

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

No. 2011/Proj./Mumbai Metro/30/6 (Coaches)

New Delhi, dated 18.11.2015

Managing Director,
Mumbai Metro One Pvt. Ltd.,
Mumbai Metro One Depot,
D. N. Nagar, J.P Road,
4 Bungalows, Andheri (W),
Mumbai-400053

Sub: Sanction for introduction of operation of Standard Gauge Mumbai Metro One Pvt. Ltd., (MMOPL) Coaches manufactured by M/s. CSR Nanjing Puzhen Rolling Stock Company Limited China (CSRN) with air suspension arrangement at secondary stage to CSRN's Drawing Nos. PMOFD09110010000 (V2.2) [for 'DT' Coaches] and PMOFD09110020000 (V2.2) [for 'M' Coaches) over Mumbai Standard Gauge (SG) system on VAG Corridor-Raising of speed.

Ref: (i) This office letter of even number dated 05.06.2014
(ii) RDSO's Interim Speed Certificate No.UTHS/56/MMOPL dated 01.04.2014
(iii) Ministry of Civil Aviation's letter No.Q.15014/01/14-15-T.W dated 31.08.2015

In supersession to letter under reference (i), provisional sanction of Ministry of Railways, Railway Board is hereby communicated for running of coaches manufactured by M/s. CSR Nanjing Puzhen Rolling Stock Company Limited China (CSRN) with air suspension arrangement at secondary stage to CSRN's Drawing Nos. PMOFD09110010000 (V2.2) [for 'DT' Coaches] and PMOFD09110020000 (V2.2) [for 'M' Coaches) over Mumbai Standard Gauge (SG) system on VAG Corridor at a maximum permissible operating speed of 80 (EIGHTY) kmph subject to terms & conditions as given in RDSO's Interim Speed certificates and amendments as the case may be and Joint Safety Certificate, Track Certificate and Bridge Certificate etc. accompanying the above under reference (iii).

Sanction is further subject to recommendations/suggestions made by Commissioner of Railway Safety and conveyed vide Ministry of Civil Aviation's letter number Q-15014/01/14-15-T.W dated 31.08.2015 and agreed to by the Board, as under:

(i) It shall be ensured by the Mumbai Metro One Pvt. Ltd. (MMOPL) to get all their Maintenance Manuals and Instructions related to Rolling Stock approved by RDSO (Ministry of Railways) and also to develop a mechanism to get their various maintenance practices audited periodically by RDSO.

(ii) Observance of all permanent and temporary speed restrictions enforced and/ or those that will be enforced from time to time.

Contd/-2...

(iii) Observance of all conditions laid down in RDSO's Interim Speed Certificate No. UTHS/56/MMOPL, dt.01.4.2014, Track Certificate No. MMOPL/App/2014/TC/168, dated 09.07.2015. Bridge Certificate No. MMOPL/App/2014/BC/168, dt. 09.07.2015. Joint Safety Certificate No. MMOPL/App/2014/JSC/168, dt. 09.07.2015 and OHE Certificate No. MMOPL/App/OHE/168, Dt 09.07.2015 .

(iv) Ensuring adequate road learning and training of Metro Pilots to run Metro at 80kmph and testing their knowledge by head of Rolling Stock & Operation.

(v) Adequate training of staff who will maintain the rolling stock, signalling and interlocking installations, OHE, Track and their knowledge is tested by concern heads of MMOPL.

(vi) CEO/MMOPL should ensure proper maintenance of rolling stock, propulsion equipment, control systems, signalling and interlocking, track, OHE and other structures.

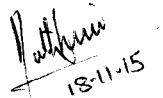
(vii) Smoke detectors should be provided in all coaches and driving cab, having provision of audio/video alarm in driver cab only. On detection of smoke by smoke detector, the driver shall alert the next station/control and take the train to the next station for evacuation of passengers.

(viii) There should be a provision of two fire extinguishers in each coach and cab.

(ix) Emergency evacuation system provided in train set is inadequate. Evacuation time of 30 minutes should be reduced on programmed basis.

(x) MOU should be drawn with local bodies to ensure that in case of emergencies like fire in Metro Accident of Metro, emergency services like fire brigade, ambulance and other services reach on accident spot in least possible time.

(xi) Installing Voice Recorder and Camera in driving cab to keep watch on performance of Metro Pilots during run.


18-11-15

(Ruth Changsan)
Dir. /Works (Plg.)
Railway Board
Ph. 011-23097061

No. 2011/Proj./Mumbai Metro/30/6 (Coaches)

New Delhi dated 18.11.2015

Copy forwarded for information to:

- (i) The Chief Commissioner of Railway Safety, Ashok Marg, Lucknow-226001 w.r.t his letter number Q.15014/01/14-15-T.W dated 31.08.2015
- (ii) Director General, RDSO, Manak Nagar, Lucknow.