

**GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS**

**LOK SABHA  
UNSTARRED QUESTION NO. 1584  
TO BE ANSWERED ON 27.12.2017**

**INVESTMENT TO UPGRADE ROLLING STOCK**

**1584. SHRI NALIN KUMAR KATEEL  
SHRI B.N. CHANDRAPPA  
SHRI D.K. SURESH**

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

- (a) whether the Government has made any efforts to attract large-scale investment that is required to improve safety, upgrade signalling and rolling stock of the Railways;**
- (b) if so, the details thereof;**
- (c) the total investment made by various agencies including foreign funding during the last three years, year and agency-wise; and**
- (d) the steps taken by the Government to utilize the investments to upgrade signalling and improve quality of rolling stock?**

**ANSWER**

**MINISTER OF STATE IN THE MINISTRY OF RAILWAYS**

**(SHRI RAJEN GOHAIN)**

- (a) Yes, Madam.**
- (b) Signalling - A work for modernisation of signalling system at a total cost of 44 million Euros on Ghaziabad-Kanpur section of**

**North Central Railway was undertaken through funding from KFW (Kreditanstalt Fur Wiederaufbau) Bank, Germany.**

**Electric Locomotives - A procurement cum Maintenance Agreement(PCMA) has been signed with Madhepura Electric Locomotive Private Limited (MELPL), a Joint Venture Company of Alstom Manufacturing India Limited and Ministry of Railways(26% equity limited to ₹100 crore), for setting up of electric locomotive manufacturing facility at Madhepura, Bihar for manufacturing/supplying 800 High Horse Power, State of the art, Electric Locomotives of 12000 hp capacity. The Company will set up two maintenance depots at Saharanpur & Nagpur and undertake maintenance of first 250 locomotives each over first 13 years and the next 250 locomotives for a period of four years. Total project cost is ₹1300 crore.**

**Diesel Locomotives - A procurement cum Maintenance Agreement has been signed with M/s. General Electric Global Servicing India Pvt. Ltd. on 09.11.2015 for procurement of new generation diesel locomotives of 4500 HP and 6000 HP. Initially 100 diesel locomotives will be imported and subsequently they will be manufactured in India at Diesel Loco Factory, Marhorwa. The anticipated project cost is ₹1300 crore.**

**(c) The Foreign investment details are as under :-**

<b>Year</b>	<b>Signalling (in million euro)</b>	<b>Electric Loco</b>	<b>Diesel Locomotive</b>	<b>Other Rolling Stock (₹in Crore)</b>
<b>2014-15</b>	<b>4.17 million euro</b>	<b>-</b>	<b>-</b>	<b>₹10,771</b>
<b>2015-16</b>	<b>0.46 million euro</b>	<b>-</b>	<b>₹0.99 crore</b>	<b>₹14,000</b>
<b>2016-17</b>	<b>0.62 million euro</b>	<b>₹150 crore</b>	<b>₹154.79 crore</b>	<b>₹14,281</b>
<b>Total</b>	<b>5.25 million euro = ₹40 crore</b>	<b>₹150 crore</b>	<b>₹155.78crore</b>	<b>₹39,052</b>
<b>Agency</b>	<b>KFW</b>	<b>JV with Alstom</b>	<b>JV with GE Global Sourcing India Pvt Ltd.</b>	<b>IRFC</b>

**(d) Signalling - The following Signalling and Telecommunication upgradation works are covered under the scope of the work :-**

- i) Electronic Interlocking system - 47 stations**
- ii) Automatic Signaling System - 410 Rkm**
- iii) Interlocking of Level Crossing gates - 143 Nos**
- iv) Centralised Traffic Control - 44 stations**
- v) Mobile Train Radio Communication - 755 Rkm**

**Electric and Diesel Locomotives - These modern locomotives would be used for improving the operation of freight trains over Indian Railways.**

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