

INDIAN RAILWAYS
CENTRE FOR DESIGN & DEVELOPMENT
CHITTARANJAN LOCOMOTIVE WORKS

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No. C-D&D/T/24 (Part)/ Siemens

Date: As Signed

M/s Siemens Ltd.

Plot 6A, Maruti Industrial Area,
Huda, Sector 18, Gurgaon- 112 015

Sub: Approval of loco software of M/s. Siemens make Three phase drive propulsion system.

Ref. (i) M/s. Siemens letter no. SMO/RS/Propulsion/Improvements dated 19.02.2025
(ii) Joint note dated 19.02.2025.

1.0 Vide ref.(ii), M/s Siemens has demonstrated the redundancy of 1/6 and 1/4 in loco no. 65052B at CLW. In view of the above, Competent authority has accorded permission for downloading the below mentioned software in all locomotives (WAG-9H & WAP-7) as requested by M/s. Siemens vide ref. (i) above.

Device Name	Application	NSDB	Operating system	Parameter
CCU 1	2.08	2.82	2.5	0.227
CCU 2	2.08	2.82	2.5	0.227
TCU 1	2.28	2.32	2.5	
TCU 2	2.28	2.32	2.5	
WTB	3.13	0.00		
Siemens	1.2.1 (WAG-9)	2.81		
Display 1	1.15 (WAP-7)			
Siemens	1.2.1 (WAG-9)	2.81		
Display 2	1.15 (WAP-7)			
AMiT Display 1	2.1.3	2.66		
AMiT Display 2	2.1.3	2.66		
AUX 1	2.07	1.67		
AUX 2	2.07	1.67		
AUX 3	2.07	1.67		
IO STATION 11	1.05/1.22/2.00/0.2 1/0.23	1.00/0..002/0.01/ 2.00/1.02		
IO STATION 12	1.05/1.22/2.00/0.5 2	1.00/0..002/0.01/ 2.00/1.02		
IO STATION 21	1.05/1.22/2.00/0.2 1/0.23	1.00/0..002/0.01/ 2.00/1.02		
IO STATION 22	1.05/1.22/2.00/0.5 2	1.00/0..002/0.01/ 2.00/1.02		

2.0 It is also advised to demonstrate 1/6 and 1/4 redundancy for traction converter of 1500A IGBT module. Further, it is requested to submit action plan against EMI/EMC for necessary modification for necessary modification for isolation of Harmonic filter as issued by RDSO MS 504.

3.0 The aforesaid software may be downloaded from the below link:

https://clw.indianrailways.gov.in/view_section.jsp?lang=0&id=0,295,329,493,496s

Further comments/feedback/issues if any may be sent to this office on ceednd@clw.railnet.gov.in & dyceedd@clw.railnet.gov.in.

Dy.CEE/Loco/CLW
Dy.CDE-I/BLW
Dy.CEE/Design/PLW
Sr.DEE & Sr.DME/All Electric and Diesel loco shed



For kind information please.

(Pankaj Kumar)
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