

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 575
ANSWERED ON 22.07.2026

RESEARCH ON RENEWABLE ENERGY TECHNOLOGY DEVELOPMENT

575. SMT. POONAMBEN HEMATBHAI MAADAM

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

- (a) whether the Government has undertaken measures to promote research, innovation and indigenous technology development in the renewable energy sector;
- (b) if so, the details thereof;
- (c) whether financial assistance is being provided for research projects in emerging renewable energy technologies; and
- (d) if so, the details thereof?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) & (b). The Ministry implements a “Renewable Energy Research and Technology Development Programme (RE-RTD)” through various research institutions and industry to develop indigenous technologies in renewable energy sector. Additionally, research is being carried out under the National Green Hydrogen Mission (NGHM).

Further, the Ministry also implements an Innovative Projects Component under the PM Surya Ghar: Muft Bijli Yojana (PMSG-MBY), to identify and fund new innovations in business models and technical deployments of rooftop solar, including support for pilots, proof-of-concepts, and incorporation of cutting-edge technologies in distributed renewable energy deployment.

(c) & (d). Under the RE-RTD programme, the Ministry provides up to 100% financial support to Government/non-profit research organizations and upto 70% to Industry, private Institutes, entrepreneurs, and manufacturing units.

Presently, under the RE-RTD Programme, 18 R&D projects are sanctioned in emerging areas under category of Perovskite Solar and Perovskite Tandem Solar Cells, Geothermal Power, Geothermal Cooling and Heating, Energy Storage, Tidal Energy and Small Hydro with MNRE support of Rs. 243.53 crore.

In addition, under the National Green Hydrogen Mission (NGHM) R&D Scheme, 27 projects have been awarded under category of Safety and Integration, Hydrogen Applications, and Hydrogen Production with MNRE support of Rs.133.92 crore.
