



सत्यमेव जयते

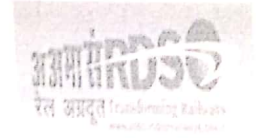
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Government of India - Ministry of Railways
Research, Designs & Standards Organization,
LUCKNOW - 226011



No. EL/3.1.28 (RTIS)

Dated: 27.05.2019

Director (Operations),
Centre for Railway Information Systems,
Chanakyapuri, New Delhi-110 021

(Kind Attn.: Shri Manoj Akhouri)

Sub: Minutes of Meeting held at ELS/GZB/NR on 04/04/2019 regarding
Implementation of Real-time Train Information System (RTIS) on Electric
Locomotives.

Please find enclosed herewith the copy of subject Minutes of Meeting for your
information & further necessary action.

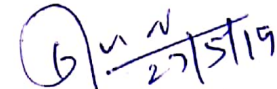

(Sudhir Ranjan)

Encl: As above

for Director General Std. /Electrical

Copy to:

1. Secretary (Traction), Railway Board, Rail Bhavan, New Delhi-110001
(Kind Attn.: Shri A.K.Goswami, DEE/RSRB) - for information please.
2. **Principal Chief Electrical Engineer**, Northern Railway, Baroda House, New
Delhi-110001- for kind information & necessary action please.
3. M/s Bharat Electronics Limited(A Govt. Of India Enterprise),Ministry of
Defence,405, Industrial Area, Phase-III, Panchkula- 134 113(Haryana)
(Kind Attn.: Smt.Deepa Bajpai, Sr.DGM (D&E))- for kind information please.


(Sudhir Ranjan)

Encl: As above

for Director General Std. /Electrical

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Record of Decisions taken during the meeting and joint inspection of RTIS device fitment carried out in ELS/GZB by RDSO and CRIS on 04.04.2019

Attendees:

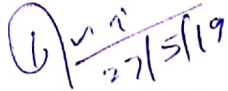
RDSO/Railways	CRIS
S/Shri • O.P. Kesari, PEDSE/RDSO • Sudhir Ranjan, EDSE/RDSO • Manish Kumar Sinha, SR.DEE, ELS/GZB • Rahul, Dy.CPMIT, N.Rly. • Arvind Pandey, Dy.Director, RDSO • Kamal Kant Rastogi, DEE, ELS/GZB	S/Shri • Manoj Krishna Akhouri, Director/Operations • Raman Bansal, CPECN • Ashish Arora, SPE/CN • Anil Beelwal, SPE/CN • Swapna Warikoo, SPE/CN • Ambrish Gautam, PE/CN
	Bharat Electronics Ltd. (BEL)
	S/Shri • Mohan Lal, DGM, BEL, Panchkula • Gurmeet Singh, DGM, BEL, Panchkula • Ramesh Chauhan, DGM. BEL, Panchkula

Following decisions were taken during the inspection/meeting:

1. Guide for the Users: Loco devices shall have a laminated sticker with "RTIS" written on it for identification of the device by the crew and the instructions to be observed for its use.
2. CRIS shall submit to RDSO a maintenance and operation procedure document/user manual which shall specify checks and preventive maintenance activities to be carried out by Loco sheds whenever locomotive come to the shed for maintenance. This document shall specify the procedure for carrying out checks/maintenance activities by loco shed staff. CRIS shall review this document based on feedback from ELS/GZB and forward the same to RDSO for approval and instructions to electric loco sheds accordingly.
3. Maintenance schedule of RTIS device has to be planned along with the regular maintenance schedule of locomotives. In addition, provisions for attending to the devices should also be there in Trip sheds or in major coaching depots.
4. CRIS shall organize user trainings at various loco sheds which shall be attended by loco shed staff. Zonal training instructors shall also participate in the training for further training to the railway crew. This training shall cover inter alia overview of the RTIS system and its various components, objectives of RTIS, procedure

for operating the device by crew along with maintenance and troubleshooting steps.

5. The fitment of loco device was inspected in WAP-7 locomotive of both indoor and outdoor units. As regards placement of Indoor Unit which is presently placed on ALP's side, RDSO suggested that location of indoor unit should be such that it does not interfere with normal working of crew. Keeping in view the present design of indoor unit, it was recommended by RDSO that indoor unit should be installed in locomotives in such a way that space occupied on driver's desk is minimum. Therefore, CRIS should submit the revised layout of indoor unit location drawing suitably as discussed for providing it in 3 -phase as well as WAP4 locos.


(Sudhir Ranjan)
EDSE/RDSO/LKO