

1.2 BOBRNHSM1 wagon with axle load of 22.32 t has been permitted to run up to a maximum speed of 65 kmph when empty and 60 kmph when loaded vide speed certificate no. MW/BOBRN dated 07.04.2008.

2.0 Based on the above, the BOBRNALHSM1 wagon with axle load of 21.82 t on the routes mentioned in Railway Board's letter no. 2004/CE-II/TS/2/Vol.I dated 02.02.2006 & 15.02.2006, and other such routes which may be permitted by Railway Board in future, may provisionally be permitted to run upto a maximum speed of 65 kmph when empty and 60 kmph when loaded. Following additional conditions in addition to those specified in sped certificate mentioned in para 1.2 above shall also apply.

2.1 **Track**

2.1.1(a) **Maximum permissible speed upto 60 kmph**

The track shall be to a minimum standard of 52 kg rail (72UTS) on sleeper with M+7 density and minimum depth of ballast cushion below sleeper of 250 mm, which may consist of at least 100 mm clean and the rest in caked up condition on compact and stable formation.

(b) **Maximum permissible speed upto 30 kmph**

The track shall be to a minimum standard of 90R rail on sleeper with M+4 density and minimum depth of ballast cushion below sleepers of 200 mm, which may consist of at least 75 mm clean and the rest in caked up condition on compact and stable formation.

2.1.2 Wherever condition warrant on account of corrosion on rail/weld collar, wear of rail, cupping in the welds necessary precautions should be taken for fish plating/joggle fish plating of the rail/weld.

2.1.3 Zonal Railways may impose such further restrictions of speed as deemed fit, based on the age and condition of track and the extent of rail fractures/weld failures/defect generation rate occurring in the sections.

2.1.4 **In Empty condition** -The track shall be to a minimum standard of 90R rail on sleeper with M+4 density and minimum depth of ballast cushion below sleeper of 200 mm, which may consist of at least 75 mm clean and the rest in caked up condition on compact and stable formation- **Maximum permissible speed upto 65 kmph**

2.1.5 The maximum permissible speed on curves to be decided on the basis of the existing provision of Indian Railway Permanent Way Manual reprint – 2004.

2.1.6 For track maintained to lower standard than that mentioned above, the Chief Engineer shall decide the lower maximum permissible speed on the basis of