

TRO DRIVE NO. 25 /2025

Sub : Winter Preparedness drive.

Ref. : Dy.CEE/OP's L. No.L.326.OP.Loco Corr/56 dated 14.10.2025

In reference to the above subject, drive on Winter Preparedness is launched from 15.10.2025 to 14.11.2025 focusing on aspects mentioned in HQ & Rly Board's letter under reference.

All CLIs are advised to check the aspects during this drive as per check list.

Details of the drive activities conducted to be submitted through link "Google Sheet" on the same day without fail.

DA : Dy CEE(OP)'s letter dated 14.10.2025

Central Railway

Divisional Office,
TRO Branch, Nagpur
Dt. 15.10.2025

No.: NGP/TRO/Safety/TRO DRIVE/24

Copy to:

CEE (OP)/CSMT : For kind information please.

All CCCO(R) : Display and obtain acknowledgement of the crew.

CTLC/NGP : For information & necessary action.

All CLI : For counseling to all running staff.

DI/DTC/AQ : To impart in training.

SSE/Trip Shed-Ajni: For information & necessary action.


/Sr. DEE (TRO) /NGP

CENTRAL RAILWAY

**PCEE's Office
Mumbai, CSM**

No. L.326.OP.Loco.Corr/56

Date 14.10.2025

**Sr. DEE/TRO/BB, BSL, NGP
Sr. DME /OP/PA,
DME /O&C/SUR**

Sub: Winter preparedness drive

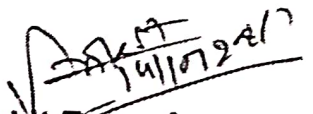
Ref: Railway Board's Letter No. 2021/Elect(TRS)/440/winter dated
13.10.2025

With reference to the above, Railway Board has issued winter precautions in view of upcoming winter season. Divisions are advised to launch intensive drive focusing on the aspects mentioned in the Railway Board's letter under reference. Check-sheet should be prepared and issued for trip sheds covering all the details for checking and fill to ensure that no point is missed.

Daily progress of the drive is to be updated in the Google link below:
<https://forms.gle/G3dWjRYLdxHdF9HV8>

Divisions are also advised to ensure their preparedness for safe train operation during fog by having an adequate number of fog-safe devices and ensuring their healthiness and working condition.

A compliance report is to be submitted to this office at the end of every month and after completion of the drive.


**Ankit Bansal
Dy. CEE (OP)**



No.2021/Elect(TRS)/440/winter

New Delhi, Dated : 13.10.2025

General Managers (Elect)
All Zonal Railways

SUB: Winter preparedness drive.

Ref: Railway Board's letter of even No. dated 21.10.2024.

- 1.0 Instructions exist for undertaking essential precautions and special drive to check all locos prior to the commencement of winter season, so that failures attributed to low temperature and fog do not occur and the reliability is maintained.
- 2.0 With the ensuing winter season & foggy weather, it is advised that all Zonal Railways should ensure their preparedness for safe train operation in fog by having adequate number of Fog Safe Devices (FSD) for all crew (freight/passenger trains). Zonal Railways shall ensure that FSDs given to crew are maintained in healthy and working conditions.

Common Items in Electric & Diesel Locomotives

- 2.1 Air dryer must be in working order and isolation should not be permitted.
- 2.2 Draining of moisture from all MR and ensure free movement of drain cocks and proper functioning of Auto Drain Valve.
- 2.3 Availability of dry sand in all sand boxes and all covers must be air tight.
- 2.4 TM inspection covers to be provided with gasket and ensure no air gap & locked properly.
- 2.5 Terminals of battery to be checked for sulphation, cleaning and petroleum jelly are applied on the terminals.
- 2.6 Free movement of brake cylinders. If found sluggish, overhauling should be done.
- 2.7 Headlights are cleaned and proper focus along with intensity to be ensured. Ensure proper working of flasher light, marker light, etc.

रेल भवन, रायसीना मार्ग, नई दिल्ली - 110001

Page 1 of 3

- 2.8 Ensure proper working of Gauge lights, Marker lights, Signal Exchange lights etc.
- 2.9 Ensure the proper working of wipers & Horn.

Electric Locomotives

- 3.0 The important pre-winter precautions mentioned in ACTM para 30514 and related instructions issued by RDSO for electric locomotives are reiterated as follows:
 - 3.1 During all trip inspections or roof inspections, whenever carried out, proper cleaning of roof-line & pantograph insulators with wet & dry cloth for maintaining shining surface finish may be ensured. Instructions laid down in RDSO SMI No. RDSO/ 2012/ EL/SMI/0274, Rev.0, dated 29.03.2012 may be ensured by homing shed before onset of winter.
 - 3.2 Ensure joint checking of loco roof equipment (including pantographs, cleaning of roof insulators and roof bar etc.) with TRD staff at sheds & trip shed as a preventive measure.
 - 3.3 Modification in mounting bracket of fixed contact and movable contact arm of HOM switch to increase the electrical clearance issued by RDSO vide RDSO/2012/EL/MS/0405 (Rev.0), dated 03.01.2012.
 - 3.4 'Re-greasing of pantograph servomotor to avoid jamming.
 - 3.5 Working of heaters/blowers in both cabs. Terminal connections of cab heater cum blower assembly are to be maintained as per RDSO modification No 'RDSO/2011/EL/MS/408 Rev '0' dated 30.05.2012.
 - 3.6 Air tightness of cab main doors, window shutters and sealing of ventilator covers.
 - 3.7 Proper level of oil to be maintained in TFP, GR and Traction Converter.
 - 3.8 Silica gel for Transformer, Tap changer and Traction Converter must be in good condition.
 - 3.9 SMGR servomotor cylinders to be cleaned and re-greased and SMGR sealing gasket to be checked for any air leakage.
 - 3.10 Proper level of oil to be maintained in compressors and ensure that unloaders are in working order.
 - 3.11 Proper lubrication of CTFs and reverser servomotors to be ensured.

The following important pre-winter precautions for diesel locos should also be ensured:

- 4.1 Cab doors, Engine rooms and Nose compartment doors and their lock handles must be in working order.
- 4.2 Cab heater should be in working condition.
- 4.3 Sealing gasket in the Cab Doors and Engine Doors be checked to ensure no air leakage.
- 4.4 Proper cleaning of look out door and window glass before the loco leaves the shed.

5.0 Zonal Railways are advised to take necessary action and send compliance to this office on completion of drive at the earliest.

6.0 A drive may be launched to conduct ambush checks to sensitize field maintenance & running staff & keep records of the progress made on cyclic checks. Feedback may be communicated to Board on completion of the same. The above points are not exhaustive and any other instruction, issued from time to time, may be incorporated in the drive to ensure safety and reliability of electric and diesel locomotives.

A : Relevant extracts from ACTM



Digitally signed
by Vikash Anand
Date: 2025.10.13
14:59:03 +05'30'

(विकाश आनंद)

निदेशक विद्युत अभियांत्रिकी (चलस्टॉक)

फ्लोर सं : 4, कमरा सं. : 452

रेलवेबोर्ड

टेली : 011- 47845425

ईमेल: vikashanand.irsep@gov.in

रेल भवन, रायसीना मार्ग, नई दिल्ली - 110001

Page 3 of 3

Scanned with CamScanner

4. Dissolved gas analysis of transformer and converter oil.
5. Insulation resistance of vital equipment like TM, Auxiliary blowers lying on shop floor to be improved by baking in oven, varnishing and proper covering.
6. Ensure implementation of modification sheet no. RDSO/ELRS/MS/0328 (Rev.0) dtd. 29.10.2003 for provision of water discharge outlet in TM & oil Scavenge blowers.
7. Checking of Megger value of Harmonic filter Resistance and cleaning if found less.
8. Battery box covers to be made water tight.
9. Side body air filters to be cleaned and maintain dust free environment.
10. Provision of drain pipe in SCTM bottom half to drain out accumulated water.
11. Fire prevention measure issued by RDSO vide letter No. EL/3.1.35/2 (Elect), dated. 29.01.2013 for three phase locos should be implemented.

WINTER PRECAUTIONS FOR CONVENTIONAL AC ELECTRIC LOCOMOTIVES

1. During all trip inspections or roof inspections whenever carried out, proper cleaning of roof-line & pantograph insulators with a wet & dry cloth for maintaining shining surface finish to be ensured. Further, application of Silicon oil to increase the hydrophobicity of insulator porcelain surface after cleaning and rounding off work on sharp edges of roof bar connections & fittings as per instructions laid down in RDSO SMI No. RDSO/2012/EL/SMI/0274, Rev'0', dated 29.03.2012 to be ensured by homing sheds before November.
2. Ensure joint checking of loco roof equipment (including pantographs, cleaning of roof insulators and roof bars etc.) with TRD staff at sheds & trip shed as a preventive measure.
3. Also, check flashover of roof insulators and roof line fittings as per RDSO's SMI no. RDSO/2012/EL/SMI/0274 Rev '0' dated 23.03.2012.
4. Regreasing of the servomotor of pantographs.
5. Ensure that all the four cab heaters/blowers are in working order.
6. Terminal connections of cab heater cum blower assembly are to be modified as per RDSO modification no. RDSO/2011/EL/MS/0408 Rev'0', dt. 30.05.12
7. The window shutter sealing gaskets to be checked and made air tight.
8. Ensure Cab doors and corridor doors locking handles are in working order. The door sealing gaskets should be held tight in the position.
9. Cab ventilator cover sealing should be perfect.
10. Main power transformer, Traction converter and tap changer breather silica-gel condition to be checked and replaced, if necessary. Proper Oil levels in TFP, GR & Traction converter to be checked and oil tested for dielectric strength.
11. Compressor oil baths to be checked and oil replaced, if necessary. Ensure unloaders are in working order.
12. SMGR sealing gaskets to be checked to ensure that there is no air leakage.
13. SMGR servomotor cylinders to be cleaned and regreased with recommended grease.
14. Ensure that Air dryer is in working order and isolation should not be permitted.
15. Draining of moisture from all MR and free movement of drain cocks to be ensured.
16. Ensure proper function of auto drain valves and air dryers.
17. Servomotors of CTFs & reversers to be lubricated afresh.
18. TM inspection cover sealing gaskets be checked to ensure that there is no air leakage.

19. Brake cylinder adjustment to be carried out and regreasing done. Free movement of brake cylinders to be ensured. If found sluggish, then overhauling should be done.
20. Terminals of battery to be checked for sulphation, cleaned and petroleum jelly applied on the terminals.
21. Sand boxes to be checked, wet sand to be removed and dry sand to be filled. All eight sanders are to be kept in working condition. Provision of gaskets to be ensured for air tightness.

The pre-winter precautions- provision of fogpass /fogsafe devices:

Fog Safe device: Check its availability and ensure it is in working order. (Use of Fog safe device during foggy and inclement weather as per Railway Board letter no.98/safety (A&R)/19/16 Dt. 25/10/2019).

- a. Instructions on train operation during foggy weather have been issued by Railway Board vide their letter referred above.
- b. Fog Safe devices are in use in many zonal Railways such as NCR, NR, NER, ECR, etc and being deployed similar to walkie-talkie (VHF sets) where crew collects and deploy Device during commencement of duty and return in home lobby after completion of duty. Device being mapped to specific route, above procedure is appropriate. Same procedure to be adopted in Central Railway
- c. Fog safe device is to be used in every winter season (usually spanning between November to February) and instruction have already been issued to ensure that running staff is properly trained & counselled in use of fog safe devices during foggy weather.
- d. Fog safe device deployment should be similar to walkie-talkie (VHF Sets). Portable fog safe devices to be kept charged in lobbies and to be carried with by crew during train operation in foggy weather.
- e. In this context, it is advised to ensure that adequate nos. of fog safe devices are available and in working condition for providing same to crew along with necessary arrangement for their charging, upkeep and operation.
- f. Fog safe device is not failsafe device therefore it should be used as an assisting equipment only. Crew should work as per G&SR and instructions issued time to time.
- g. LIs should monitor functioning of fog safe devices. If any correction is required for mapping it should be done on priority.

30514A DUTIES OF LOCO PILOT IN CASE OF CATTLE RUN OVER

When a Loco Pilot observes cattle on his track and according to opinion of Loco pilot the train's increased speed can result in cattle run over then Loco pilot shall control the speed of train by applying A 9 brake valve accordingly. Even after this cattle run over happens then Loco Pilot should stop the train and take the following actions to avoid the possible damages:

1. On the Flasher Light
2. Stop the train immediately
3. In case of any hindrance on the tracks remove it with the help of Railway Official and volunteers
4. Loco Pilot must inspect the Safety fittings of the engine and some side coaches for any damages or abnormalities caused due to run over.
5. In case of any damages or abnormalities seen, Loco Pilot must Report it to TLC and also mention the same in Loco Log Book.