

**GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS**

**LOK SABHA  
UNSTARRED QUESTION NO. 3089  
TO BE ANSWERED ON 14.03.2018**

**HIGH POWERED LOCOS**

**3089.        SHRIMATI RAKSHATAI KHADSE:**

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

- (a) whether the Government proposes to develop high speed and high powered locomotives for Railways under Public Private Partnership(PPP) mode ;**
- (b) if so, the details of the features designed to enhance efficiency for these locomotives;**
- (c) whether the Government has identified the location(s) for establishing the manufacturing activity for these locomotives, and**
- (d) if so, the details thereof?**

**ANSWER**

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

**(SHRI RAJEN GOHAIN)**

- (a) Yes, Madam. Ministry of Railways has signed agreements for manufacturing and maintenance of high power freight Electric and Diesel**

**....contd 2**

**Locomotives under Joint Venture (JV) with Alstom and General Electric respectively. Ministry of Railways has 26% equity in each of these JVs. Being freight Locomotives, these are not considered as high speed.**

**(b) Electric Locomotives: Quantity - 800 nos.**

**Features: Horse power-12000 hp, Twin Bo-Bo configuration, Insulated Gate Bipolar Transistor (IGBT) technology, Axle load-22.5 tonnes upgradable to 25 tonnes, maximum operational speed - 100 kmph upgradable to 120 kmph, energy efficient, regenerative braking etc.**

**Diesel Locomotives: Quantity-1000 nos.**

**Features: Horse power-4500 hp and 6000 hp variants, Minimum 42% starting adhesion factor, speed potential of 100 kmph, electronic fuel injection with test bed full load brake specific fuel consumption of 150 gms/bhphr. Lube oil consumption of maximum 0.5% of fuel oil consumption.**

**AC-AC-3 phase transmission with Insulated Gate Bipolar Transistor (IGBT) based traction inverters, engine-driven traction alternator-rectifier.**

**(c & d) Electric Locomotives: Electric Locomotive Factory at Madhepura, Bihar.**

**Diesel Locomotives: Diesel Locomotive Factory at Marhowra, Bihar.**

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