

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

No.2017/50/CE-III/BR/FOB

New Delhi Dt: 04.11.2019

**Principal Chief Engineers
Central Railway, Mumbai
Western Railway, Mumbai**

Sub: Stainless Steel for Structural Application.**Ref: (i) This office of even letter no. dated 09.07.2019.**

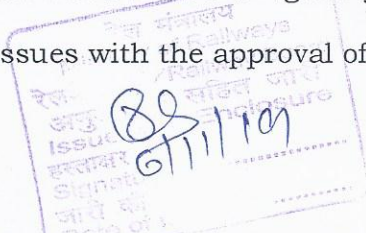
**(ii) ED/B&S/RDSO's letter no. CBS/Stainless Steel/FOB dt.
30.08.2019, 03.09.2019 & 22.10.2019.**

Vide this officer letter referred (i) above, use of stainless steel for construction of FOB was permitted in some of the Zonal Railways including CR & WR. Further, RDSO vide letters referred (ii) above, proposed that stainless steel for ROBs in corrosion prone area is useful and provide sufficient corrosion protection with lower maintenance. With a view to use of Modern Construction Techniques for longer life of structures, following have been decided:

- (a) Use of stainless steel will be carried out in CR & WR for ROBs.
- (b) Both the Railways will select one ROB of each design such as plate girder composite type with concrete deck on top, through girder type (truss type) and new design of multi cell box girder (pre-fabricated).
- (c) CBE of the Zonal Railways will decide the ROBs depending upon the corrosion proneness of the area and will ensure that stainless steel for ROBs are used at most corrosive part of concerned Zonal Railways.
- (d) Design of Stainless steel ROBs shall be done by the Zonal Railways through reputed consultants and got proof checked from IITs. RDSO will finally approve the design.
- (e) Fabrication & inspection of these girders (ROBs) shall be governed as per Railways Board letter no. 2016/54/CE-III/BR/RDSO/Misc, dated 15.07.2019.
- (f) RDSO will be actively associated in the above and will provide all assistance to Zonal Railways concerned with design (as in 'd' above).
- (g) The above may be executed, by the concerned Zonal Railways, out of the available sanctions (of works).

Zonal Railways are advised to take action at the earliest and monthly progress should be submitted to Board regularly.

This issues with the approval of Board(ME).



(Signature)
5/11/19
(O. N. Sharma)

**Director Civil Engineering/B&S
Railway Board
Email: dcebsrb@gmail.com**

Copy, for information and necessary action to:

1. CAO/Cs, CR & WR
2. CBEs, CR & WR
3. ED/B&S,RDSO, Lucknow

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