GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

2025/Proj./MPMRCL/BMRP/RS/29/18

New Delhi, dated 09.10.2025

Managing Director,
Madhya Pradesh Metro Rail Corporation Limited (MPMRCL),
2nd Floor, Zone-14, Bhopal Municipal Corporation,
Smart City Building, BHEL, Govindpura,
Near Natraj Petrol Pump, Bhopal-462023,
Madhya Pradesh

Sub: Sanction for operation of Standard Gauge (SG) Rolling Stock manufactured and supplied by M/s Alstom Transport India Limited with air suspension arrangement at secondary stage for operation up to maximum speed of 80 kmph over priority corridor from Subhash Nagar buffer end to AIIMS buffer end (having Chainage UP line Ch. 26967.816 to 20025.000 and Down line Ch. 20025.000 to 26965.582) without Signalling system of Bhopal Metro Rail Project of Madhya Pradesh Metro Rail Corporation Ltd

Ref: (i) CCRS, New Delhi's letter No. Q12011/05/2025-26 त. वि dated 01.10.2025
(ii) CMRS/New Delhi's letter no. R/13/12/MPMRCL/CMRS/2019/696 dated 30.09.2025
(iii) RDSO's Interim Speed Certificate no. UTHS/MPMRCL/BMRC/P01/112020 dtd. 08.08.2025

In reference to the letters cited above, provisional sanction of Ministry of Railways is hereby communicated for operation of Standard Gauge (SG) Rolling Stock manufactured and supplied by M/s Alstom Transport India Limited with air suspension arrangement at secondary stage for operation up to maximum speed of 80 [EIGHTY] Kmph in inflated mode and 54 [FIFTY FOUR] kmph in deflated mode over priority corridor from Subhash Nagar buffer end to AIIMS buffer end (having Chainage UP line Ch. 26967.816 to 20025.000 and Down line Ch. 20025.000 to 26965.582) without Signalling system of Bhopal Metro Rail Project of Madhya Pradesh Metro Rail Corporation Ltd.

The sanction is further subject to the compliance of following conditions/stipulations before commencement of train operation:

1. Observance of all conditions laid down in RDSO's Interim Speed Certificate (ref. iii above), various System approvals obtained from MoR, M/s MPMRCL's Joint Safety Certificate, and concomitant Track and Bridge certificates.

2. Signalling system as approved by Railway Board, along with its interface with the proposed Rolling stock shall be provided and certified by ISA as well as the executing authorities and their remarks in this regard shall be submitted with the opening documents. However it is noted that in the proposed section the signalling system as approved by Railway Board has not been provided. Therefore, the Maximum train speed shall be limited to 40 kmph on DN line and further subject to observance of various temporary and permanent speed restrictions imposed from time to time, whichever is lower.

3. The maximum speed of Rolling Stock speed at 40 kmph shall be controlled through TCMS. All the necessary software modifications shall be done to prevent movement of Rolling stock beyond 40kmph.

4. The Train Operation shall be carried out on the DN Line only. At a time, only one train shall run on the AIIMS to Subhash Nagar Down line section. The Point No. PT 0805P, PT 0803P, PT 0601P, PT 0501P, PT 0103P, and PT 0101P on the DN mainline shall be clamped, padlocked and through bolted, in the normal direction of traffic. Further the movement of Rolling stock on this point over mainline should be permitted as per Special Instruction -01 (Rev-00).

5. PSD is not commissioned on each stations and therefore a speed restriction of 20 kmph shall be imposed at Platform entry/exit on each stations.

6. Special Instruction-01 (Rev-00) approved by CMRS shall be strictly followed for train operation in the proposed section.

Contd...2/-

7. Non Platform side doors of Rolling Stock shall be permanently disabled through system and also wires shall be removed through panel to avoid opening of wrong side doors.

8. Preliminary assessment report was issued to M/s MPMRCL vide CMRS letter no R/13/12/MPMRCL/CMRS/2019/680 dated 12.09.2025. M/s MPMRCL vide letter no 2221 dated 14.09.2025 has submitted the compliance of Preliminary assessment report. As per submitted compliance report, several observations are yet to be complied. The compliance of these observations shall be ensured as per the given completion date in the above letter. Some Major observations are given below.

    a. Project specific SIL certifications for Brake and FSD system have not been submitted.

    b. EMC/EMI validation report for power supply installation has not been submitted.

    c. Depot facilities related work such as Pit wheel lathe commissioning, Installation & Testing of Mobile jack, SCADA system, ETS installation, Access Control in third rail area, gap between roof access platform and train roof are required to be provided before train operation.

    d. The outer boundary wall around the depot periphery shall be completed.

    e. Third Rail areas at various locations is not secured with hard barricades and possess safety hazard. This shall be completed to prevent unauthorised entry during power on conditions.

    f. The hill side area of depot has been found open. This shall be provided with suitable drainage to avoid flooding of tracks inside depots.

9. EIG Sanction shall be obtained for all the future Rolling Stock.

10. M/s MPMRCL shall ensure that all cables used in the Rolling Stock are compliant to the latest EN45545 standard. Fire survival cables shall be used in the passenger alarm system, PA lines, Emergency Brake loop and Critical Control Systems. All other cables shall be fire resistant with improved fire performance and high resistance to temperature.

11. M/s MPMRCL shall take all precautions regarding electrical clearances and other parameters, as required for ensuring safety of personnel and for protection of power system at the time of train operations.

12. It shall be ensured by M/s MPMRCL to get their maintenance manuals approved by a committee complying the instructions issued by the Ministry of Housing and Urban Affairs vide letter no. K-14011/106/2011-MRTS/Coord. dated 27.12.2012.

13. During Rolling Stock maintenance, it shall be ensured that the height of equipment having minimum ground clearance on metro coaches does not infringe minimum dimensions mentioned in clause 3.1.4 and 3.1.5 of Chapter-III of approved SOD for SG network of Bhopal & Indore Metro.

14. As per para 5 of 'PREAMBLE' of the SOD approved by Railway Board, the Kinematic Envelopes indicated in the SOD shall not be violated under any circumstances.

15. M/s MPMRCL shall ensure proper maintenance of assets viz. Rolling Stock, Telecommunication, Track, Traction System and Civil Structures as per maintenance schedules prescribed in the maintenance manuals. Adequate training shall be imparted to the maintenance staff responsible for maintaining the above assets.

16. Before initiating train operations, M/s MPMRCL shall certify track fitness and safety of the Rolling Stock depending on the actual condition of the bogie suspension system, brakes system, wheel, axle and other safety related components.

17. To ensure the effective functioning of safety equipment during service, various mock drills such as Train rescue, train-train evacuation, Train-train coupling etc shall be carried out on a regular basis. Designated place at station for emergency services such as ambulance, fire fighting vehicles etc. shall be ensured. Updated contact details along with distance of all the nearest Emergency Services and Hospitals shall be displayed in DCC and technical rooms provided in depot.

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18. SOP for obtaining the power block in the depot shall be displayed in DCC and PPIO and assurance should be taken from the staff. Further, it shall be ensured that only the authorized persons access the Roof Access Platform. A suitable interlocking mechanism shall be in place to ensure that all the persons have vacated the roof access platform prior to cancellation of Power Block.

19. The SOPs for the withdrawal scenarios envisaged by M/s MPMRCL shall be prepared and Traffic Controllers, Station Controllers, Train Operators, etc. shall be trained for the applicable SOPs.

20. Adequate securing of undergear mounting equipment shall be ensured to avoid any unsafe incident during run of train on the line.

21. Availability of rotating spares such as motor coach and Trailer coach bogies, wheel sets, various modules of converter/inverter, CCD, etc as recommended by OEM (M/s Alstom) shall be ensured.

22. Brakes of the Rolling Stock shall be in good working order during the commercial operations and during other self-powered movements anywhere.

23. All Train Operators, Station Controllers and other O&M staff shall be given sufficient training and shall be in possession of valid competency certificates issued by the designated officer.

24. M/s MPMRCL shall ensure that a procedure for safe movement of Rolling Stock in depots and other such areas is also in place.

25. As per clause 10.1 of the RDSO, Lucknow, Interim Speed Certificate No. UTHS/MPMRCL/BMRC/P01/112020 dated 08.08.2025, for issue of final speed certificate, repeat oscillation trials with worn out wheels and rails are required to be conducted. Copy of the report of repeat oscillation trials with worn out wheels and rails shall be made available to CMRS.

26. RDSO, Lucknow, vide clause 4.2 of the Interim Speed Certificate No. UTHS/MPMRCL/BMRC/P01/112020 dated 08.08.2025 has recommended operation of Rolling Stock up to the maximum speed of 80kmph in inflated condition and 54kmph in deflated condition of secondary air spring subject to strict adherence of certain stipulations and conditions. Further, these speed limits are applicable for all subsequently added sections subject to strict adherence to the provisions of para 2 of Criteria for Oscillation Trials of Metro Rolling Stock (Rev. 03, May 2022 or latest version) issued by RDSO.

9.10.25

(F. A. Ahmad)
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2025/Proj./MPMRCL/BMRP/RS/29/18 New Delhi, dated 09.10.2025

Copy forward for information to:

1. **Chief Commissioner of Railway Safety(CCRS)**, 3rd Floor, Traffic Account Building, State Entry Road, New Delhi-110055
2. **Commissioner of Metro Railway Safety (CMRS)**, Dhaula Kuan, Metro Station New Delhi -110021
3. **Director General**, RDSO, Manak Nagar, Lucknow- 226011
4. **OSD/UT & Ex-Officio Joint Secretary**, Ministry of Housing & Urban Affairs (MoHUA), Nirman Bhavan, New Delhi-110011