

not compacted or there is improper drainage, he may suitably restrict the maximum permissible speed depending upon the local conditions.

- 2.1.6 Besides USFD testing of rail as per USFD manual, testing of rail head for detection of gauge face corner defects shall be undertaken at the frequency specified for need based concept in USFD manual.

## 2.2 Bridges

- 2.2.1 The clearance refers to bridges with standard designs of girders, slabs, pipe culverts, piers and abutments etc. issued by RDSO for BGML, RBG and MBG-1987 standard loadings.

- 2.2.2 All other designs of superstructures and sub structures are to be examined under the direction of the Principle Chief Engineer concerned and certified safe by him in terms of current IRS Bridge Rules. Steel Bridge Code, Concrete Bridge Code, Arch Bridge Code, Bridge Substructures and Foundation Code etc. read with up-to-date correction slips.

- 2.2.3 In loaded condition the following restrictions are applicable:-

- (i) With single headed operation, track on bridges and approaches of BGML span 78.8 m(effective) shall be strengthened or modified in such a way so as to allow for dispersion of longitudinal force as per clause 2.8.3.2 of IRS Bridge Rules . IN cases where dispersion can not be allowed as per clause 2.8.3.2 such as due to provision of SEJ in bridges etc. the bridge superstructure including bearings and sub-structure shall be checked for longitudinal force without dispersion and certified safe by the Principal Chief Engineer concerned.
- (ii) With doubled headed operation, track on bridges and approaches of BGML span 63.0 m and 78.8m(both effective) shall be strengthened or modified in such a way so as to allow for dispersion of longitudinal force as per clause 2.8.3.2 of IRS Bridge RULES . IN cases where dispersion can not be allowed as per clause 2.8.3.2 such as due to provision of SEJ in bridges etc. the bridge superstructure including bearings and sub-structure shall be checked for longitudinal force without dispersion and certified safe by the Principal Chief.

- 2.2.4 Other specific restrictions are applicable which are indicated in relevant Speed Certificates of hauling single/multiple loco-motives issued by RDSO.