



No: C-D&D/T/24 (Part)/ABB/Type test

Dated: 13.09.2023

Sr. DEE/ELS/BNDM South Eastern railway	Sr. DEE/ELS/BIA South East Central Railway	Sr. DEE/ELS/VSKP East Coast Railway
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Sub: Approval of Energy saving Software for downloading in M/s ABB make Propulsion  
Ref: M/s ABB email dated 12.09.2023

1. Vide email under reference above joint note of ELS/VSKP/ECOR has been shared. In this joint note it has been observed that trial software version for energy saving has been downloaded in loco no. 30082 and operational logic has been found in line with the requirement provided vide CLW mail dated 30.05.2023. Further the software version for energy saving for different subsystem are as follows:

SN	Subsystem	Processor	Software Version
1	Vehicle Control Unit	RIOM 1 & 2	4001
2		BRIO 1 & 2	4001
3	Traction Converter	SLG 1 & 2	0083
4	Auxiliary Converter	BUR 1, 2 & 3	0082
5	Driver Display Unit	DDU 1 & 2	A-0.95

2. As per successful validation of energy saving software at ELS/VSKP/ECOR, permission for downloading the aforesaid Software version in all the locomotives equipped with new propulsion system of M/s ABB make having VCU of M/s Leroy Make to validate the performance is hereby accorded. Further the hardware modification to be carried out for implementation of energy saving scheme i.e Shifting of Machine Room (MR) Blower, Scavenge to MR Blower and Cab AC to BUR-3 (Auxiliary Converter 3) is provided as annexure.

The aforesaid software with release note can be downloaded from the below link:  
[https://clw.indianrailways.gov.in/view\\_section.jsp?lang=0&id=0,295,329,493,496](https://clw.indianrailways.gov.in/view_section.jsp?lang=0&id=0,295,329,493,496)

The performance of the software maybe sent to his office on [ceednd@clw.railnet.gov.in](mailto:ceednd@clw.railnet.gov.in), [dyceedd@clw.railnet.gov.in](mailto:dyceedd@clw.railnet.gov.in) and [ssednd2@clw.railnet.gov.in](mailto:ssednd2@clw.railnet.gov.in).

DA: Annexure for Hardware Modification to be carried out for Energy saving scheme (1 page)

  
(Pankaj Kumar)  
Dy.CEE/D&D-I

Copy to:

M/s. ABB Limited,  
Bangalore - 560001

For kind information and necessary action please for downloading of aforesaid software in new propulsion system with M/s Leroy VCU. Further it is requested to validate energy saving software in standalone converter and in old propulsion system equipped with CDAC based VCU.

  
Dy.CEE/D&D-I