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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/3.1.35/2

Dated 20.02.2008

Chief Electrical Engineers,

- Northern Railway, Baroda House, New Delhi-110 001
- East Central Railway, Hazipur - 844 101 (Bihar)
- Central Railway, 2nd floor, Parcel Office Bldg., Mumbai CST-400 001
- South Central Railway, Rail Nilyam, Secunderabad - 500 071.
- Chittaranjan Locomotive Works, Chittaranjan-713 331 (WB)

MODIFICATION SHEET NO. RDSO/2008/EL/MS/0357 (Rev.0), Dated 20.02.2008

- 1.0 **Title:** Modification in Control Circuit of Flasher Light and Head Light of 3-phase electric locomotive.
- 2.0 **Object:** To enable switching ON the Flasher Light and Head Light when loco remains idle for more than 10 minutes with main circuit breaker (VCB) in open condition and cab activation switch on 'ON' position.
- 3.0 **Existing Arrangement** with cross-references of respective design document:
As per attached drawing (ref.: Circuit Diagram, Vol. G1)
- 4.0 **Modified Arrangement** to replace existing arrangement as given above in 3.0:
As per attached drawing.
- 5.0 **Application to class of locomotives:** WAG9, WAP5, WAP7, WAG9H.
- 6.0 **Material Required:** Interconnecting Control Cable.
- 7.0 **Material Rendered Surplus:** Nil.
- 8.0 **Reference:** Item No.20 of 32nd MSG meeting.
- 9.0 **Modification Drawing:** Attached.
- 10.0 **Agency of Implementation:** CLW and Loco Sheds holding 3-phase locomotives.

Encl: As above

(Sandeep Srivastava)
for Director General/Elect.

Copy to:-

1. **Secretary (Electric Traction),** Railway Board, Rail Bhavan, New Delhi-110 001
2. **Chief Electrical Loco Engineers,**
 - Central Railway, 2nd floor, Parcel Office Bldg., Mumbai CST-400 001
 - East Central Railway, Hazipur - 844 101 (Bihar)
 - Northern Railway, Baroda House, New Delhi-110 001
 - South Central Railway, Rail Nilyam, Secunderabad - 500 071.
3. **Sr. DEE (TRS), Electric Loco Sheds,**
 - Central Railway, Ajni (Nagpur)-440008
 - East Central Railway, Gomoh-828 401
 - Northern Railway, Ghaziabad (UP)- 201001
 - South Central Railway, Lalaguda, Secunderabad - 500 017.

Encl: As above

(Sandeep Srivastava)
for Director General/Elect.



