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6. In December 2015, Memorandum of Understanding has been Signed with Japan International Cooperation Agency for funding of High Speed corridor between Mumbai-Ahmedabad.
7. Railways have awarded setting up of Diesel Locomotives and Electric Locomotive factories at Marhowra and Madhepura respectively to M/s General Electric Ltd. and M/s Alstom Ltd.

### High speed trains

1090. SHRIMATI JAYA BACHCHAN: Will the Minister of RAILWAYS be pleased to state:

- (a) whether Railways plan to introduce high-speed trains on certain lines;
- (b) if so, the details of the lines chosen;
- (c) the cost of the projects, project-wise; and
- (d) how does Railways plan to finance these projects, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI MANOJ SINHA): (a) and (b) It has been decided to implement Mumbai-Ahmedabad High Speed Rail Project with financial and technical assistance from Government of Japan.

(c) The total cost of Mumbai-Ahmedabad high speed rail project is estimated to be approximately ₹ 97,636 crore.

(d) Government of Japan has agreed to provide loan of approximately 81% of total project cost at 0.1% per annum interest for 50 years with 15 years moratorium with the balance being funded through equity from Ministry of Railways and concerned State Governments.

### Setting up of Centres for Railway Research

1091. DR. PRADEEP KUMAR BALMUCHU: Will the Minister of RAILWAYS be pleased to state:

- (a) whether it is a fact that Railways are planning to set up Centres for Railway Research in collaboration with IITs all over the country, if so, the details thereof; and

(b) whether it is also a fact that an MoU has already been entered into with various branches of IITs in the country, if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI MANOJ SINHA): (a) and (b) Setting up of four Centres for Railway Research (CRR) on Indian Railways was sanctioned in Railway Budget 2015-16, in addition to the one already functional at Indian Institute of Technology (IIT), Kharagpur. Memorandum of Understanding (MoU) have been signed by Ministry of Railways with IIT/Kanpur, IIT/Madras, IIT/Roorkee and University of Mumbai during the current year 2015-16 for setting up of these CRRs. MoU with IIT/Kharagpur for setting up of CRR had been signed in February, 2010.

#### **Linke Hofmann Busch coaches**

1092. SHRI C.P. NARAYANAN: Will the Minister of RAILWAYS be pleased to state:

(a) whether the modified version of Linke Hofmann Busch coaches have been delivered to Southern Railway by Integral Coach Factory, Chennai;

(b) whether they are not put into service because power coaches are not available in required numbers; and

(c) whether Government would see to it that such mismatch between purchase of various items is not repeated leading to delay in implementation of project or to loss of finance?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI MANOJ SINHA): (a) Yes, Sir. Linke Hofmann Busch (LHB) coaches have been delivered to Southern Railway by Integral Coach Factory, Chennai.

(b) Power Cars have been made available to Southern Railway commensurate with their requirements.

(c) Does not arise.

#### **Rail coach factory in Kanjikode, Kerala**

1093. SHRI C.P. NARAYANAN: Will the Minister of RAILWAYS be pleased to state:

(a) whether Government has decided to build a rail coach factory in Kanjikode, Kerala;