



भारत सरकार Government of India  
रेल मंत्रालय Ministry of Railways  
रेलवे बोर्ड (Railway Board)



No. 2000/Elect (TRS)/441/11

Dated: 20.02.2025

**General Manager**

All Zonal Railways  
CLW, BLW

**Chief Electrical Engineer,**

Patiala Locomotive Works, Patiala

**Sub: Competition of loco cab up-gradation on electric locomotives.**

In order to explore provisions for better comfort, experience to the crew including good aesthetics and crew friendly features, it has been decided to conduct a contest of cab improvement on electric locomotives. Each Zonal Railway and Production Unit is advised to offer one electric loco (either conventional or 3 phase loco) with both cabs up-graded.

The criteria in terms of marks distribution for adjudging the winner is enclosed as Annexure.

The expenditure on up-gradation of the cabs should not exceed ₹40 lakh per loco. A penalty of 10 marks would, otherwise be, imposed if the expenditure limit is found exceeded.

Zonal Railways and PUs are advised to take necessary action in accordance and get one electric locomotive ( three phase / conventional ) ready for the competition by May 2025. The final date and venue for the competition shall be advised in due course.

*This issues with the approval of AM Tr.*

**DA:** As above

(विकाश आनंद)

निदेशक विद्युत अभियांत्रिकी (चल स्टॉक)

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**Copy to :** PCEEs, All Zonal Railways : for information and necessary action

## Annexure

SN	Feature/Parameter	Marks
1	Overall Ambience (incl. Painting/Panelling)	10
2	Water-less Urinal	10
3	Noise Isolation Improvement	10
4	Air Conditioning-Air flow and Thermal insulation Improvement (test to assess cooling capability/effectiveness of AC in cab to be conducted)	10
5	Seat Improvement	10
6	Floor Improvement	10
7	Provision for keeping Bags and Belongings of Crew	10
8	Call Out Detection (Speech recognition of calling out of signals to determine alertness of LP)	10
9	Innovations: a. Look Back facilitation for Gate/Working gang b. Upcoming Caution Alert System c. Better-lookout glass cleaning Mechanism d. Single Key (one) operation for taking charge/changing cab e. Desk modification to facilitate reach of all required while belong on seat f. sun visor improvement g. Any other innovation	20
	<b>Total</b>	100