

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

2020/Proj./DMRC/FSBT/30/06

New Delhi, dated 14.12.2023

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

Sub: - Approval of "Pandrol Vanguard" Fastening System 19315 retrofitting on the Anchor Bolts replacing existing fastening system 336 to mitigate noise and vibrations caused by the rail wheel interaction on the ballastless track in the residential and desired locations of DMRC.

Ref: - (i) DMRC's letter no. DMRC/O&M/P.Way/Vanguard/2022 dated 08.12.2022 & 09.08.2023, addressed to RDSO
(ii) Board's letter of even number dated 30.09.2020.

Provisional approval of "Pandrol Vanguard" Fastening System 19315 retrofitting on the Anchor Bolts replacing existing fastening system 336 was issued to DMRC vide Board's letter dated 30.09.2020 (ref. ii above).

The issue has been further examined in Board's office in consultation with RDSO and approval of competent authority is hereby conveyed for the same to mitigate noise and vibrations caused by the rail wheel interaction on the ballastless track in the residential and desired locations for use in Delhi Metro only.


(F. A. Ahmad)

Director/Gati Shakti (Civil)-IV
Railway Board
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Copy to: (i) **Executive Director/UTHS**, RDSO, Manak Nagar, Lucknow w.r.t letters no. UTHS/66/DMRC/CIVIL dated 17.11.2023, 16.10.2023.

(ii) **OSD/UT & Ex-Officio Joint Secretary**, Ministry of Housing & Urban Affairs (MoHUA), Nirman Bhavan, New Delhi-110011