

## **Scope of Work – Dismantling and Shifting of EOT Crane**

**Type of Crane** : EOT Crane (05-2912), Span – 22.7m, SWL – 15Ton, HIND make

**From Location** : 05 Shop, DE bay

**To Location** : 05 Shop, BC bay (towards East side)

S.No.	Description of Work		
1	Disconnecting Electrical supply to the Crane from DSL line. Disconnecting all the cables from panels, resistance boxes and junction boxes. Removing the cables from cable reeling system. Details / Numbering to be documented properly		
2	Preparing Chain Pulley blocks by tying to truss of roof to bring down all materials. Ensure safety belt is worn by personnel		
3	Dismantling the control panels and bringing them down to ground level		
4	Dismantling the cable reeling system 'I' beam and supporting brackets located on the bridges, CT platform and bringing them down		
5	Dismantling all the resistance boxes, junction boxes and bringing them down		
6	Dismantling and bringing down the cabin		
7	Dismantling	Welding support anglers on the gantry girders and fastening the end carriages to the supports	
8		Removal of roof sheets, bracings and purlins at necessary places in 05 shop – Working with Factory Civil staff in getting job done (BHEL scope)	
9		Disconnecting the hook from the drum by removing the wire rope	
10		Hiring external Telescopic boom crane (40T – 50T) and bringing inside factory with necessary approvals – for dismantling of crane (2 days)	
11		Dismantling and bringing down the Cross trolley (Ensure proper rigging is done before lowering CT)	
12		Disconnecting the connection between the bridges and end carriages and bring down bridges carefully (Ensure proper rigging is done)	
13		Removing the supports for end carriages and bringing down the end carriages	
14		Shifting of Crane parts (Bridges, CT, End carriages, Electrical panels etc.,) to new location – by Trailer	
15		Engaging of Trailer for shifting for two days (2 days x Rs. 15000/-)	
16		Re-erection and load Testing	Removal of roof sheets, bracings and purlins at necessary place in 03 – Working with Factory Civil staff in getting job done (BHEL scope)
17			Hiring external Telescopic boom crane (40T – 50T) and bringing inside factory with necessary approvals – for assembly of crane ( 2 days)
18			Placing the end carriages on the top and fastening them to support anglers
19			Placing the bridges on the end carriages. Make sure boom crane goes out of roof where sheets were removed. Ensure there is no damage to bracings and purlins while extending boom of boom crane.
20			Fixing the bridges to End carriages by inserting/hammering pin bolts and tighten uniformly.
21			Removing the support anglers for the end carriages
22	Placement of cable reeling system brackets and 'I' section and passing the cables over the cable reeling system		

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23		Placement of Electrical panels, resistance boxes and junction boxes on the bridge platform
24		Connecting the cables inside the panels, junction boxes and components on the crane
25		Reconnection of Electrical supply to DSL line
26		Trial run and ensure Current collector are smoothly running on DSL line. LT, CT and Hoist movements checking and ensure they are smooth.
27		Load testing (for SWL only). Arranging the load and required slings, etc., for carrying out load test.
28		Materials required such as welding generator, cutting set, oxygen, DA, paints, kerosene, thinner, cotton waste etc., will be supplied by BHEL
29		Safety of the workmen is the sole responsibility of the contractor
30	G e n e r a l	The contractor and his/her workmen shall use the necessary safety equipment (like safety belts, helmets etc.,) and shall comply with BHEL safety rules
31		Necessary tools and other equipment like painting brushes, spray gun, brooms etc., are in the scope of the contractor
32		Mobile crane, trailer lorry for shifting etc., are in the scope of the contractor
33		The contractor shall engage a <b>supervisor</b> during the execution of the work, to oversee important milestones in project.

- 15T EOT crane from DE bay to BC bay in 05 shop
  - Asset No: 05-2912
  - SWL:15T, Span:22.7m
  - Dismantling, shifting to new location and E&C at new location.
  - Load testing with rated load after completion
  - Min of 4 USW and 4SW to be deployed.
  
- **Note**
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  - The contractor shall engage a **supervisor** during the execution of the work, to oversee important milestones in project.