

**Departmental Estimate of (a) repairing of swing gear box (RHS) (b) repairing of swing motor (RHS) of Tata
Hitachi 650 excavator SL. No. 183**

Sl. No.	Description	Quantity (kg/no.)	Rate (Rs.)	Amount (Rs.)
A.	Repairing of swing gear box (RHS):			
1.	Developing of teeth of pinions of sun and planetary gear system as well as main pinion housing using suitable steel electrodes	10 Kg	2760.00	27600.00
2.	Machining of pinion teeth as per required size	04 Nos.	4000.00	16000.00
3..	Developing of new flange sleeve as per requirement	01 no.	17900.00	17900.00
4.	Developing of new dowel lock as per size and shape.	01 no.	4900.00	4900.00
5.	Washing charges	01 set	2000.00	2000.00
6.	Replacement of damaged oil seal (Part No. – 4424982)	01 no.	35000.00	35000.00
7.	Assembling of accessories of Swing Gear Box and Testing of Assembly.	01 set	10000.00	10000.00
8.	Supervisor : 01 person x 05 days	05 attend	938.00	4690.00
9.	Fitter : 01 person x 05 days	05 attend	805.00	4025.00
10.	Helper : 02 person x 05 days	10 attend	541.00	5410.00
11.	Machinist : 01 person x 05 days	05 attend	805.00	4025.00
12.	Welder : 01 person x 05 days	05 attend	805.00	4025.00
Sub Total A				135575.00
B.	Repairing of swing motor (RHS):			
1.	Replacement of Piston assembly (PN - 0788801)	01 no.	69900.00	69900.00
2.	Replacement of Shaft (PN - 0788804)	01 no.	41900.00	41900.00
3.	Replacement of Spring plate of swash plate (PN - 0788806)	01 no.	6900.00	6900.00
4.	Replacement of plate (PN - 0788808)	01 no.	6000.00	6000.00
5.	Replacement of roller bearing (PN - 0788811)	01 no.	9500.00	9500.00
6.	Replacement of roller bearing (PN - 0788812)	01 no.	7200.00	7200.00
7.	Replacement of swing motor seal (PN - 0788813)	01 no.	1500.00	1500.00
8.	Supervisor: 01 person X 03 days	03 attend.	938.00	2814.00
9.	Fitter: 02 person X 03 days	06 attend.	805.00	4830.00
10.	Helper: 03 person X 03 days	09 attend.	541.00	4869.00
Sub Total B				155413.00
Total (Sub Total A + Sub Total B)				290988.00
Contractor's Profit @10%				29098.80
Total Estimated Cost				320086.80
GST @ 18% of total cost				57615.62
GRAND TOTAL				377702.42
Round Off				377702.00

Project Engineer (X)
Jharkhand OCP

Dy. Manager (X)
Jharkhand OCP