

(d) No, Sir.

(e) and (f) Do not arise.

**Statement**

*Vacant railway land*

Railway	Vacant land (in acres)
Central	6188
Eastern	3792
East Central	8620
East Coast	4707
Northern	9489
North Central	1079
North Eastern	14352
Northeast Frontier	11718
North Western	5953
Southern	5673
South Central	5557
South Eastern	4467
Southeast Central	9659
South Western	2255
Western	17970
West Central	1458
TOTAL :	112937

**Gas turbine electric locomotives**

1699. SHRI A. ELAVARASAN: Will the Minister of RAILWAYS be pleased to state:

(a) whether Railways have decided to use liquefied natural gas - Gas turbine Electric Locomotives (GTEL) and is set to float a tender for the supply of GTELs, a viable alternative of trains running on clean fuel;

(b) if so, the details thereof;

(c) whether a Russian Consortium and associated companies like the United Industrial Corporation have shown interest in setting GTEL for Railways; and

(d) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI K. J. SURYA PRAKASH REDDY): (a) Yes, Sir. Indian Railways is planning to develop and build a prototype LNG fueled Gas Turbine Locomotive for heavy and long haul freight operation. This is proposed to be a Gas Turbine powered locomotive with electrical transmission.

(b) Indian Railways is developing a prototype LNG fueled Gas Turbine based locomotive for heavy and long haul freight operations. This is expected to bring down the operating cost of the locomotives.

Rated horsepower of the Gas Turbine locomotive is planned to be 12000 hp. The locomotive will be equipped with a single gas turbine operating on liquefied natural gas fuel. Expression of Interest for carrying out the development of the prototype was called by RDSO. In this EOI three parties have shown interest, Joint Stock Company led by Russian Railway Research Institute, Moscow (Russian Railways which is part of the Russian Government), Indo-Russian Aviation Limited (a company partly owned by Hindustan Aeronautical Limited), and Bharat Heavy Electricals, New Delhi. After the EOI Russian Railways (100% owned by the Russian Government) have indicated that they will be participating in this tender on behalf of a consortium of various Russian Government Companies in the name of Joint Stock Company, RZD Trading Company.

(c) and (d) Expression of Interest for carrying out the development of the prototype was called by RDSO. In this EOI three parties have shown interest, Joint Stock Company led by Russian Railway Research Institute, Moscow (Russian Railways which is part of the Russian Government), Indo-Russian Aviation Limited (a company partly owned by Hindustan Aeronautical Limited), and Bharat Heavy Electricals, New Delhi. After the EOI Russian Railways (100% owned by the Russian Government) have indicated that they will be participating in this tender on behalf of a consortium of various Russian Government Companies in the name of Joint Stock Company, RZD Trading Company.

#### **Railway projects pending for approval**

1700. SARDAR SUKHDEV SINGH DHINDSA: Will the Minister of RAILWAYS be pleased to state: