

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

No. 2015/CE-IV/ROB/78 Pt.

New Delhi dated: 15.01.2020

Principal Chief Engineer,
All Zonal Railways.

Chief Administrative Officer (Con.),
All Zonal Railways.

Sub: Design procedure for non standard spans in construction of ROB's on Indian Railway.

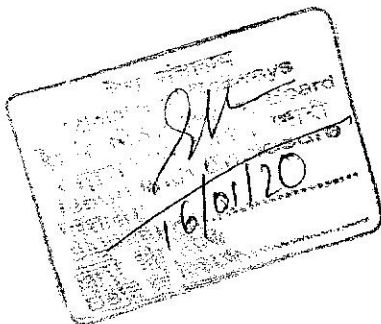
Ref: (i) Board's letters of even number dated 26.09.2017, 21.05.2018, 04.06.2018 & 04.06.2019.

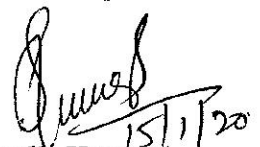
(ii) Board's letter No. 2016/54/CE-III/BR/RDSO/Misc. dated 15.07.2019.

In construction of ROB's, generally two types of girders are being used for super structure- composite steel plate girder & bow-string girder. RDSO has standardized design & drawing of possible combination of spans, so that, it can be directly used while deciding the span arrangement for ROB's. Since, past few years, it has been observed that Zonal Railways and other executing units are adopting other than standard spans in span arrangement of ROB's. It has also been observed that in general the deviation from standard is minor i.e., standard span arrangement can be adopted with minor adjustment only. It may be appreciated that adoption of non-standard span un-necessary increases the work load at each and every level.

To ensure use of standard span in construction of ROB's, a number of instructions have been issued from Board vide ref. (i) & (ii) above. However, following guideline is reiterated for strict implementations by Zonal Railway and other executing units:

- i. Only RDSO approved standard spans will be adopted.
- ii. In rare cases, where it is unavoidable to use non-standard spans, CBE of the Zonal Railway should record reasons as to why standard spans cannot be adopted and what corrective actions/initiatives are to be taken to reduce the population of non-standard spans in future. CBE will send the design and drawings for approval of RDSO, only after having been satisfied for the use of non-standard spans in the concerned case. The design is to be submitted to RDSO after having been proof checked from any of the IITs.




(Subodh Kumar)
Director CE/B&S-II

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