

Scope of Work – Dismantling and Shifting of EOT Crane
including E&C

Type of Crane : EOT Crane (07-1808), Span – 16.75m, SWL – 3Ton; NSE make

From Location : Tool Room, AB bay

To Location : SG Machine shop (WC 3313)

S.No.	Description of Work
1	Disconnecting Electrical supply to the Crane from DSL line. Disconnecting all the cables from panels, removing the cables from cable reeling system and isolating the supply cables on each bridge. 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 down the panels.
4	Dismantling the cable reeling supporting brackets on the bridges and CT platform and bringing them down.
5	Dismantling all the resistance boxes and bringing them down
6	Dismantling and bringing down the cabin
7	Welding support anglers for end carriages and fastening them to the supports
8	Removal of roof sheets, bracings and purlins at necessary place in 07 – 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, End carriages, Electrical panels etc.,) to new location – by Trailer
15	Engaging of Trailer for shifting for two days (2 days x Rs. 15000/-)

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16	Assembly and 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. Fixing the bridges on the end carriages by inserting/hammering pin bolts and tighten uniformly.
20		Removing the support anglers for the end carriages
21		Placing the fixing brackets for cable reeling system and passing the cables over the cable reeling system
22		Reconnection of electrical panels after taking the panels up. Reconnection of Electrical supply to DSL line
23		Reconnection of Electrical supply to DSL line
24		Trial run and ensure Current collector are smoothly running on DSL line. LT, CT and Hoist movements checking and ensure they are smooth.
25		Load testing. Arranging load (Getting 20% excess load) and required slings, etc., for carrying out load test.
		To be completed in 30 days. You need to provide minimum of 4USW, 2SSW, 3SW personnel.
26	General	Materials required such as welding generator, cutting set, oxygen, DA, paints, kerosene, thinner, cotton waste etc., will be supplied by BHEL
27		Safety of the workmen is the sole responsibility of the contractor
28		The contractor and his/her workmen shall use the necessary safety equipment (like safety belts, helmets etc.,) and shall comply with BHEL safety rules
29		Necessary tools and other equipment like painting brushes, spray gun, brooms etc., are in the scope of the contractor
30		Mobile crane, trailer lorry for shifting etc., are in the scope of the contractor
31		The contractor shall engage a supervisor during the execution of the work