



**No. C-D&D/T/21, Vol. II**

**Date: As signed**

**M/s ABB India Limited**  
21st floor, World Trade Centre,  
Dr. Rajkumar Road, Malleshwaram  
West Bangalore- 560 001, Karnataka, India

**Sub: Approval of s/w ver. 97 for Battery charger of Auxiliary converter under 3 Phase drive Propulsion System.**

**Ref:** (i) M/s ABB Ref. No. ABB/4118/ROU/SER/PE/079 dated 29.01.2024  
(ii) M/s ABB Ref. No. ABB/4118/CLW/PE/0074 dated 15.02.2024  
(iii) M/s ABB ref. no. ABB/4118/CLW/PE/0075 dated 21.02.2024

**1.0** In response to your letter under reference, competent authority has accorded limited permission to download software version 97 in 10 locomotives each at different electric/diesel loco sheds. The modification carried out for battery charger of auxiliary converter is as follows:

- a. State Machine bug fixed for wrong state transition.
- b. Spurious BCC overcurrent treated with auto reset feature for first OC and trip for second OC.

**2.** The aforesaid software with release note may be downloaded from the below link: [https://clw.indianrailways.gov.in/view\\_section.jsp?lang=0&id=0,295,329,493,496s](https://clw.indianrailways.gov.in/view_section.jsp?lang=0&id=0,295,329,493,496s)  
Further the performance/comments/feedback/issues, if any, may be sent to this office on [ceednd@clw.railnet.gov.in](mailto:ceednd@clw.railnet.gov.in) & [dyceedd@clw.railnet.gov.in](mailto:dyceedd@clw.railnet.gov.in)

*Saddam Hussain*  
29/02/2024

(Saddam Hussain)  
SEE/D&D

**Copy to:**

1. Sr. DEE/ELS, All Zonal railways
2. Sr. DME/DLS, All Zonal railways

-- For kind information please  
-- For kind information please

*Saddam Hussain*  
29/02/2024

SEE/D&D