

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO-2538**

TO BE ANSWERED ON-27.12.2018

**GEOTHERMAL POWER GENERATION**

2538. SHRI CHHEDI PASWAN

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:-

- (a) whether the Government has assessed the potential of Geothermal Power generation in the country;
- (b) if so, the details thereof;
- (c) whether the Government has undertaken studies in the Puga Valley region of Ladakh in this regard; and
- (d) if so, the details thereof?

**ANSWER**

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER (I/C)  
(SHRI R.K. SINGH)

(a) & (b) The Government has conducted preliminary geological, geo-physical and geo-chemical assessment studies at more than 300 potential sites in the country through The National Geophysical Research Institute (NGRI), Geological Survey of India (GSI), Central Electricity Authority (CEA) and National Hydro Power Corporation (NHPC). Preliminary estimates based on theoretical parameters suggest geo-thermal power potential of 10,000 MW.

(c) & (d) An Expert Group was constituted by the Ministry of New & Renewable Energy on 'Power Generation from Geothermal Energy at Puga, J&K' under the chairmanship of Member (Planning), Central Electricity Authority (CEA). The Expert Group submitted its report in 2008. The report estimates power potential in Puga on a sustained basis of the shallow reservoir for about 2 - 5 MW. Further, they have estimated the deep reservoir potential as 50 - 150 MW.

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