GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 554
ANSWERED ON 03.12.2025

RESEARCH AND DEVELOPMENT IN RENEWABLE ENERGY TECHNOLOGIES

554. SHRI ANUP SANJAY DHOTRE
SHRI BIPLAB KUMAR DEB

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

(a) the details of Research and Development (R&D) initiatives undertaken for next-generation renewable technologies;
(b) the manner in which the Government collaborating with academic and research institutions in this regard;
(c) the steps taken by the Government to promote indigenous manufacturing of renewable energy equipment;
(d) the manner in which the Government encourage innovation in energy storage and smart grids;
(e) whether there are special grants or funds for startups working on clean energy and if so, the details thereof; and
(f) whether the Government proposes to increase investments in Research and development of advanced solar cells, wind turbines and energy storage to enhance energy efficiency and if so, the details thereof?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) to (e) 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 energy storage and smart grids technologies in efficient and cost-effective manner in the country.

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

(f) Yes. The Government is continuously enhancing investments in research, development and demonstration of advanced renewable energy technologies through RE-RTD Programme, including next-generation solar cell technologies including perovskite and perovskite–silicon tandem solar cells, wind resources assessment, and emerging energy storage technologies.

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