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भारत सरकार - रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
लखनऊ - 226011
Government of India - Ministry of Railways
Research, Designs & Standards Organization,
LUCKNOW - 226011

No.EL/3.1.35/2Electrical

Date: 22.03.12

Chief Electrical Engineers,

1. East Central Railway, Hazipur - 844 101 (Bihar)
2. South East Central Railway, Bilaspur-495 004.
3. West Central Railway, Jabalpur 482 001.
4. Northern Railway, Baroda House, New Delhi-110 001.
5. Central Railway, 2nd floor, Parcel Office Bldg., Mumbai CST-400 001
6. South Central Railway, Rail Nilyam, Secunderabad - 500 071.
7. Eastern Railway, Fairlie Place, Kolkata -700 001.
8. South Eastern Railway, Garden Reach, Kolkata-700 043
9. Southern Railway, Park Town, Chennai-600 003
10. Western Railway, Churchgate, Mumbai -400 020

SPECIAL MAINTENANCE INSTRUCTION NO. RDSO/2012/EL/SMI/ 0275
Rev '0' Dated 22.03.2012

1. Title: Special Maintenance Instruction for measurement of millivolt drop of Contractor no. 218 and 126.

2. Brief History:

Modification sheet no. RDSO/2011/EL/MS/0399 (Rev.'0') dated 8.08.11 was issued earlier to reduce cases of life sign missing from different processor cards. In this connection ELS/AQ has now informed that they have found mV drop between wire no. 2095 and 2096 at the tip no. 1 and 2 of contactor 218; and between wire no. 2094 and 2095 at the tip no. 1 and 2 of contactor 126, in the range of 100 mV to 11 V in few locos which resulted in life sign missing messages from electronic cards. The matter was also discussed with other loco sheds holding 3-phase loco. Other sheds also have similar observations.

3. Object:

To reduce the mV drop when it is found that mV drop between wire no. 2095 and 2096 at the tip no. 1 and 2 of contactor 218; and between wire no. 2094 and 2095 at the tip no. 1 and 2 of contactor 126, are more.

4. Maintenance Instructions:

Measure the mV drop between wire no. 2095 and 2096 at the tip no. 1 and 2 of contactor 218; and between wire no. 2094 and 2095 at the tip no. 1 and 2 of contactor 126. If it is more than 50mV, the tips of the contactors should be cleaned so that mV drop remains within 50 mV

5. Application to class of Locomotives:

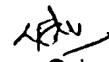
WAG9/WAG9H/WAP7/WAP5.

6. Agency of Implementation:

All Loco Sheds holding 3-Phase Locomotives.

7. Periodicity of Implementation:

One cycle in all locos in first available schedule and then in IC schedule.


(Sandeep Srivastava)
for DirectorGeneral/Electrical

Copy to:-

1. **Secretary (Electric Traction)**, Railway Board, Rail Bhavan,
New Delhi-110 001

2. **Sr. DEE (TRS), Electric Loco Sheds,**

- Central Railway, Ajni (Nagpur)-440008.
- South East Central Railway, BMY Complex, Bhilai, Durg-490 025.
- West Central Railway, Tughlakabad, New Delhi-110 044.
- Northern Railway, Ghaziabad (UP)-201 001.
- East Central Railway, Gomoh-828 401
- South Central Railway, Lallaguda, Secunderabad – 500 017.
- Eastern Railway, Howrah.
- South Eastern Railway, Tatanagar-831 002.
- Western Railway, Vadodara-390 002.
- Southern Railway, Royapuram, Chennai-600 013.


(Sandeep Srivastava)
for Director General/Electrical