Fax : (0522)-2452581 Telephone: (0522)-2465715

Telegram: 'RAILMANAK', Lucknow Email: dell7@rdso.railnet.gov.in



भारत सरकार — रेल मंत्रालय अनुसंघान 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, 2<sup>nd</sup> floor, Parcel Office Bldg., Mumbai CST-400 001
- > South Central Railway, Rail Nilyam, Secunderabad 500 071.
- > Chittaranian Locomotive Works, Chittaranian-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 then 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 32<sup>nd</sup> MSG meeting.
- 9.0 Modification Drawing: Attached.
- 10.0 Agency of Implementation: CLW and Loco Sheds holding 3-phase locomotives.

(Sandeep Srivastava) for Director General/Elect.

Encl: As above

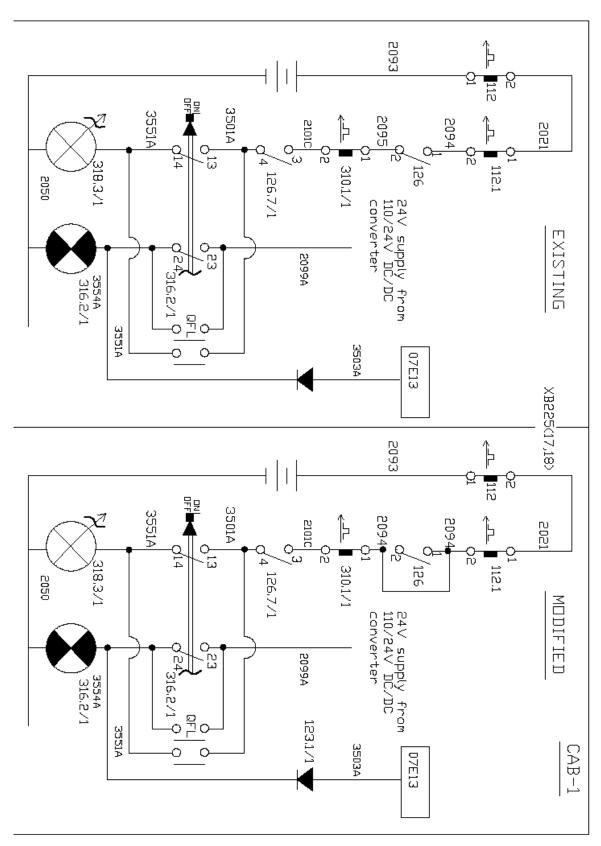
## Copy to:-

- 1. Secretary (Electric Traction), Railway Board, Rail Bhavan, New Delhi-110 001
- 2. Chief Electrical Loco Engineers,
  - Central Railway, 2<sup>nd</sup> 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.

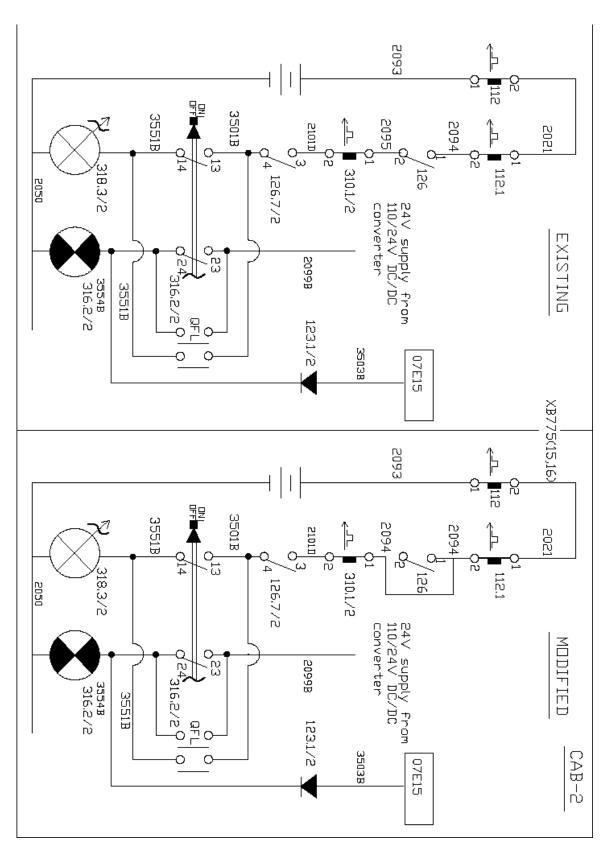
(Sandeep Srivastava) for Director General/Elect.

Encl: As above

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