



OPERATIONAL CONTROL PROCEDURE

Doc. No.: HSEOCP:48

Rev. No.: 00

Rev. Date: 10/01/2018

OCP No. : 48

SAFE HANDLING OF BATTERY SYSTEM

Page 1 of 2

Purpose	To ensure safe working during handling of battery system	Scope	ISG
Responsibility	Concerned HOS / Safety co-ordinator		
Performance criteria	No. of incidents/ accidents reported		
Cross reference	OHSAS : 18001		

PPEs Used

	Insulated rubber gloves		Eye protection as identified in SDS must be worn at all times		Face shield must be worn
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Procedures and Controls

S. No.	Activity	Responsibility
1.	Study the O&M manual of Battery manufacturer to identify the chemicals used and their hazards.	HOS (Electrical)
2.	During handling of battery, ensure availability of clean water either from running tap or in pot (tank/drum/bucket).	HOS (Electrical)
3.	Ensure use of PPE like rubber hand gloves, masks etc for handling of battery.	HOS (Electrical)
4.	Before placing of cells in battery room, ensure civil work completion like floor tiles, exhaust fan running etc.	HOS (Electrical)
5.	Carry out erection of the cells as per drawing.	HOS (Electrical)
6.	For maintenance free battery, arrange for charging of cells after assembly.	HOS (Electrical)
7.	For cells requiring acid or alkali solution to be charged after erection, ensure availability of weigh bridge, mixing pot, funnels etc. as per manufacturers guide lines.	HOS (Electrical)
8.	Organize job meeting at site before start of the chemical filling activity and explain the potential hazards of the operation and immediate rescue action to be carried out.	HOS (Electrical)
9.	Do not use any excess quantity of water & chemical. Chemical to be used in exact amount for commissioning of cells.	HOS (Electrical)
10.	Carry out electrical charging of the battery with battery charger.	HOS (Electrical)

Site Safety department to identify all possible Hazard Areas related to handling of Battery System, and ensure control as per this OCP.

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



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Page 2 of 2

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)