

Investigation Report - (Investigation UID - IR/TTK/AAA/25/00039)

Investigation Information

Investigation UID	IR/TTK/AAA/25/00039	Investigation Category	Fire & others investigation report
Investigation Status	Final Report Released	Created On	07-Oct-2025 11:46:30 AM
Approver Names	sephali k kumari, Sayan Mondal, Lalit Aditya Kola		

Incident Information

Incident UID	IMF/TTK/CO/TIT/25/00062	Incident Category	Fire and others
Site Name	Coimbatore	Department Name	Maintenance
Incident Status	FinalReportReleased	Created On	07-Oct-2025 11:32:07 AM
Reported By	Lalit Aditya Kola		

Sections

Is any Injury Occured	<div><input checked="" type="radio"/> Yes</div> <div><input type="radio"/> No</div>
Incident Description	A small fire broke out near the electrical control panel due to a short circuit caused by water seepage during heavy rain. The fire was quickly extinguished by the in-house emergency response team using a CO2 extinguisher.
Details of Loss/Property Damage	Electrical control wiring insulation partially burnt.. Minor charring of panel door and relay surface.. No production downtime reported.

Cost Estimate

S.No	List of Damage Property	Value
1	Electrical panel control wiring and relays	₹ 8,000
2	Panel repaint and re-insulation work	₹ 2,000

Occurence:- Repetitive/New

If Repetitive, Last date of Incident: NA	If Repetitive, Plant/Department: Coimbatore – Assembly Area	If Repetitive, Line: Electrical Maintenance
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Root Cause Analysis (Why-Why: Drill down till the System Issue / Failure):

S.No	Why	Root Cause:: Poor sealing and aging gasket of control panel.. Absence of inspection checkpoints for waterproofing integrity.. No canopy protection over outdoor electrical panels.
1	Why did the fire occur?	
2	Why did water enter the panel?	

Reviews and Learning

Documents revised based on CAPA: Electrical Preventive Maintenance Checklist (Rev. 3.1): Added "Panel Gasket Condition" as mandatory inspection point.. Emergency Response SOP (Fire): Updated to include electrical short circuit handling steps.. Facility Layout Drawing: Modified to mark all outdoor panels requiring canopy installation.	Lessons Learned: Regular preventive maintenance must include inspection of all sealing and waterproof components.. Electrical panels exposed to rain or moisture should be adequately protected by weatherproof canopies.. Quick detection and trained response prevented escalation — demonstrating the value of fire drills and ERT training.. Updating PM checklists periodically ensures no safety parameter is overlooked.
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Preventive Actions

UID	Site Name	Category Name	Created By	Description	Status
TA/TTK/CO/INR/25/00170	Coimbatore	Investigation Report	Sayan Mondal	Replace worn gasket and apply waterproof sealant on control panel	Assigned

TA/TTK/CO/INR/25/00171	Coimbatore	Investigation Report	Sayan Mondal	Conduct fire response and extinguisher training	Assigned
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Horizontal Deployment of Preventive Actions With in the Site

UID	Site Name	Category Name	Created By	Description	Status
NA					

Horizontal Deployment of Preventive Actions Across the Sites

UID	Site Name	Category Name	Created By	Description	Status
NA					