



No. EL/3.1.35/2 Electrical

Dated 09.08.2011.

Chief Electrical Engineers,

- East Central Railway, Hazipur – 844 101 (Bihar)
- South East Central Railway, Bilaspur-495 004.
- West Central Railway, Jabalpur 482 001.
- Northern Railway, Baroda House, New Delhi-110 001.
- Central Railway, 2nd floor, Parcel Office Bldg., Mumbai CST-400 001
- South Central Railway, Rail Nilyam, Secunderabad – 500 071.
- Eastern Railway, Fairlie Place, Kolkata -700 001.
- South Eastern Railway, Garden Reach, Kolkata-700 043
- Chittaranjan Locomotive Works, Chittaranjan-713 331 (WB)

MODIFICATION SHEET NO. RDSO/2011/EL/MS/0399 (Rev.0) . Dated 8.8.11.

1.0 Title:

Removal of interlocks of control circuit contactors No. 126 from MCPA circuit.

2.0 Object:

There are cases of life sign missing from different processors. On thorough investigation it was found that the interlocks of control circuit contactor no. 126 is getting flashed and as this interlock is also feeding the supply to cards, causes intermittent power supply failures to cards due to bad contact. As per ELS/LGD investigation, cause of flashing of this interlock is switching OFF of electronics while Auxiliary compressor is ON. ELS/LGD based on their experience have removed this interlock from MCPA circuit. This modification has also been done at ELS/LGD. This will not cause any change in working of MCPA as feed to contactor auxiliary compressor 48.2 comes through interlock of control circuit contactor no.126 (3EHP281146, 06E).

3.0 Existing Arrangement with cross-references of respective design document:

The existing drawing is indicated in the enclosure .

4.0 Modified Arrangement to replace existing arrangement as given above in 3.0:

1. Remove the incoming strip for MCB 48.1 from Bus bar in SB-2 panel.
2. Connect 3 mm² cable at MCB 48.1 (5th from left side) incoming (where strip was removed) and other end of the cable to be looped at incoming of MCB No. 127.81 (1st from left side) at SB-2 panel.
3. Both ends of the cable to be numbered as 2094
4. Relevant circuit diagram is enclosed.

- 5.0 **Application to class of locomotives:**
WAP-5, WAP-7, WAG-9, WAG-9H.
- 6.0 **Material Required:**
E-beam irradiated cable of 3 mm², 0.5 meter per loco.
- 7.0 **Material Rendered Surplus:**
Nil.
- 8.0 **Reference:**
E-mail of Ajni shed/Central Railway.
- 9.0 **Modification Drawing:**
Attached.
- 10.0 **Agency of Implementation:**
CLW and Loco Sheds holding, 3-phase locomotives.

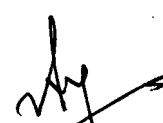


(A.K. Goswami)
for Director General/Elect.

Encl: As Above .

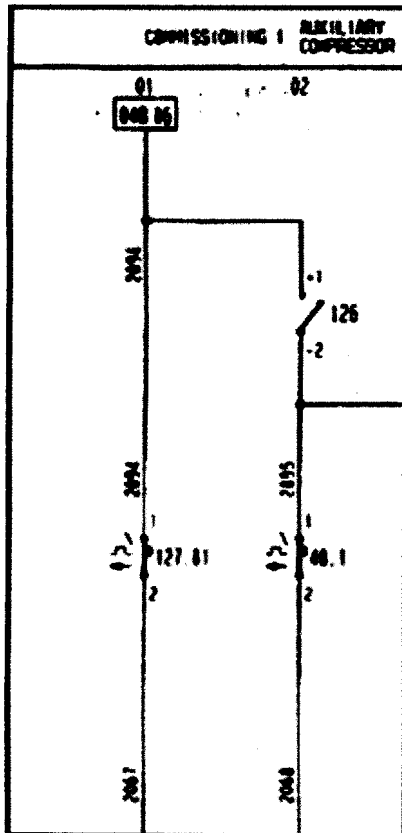
Copy to:-

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.

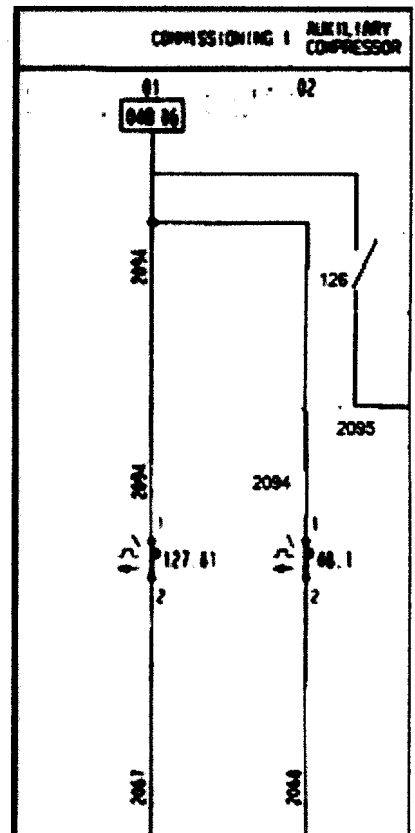


(A.K. Goswami)
for Director General/Elect.

Encl: As above



Existing Circuit



Modified circuit

3EHP281144