

EL/6.11.1

Dated 16.12.2004

**Amendment no. 1**

Sub : Amendment in the specifications No. ELRS/SPEC/PR/0024 Rev-1 Sep 2004 of twin beam head light.

The specification No. ELRS/SPEC/PR/0024 Rev-1 Sep 2004 for twin beam head light sent vide letter no. EL 6.11.1 date 22.9.04 does not include some of the parameters of diesel loco, EMU's & DMU's. The details of these parameters are given below.

Clause No	Existing	Amended
2.6	(i) Front Bright (ii) Rear Bright (iii) Front Dim (iv) Rear Dim	(A) <i>Electric Loco</i> (i) Front Bright (ii) Rear Bright (iii) Front Dim (v) Rear Dim (B) <i>Diesel Loco</i> <i>HLPS modified version is to be supplied</i> (i) <i>Front Bright</i> (ii) <i>Rear Bright</i> (iii) <i>Front Dim</i> (iv) <i>Rear Dim</i> (V) <i>Front &amp; Rear Dim</i> (vi) <i>Off</i> (C) <i>EMU/DMU</i> (i) <i>Bright</i>   <i>For (i) &amp; (ii) Through2</i> (ii) <i>Dim</i>   <i>way rotary switch.</i> (iii) <i>Off</i> - <i>Through On/Off</i> <i>toggle switch.</i>
3.7	(i) Max. vertical acceleration - 1.0g (ii) Max. longitudinal acceleration - 3.0g (iii) Max. transverse acceleration - 2.0g	(i) Max. vertical acceleration - 3.0g (ii) Max. longitudinal acceleration - 3.0g (iii) Max. transverse acceleration - 3.0g
6.3.2	IR test  -110V circuit and earth : 20 M Ohms -Control Electronics : 10 M Ohms and earth -Screen to earth : 10 M Ohms -Lamp unit to earth : 10 M Ohms	IR test  - Control circuit and earth : 20 M Ohms - Electronics and earth : 20 M Ohms -Screen to earth : 20 M Ohms -Lamp unit to earth : 20 M Ohms

6.3.9	Vibration test shall be carried out as per IEC-77 on complete head light assembly in working condition. The test results shall be treated as satisfactory if there is no failure/damage noticed.	Vibration test shall be carried out as per IEC-77 on complete head light assembly in working condition for 8 hours. The test results shall be treated as satisfactory if there is no failure/damage noticed.
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These amendments should be read along with above specifications.

Copy to: Dir/MP  
Distribution: As per Attached list

(Ram Prakash)  
For DG/Electrical

**Chief electrical Engineers:**

1. Central Railway, Mumbai, CST-400 001.
2. East Central Railway, Hazipur-844101.
3. East Coast Railway, Chandrashekharpur, Bhubaneshwar-751016.
4. Eastern Railway, Fairlie Place, Calcutta-700001.
5. North Central Railway, Hastings Road, Allahabad- 211001.
6. Northern Railway, Baroda House, New Delhi-110001.
7. South Central Railway, Secunderabad-500 071.
8. South East Central Railway, Bilaspur-495004.
9. South Eastern Railway, Garden Reach, Calcutta-700 043.
10. Southern Railway, Park Town, Chennai-600 003.
11. West Central Railway, Jabalpur-482001.
12. Western Railway, Churchgate, Mumbai-400 020.
13. Chittaranjan Locomotive Works, Chittaranjan-713331 (WB)
14. Rail Coach Factory, PO: Hussainpur, Kapurthala-144 602(Punjab).
15. Integral Coach Factory, Perambur, Chennai-600 038.

(Ram Prakash)  
for Director General Std/Elect

EL/6.11.1

Dated 16.12.2004

**Amendment no. 1**

Sub : Amendment in the specification No. ELRS/SPEC/Dc-Dc Converter/0021 Rev-1 Sep 2004 of and DC-DC converter.

The specification No. ELRS/SPEC/Dc-Dc Converter/0021 Rev-1 Sep 2004 for Dc-Dc converter sent vide letter no. EL 6.11.1 date 22.9.04 does not include some of the parameters of diesel loco, EMU's & DMU's. The details of these parameters are given below.

Clause No	Existing	Amended
2.5	..... gray colour (code-631 of IS-5).	..... gray colour (code-631 of IS-5) <i>for electric loco and siemens gray for diesel locos.</i>
3.7	(i) Max. vertical acceleration - 1.0g (ii) Max. longitudinal acceleration - 3.0g (iii) Max. transverse acceleration - 2.0g	(i) Max. vertical acceleration - 3.0g (ii) Max. longitudinal acceleration - 3.0g (iii) Max. transverse acceleration - 3.0g
6.3.9	IR test -110V circuit and earth : 20 M Ohms -Control Electronics and earth : 10 M Ohms -Screen to earth : 10 M Ohms -Lamp unit to earth : 10 M Ohms	IR test - Control circuit and earth : 20 M Ohms - Electronics and earth : 20 M Ohms -Screen to earth : 20 M Ohms -Lamp unit to earth : 20 M Ohms
6.3.11.1	Vertical acc. = 1.0g at 2h Longitudinal acc. = 3.0g at 2h Transverse acc. = 2.0g at 2h	Vertical acc. = 3.0g at 8 hours Longitudinal acc. = 3.0g at 8 hours Transverse acc. = 3.0g at 8 hours

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