

**GOVERNMENT OF INDIA  
RAILWAYS  
LOK SABHA**

UNSTARRED QUESTION NO:5241  
ANSWERED ON:05.04.2017  
Energy Consumption  
Sathyabama Smt. V.

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

- (a) whether the Railways proposes to change its energy consumption mix;
- (b) if so, the details and its objectives thereof;
- (c) whether the Railways is considering to run 90 per cent of its trains on electricity in the next 6-7 years from the present 70 per cent; and
- (d) if so, the details thereof?

**Answer**

MINISTER OF STATE IN THE MINISTRY OF RAILWAYS

(SHRI RAJEN GOHAIN)

(a) & (b) Yes, Madam. As per Vision 2020 document, it was envisaged that Indian Railways (IR) shall procure about 10% of its energy from renewable sources. Accordingly, in order to reduce dependence on fossil fuels, IR proposes to harness 1000 Mega Watt (MW) solar power as part of IR's solar mission by setting up about 500 MW solar plants on rooftop of Railway buildings and about 500 MW on land based system for meeting its Traction & Non-Traction requirements, mostly through Power Purchase Agreements (PPAs). Further, IR also plans to harness about 200 MW of wind power in next five years based on techno-commercial assessment. Accordingly, IR till date has set up about 55 MW solar & wind power plants.

(c) & (d) To electrify about 90% of Broad Gauge railway lines, IR has prepared an Action Plan to electrify 24400 route kilometers by 2020-21.

During the last three years (2014-2017) and for 2017-18, total number of 93 railway electrification projects consisting 16815 route kilometer at an estimated cost of ₹17165 crore have been included in Railway Budget and pace of electrification has been increased from present average of 1300 RKM/annum to 2000 RKM/annum which will further be increased to 4000 RKM in 2017-18.

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