

INDIAN RAILWAYS
CENTRE FOR DESIGN & DEVELOPMENT
CHITTARANJAN LOCOMOTIVE WORKS

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Date: 4.09.2020

No. C-D&D/T/21, Vol-I

Chief Electrical Loco Engineer

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Sub: Software of Push Pull operation for M/s BHEL make Three Phase drive propulsion system

- Ref:** (i) This office letter no. C-D&D/T/21, Vol-I dated 21.10.2019
 (ii) BHEL letter Ref. no. PES/Comml./PS-77/2/GR dated 28.08.2020
 (iii) This office letter no. C-D&D/T/34(part) dated 21.10.2019

- 1.0 Vide letter under ref. (i), limited approval for downloading of Software version 50 (in place of current software version 49) was accorded for five (05) locomotives equipped with M/s BHEL make Three Phase Drive Propulsion System at ELS/TATA & ELS/LGD.
- 2.0 Vide letter under ref. (ii), M/s BHEL has updated the above mentioned two software version 49 (old BHEL cab redundancy) & 50 (new BHEL cab redundancy) for push pull operation and the Software Version are as tabulated below.

SN	Existing VCU S/W Version	Updated VCU S/W Version including Push Pull modification
1.	49	610
2.	50	620

- 3.0 Hence the aforesaid updated software version 610 (in place of 49) and 620 (in place of 50) can be used for trial of Push Pull operation for the loco equipped with M/s BHEL make Three phase Drive propulsion system. Comments/ Feedback/ Issues if any maybe sent to this office on ceednd@clw.railnet.gov.in, dyceed@clw.railnet.gov.in. Further the aforesaid software can be downloaded from the below mentioned link:
https://clw.indianrailways.gov.in/view_section.jsp?lang=0&id=0,295,329,493,496
 However interoperability with other make of propulsion system can't be done presently. Once the implementation of the ICD (Interface Control document) as per letter under ref. (iii) is implemented & tested, then new software version for push pull will be approved & uploaded on CLW Website.

DA: As above.

14.09.2020
 (S.S. Yadav)

Dy.CEE/D&D-I/CLW

Copy to :

Secretary (Electrical), Railway Board, New Delhi- 110 001
 (Kind Attn : Shri Kishore Vaibhav, Dir. Elect. Engg. (RS), RB
 PEDSE, RDSO, P.O. Manaknagar, Lucknow – 226 011
 (kind Attn: Jitendra Yadav, Director/TPL/RDSO)

For kind information please.

Chief Design Engineer, DLW, Varanasi
Chief Electrical Engineer/Loco, DMW Patiala
Sr.DEE/ELS/LGD, Sr.DEE/ELS/KZI/South Central Railway
Sr.DEE/ELS/CNB/North Central Railway
Sr.DEE/ELS/BRC/Western Railway
Sr.DEE/ELS/BIA/South East Central Railway
Sr.DEE/ELS/ET, Sr.DEE/ELS/TKD, Sr.DEE/ELS/NKJ/West Central Railway
Sr.DEE/ELS/WAT/East Coast Railway
Sr. DEE/ELW/BSL, Sr. DEE/ELS/KYN, Sr.DEE/ELS/AQ/Central Railway
Sr. DEE/ELS/RPM, Sr.DEE/ELS/ED/Southern Railway
Sr. DEE/ELS/GZB, Sr.DEE/ELS/LDH, Sr.DEE/KJGY/Northern Railway
Sr. DEE/ELS/GMO, Sr. DEE/BJU/East Central Railway
Sr. DEE/ELS/HWH, Sr. DEE/BWN/Eastern Railway
Sr. DEE/ELS/TATA, Sr. DEE/BNDM, Sr.DEE/ROU, Sr.DEE/BKSC, Sr. DEE/
SRC/South Eastern Railway

} For kind information
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(S.S. Yadav)
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