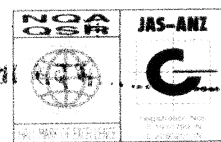




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Dlw.m.65.262

Dated: 12.10.11

DESIGN BULLETIN

1. **Design bulletin no.** DB/01/2011/14
2. **Subject -** Load control / regulation (LR activation) in WDG4/P4B.
3. **Background -** Shop reporting of (a) LR% stabilizing below 90% and (b) fluctuation in LR% during LT2 test of WDG4/P4B locomotives in LTS.
(Reference – SSE/ET's letter No. SSE/ET/Design/02 dated 28.04.2010)
4. **Objective -** Investigation into the causes of LR% fluctuation.
5. **Details of Study / Investigation -** Issue were raised to EMD for clarification regarding load regulation on extreme ambient conditions. EMD has given clarification.

EMD has recommended that LR value of 85-91 % is acceptable during LT2 condition on a WDG4 locomotive equipped with 4500 BHP, EMD 16-710-G3B-MUI engine and governor rack set to EMD approved settings. It has to be noted that a LR value of close to 85 % is typically expected under extremely high ambient temperature condition.

6. **Implementation -** LTS, Inspection.

7. **Circulation -** Sr.ED/MP Dte/RDSO,
CME (P), CQAM
Dy.CME (Loco), Dy.CME (Engine), Dy.CDE/TC, SSE
(LTS), SSE (ET), SSE (ES), SSE (E-III)
SSE (Design)/Engine/TC

S. B. Patel
(S. B. Patel)
Dy.CDE (Engine)

[Signature]
दिनांक

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