

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

No.2024/CEDO/SR/17/MRK/AC-08 COACH-80kmph

New Delhi, dated 21.11.2024

**The Director General**  
**Research Designs & Standards**  
**Organisation, Manak Nagar,**  
**Lucknow-226011**

**The General Manager,**  
**All Indian Railways**

**General Manager,**  
**Metro Railway,**  
**Kolkata**

**Sub:** Introduction of 8-coach rake for air-conditioned Kolkata Metro coaches with 3-phase propulsion system to Layout Drg No. MRM/DTC-9-0-001, MRM/MC-9-0-001 & MRM/TC-9-0-001 and Unique Transportation Code KM/DTC/ACICF1, KM/MC/ACICF1 & KM/TC/ACICF1 for Driving Trailer Car (DTC), Motor Car(MC) & Trailer Car (TC) respectively provided by M/s Medha Servo Drives, up to a maximum speed of 80 kmph over sections Kavi Subhash Buffer End (Ch. 0838 km) – Hemanta Mukhopadhyay (Ch. 6.931 km) Up & Dn line (Jt. Line No. 1 and Jt. Line No. 2) of Orange Line and Joka Buffer end (Ch.(-) 0.493 km) – Taratala Buffer end (Ch. 7.234 km) (Jt. Line No. 1 and Jt. Line No. 2) of Purple Line on Kolkata Metro Railway

Ref: (i) CCRS office letter no. Q.12010/01/NFC/18-19-T.W, dated 13.06.2024

(ii) RDSO's letter no. MC/Kolkata Metro/3-Phase Medha Electrics, dated 16.02.2024

(iii) RDSO's Interim Speed Certificate (ISC) no. MC/Kolkata Metro/3-Phase Medha Electrics, dated 16.02.2024

With reference to RDSO above application, sent through Chief Commissioner of Railway Safety, Lucknow; sanction of the Ministry of Railways, Railway Board is hereby communicated for introduction of 8-coach rake for air-conditioned Kolkata Metro coaches with 3-phase propulsion system to Layout Drg No. MRM/DTC-9-0-001, MRM/MC-9-0-001 & MRM/TC-9-0-001 and Unique Transportation Code KM/DTC/ACICF1, KM/MC/ACICF1 & KM/TC/ACICF1 for Driving Trailer Car (DTC), Motor Car(MC) & Trailer Car (TC) respectively provided by M/s Medha Servo Drives, up to a maximum speed of 80 kmph over sections Kavi Subhash Buffer End (Ch. 0838 km) – Hemanta Mukhopadhyay (Ch. 6.931 km) Up & Dn line (Jt. Line No. 1 and Jt. Line No. 2) of Orange Line and Joka Buffer end (Ch.(-) 0.493 km) – Taratala Buffer end (Ch. 7.234 km) (Jt. Line No. 1 and Jt. Line No. 2) of Purple Line on Kolkata Metro Railway with the following stipulations :

- i. Observance of all conditions laid down in RDSO's Interim Speed Certificate (ISC) no. MC/Kolkata Metro/3-Phase Medha Electrics, dated 16.02.2024 for operation up to a maximum speed of 80 kmph on Kolkata Metro Railway, shall be ensured on the Railway while seeking the sanction of General Manager for introduction of rolling stock on the Railway. All the documents required for the sanction of General Manager as per CE(G) Directorate/Railway Board Policy Circular No. 6, dated 01.05.2023, along with sanction

  
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letter, shall be submitted to the Commission before the start of actual operation of rolling stock, as per extant procedure

- ii. Observance of all the permanent and temporary speed restrictions already in force and/or those that may be imposed from time to time on various accounts.
- iii. Kolkata Metro shall ensure non-availability of traction (Provision of traction cut-off) if more than 50% of the bogies in train formation are in isolated condition. It shall also be ensured that indication/alarm in this regard is also available to driver.
- iv. Kolkata Metro shall ensure proper maintenance of rolling stock, propulsion equipment, control systems, Signalling and Interlocking, Track, Traction System and Structures as per schedules prescribed in the Maintenance Manual.
- v. Before initiating train operations, Kolkata Metro shall certify track fitness and safety of the rolling stock depending upon the actual condition of the bogie suspension system, brake system, wheel, axle and other safety related components.
- vi. Kolkata Metro shall take all precautions regarding electrical clearances and other parameters, as required for ensuring safety of personnel, and for protection of power supply system at the time of train operations.
- vii. No overdue/expired fire extinguisher shall be permitted in service
- viii. Radio communication facility shall be provided between the train operator and OCC/station throughout the section to enable the driver to contact OCC/station in case of emergency.
- ix. Adequate training shall be imparted to the maintenance staff responsible for maintaining the rolling stock, signalling and interlocking and track etc.
- x. All train operators and station/section controllers shall be given sufficient training and shall be in possession of valid competency certificates issued by designated officer.
- xi. Kolkata Metro shall ensure that a procedure for safe movement of rolling stock in Depots and other such areas is also in place.

  
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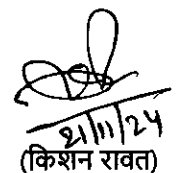
निदेशक सिविल इंजीनियरिंग(जी)/रेलवे बोर्ड  
[Rly No. 030-47598, MTNL No.-011-23047598]  
e-mail address :dceg@rb.railnet.gov.in

**No.2024/CEDO/SR/17/MRK/AC-08 COACH-80kmph**

New Delhi, dated 21.11.2024

Copy forwarded for information to :

1. The Chief Commissioner of Railway Safety, 3<sup>rd</sup> Floor, Traffic Account Building, Sate Entry Road, New Delhi-110055, w.r.t. his endorsement No. Q.12010/01/NFC/18-19-T.W, dated 13.06.2024
2. The Commissioner of Railway Safety, All Circles
3. Executive Director (Standards)Motive Power, RDSO, Lucknow
4. Executive Director (Standards) Track-I, RDSO, Lucknow
5. OSD/EE(G), Railway Board

  
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निदेशक सिविल इंजी.(जी)/रेलवे बोर्ड