

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

2019/Proj./MEGA/C-1/30/01

New Delhi, dated 07.01.2019

Managing Director,

Metro Link Express for Gandhinagar and Ahmadabad,
(MEGA) Company Limited,
05th Floor, Nirman Bhawan,
Opp. Sachivalaya Gate No.4,
Sector-10-A, Gandhi Nagar
Gujarat -382010

Sub: Salient Features of Fastening System for Ahmedabad Metro Rail Project Phase-I.

Ref: MEGA's letter No. MEGA/CMRS/2018/01/003 dated 13.12.2018

The Annexure C-2 (Fastening System) for Ahmedabad Metro Rail Project Phase-I has been examined by RDSO and the salient features of the same is enclosed.

Encl: As above


07-01-2019
(Ruth Changsan)
Director/MTP
Railway Board
☎ 011-23097061

Copy to: (i) **Executive Director/UTHS**, RDSO, Manak Nagar, Lucknow w.r.t their letter No. UTHS/81/MEGA/Civil dated 17.12.2018.

(ii) **OSD/UT & Ex-Officio Joint Secretary**, Ministry of Housing & Urban Affairs (MoHUA), Nirman Bhavan, New Delhi-110001

Salient Features of Fastening System for Ahmedabad Metro Rail Project, Phase-I



Sl. No.	Components/items	Provisions in Metro
1.	Brief description of fastening system	Fastening System 336 designed manufactured and supplied by M/s. Vossloh Germany are being used.
2.	Axle load	16 T
3.	Speed potential	90 kmph
4.	Drawing and their numbers	Drawings are enclosed in Annexure - 4. (Assembly for 2 anchor bolt drawing No:2549a, Assembly for 4 Anchor bolt drawing No. 0.2424.d)
5.	Specifications and their number	Enclosed
6.	Any variation for straight and curve portion? If yes, give detail	Four numbers of Anchor bolts are used for curve of radius 500m and sharper. Remaining sections are with two anchor bolts.
7.	Vertical stiffness of complete fastening system	Complied.
8.	Service life of fastening system.	30 years
9.	Reference of Railway Board's approval for proposed fastening system.	MOR vide their letter no: 98/Proj/DLI/30/1(Vol III) dated 24-01-2013 has accorded approval for DMRC. MEGA proposes to use the same type of fastening System 336.

Examined & Found in order

Date

12-12-2018

Auth. Sign. : Director/Civil UTHS/RDSO

