GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

No. 2004/Elect(G)/180/11 Pt.11(NT)/Vol-I

New Delhi, Dt: 12.08.2024

Principal Chief Electrical Engineers
All Zonal Railways & PUs

Sub: Minutes of Video Conference held on 12.07.2024 for Time Bound Action Plan to achieve targets of General Services Items in FY 2024-25.

Approved minutes of the meeting(VC) held on 12.07.2024 with ZRs and PUs for discussion on items of Electrical General Services are enclosed herewith as **Annexure'A'** for information and necessary action please.

DA-as **Annexure'A'**

12-08-24

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Annexure 'A'

Minutes of the meeting through video conference for discussion on items of Electrical General Services on 12.07.2024 (at 11:00 Hrs)

Present Officers:

Participants		
Railway Board	Zonal Railways & PUs	USAID
Gajendra Kumar, ED/EEM Nisha Manohar Patil , DEE/PS	HODs of Electrical General Services	Shri Ramayan Singh

CEGE/NFR (coordinating Railway for this meeting) and ED (EEM) welcomed all the participants present in the VC.

The following points were discussed:

1. Rooftop Solar Plant CUF analysis by USAID: Following observations made by USAID based on the data given by the Zonal Railways

CUF analysis Jan' 2024- June' 2024

i. 40% of ZRs/PUs surpassed the target CUF of 15%. Four numbers of zones demonstrated CUF above 16%. CR is the top performer followed by RWF, WCR & RCF.
ii. 25% of ZRs/PUs demonstrated CUF in the range of 13 to 14.99.
iii. Zonal Railways were advised to improve solar generation and make efforts to increase and sustain CUF value above I5%.
iv. Average CUF achieved during June'24 is 14.12 %, which was 14.09 during June'23.
v. It is reported by Zonal Railways that the plants installed by M/S Azure Power are having lower solar generation and are dissatisfied with the maintenance provided by Azure.
vi. Zonal Railways were advised ensure availability of Remote monitoring system (RTS) with the solar plants for remote monitoring and to monitor the daily generation through RTS.

2. Status of Investment Grade Energy Audit (IGEA) in ZRs/PUs:

i. For IGEA 2023-24, 1291 Buildings of IR with connected load more than 30 kW have been identified. IGEA done on 766 nos buildings, work in progress for 353 nos. buildings, NIT floated /under TC/tender yet to be opened for 72 nos buildings, whereas NIT is yet to be floated for 100 nos buildings.
ii. Railways have been advised to get the IGEA done on priority for the buildings identified during the last FY 2023-24. ER, ECR, NER and SECR were lagging behind in IGEA, accordingly, they need to expedite.
iii. All Zonal Railways were requested to thoroughly review the IGEA reports and recommendations made by the Auditor to be implemented at the earliest.
iv. For IGEA 2024-25, Zonal railways were advised to review & identify the buildings and accordingly tenders to be invited.
v. Zonal Railways mentioned that in some of the cases recommendations in IGEA are similar/repetitive. In this context, ZRs/PUs may decide regarding the requirement of separate IGEA after detailed review and due diligence in similar type of buildings,

however implementation of IGEA recommendations to be taken up on priority for these buildings.

3. Status of implementation of IR-NIYANTRAC in ZRs/PUs:

i. ZRs/PUs have proposed estimates for ₹303.615 crore for IR-NIYANTRAC.
ii. ECR, SER, SWR, MCF, PLW, BLW, RWF, CLW to expedite the NIT invitation for the work, as progress is not satisfactory.
iii. It is discussed that a meeting shall be organized shortly in coordination with CRIS for discussion on sending the data of the Zonal Railways to the CRIS server.

4. Provision of Automatic Power Factor Controllers (APFCs):

As per the information provided by the Railways, total existing APFCs are 1920 and defective APFCs are 80. There are 691 sites where APFCs are required to be installed and 459 new APFCs have been planned this year. Railways to ensure that defective APFCs to be made in working condition and new APFCs may be provided as per the targets given by the ZRs. APFCs should be installed where penalties are being imposed.

5. No. of Stations to be covered with Solar Plants (Budget Target):

Being a budget announcement item, Railways were advised to plan and complete work as per target given for the year 2023-24. Few Zonal Railway could not achieve the target till March'24. The leftover target was extended till 30.06.2024 but ECR, ECoR, NR, NER, SR, SER, SECR & SWR have been failed to achieve the target. Accordingly, these railways were advised to expedite the work.

6. Provision of Lifts and Escalators at Stations:

All railways were advised to plan and complete work as per target given for the year 2024-25.

7. Provision of Rooftop Solar Capacity (MWp):

Being a item monitoring at highest level, all Zonal Railways/PUs were advised to expedite the processing of work e.g. estimation, tendering etc. so that after sanctioning of Umbrella, LOA can be issued immediately.

8. Electrical Safety Audit in LV installations:

- It was observed that Railways/PUs are not conducting the safety audit in right earnest as per the instructions issued from the Board. The observations of the Railways are more related to General inspection.
- All ZRs & PUs were again advised to review safety audit conducted and ensuring that the audits are conducted in-line with the instructions issued from Board.
- All ZRs have been advised to submit the Monsoon preparedness safety drive after completion of the drive positively.

The meeting ended with Vote of Thanks.