

**MAHALAKSMI ENGINEERING & CONSTRUCTION PVT LTD.**

Ref.No : MECPL/EHS/014/REV-0

**TITLE : ELECTRICAL INSPECTION CHECKLIST**

Project: MHDC SOLAPUR

Location: Solapur

Date: 21/5/2023 Time: .....

Inspected By: MR AZIM SHAIKH

Frequency: Weekly

SL NO	DESCRIPTION	YES	No	TARGET DATE	REMARKS
<b>CABLES</b>					
1	Whether the condition of Cable is checked?	✓			
2	Are Cables received from other site checked for Insulation Resistance before putting them into use?	✓			
3	Are all main Cables, taken either underground / Overhead?	✓			
4	Are electrical Cables routed properly above the over head?	✓			
5	Are welding & Electrical Cables overlapping?		✓		
6	Is any improper jointing of Cables wires prevailing at Site?		✓		
<b>DBs / SDBs</b>					
1	Is earth conductor continued up to DB / SDB?	✓			
2	Whether DBs & extension boards are protected from rain / water?	✓			
3	Is there any overloading of DBs / SDBs?		✓		
4	Are correct / proper fuses provided at main boards & sub- boards?	✓			
5	Is energised wiring in junction boxes, CB panels & similar places covered all times?	✓			
6	Whether all DBs are with doors, lock & key?	✓			
7	Whether rubber mats provided to all DB's	✓			
8	Whether all the DBs kept on dry and clean floor	✓			
9	Clear access and egress available for all DBs.	✓			
10	Whether the location of DBs properly Identified.	✓			
11	Whether all details of DB is available.	✓			
<b>RCBO / RCCB</b>					
1	Whether the connections are routed through RCBO / RCCB?	✓			
2	Is RCBO/RCCB sensitivity maintained at 30 mA?	✓			
3	Are the RCBO/RCCB numbered & tested periodically & test results recorded in a logbook counter signed by competent person?	✓			
<b>EARTHING</b>					
1	Is neutral earthing ensured at the source of power (Main DB at Gen. or Transformer)?	✓			
2	Whether the continuity & tightness of earth conductor are checked?	✓			
3	Mention the gauge of earth conductor used at site.	✓			
4	Mention the value of Earth Resistance.	4	✓		
<b>ELECTRICALLY OPERATED MACHINES / ACCESSORIES</b>					
1	Whether the plug top provided everywhere?	✓			
2	Are all metal parts of electrical equipment & light fittings / accessories grounded?	✓			
3	Is there any shed / cover for welding machines?	✓			
4	Are Halogen lamps fixed at proper places?	✓			
5	Are Portable power tools maintained as per norms?	✓			
6	Any other Information / observations				
7	Fire points, fire extinguishers and fire buckets.	✓			

Signature : (MECPL PROJECT ENGG)

Signature: (MECPL SAFETY OFFICER EHS)

*Azim Shaikh*  
**AZIM Shaikh**