

Modification Sheet No. HDSO/WAM4/75.

1. Title of modification :
Shifting of control supply to DC Coil of M/s English Electric make relays QRS I-1/2, QLM, Q 30 from CCLS to CCPT.
2. Application to Class of Locomotives :
WAM4 locomotive No. 20654 to 20676.
3. Object of Modifications :
Ghaziabad Shed reported frequent tripping of DJ in the event of melting of fuse CCLS due to short circuiting of Indication Lamps and other minor faults. The feed to DC Coil of M/s English Electric make relay used as QRSI. 1&2 QLM & Q30 is through CCLS fuse, thus melting of CCLS fuse (due to minor reasons) trips DJ. By shifting the feed of these relays to CCPT such trippings will be eliminated.
4. Modification Drawing No.:
HDSO SKEL-2934 and SKEL 2935.
5. Agency for modification :
From locomotive No. 20654 to 20676 by S.E. & N.Rlys.
6. (a) Material required :
2.5 mm² cable of 750 V grade - 2.5 metres/Locomotive.
(b) Material rendered surplus :
Nil.
7. Work to be carried out :
 - i) Cable No. GG 211 from QV 60(N/O) to QRSI-1(term.7) to be disconnected at both ends.
 - ii) Lay a new cable ⁰⁰⁻700 from BD 700 terminal to QRSI-2 terminal No.7.
 - iii) Change the existing tag HH211 as PP700 from QRSI-1 to QRSI-2 at both ends.
 - iv) Change the existing tag II 211 as QQ 700 from QRSI-2 to QLM at both ends.
 - v) Change the existing tag NN 211 as RR 700 from QLM to Q 30 relay at both ends.
8. Reference :
DEE(RS)Ghaziabad's letter No.230-Elect/TRS/GZB/T-22 dated 29/4/8/5/78.
9. Distribution : As per list.

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

General Manager (Electrical), Central Railway, Bombay VT, Maharashtra 400 001.

General Manager (Electrical), Eastern Railway, Fairlie Place, Calcutta, West Bengal 700 001.

General Manager (Electrical), Northern Railway, Baroda House, New Delhi-110001.

General Manager (Electrical), South Western Railway, Garden Reach, Calcutta, West Bengal 700043.

General Manager (Electrical), Western Railway, Churchgate, Bombay, Maharashtra-400 020.

General Manager (Electrical), Chittaranjan Locomotive Works, Chittaranjan, Distt. Burdwan, West Bengal 713 331.

Superintendent Workshop, Eastern Railway, Kancharapara, West Bengal - 743 145.

Dy. Chief Electrical Engineer, (POH), Central Railway, Bhusaval, Maharashtra-425201

Deputy Chief Electrical Engineer, Kancharapara Shops, Eastern Railway, Kancharapara, West Bengal - 743145.

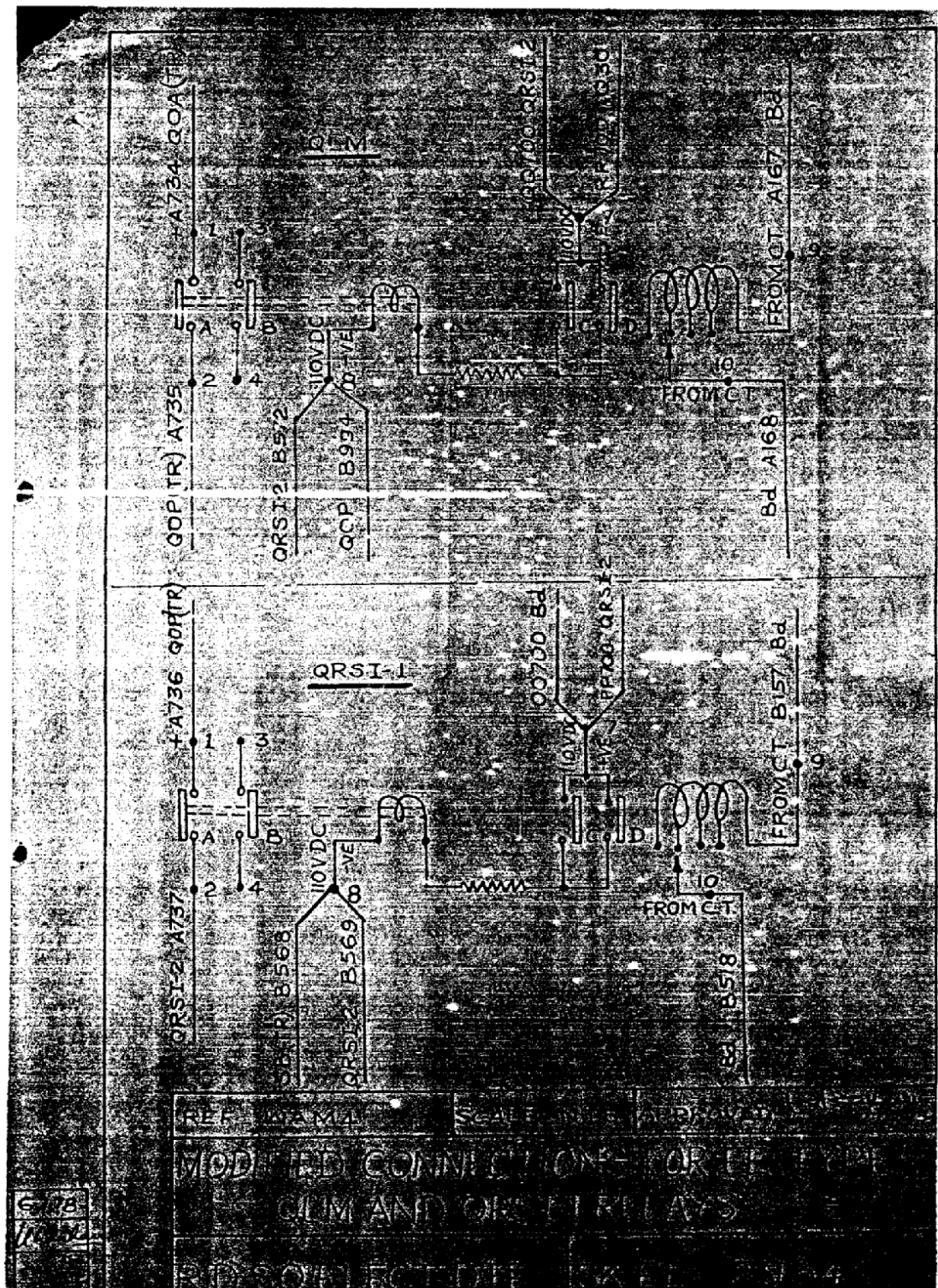
Deputy Chief Electrical Engineer (Design), Chittaranjan Locomotive Works, Chittaranjan, West Bengal 713 331.

Deputy Chief Electrical Engineer, South Eastern Railway, Tatanagar, Bihar.

× Senior Divisional Electrical Engineer (TRS), Central Railway, Kalyan, Bombay, Maharashtra-421 301.

Senior Divisional Electrical Engineer (TRS), Eastern Railway, Mughalsarai, Uttar Pradesh-232 101.

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REF. WAM 111 SCALE 1/16" = 1" (1/16" = 1")
MODIFIED CONNECTIONS FOR TYPE
CLIM AND QRS RELAYS
REVISED DATE 11/1/54