

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS**

**LOK SABHA
UNSTARRED QUESTION NO.1351
TO BE ANSWERED ON 25.07.2018**

ELECTRIFICATION OF RAILWAY NETWORK

**1351. DR. PRITAM GOPINATH MUNDE:
SHRI VINAYAK BHAURAO RAUT:
SHRI SHRIRANG APPA BARNE:
SHRI ADHALRAO PATIL SHIVAJIRAO:
SHRI KUNWAR PUSHPENDRA SINGH CHANDEL:
SHRI DHARMENDRA YADAV:
DR. SHRIKANT EKNATH SHINDE:
SHRI ANANDRAO ADSUL:**

Will the Minister of RAILWAYS be pleased to state:

- (a) whether the Railways has launched grand drive of 100 per cent electrification of the country's railway network and if so, the details thereof;**
- (b) the present status of the electrification of railways network in the country;**
- (c) whether the decision to electrify 100 per cent of the network was taken without adequate multi-disciplinary high level consultations and if so, the reasons therefor;**
- (d) whether there is a need for 100% electrification especially when massive working infrastructure is already in place for diesel traction and if so, the response of the Union Government thereon;**
- (e) whether the US multinational General Electric had signed an agreement with the Government in 2015 to build the modern diesel locomotive factory in a joint venture with the Railways to supply 1,000 high horsepower diesel engines exclusively to the Indian Railways over 10 years; and**
- (f) if so, the fate of the aforesaid agreement?**

ANSWER

MINISTER OF STATE IN THE MINISTRY OF RAILWAYS

(SHRI RAJEN GOHAIN)

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

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (f) OF UNSTARRED QUESTION NO.1351 BY DR. PRITAM GOPINATH MUNDE, SHRI VINAYAK BHAURAO RAUT, SHRI SHRIRANG APPA BARNE, SHRI ADHALRAO PATIL SHIVAJIRAO, SHRI KUNWAR PUSHPENDRA SINGH CHANDEL, SHRI DHARMENDRA YADAV, DR. SHRIKANT EKNATH SHINDE AND SHRI ANANDRAO ADSUL TO BE ANSWERED IN LOK SABHA ON 25.07.2018 REGARDING ELECTRIFICATION OF RAILWAY NETWORK

(a) Ministry of Railways has planned to optimally electrify balance Broad Gauge (BG) routes of Indian Railways. Balance unsanctioned work of non-electrified routes of 13675 route kilometer has been included in Budget 2018-19 and will be taken up for execution for optimal length after requisite sanctions.

(b) As on 01.04.2018 status of Railway Electrification on various gauges on Indian Railways is as under:-

	Broad Gauge	Meter Gauge	Narrow Gauge	TOTAL
Route Kilometers	61680	3479	2209	67368
Electrified	30212	-	--	30212
Un-electrified	31468	3479	2209	37156

(c) No, Madam. Decision for requirement of electrification of balance un-electrified Broad Gauge (BG) routes, has been taken after multi-disciplinary high level consultation with NITI Aayog & Ministry of Finance.

(d) Yes, Madam. It is an operational necessity to electrify the balance Broad Gauge routes for seamless train operation on electric traction by eliminating detention of trains due to change of traction from diesel to electric and vice versa . Existing infrastructure of diesel sheds will be used for maintenance of electrical locomotives. Electrification of

Balance BG network will entail following advantages:-

- (i) Haulage of heavier freight trains and longer passenger trains with high haulage capacity of Electric Locomotives**
 - (ii) Increased sectional capacity by eliminating detention on account of traction change.**
 - (iii) Reduced Operating and maintenance Cost of Electric Loco.**
 - (iv) Environmental friendly mode of transport.**
 - (v) Reduced dependence on imported diesel fuel.**
- (e) Yes, Madam. This agreement is for procurement of diesel locomotives which would be better than conventionally used diesel locomotives in terms of impact on environment, fuel efficiency and higher reliability. Further, these diesel locomotives shall be deployed for strategic operational and emergency need even after electrification.**
- (f) The Agreement is in force and under execution.**
