

**GOVERNMENT OF INDIA
RAILWAYS
LOK SABHA**

STARRED QUESTION NO:65
ANSWERED ON:27.11.2014
OLD RAILWAY BRIDGES
Nayak Shri B.V.;Patel Smt. Jayshreeben

Will the Minister of RAILWAYS be pleased to state:

- (a) whether the Railways have identified old and distressed bridges in the country and if so, the details thereof, zone-wise;
- (b) whether the Railways have any established mechanism of maintenance and repair of such bridges and if so, the details thereof including the number of such bridges replaced, repaired and retrofitted during the last three years and the current year, year and zone-wise;
- (c) whether the High Level Safety Review Committee under the chairmanship of Dr. Anil Kakodkar had recommended scientific assessment of the conditions of bridges, if so, the details thereof;
- (d) the action taken to implement the said recommendation; and
- (e) the other steps taken / proposed to be taken for renovation of old and distressed bridges?

Answer

MINISTER OF RAILWAYS (SHRI SURESH PRABHAKAR PRABHU)

(a) to (e): A Statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO. 65 BY SHRI B.V. NAIK AND SHRIMATI JAYSHREEBEN PATEL TO BE ANSWERED IN LOK SABHA ON 27.11.2014 REGARDING OLD RAILWAY BRIDGES

(a), (b) & (e): Inspection of bridges on Indian Railways is a well established regular process. All the bridges are inspected twice a year, one before the onset of monsoon and one detailed inspection after the monsoon. Repair / strengthening / rehabilitation / rebuilding of bridges is undertaken whenever so warranted by their physical condition as ascertained during these inspections. If the corrective/remedial measures are expected to take a long duration due to the complexity of the site situation etc., suitable safety measures like imposing speed restrictions and keeping such bridge under close watch are taken till the bridge is repaired/strengthened/ rehabilitated/ rebuilt. As on 01.04.2014, 2885 bridges have been sanctioned for strengthening/ rehabilitation/rebuilding. The zone-wise details are as under:

Railway	Central	Eastern	East	East	Northern	North	North	North-	east
	Central	Coast	Central	Eastern	Frontier				
No. of bridges sanctioned	106	284	479	96	204	75	4	154	

Railway	North	Southern	South	South	South	East	South	Western	West	Central
	Western	Central	Eastern	Central	Western					
No. of bridges sanctioned	130	203	235	205	74	76	294	266		

No. of bridges repaired/strengthened/rehabilitated/rebuilt during the last three years and the current year (till October, 2014) is as under:

Railway Year-wise details of number of bridges repaired/strengthened/rehabilitated/rebuilt

2011-12 2012-13 2013-14 2014-15
(till October, 2014)

Central Railway	23	31	26	13
Eastern Railway	105	87	61	26
East Central Railway	56	43	29	9
East Coast Railway	39	40	40	15
Northern Railway	90	74	87	39
North Central Railway	43	32	47	18
North Eastern Railway	5	0	4	0
Northeast Frontier Railway	71	32	28	27
North Western Railway	66	69	37	23
Southern Railway	38	38	45	29
South Central Railway	95	89	77	30
South Eastern Railway	47	86	106	33
South East Central Railway	69	46	33	30
South Western Railway	72	50	23	7
Western Railway	38	32	46	29
West Central Railway	67	57	50	46
Total	924	806	739	374

(c) & (d) Yes, Madam. High Level Safety Review Committee (HLSRC) has recommended certain items like uploading the photographs of bridges on MIS for bridge health monitoring, measurement of bridge girder deflection / camber and water level. Pilot project has already been taken for the bridge management system which will have the facility for uploading of photographs, bridge design data and all inspection details. Another pilot project for measurement of bridge girder deflection / camber and water level has also been taken up. Indian Railways has also developed the scientific numerical rating system for various bridge components and overall numerical rating for the complete bridge for indicating the health of the bridges.