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

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

New Delhi, date 25.11.2013
26.

Managing Director,
Bangalore Metro Rail Corporation Ltd.,
3rd Floor, BMTC Complex,
K.H Road, Shanthinagar,
Bangalore-560027.

Sub: Clearance of Technical Standard of Track Structure (C-I)

Ref: (i) BMRCL's Letter No. BMRCL/C-182/611 dated 13.09.2013

(ii) BMRCL's Letter No. BMRCL/C-182/1433 dated 26.10.2013

Bangalore Metro Rail Corporation Ltd vide their letter cited under reference (i) had sent request for approval of Annexure (C-1) of Procedure for Safety Certification and Technical Clearance for BMRCL.

The matter has been examined in Board's office in consultation with RDSO and the approval of Railway Board is hereby communicated for Annexure C-1 of Procedure for Safety Certification and Technical Clearance of Metro System, subject to the following stipulations:-

1. Rails

Para 5.0 is approved subject to compliance of IRS with respect to test for inclusion rating and test reports be submitted to CMRS along with application for opening.

2. Flash Butt Welding

Deviation of non approval of QAP and welding parameters for 880 grade rails to be used in depot and non running lines is approved provided that that such welds be protected with joggled fish plates if speed is more than 20 kmph.

3. SEJ (Para 11.0 at C-1)

Deviation of 120 mm design gap against prescribed value of 80 mm for SEJ is approved for use on depot and non running lines subject to compliance of RDSO drawing No 4149.

4. Length of Rails

Deviation of using 18 m long rails against IRS specified length of 13/26 m is approved provided the rails are welded into CWL/LWR.

5. Reduce weldable length adopted in turnouts.

Deviation of using reduced weldable length of rail of 1.1 m with 1 in 7 turnouts of 140 m lead curve radius against prescribed length of 1.2 m is approved wherever use of such turnout has been approved by Railway Board.

6. Use of PSC sleepers designed for less axle load.

Deviation of using sleepers designed for 15t axle load and 90 kmph to be used in depot/non running lines is approved subject to maximum permissible speed not exceeding 25 kmph for such sleepers.

8/c



(Mohit Lila)

Director/Works Planning
Railway Board
☎-011-23097061

Copy for information and necessary action to the following alongwith copy of Railway Board letter no. 2010/Proj/Bangalore/30/4 Vol II Pt dated 22.10.2013 in connection with provision of check rail for depot:

1. Executive Director, UTHS, RDSO, Manak Nagar, Lucknow. You are requested to send track structure document of BMRCL in 6 copies for issue.
2. Executive Director, Tk-I, RDSO, Manak Nagar, Lucknow

PTJSSC
26/11/13

