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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 28.04.2006

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
- Chittaranjan Locomotive Works, Chittaranjan-713 331 (WB)

MODIFICATION SHEET NO. RDSO/2006/EL/MS/0344 (Rev.0), April 2006

- 1.0 **Title:** Modification in Control Circuit of 3-phase electric locomotive.
- 2.0 **Object:** To enable switching ON the Marker Light under locomotive dead condition.
- 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:** CEE/N.Rly.'s letter No. 230-Elect./TRS/92 Pt. XV dtd. 29.12.2005
and 230-Elect./TRS/92/2/12 dated 21.3.2006.
- 9.0 **Modification Drawing:** Attached.
- 10.0 **Agency of Implementation:** CLW and Loco Sheds holding 3-phase locomotives.

Encl: As above

(N.K.Sinha)
28/4/06
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
3. **Sr. DEE (TRS), Electric Loco Sheds,**
 - Central Railway, Ajni (Nagpur)-440008
 - East Central Railway, Gomoh-828 401
 - Northern Railway, Ghaziabad (UP)- 201001

Encl: As above

(N.K.Sinha)
28/4/06
for Director General/Elect.

MARKER LIGHT IN 3 PHASE LOCOMOTIVE

