

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 293
ANSWERED ON 19.07.2022

ENERGY STORAGE REQUIREMENT TO MEET RENEWABLE ENERGY GOALS

293. SHRI SANJAY SINGH

Will the Minister of New & Renewable Energy be pleased to state:

- (a) Whether it is a fact that according to the India Energy Storage Alliance, for the target to integrate 500GW of non-fossil fuel energy onto its networks by 2030, India needs at least 160GWh of energy storage;
- (b) The steps taken by Government to accomplish this target
- (c) Whether it is a fact that many Indian States are reluctant to embrace energy storage despite their growing renewable energy capacities; and
- (d) If so, the reasons thereof and steps taken by Government to tackle this issue?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) & (b) Central Electricity Authority has assessed a requirement of 41 GW / 190 GWh of Energy Storage System for integration of 500 GW of non-fossil fuel based electricity in the grid by 2030. India Energy Storage Alliance, an industry alliance focused on development of energy storage, green hydrogen and e-mobility has brought out a report titled “Energy Storage Vision 2030 for India”, wherein it has estimated the requirement of about 160 GWh of Energy Storage System by 2030.

Ministry of Power organised a stakeholder consultation to discuss about policy support required for Pump Storage Plants and Battery Energy Storage Systems.

The steps taken by Government of India for promotion of Energy Storage System in the country, include the following:

- Legal Status has been provided for Energy Storage Systems.
- Waiver of ISTS charges on Battery Energy Storage Systems charging has been provided.
- Guidelines for Procurement and Utilization of Battery Energy Storage Systems as part of Generation, Transmission and Distribution assets, along with Ancillary Services issued.
- MNRE has included battery storage in the National Wind-Solar Hybrid policy.
- Solar Energy Corporation of India has invited bids for pilot project of 500 MW / 1000 MWh Battery Energy Storage System as combination of grid support and peaking product on commercial basis under tariff-based global competitive bidding.

(c) & (d) No such information is available with the Ministry of New and Renewable Energy.
