

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 4154
ANSWERED ON 26/03/2025

GEOHERMAL ENERGY SITES

4154. SHRI KESINENI SIVANATH

Will the MINISTER OF NEW & RENEWABLE ENERGY be pleased to state:

- (a) whether the Government has conducted any study on geothermal sites across the country;
- (b) if so, the details thereof, State-wise and district-wise for Andhra Pradesh;
- (c) whether the Government has any data regarding the geothermal power plants that have been proposed and which are under construction across India;
- (d) if so, the details thereof, State-wise including Andhra Pradesh;
- (e) the details of the funds allocated and utilized for geothermal energy projects across India, State-wise and year-wise especially for Andhra Pradesh; and
- (f) the details of the measures taken by the Government to promote and incentivize investment in geothermal energy production in the country especially Andhra Pradesh?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) & (b). Yes, Geological Survey of India (GSI) has carried out exploration of geothermal energy in various recognized geothermal fields which includes collection of data on temperature, discharge, and quality/chemistry of water in different geothermal fields. GSI has studied 381 thermally anomalous areas across India and has published a report titled '*Geothermal Atlas of India, 2022*'. A potential of about 10,600 MW of geothermal power has been estimated in the country.

(c) & (d). Singareni Collieries Company limited (SCCL) has commissioned a 20 kW pilot geothermal power plant in Manuguru area of Bhadradi Kothagudem district in Telangana. There is currently no geothermal power plants proposed or under construction in Andhra Pradesh.

(e) No fund has been allocated by Ministry, so far.

(f) The Ministry is implementing a "Renewable Energy Research and Technology Development Programme (RE-RTD)" through various research institutions and industry to develop indigenous technologies and manufacturing for widespread applications of new and renewable energy including geothermal energy in efficient and cost-effective manner in the country including Andhra Pradesh.
