

**GOVERNMENT OF INDIA
RAILWAYS
LOK SABHA**

STARRED QUESTION NO:118

ANSWERED ON:26.11.2009

USE OF STAINLESS STEEL IN MANUFACTURING OF RAIL COACHES

Panda Shri Baijayant

Will the Minister of RAILWAYS be pleased to state:

- (a) whether the Railways propose to switch over to stainless steel in manufacturing of rail coaches and other rolling stock which reduces the weight and increases the carrying capacity;
- (b) if so, the details thereof;
- (c) whether the Railways also propose to adopt other technologies in this regard; and
- (d) if so, the details thereof?

Answer

MINISTER OF RAILWAYS (KUMARI MAMATA BANERJEE)

(a) to (d) : A Statement is laid on the Table of the Sabha.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) OF STARRED QUESTION NO. 118 BY SHRI BAIJAYANT JAY PANDA TO BE ANSWERED IN LOK SABHA ON 26.11.2009 REGARDING USE OF STAINLESS STEEL IN MANUFACTURING OF RAIL COACHES:

(a) & (b): Yes, Madam. With the prime objective of addressing the problem of corrosion, Indian Railways have decided to gradually switch over to manufacture of stainless steel coaches. These coaches have about 10-15% higher passenger carrying capacity than the corresponding conventional ICF design (Corten Steel) coaches primarily owing to longer length (by 1.7 meters approx). Layout integration & design, oscillation trials for speed clearance etc. have been carried out by Research, Design & Standards Organisation of Indian Railways.

Open/covered wagons built with stainless steel and having lesser tare weight have also been inducted which has helped in increasing the carrying capacity per rake by 21.7% in case of open wagons and 64.5% in case of covered wagons, besides addressing the problem of corrosion.

(c) & (d): Yes, Madam. Track friendly bogies for Wagons suitable for higher speed with higher carrying capacity are planned to be inducted.