

S.No. 53

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

New Delhi, 18.4.2013.

No.2010/Proj/Bangalore/1/5-a

1. **Managing Director,**
Bangalore Metro Rail Corporation Ltd.,
3rd Floor, BMTC Complex,
Shanthinagar, Bangalore-560 027.
2. **Managing Director,**
Rapid Metrorail Gurgaon Ltd.
2nd Floor, Ambience Corporate Towers, Ambience Island,
NH 8, Gurgaon-122001


Sub: Provisional approval for 'Fastening System 336', with EPDM elastomeric Pad.

- Ref:-**
- (i) Board's letter No.2010/Proj./Bangalore/1/5 dated 28.07.2011.
 - (ii) BMRCL letter No.BMRCL/Dir.(P&P/2011-12/4527 dt. 03.10.2011.
 - (iii) BMRCL letter Nos .BMRCL/C-182/8172 dt. 28.02.13 and 09.03.13.
 - (iv) RMGL letter No.RMGL/MOF/SITE/2013/1649 dt. 18.03.2013.
 - (v) RMGL letter No. RMGL/RDSO/SITE/2012/1488 dt. 06.12.2012.
 - (vi) Board's letter No.98/Proj./DLI/30/1 (Vol.III) dt. 24.01.02013.

1. Provisional Approval for fastening system of BMRCL was accorded vide this office letter cited under reference. (i) for reach I of Phase-I as a special case. For the remaining reaches, BMRCL was advised to process for approval afresh in terms of provisions laid down in Railway Board letter No.2009/Proj./MAS/9/2 dated 21.05.2010 and 18.03.2011.
2. BMRCL vide letter under reference (ii) submitted proposal for approval of 'Fastening System 336' for all reaches other then Reach 1. BMRCL had relied upon the performance certificate of their fastening system based on its use in DMRC on BG track as contained in their proposal. This certificate was submitted by BMRCL in support of their claim that the proposed fastening system meets with the requirement of 'Performance Criterion' mentioned in Railway Board policy letter No.2009/Proj./MAS/9/2 dated 21.05.2010.
3. Subsequently it was learnt that the elastomeric pad used by BMRCL in 'fastening system 336' is different from the elastomeric pad used by DMRC in their 'fastening system 336'. In the polymer identification report of the elastomeric pads used in DMRC and BMRCL, submitted by BMRCL vide their letter under reference (iii), it is stated that the pad used in DMRC is PU based polymer while pad used in BMRCL is EPDM based polymer. The Fastening System used by BMRCL is thus, a *non compliant* fastening system in terms of provisions laid down by Railway Board mentioned in para 1 above.
4. BMRCL in their various correspondences to Rly. Board represented that the supply of fastenings for Phase-1 of BMRCL was taken prior to the issue of policy instructions dated 21.5.2010 and 18.3.2011 and accordingly it was requested by

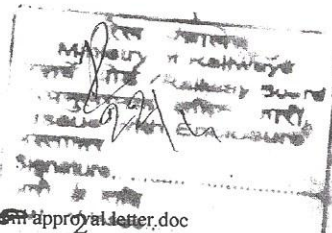
BMRCL to grant them the **approval** of 'Fastening System 336' with EPDM based elastomeric pad. As per the report submitted by BMRCL, vide reference (iii), EPDM based elastomeric pad has been found to meet with the parameters mentioned for such pads in the Performance Criterion.

5. **Rapid Metrorail Gurgaon Ltd. (RMGL)** has also represented vide letter under reference (v) for according them provisional approval of Fastening System 336 with EPDM pad. RMGL has further advised that they are using the same EPDM pads, which are being used by BMRCL. Details of the tests performed by RMGL on the elastomeric pad used in their system have been submitted vide reference (iv).
6. The matter has been considered by the competent authority and it has been decided to grant provisional approval for 'Fastening System 336 approved by this office letter under reference (vi) above with the EPDM based elastomeric pad also as a special case, subject to the following conditions:
 - (i) Fastening System 336 with EPDM elastomeric pad used on BMRCL and RMGL, is accorded provisional approval for a period of 2 years.
 - (ii) Performance of the system will be reviewed after every two years unless any Metro Railway reports some adverse results in between. Such bi-annual review will be done till the system clears proveness aspect as per the Performance Criterion issued by Ministry of Railways.
 - (iii) No other Metro system, except BMRCL and RMGL will use this system till such time proveness of the system is established with EPDM pad for specified period as per performance criterion issued by Ministry of Railways, on any Metro system.
 - (iv) BMRCL and RMGL are permitted to use EPDM pad for such future works only, for which the tenders have already been opened. This restriction will remain in force till performance is established as per para 6(iii) above.

s/c

(Mohit Lila)
Joint Director/Works Planning
011-23097061

Copy for information and necessary action to:

1. Secretary, Ministry of Urban Development, Nirman Bhawan, New Delhi.
2. Director General, RDSO Manak Nagar, Lucknow. This connects RDSO's letter referred at (ii) above.



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