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**CENTRE FOR DESIGN & DEVELOPMENT**  
**CHITTARANJAN LOCOMOTIVE WORKS**

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No. C-D&D/T/42

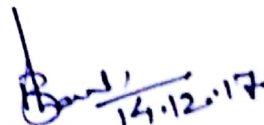
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**Sub: Testing of New Cab Redundancy software.**

**Ref: SCR L. No. E.221/Control Electronics/Vol. I dated 30/10/2017.**

1. The issues reported by different Electric Loco shed regarding the operation of cab redundancy feature in three phase locomotives has been examined by CLW. The software has been modified to address the issues reported from different sheds duly implementing the required changes in wiring. This modified version has already been uploaded and tested in 11 (01 WAG-9 and 10 WAP-7) locos homed at ELS/LGD as mentioned vide reference above. Furthermore ELS/Lallaguda has reported that the performance is satisfactory and has requested for regular cut-in.
2. Moreover for the extended validation of software it is requested to validate the software in five (05) three phase electric locos (GTO/IGBT) homed at your shed. For this necessary wiring, downloading procedure and test procedure for the new scheme is attached as Annexure. The same is also available with trial new cab redundancy software on CLW Website.
3. The performance of the locomotive with new cab redundancy software may be monitored. Which shall be discussed during the reliability meeting at CLW dated 06-07 January 2018.

DA: As Attached

  
(R.P. Bharti)  
Dy. CEE/D&D