



OPERATIONAL CONTROL PROCEDURE

Doc. No.: 59

Rev. No.: 00

Rev. Date: 10/01/2018

OCP No. : 59

SAFETY IN USE OF HYDRA OPERATION

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Purpose	To avoid damage / personal injury during usage of Hydra Operation.	Scope	ISG
Responsibility	Concerned Site In-charges		
Performance criteria	No. of incidents / accidents on such cases		
Cross reference	OHSAS : 18001		

PPEs 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.	Plan and organize the job according to given instructions. Ensure up-to-date hydra maintenance, proper license and experience of operator.	Supervisor
2.	Check controls including reverse horn, brakes, levers for proper functioning	Supervisor/ Operator
3.	Position the hook to attach sling, shackle and chains as per operation's manual	Operator
4.	Start the engine as per operation's manual	Operator
5.	Check the assembly and ensure that relevant safety measures as per safety guidelines taken	Operator
6.	Use the emergency stop button to disable all power to the hydra crane in case of a crisis, as per operator manual	Operator
7.	Ensure safe working load as per operation manual	Supervisor
8.	Select the appropriate boom, jib, as per the load, site and lift conditions	Operator
9.	Ensure appropriate boom extension as per operation manual	Operator
10.	Hoist and release the load at a small height to check the holding and control breaks are functioning properly, ahead of the actual lifting	Operator
11.	Carry out lifting of load in coordination with rigger as per the requirement	Operator
12.	Monitor stability whilst moving a load	Operator
13.	Ensure no obstacles, personnel or other obstructions during lifting operation	Operator
14.	Look out for people working and hazards such as trenches, potholes and cables	Supervisor/ Operator
15.	Perform in-operation visual checks on critical temperature and pressure gauges as per operation manual	Operator
16.	Select and use the right type of brake in different situations and	Operator



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	conditions as per the operation manual	
17.	Utilize judiciously various signalling devices available in the hydra	Operator
18.	Keep a safe distance from other plant or vehicles	Operator
19.	Work safely in accordance with operational requirements and associated Safe Systems of Work	Operator
20.	Discharge the load safely at the position and in the manner designated by the supervisor	Operator
21.	Follow the instructions by the rigger	Operator
22.	Ensure lay down area is sufficient in size to accommodate load	Operator
23.	Ensure that no other operators travel on or stand near the Hydra Crane	Operator
24.	Inform supervisor/rigger of any problems while operating the Hydra Crane	Operator
25.	Shut down and secure the machine properly when it is unattended	Operator

Site Safety department to identify all possible Hazard Areas related to Hydra Operation 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
Hydra fitness certificates	HY 01	Respective Site	Site Incharge	
Maintenance records	HY 02	-do-	Site Incharge	

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)