

नार 'रेल मानक' लखनऊ
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अनुसंधान अभिकल्प और मानक संगठन

Government of India - Ministry of Railways
RESEARCH DESIGNS & STANDARDS ORGANISATION

पत्र संख्या
Our Reference No. EL/3.2.135

लखनऊ-226011-दिनांक
LUCKNOW-226011 Date 29.3.1990

SPECIAL MAINTENANCE INSTRUCTIONS NO. RDSO/ELRS/SMI/139

1. Title:

Checking the capacitance of the capacitors in AC damping, DC damping and snubber circuits of silicon rectifiers used on electric loco.

2. Application to class of locomotives:

All electric locos fitted with silicon rectifier.

3. Object of special Maintenance Instructions:

To ascertain the state of capacitors in the rectifier circuit and to assess the performance.

4. Instruction drawing:

Nil.

5. Instructions:

Measure the capacitance of damping circuit, snubber circuit in every AOH using portable capacitance meter of type:

i) Agronic model 57 or equivalent.

ii) Digital LCR-Q meter of M/s. Aplab Model 4910 or equivalent.

Capacitance of individual capacitors to be measured and failures recorded with date, loco number, type of capacitor location etc. and reported.

6. Periodicity of checking:

During every AOH.

7. Agency of implementation:

All electric loco shed.

8. Reference:

MSG - XVIII Dec., 1990 (Item No.7)

9.

Distribution:

As per list enclosed.

Handwritten signature
(V.Sadasivan)
for Director General/Elect.