GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

No. 2K/Proj./DLI/30/3 Voll.II

New Delhi, dated 06 .05.2015

Delhi Metro Rail Corporation Ltd.,
Metro Bhavan, Fire Brigade Lane,
Barakhamba Road,
New Delhi-110001

Sub: Amendment in SOD of DMRC.

Ref : DMRC,s letter number DMRC/20/III-101/2011 to RDSO dated 09.03.2015, 18.03.2015 and 06.04.2015

The proposal for amendment in DMRC's SoD for BG (Underground) for provision of Platform Screen Doors has been examined in Board's office in consultation with RDSO and the approval of the competent authority is herby conveyed on the following:

(i) Inclusion of one new Chapter-V with one new sketch figure MCBG-4A pertaining to Platform Gates.

"Platform Gate (BG)

1.1 SETTING OUT DIMENSIONS:

1	Minimum Platform Gate Width (clear opening)	2400mm
2	Minimum Platform Gate Height from Top of Platform	1700mm
3	Minimum Horizontal distance from centre of Track to any height/location of platform gate e.g. at height of 2030 mm from Rail level, minimum horizontal distance shall be 1775mm +20mm=1795mm	Kinematic envelope +20mm

Note:

a) Assumed ± 500 mm stopping accuracy.
b) There is no superelevation and Gauge widening on the curved track at platforms. The additional clearance for Platforms on curves shall be as per Appendix –MCBG-5 (R) of SOD.
c) Platform Gates are considered as designated railway operational structures like platform. Therefore platform gates may infringe the structure gauge, but will not infringe the Kinematic envelope.
d) For configuration of Platform Gate on underground station, refer figure no. MC BG-4A."

Contd..2/-

(ii) Amendment to para 2.2.3 by modification and addition to the note as below:

" a) The structure on the platform is treated as isolated if its length along the platform length is 2000mm or less. Any structure having length exceeding 2000mm is treated as continuous structure.

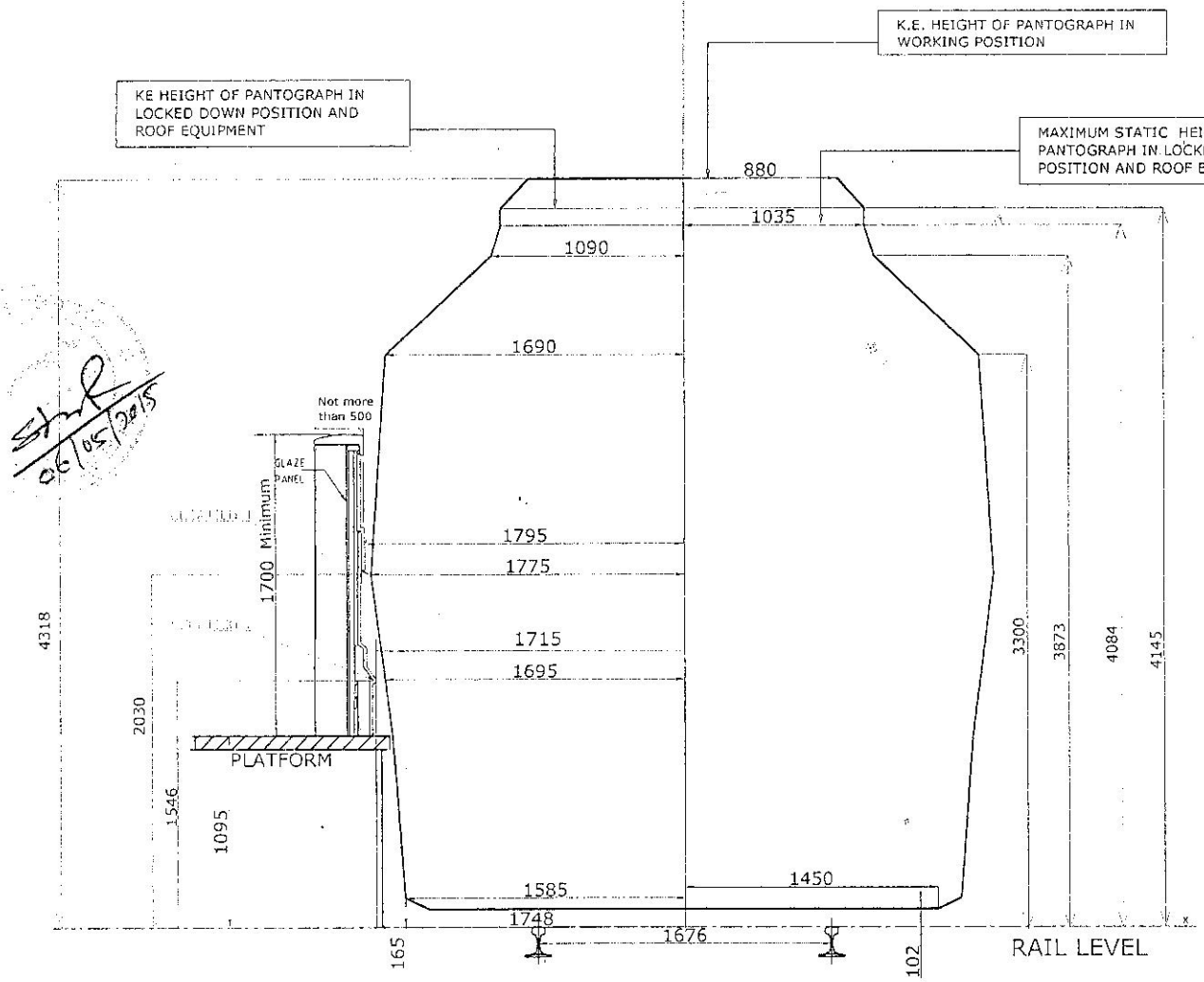
b) No fixed structures should infringe the Structure Gauge except for designated railway operational structure. Designated railway operational structures include platform edges and platform gates. Such designated operational structures shall under no circumstances infringe the applicable Kinematic Envelope."

Encl: One Sketch

06-05-15

(Ruth Changsan)
Director/Works (Plg.)
Railway Board
☎ 011-2309706

Copy to: ED/UTHS, RDSO, Manak Nagar, Lucknow with reference to letter No. UTHS/66/DMRC dated 09.03.2015 and 22.04.2015



NOTES:-

1. ALL DIMENSION ARE IN mm.

2. THE KINEMATIC ENVELOPE IS VALID FOR VEHICLES WITH SEALED WINDOWS AND DOORS CLOSED WHILE IN MOTION.

3. HORIZONTAL CLEARANCES DUE TO CURVES, INCLUDING CANT SHALL BE EXTRA AS PER PARA 1.6.

TABLE

CRITICAL OFFSET LOCATION	*LOCATION 1	**LOCATION 2
A. HEIGHT FROM RAIL LEVEL	2030 mm	1546 mm
B. KE VALUE AT THIS LOCATION	1775 mm	1695 mm
C. MINIMUM PLATFORM GATE PANEL OFFEST FROM TRACK CENTERLINE - STRAIGHT TRACK (UNDERGROUND)	1795 mm	1715 mm

(a) THESE VALUES ARE TYPICAL FOR PLATFORM GATE, AND MAY VARY FROM VENDOR TO VENDOR. HOWEVER NO PART OF PLATFORM GATE SHALL BE LESS THAN 20 MM FROM KE

(b) *LOCATION 1: WHERE KE IS MAXIMUM

(c) **LOCATION 2: WHERE PG PANEL IS CLOSEST TO CENTERLINE OF TRACK.

06/05/2015

25 kV A.C.TRACTION

PLATFORM GATE
UNDERGROUND (PLATFORM)
ON
LEVEL OR CONSTANT GRADE
TANGENT TRACK (70 KMPH)

DELHI METRO RAIL CORPORATION LTD

BROAD GAUGE
1676 mm

DATE: 20-02-2015

MCBG - 4A

SCALE: NOT TO SCALE