

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)**

2025/Proj./DMRC/RS/SG-3200MM/PH.III/29/13

New Delhi, dated 16.05.2025

Managing Director,
Delhi Metro Rail Corporation Ltd (DMRC),
Metro Bhawan Bara Khambha Road,
New Delhi-110001

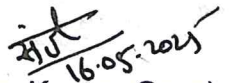
Sub: Approval for operation of 8-wheeler, Catenary Maintenance Vehicle (SG, 3200 mm) manufactured and supplied by M/s BEML, Bangalore at a maximum permissible speed of 60 kmph over the Phase-III Standard Gauge Network of DMRC

Ref: (i) CCRS, New Delhi's letter No. Q/12011/22/2024-25 त. वि. दिनांक 25.02.2025
(ii) Commissioner of Metro Railway Safety (CMRS), New Delhi's letter संख्या: आर/13/12/डीएमआरसी/सीएमआरएस/2019/467 दिनांक 19.02.2025
(iii) DMRC's letter No. DMRC/Elect/TR/T31-B/2101 dated 24.12.2024
(iv) RDSO's Provisional Speed Certificate No. UTHS/DMRC/P01/072021 dated 01.02.2023

In reference to the letters cited above, provisional sanction of Ministry of Railways is hereby communicated for approval of operation of 8-wheeler, Catenary Maintenance Vehicle (SG, 3200 mm) manufactured and supplied by M/s BEML, Bangalore at a maximum permissible speed of 60 kmph over the Phase-III Standard Gauge Network of DMRC subject to the following conditions/stipulations:

1. Compliance of all the conditions/stipulations as mentioned in Annexure of CCRS, New Delhi's letter dated 25.02.2025 (Copy enclosed) and Speed Certificate issued by RDSO dtd. 01.02.2023.
2. Compliance of all Safety Procedure Orders for movement of CMV during non-Traffic hours and as allowed as per MRGR-2020.
3. The CMV (self propelled vehicle not fitted with ATP equipment) should be allowed as per applicable Clause 33, Sub clause 7 of Metro Railway General Rules-2020 in accordance with approved special instruction.
4. Provision of hand brake should be ensured.
5. Till Deadman Handle not provided in CMV, one trained assistant with CMV driver should be available during CMV operation.
6. Proper securing of Crane during movement of CMV

Encl: As above


(Dr. Sanjeev Kumar Garg)
Executive Director/Gati Shakti/U&RRT
Railway Board
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Email: skg.irse@gov.in

Copy forward for information to:

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



मुख्य रेल संरक्षा आयुक्त कार्यालय,
तीसरी मंजिल, टैफिक अकाउंट बिल्डिंग,
स्टेट एंट्री रोड, नई दिल्ली-110055.

भारत सरकार
नागर विमानन मंत्रालय
(रेल संरक्षा आयोग)
GOVERNMENT OF INDIA
MINISTRY OF CIVIL AVIATION
(COMMISSION OF RAILWAY SAFETY)



O/o Chief Commissioner of Railway Safety,
3rd Floor, Traffic Account Building,
State Entry Road, New Delhi-110055.

संख्या-Q/12011/22/2024-25-त.वि.

दिनांक : 25.02.2025

सेवा में,

सचिव (सिविल इंजी.)
रेल मंत्रालय (रेलवे बोर्ड)
रेल भवन
नई दिल्ली।

[ध्यानार्थ: ED(MTP)]

Sub: Introduction of operation of 8-wheeler, Catenary Maintenance Vehicle (SG, 3200 mm) manufactured and supplied by M/s BEML, Bangalore at a maximum permissible speed of 60 kmph over the Phase-III Standard Gauge network of DMRC.

Ref: (i) Commissioner of Metro Railway Safety (CMRS) Letter No. R/13/12/DMRC/CMRS/2019/467 dt. 20.02.2025
(ii) DMRC letter no. DMRC/Elect/TR/T31-B/2101 dated 24.12.2024
(iii) RDSO's Provisional Speed Certificate No. UTHS/DMRC/P01/072021 dated 01.02.2023

Vide Ref.(ii) DMRC has approached this office through CMRS [Ref. (i)] for sanction to use 8-wheeler, Catenary Maintenance Vehicle (SG, 3200 mm) manufactured and supplied by M/s BEML, Bangalore at a maximum permissible speed of 60 kmph over the Phase-III Standard Gauge network of DMRC on the basis of RDSO's Provisional Speed Certificate mentioned under Ref.(iii) above.

Case has been examined by this office and found to be in order for running of subject rolling stock. Accordingly, the same is recommended for the sanction of the Central Government for operation of subject rolling stock upto a maximum speed of **60 [SIXTY] kmph** over the Phase-III Standard Gauge network of DMRC subject to compliance of all the conditions/stipulations mentioned in **Annexure**.

This is issued with the approval of Chief Commissioner of Railway Safety.

संलग्नक: यथोक्त

25.02.25

(ओ० पी० यादव)

विशेष कार्याधिकारी (यांत्रिक)

प्रतिलिपि सूचनार्थ एवं आवश्यक कार्यवाही हेतु:

1. मेट्रो रेल संरक्षा आयुक्त को उनके पत्र संख्या- R/13/12/DMRC/CMRS/2019/467 dt. 20.02.2025 के संदर्भ में।
2. **DMRC** को उनके पत्र संख्या- DMRC/Elect/TR/T31-B/2101 dated 24.12.2024 के संदर्भ में।

[of CCRS Office's Letter No. Q.12011/22/2024-25-ए.पि., Dated 25.02.2025]

Conditions to be ensured by the DMRC for operation of 8-wheeler, Catenary Maintenance Vehicle (SG, 3200 mm) manufactured and supplied by M/s BEML, Bangalore at a maximum permissible speed of 60 kmph over the Phase-III Standard Gauge network of DMRC

- i. Observance of all conditions laid down in RDSO's Provisional Speed Certificate, M/s DMRC Joint Safety Certificate and concomitant Track and Bridge certificates.
- ii. Observance of all permanent and temporary speed restrictions already in force and/or those that may be imposed from time to time on various accounts.
- iii. Before initiating CMV operations, M/s DMRC shall certify track fitness and safety of the CMV depending upon the actual condition of the bogie suspension system, brake system, wheel, axle and other safety related components.
- iv. M/s DMRC shall ensure that all the cables used in the CMV are compliant to EN 45545:2013 standard. All cables shall be fire resistant with improved fire performance and high resistance to temperature.
- v. It shall be ensured by M/s DMRC 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 03.01.2013.
- vi. M/s DMRC 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 CMV operations.
- vii. Following observations shall be ensured by M/s DMRC:
 - a. The Tower Wagon/CMV operator shall have qualifications, knowledge and competency equivalent to a Train Operator.
 - b. Provision of Deadman Safety Device (DSD) shall be explored.
 - c. It was observed that the video footage in the CCTV monitor of phase-III CMV was not clear. Video quality of CCTV camera recording shall be improved. Further, the CCTV footage shall be preserved for a duration of at least 15 days.
 - d. Quality of Ingress Protection of the CCTV shall be ensured as water ingress in camera during rains may lead to grounding of electrical circuits.
 - e. CMV operation under Automatic Train Protection (ATP) mode shall be explored.
 - f. Procedure mentioned as per relevant DMRC Safety Circular shall be followed for CMV rescue, CMV movement in charged OHE and CMV movement with lifting platform.
 - g. Availability of adequate spares as recommended by OEM (M/s BEML) shall be ensured for different subsystems such as Transmission spares, Lifting & Swiveling platform, Rotary switches, etc.
 - h. Provision of Automatic Fire detection and suppression system shall be explored.
 - i. PSR boards shall be provided on Main Line & Depot.
- viii. As per Para-5 of 'PREAMBLE' of SoD approved by Railway Board, the Kinematic Envelope(s) indicated in the SOD shall not be violated under any circumstances.
- ix. M/s DMRC shall ensure proper maintenance of CMV. Adequate training shall be imparted to the maintenance staff responsible for CMV maintenance.
- x. Brakes of the CMV shall be in good working order during the operations and during other self-powered movements anywhere.
- xi. M/s DMRC shall ensure that a procedure for safe movement of CMV in depots and other such areas is also in place.

