



DALMIA CEMENT (B) LIMITED
DALMIAPURAM
CPP ELECTRICAL DEPARTMENT



Issue No. 01	Rev. No: 00	Effective Date: 01.03.2016	SOP/CPP/07
Issued By: M.R		Approved By: HOD - CPP	
SOP for WELDING PDB FIXING & LOCATION CHANGING WORK			

Scope : Describe the procedure for fixing & relocation of Welding PDB

Responsibility : Electrical Engineer

Accountability : Section In-charge

PPE:

1. Goggles
2. Electrical safety Gloves
3. Safety shoes
4. Safety helmet

Tools:

1. Suitable spanner
2. Cutting player
3. Insulated Screw driver
4. Welding machine

Hazards:

Risk Associated

Electrical Shock
Minor body injury
Flash over
Equipment damage

Mitigating Measures

Electrical Safety Gloves
Safety shoes, gloves, helmet, goggles

Training needs:

1. Electrical shock recovery Training
2. Emergency preparedness
3. Fire fighting
4. First aid training



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Procedure:

1. Take the Energy Isolation permit & work permit for the particular Panel as per ELEC/SOP/003.
2. Fixing the Fabricated Base frame in the specified area.
3. Laying the Power cable & terminate the same.
4. Laying the Earth Flat & connected to the earth grid & panel.
5. Ensure the Tightness of the power cable with screw driver.
6. In case of relocation remove the Power cable & earth flat & panel frame.
7. Re fix the same in specified location.
8. Reroute the Power cable & earth flat.
9. Terminate the power cable & connect the Earth flat between the Earth grid & panel.
10. Ensure the Tightness of the power cable.
11. Clear the Permits as per ELEC/SOP/004.
12. Record all Check point in the concern Check list.

Emergency / Emergency Shut OFF:

1. If electrical shock injury or body injury are there, give First aid and inform to the Safety department or Call Emergency number 222/9865155288/9865177444.

Records/Annexure:

1. Refer work permits certificates.
2. JSA as enclosed below.



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JOB SAFETY ANALYSIS:(JSA)

Job Safety Analysis	Job: Fixing & relocation of welding PDB	Date:	Analysis by:	Reviewed by:
Title of employee doing job: Electrician	Supervisor: Section Engineer	Department: Electrical	Section:	Approved by:
Req'd/recommended PPE: Nose mask, Goggles, Electrical safety Gloves, Cotton Gloves, Safety shoes, Safety helmet				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Put on PPE, Take Permit				
Cleaning of Panels	Eye irritation,	Wear goggles	Damaged goggles/non standard goggles	Periodic replacement
	Respiration problem	Wear Nose mask	Damaged nose mask	Periodic replacement
	Body injury	Wear safety helmet, safety shoes , hand gloves	Tools and material may fall on human body	Without PPE don't perform the job
Removal of the panel & laying of the cables	Electrical shock	Use Electrical safety gloves	Damaged Gloves	Periodic replacement.
	Body injury	Use proper tools	Nonstandard /damaged tools	Training for tools handling/ Periodic replacement
Short /open the panel terminals by open the panel door, Check the tightness of terminals		Wear safety helmet, safety shoes , hand gloves	Tools and material may fall on human body	Without PPE don't perform the job
	Body Injury	Wear safety helmet, safety shoes , hand gloves	Nonstandard /damaged tools	Without PPE don't perform the job
			Tools and material may fall on human body	Training for tools handling/ Periodic replacement
Check the Panel Door earthing, close the door properly				Without PPE don't perform the job
Clear permit				