.	Cutting electrode for removal of bulged portion of lugs and splines	12 kg		
2.	Material filling in lugs of driving wheel with low hydrogen electrode. (Electrode – 7018)	38 kg		
3.	Material filling in splines of sprocket and drive shaft with suitable steel electrodes (Electrode – Lomelt-205)	26 kg		
4.	Hard facing electrodes (Electrode – Lomelt- 310)	18 kg		
5.	Grinding stone for grinding of splines of drive shaft and driving wheel	05 no.		

6.	Lock fitment	01 no.		
7.	Supervisor: 01 person X 06 days	06 attend.		
8.	Fitter: 01 person X 06 days	06 attend.		
9.	Welder: 02 person X 06 days	12 attend.		
10.	Helper: 02 person X 06 days	12 attend.		
Sub Total D				
Total (Sub Total A + Sub Total B + Sub Total C + Sub Total D)				
Contractor's Profit @10%				
Total				
GST @ 18% of total cost				
GRAND TOTAL				
Round Off				