



# **Presentation on “Preparation of MEMU trains in view of Upcoming Festival Seasons.**



**MEMU CAR SHED,  
Jhajha.**

# AGENDA

- ☐ **Action taken to ensure safe working of electrical equipments and passenger amenity items.**
- ☐ **Sensitizing maintenance staff, escorting staff and train passing staff.**
- ☐ **Action taken to ensure fire safety.**
- ☐ **Necessary coordination with other departments.**

**ACTION TAKEN TO ENSURE SAFE  
WORKING OF ELECTRICAL  
EQUIPMENTS AND PASSENGER  
AMENITY ITEMS.**

## ACTION TAKEN

**Conducting thermography as part of the schedule maintenance of MEMU rakes to detect loose connections and hot spots.**



## **ACTION TAKEN**

### **THERMAL SCANNING OF ELECTRICAL CONNECTION IN MEMU STOCK**





# ACTION TAKEN

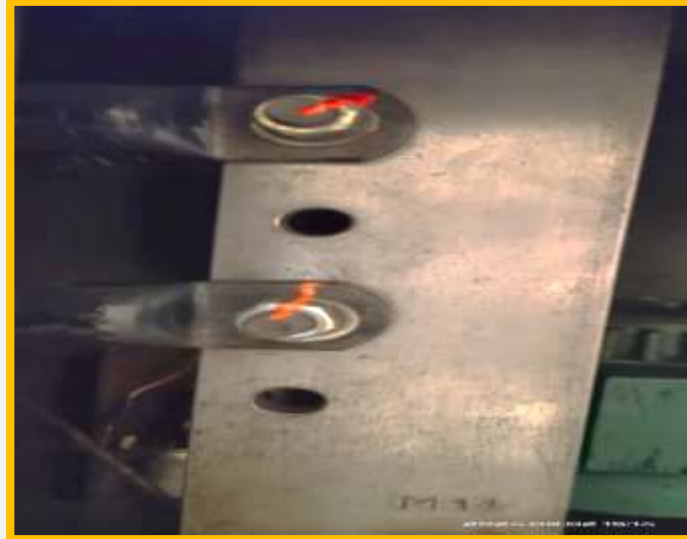
## USE OF ANTI TEMPERING MARKER ON POWER CABLE CONNECTIONS AFTER TIGHTNESS





# ACTION TAKEN

## USE OF ANTI TEMPERING MARKER ON POWER CABLE CONNECTIONS AFTER TIGHTNESS



## ACTION TAKEN

**TIGHTNESS CHECKING OF ELECTRICAL CONNECTION IN  
TRANSFORMER JUNCTION BOX (Completed in 177 MC, 08 at KPA)**





## ACTION TAKEN

### Use of Endoscopic Camera:

**This device being used at MEMU Shed, JAJ for proper visualization of cables and their terminals where it is not easy to inspect them directly .**



## OTHER MISCELLEANOUS WORK (ELECT SAFETY)

- All maintenance schedules are being followed.
- Working of safety relays e.g. PRV, BUD, TTR, BDV & DGA are being ensured as per respective schedules and parameters of DGA & BDV are analyzed for permissible limits.
- Drive has been completed for proper size of MCBs and Fuses intact.
- Irreversible Thermal Strips have been started to paste over Terminals of Power cables to judge the healthiness of these cables at a glance.



## **PASSENGER AMENITIES SAFETY**

- ❖ **Regular Maintenance:** Schedule regular maintenance checks for passenger amenities, such as coach lighting, fans, passenger seats, toilets to ensure they function properly.
- ❖ **Hygiene Protocols:** Maintaining cleanliness of washbasin & Bio toilets by bacteria recharge, tanks cleaning & lavatory cleaning.
- ❖ **Safety Information:** Provide clear safety information and instructions for using amenities, including emergency exit windows.
- ❖ **Mobile Charging points** are working is being ensured.
- ❖ **Lavatory fittings** like gravity cock, flush pipe are intact is being ensured.



**Sensitizing maintenance staff,  
escorting staff and train passing staff.**

- ❖ **Training & Counselling of maintenance staff to maintain extra vigilance during maintenance and avoid taking shortcuts in maintenance practices.**
- ❖ **Train Passing staff are counselled for thorough checking of safety items and ensure cleaning.**
- ❖ **Ensuring proper Night stabling check of MEMU rakes.**



**Action taken to ensure fire safety.**



## **ACTION TAKEN TO ENSURE FIRE SAFETY.**

- ❖ **Ensuring that adequate fire extinguishers are available in each MC, in working condition and with valid certification.**
- ❖ **Ensure that coaches are free from flammable items by conducting dry sweeping in the stabled rakes at the shed/yard.**
- ❖ **Drive has been launched to remove wrappers, Gatta, Pan Masala Gutka Papers from electrical fittings such as fan & lights.**
- ❖ **Training of operation of Fire extinguisher has been started.**

**Necessary coordination with other  
departments.**

## **NECESSARY COORDINATION WITH OTHER DEPARTMENTS.**

- ❑ From Security department- Necessary arrangement for deputation of RPF staff in Yard during Night stabling check.**
- ❑ From Operating Department-Stabling of rakes at designated place for ease of night stabling checks and shunting at faster rate for rakes stabled inside shed**
- ❑ Control has been sensitized to coordinate for resolving the en-route complaints fastly also JE has been nominated to monitor RM complaints.**



# **Passengers Awareness**

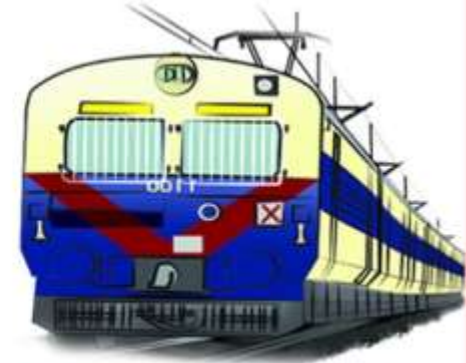
# PASSENGERS AWARENESS

**Pasting of safety stickers inside and outside coach body to increase passenger awareness about not to travel on roof and footsteps.**



## PASSENGERS AWARENESS

**भारतीय रेल अधिनियम, 1989 की धारा 156,  
के अधीन छत के ऊपर तथा फुटबोर्ड पर यात्रा  
करना दण्डनीय है।**



**Travelling on Roof Top & FootBoard is  
Punishable Under Section 156 of  
Indian Railways act. 1989**



THANK YOU.