

**GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS**

**LOK SABHA  
UNSTARRED QUESTION NO. 1770  
TO BE ANSWERED ON 27.07.2016**

**MODERNIZATION OF RAILWAYS**

**† 1770. SHRI RAMESH CHANDER KAUSHIK:  
SHRI SATISH KUMAR GAUTAM:  
DR. K. KAMARAJ:  
SHRI K. ASHOK KUMAR:  
DR. KIRIT P. SOLANKI:  
SHRI P. KUMAR**

**Will the Minister of RAILWAYS be pleased to state:**

- (a) whether the Government is actively considering to modernise Railways system on the pattern of some advanced countries of the world and if so, the details thereof;**
- (b) whether the Government has gathered any information from these countries to work on the modernisation plan and if so, the details thereof and the likely expenditure on this plan;**
- (c) whether the Railways has signed any Memorandum of Understandings (MoUs) with other countries for the modernization of Indian Railways including railway stations in the country and if so, the details thereof;**
- (d) the details of projects identified to be developed under such agreements, State-wise/zone-wise and whether the Railways has appointed any monitoring committee to oversee such MoUs for effective implementation of the agreements and if so, the details thereof;**
- (e) whether the Railways is already roping in some 18 State Governments wherein some of the projects would be jointly funded and if so, the details thereof; and**
- (f) the further steps taken/being taken by the Government to modernise the Railways?**

**ANSWER**

**MINISTER OF STATE IN THE MINISTRY OF RAILWAYS  
(SHRI RAJEN GOHAIN)**

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

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**STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (f) OF UNSTARRED QUESTION NO. 1770 BY SHRI RAMESH CHANDER KAUSHIK, SHRI SATISH KUMAR GAUTAM, DR. K. KAMARAJ, SHRI K. ASHOK KUMAR, DR. KIRIT P. SOLANKI AND SHRI P. KUMAR TO BE ANSWERED IN LOK SABHA ON 27.07.2016 REGARDING MODERNIZATION OF RAILWAYS**

**(a) & (c):** Modernisation is an ongoing and continuous process on Indian Railways. In order to obtain latest technical knowhow of the world Railways, Ministry of Railways have signed Memorandum of Understandings (MoUs) for technical cooperation with various foreign countries/railways viz. France, Germany, Czech Republic, China, South Korea, Canada, Kazakhstan, Slovak Republic, United Kingdom, Japan, Russia and Sweden which inter alia includes modernization of rail infrastructure including railway stations.

**(b) & (d):** The ongoing cooperation projects through the MoUs signed between Ministry of Railways and foreign railways/countries include:-

<b>S.N</b>	<b>Country</b>	<b>Projects</b>
<b>1.</b>	<b>China</b>	<b>(i) High Speed Rail feasibility study for Delhi-Nagpur section with financing from Chinese side (ii) Feasibility study for upgradation of Speeds to 160 kmph on Chennai-Bengaluru-Mysore corridor with financing from Chinese side.</b>
<b>2.</b>	<b>South Korea</b>	<b>Feasibility Study for speed raising of Delhi-Mumbai route to 200 km/h with financing from South Korean side.</b>
<b>3.</b>	<b>Japan</b>	<b>The Mumbai-Ahmedabad High Speed Rail Project has been taken up for implementation with financial and technical assistance of Japan. Completion Cost of the Project is ₹ 97,636 Crore, Japanese financial assistance being ₹ 79,165 crore (81%). An SPV, namely, National High Speed Rail Corporation (NHRC) has been formed to implement the project.</b>
<b>4.</b>	<b>France</b>	<b>(i) Technical and Execution Study for upgrading the speed of passenger trains between Delhi-Chandigarh upto 200 kmph. (ii) Renovation/development study of Ludhiana and Ambala railway stations.</b>
<b>5</b>	<b>Germany</b>	<b>Feasibility study for High Speed Rail of Chennai-Bangalore-Mysore Section with financing from German side.</b>
<b>6.</b>	<b>Spain</b>	<b>Feasibility study for High Speed Rail of Mumbai-Nagpur Section with financing from Spanish side.</b>

**For monitoring Mumbai-Ahmedabad High Speed Train Project, a Joint Committee chaired by Vice-Chairman, NITI Aayog and an Empowered Committee Chaired by Secretary, Department of Economic Affairs have been formed.**

**Other projects are at the stage of feasibility studies, which are monitored regularly by Railway Board.**

**(e): Ministry of Railways has approached State Governments to form Joint Venture Companies (JVCs) with Ministry of Railways to undertake mutually identified rail infrastructure projects for project development, resources mobilization and monitoring. 17 State Governments have consented for formation of JVCs with Ministry of Railways. Memorandum of Understandings (MoUs) for setting up Joint Venture companies have been signed with Maharashtra, Odisha, Andhra Pradesh, Kerala, Chhattisgarh, Telangana and Haryana. Joint Venture Agreement has been signed with Government of Odisha and Haryana.**

**(f): Steps taken for modernization includes elimination of level crossings & unmanned level crossings, mechanized maintenance of track, introduction of new generation locomotives, high speed potential LHB coaches, introduction of train sets, upgradation of suburban coaches, green toilets on all passenger trains, development of modern high pay to tare ratio wagons, enhancement of customer amenities at stations and on trains, feasibility studies of high speed and semi high speed corridors, construction of freight corridors, implementation of electrification, introduction of mobile ticketing and trials of train protection warning system etc.**

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