



OPERATIONAL CONTROL PROCEDURE

Doc. No.: HSEOCP:18

Rev. No.: 00

Rev. Date: 10/01/2018

OCP No. : 18

HANDLING, LIFTING & ERECTION OF HEAVY METALS

Page 1 of 2

Purpose	To avoid damage / personal injury during handling and erection of heavy metals.	Scope	ISG
Responsibility	Concerned Head/SOX		
Performance criteria	Exception points at management reviews.		
Cross reference	OHSAS : 18001		

PPEs & Precautions Used

	Insulated rubber gloves		Appropriate insulated rubber footwear		Good safety helmet secured with chin strap
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Procedures and Controls

S. No.	Activity	Responsibility
1.	Ensure proper maintenance of all the lifting machinery and tackles. Record of maintenance carried out should be available	Site Incharge
2.	Inspect daily, before start of work, all such equipment and record in a Daily Inspection Register	Concerned HOS
3.	Test certificates of all the lifting machinery and tackles should be maintained. Testing shall be done periodically as recommended by the manufacturer	Site Incharge
4.	Maximum safe working load shall be conspicuously marked on all the lifting machinery and tackles	Concerned HOS
5.	Ensure that the lifting machinery and tackles are not loaded beyond maximum safe working load	Concerned HOS
6.	Before lifting with a winch ensure proper anchoring of the winch and the pulleys. The pulleys must be checked thoroughly for any defects	Concerned HOS
7.	Do not tie or attach lifting devices such as chain pulley blocks, max-pull or wire rope slings to the floor grills, working platforms or guardrails	Supervisor
8.	When load is being lifted with lifting machinery, warn the persons in the vicinity by sounding horns/ whistle	Supervisor
9.	Do not allow any body to stand under the load being lifted	Supervisor
10.	Never allow any person to ride on the loads being lifted	Supervisor
11.	Deploy only trained and authorized operators for operating the lifting machinery	Supervisor
12.	Ensure that only skilled riggers are engaged for slinging the material to be handled	Supervisor
13.	Use of safety helmet, safety shoes and hand gloves by the riggers must be ensured	Supervisor
14.	Only one person should give signals to the operator to lifting the machinery	Supervisor
15.	Ensure proper illumination of the area where material handling is in progress	Supervisor



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Page 2 of 2

16.	Never carry out any welding in the boiler structure during drum lifting operation. This can damage wire ropes used for lifting of drum	Supervisor
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Site Safety department to identify all possible Hazard Areas related to handling & erection of heavy metals and ensure control as per this OCP.

In addition, relevant records pertaining to actions taken to be prepared and kept.

Records:

Record Title	Record No.	Location	Responsibility	Retention Period

Verification, Corrective and Preventive Action:

HOD / Site In-charge shall ensure effective implementation of the above procedure. In case of any deviation, shall take suitable corrective and preventive action.

Revision History

Revision Date	Revision No.	Old Text	New Text	Reason	Revised by (with sign)