

**GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:4988
ANSWERED ON:23.04.2015
GEO THERMAL ENERGY
Joshi Shri Pralhad Venkatesh

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

- (a) whether any research and development is being conducted to understand the usage of geothermal energy in the country;
- (b) if so, the details thereof;
- (c) whether it is proposed to set up geothermal power plants in the country; and
- (d) if so, the details thereof along with the estimated quantum of electricity to be generated from such plants?

Answer

THE MINISTER OF STATE FOR POWER, COAL & NEW AND RENEWABLE ENERGY (INDEPENDENT CHARGE) (SHRI PYUSH GOYAL)

(a): Yes Madam, Research projects for Magnetotelluric (MT) Studies and Geophysical investigation for Puga geothermal fields in Ladakh region of Jammu and Kashmir state as well as for Tattapani in Chhattisgarh state have been conducted. Further Research, Design, Development and Demonstration (RDD&D) project proposals are being invited on Geothermal Energy by Ministry of New and Renewable Energy for consideration on merit.

(b): Expression of Interest (E.O.I) for new RDD&D proposal in Geothermal Energy has been called by 4th May 2015.

(c)&(d): No Madam, However State Governments of Gujarat, Maharashtra, Jammu & Kashmir, Uttrakhand, Telangana and Chhattisgarh have plans for geothermal power in pipeline at exploratory stage only.

As per the international reports Geothermal Power Plant can generate about 7-8 Millions Units (MU) of electricity per MW per annum in High/Medium Geothermal Potential regions.