GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

2017/Proj./Nagpur Metro/CBTC/30/2 New Delhi, dated 23.08.2017

Managing Director,
Maharashtra Metro Rail Corporation Limited,
(Maha-Metro) Metro House, 28/2,
C.K Naidu Marg, Anand Nagar, Civil Lines,
Nagpur, Maharashtra -440001

Sub: Approval of Signalling System without CBTC & ATP for initial stage train operation in priority section between Khapri to Airport station of Nagpur Metro project.

Maharashtra Metro Rail Corporation Limited (MAHA-Metro), Nagpur's request for approval of Signalling System without CBTC & ATP for initial stage train operation in priority section between Khapri to Airport station of Nagpur Metro project without CBTC & ATP has been examined in Board's office in consultation with RDSO and approval of Ministry of Railways is hereby conveyed with following stipulations before opening the line for passenger operation/revenue service:

1. It must be ensured by NMRCL that the complete signalling system based on CBI with axle counter without CBTC and ATP are commissioned before start of operation.

2. Before opening of the line for passenger operation /revenue service, complete assessment report and certification by ISA for signalling including all subsystem as provided by NMRCL for initial operation of priority section without CBTC & ATP shall be submitted to RDSO.

3. The final system hazard analysis of initial operation of priority section and acceptance of its mitigation by MRA shall be submitted to RDSO as well as to CRS, and any hazards which require manual intervention/special instruction shall be suitably framed, incorporated and implemented by Metro authorities.

4. Special instructions as per para 29 chapter IX and para 87 of XII of Metro Railway General rule 2013 for the train working for initial stage of priority section shall be finalized and CMRS sanction shall be obtained before start of operation.

5. EMC/EMI report for priority section related to rolling stock shall be submitted to RDSO before start of operation.

Contd..2/-

6. Earthing & bonding for the priority section shall be implemented and ensured by the NMRCL before start of operation.

7. The details of authorities responsible for maintenance of signaling system to the required level of safety during train operation shall be submitted to RDSO.

8. In order to maintain safety at any point of time, only one train shall be operated in the whole section.

9. It is presumed that in case of cut off of power supply to train, the braking system shall get automatically activated.

The above approval is conveyed subject to operation of only one train in the whole section (including UP and DN direction) at a maximum speed of 25 KMPH when commercial operation starts.

23.08.2017

(Ruth Changsan)
Director/Works (Plg.)
Railway Board
☎ 011-23097061

Copy to: Executive Director/UTHS, RDSO, Manak Nagar Lucknow w.r.t their letter No. UTHS/106/NMRCL/S&T dated 13.06.2017 for information please.