

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 780
TO BE ANSWERED ON 07.02.2019

STORAGE OF SOLAR ENERGY

780. SHRI G.M.SIDDESHWARA

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

- (a) whether the Government is developing technology to store 5 MW of solar power and is also in the process of developing a Battery Energy Storage System in Davangere district of Karnataka;
- (b) if so, the details thereof;
- (c) whether such technology is used in the world to store electricity, be it solar or wind or conventional; and
- (d) if so, the details thereof and the countries that are using that technology and whether the Government has tried to get that technology.

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER (I/C)
(SHRI R. K. SINGH)

(a) and (b) The Government of India has been making concerted efforts for developing energy storage technologies for managing the variable generation from renewable energy sources, including solar power. In this regard, an Expert Committee chaired by Secretary, Ministry of New and Renewable Energy, has proposed draft National Energy Storage Mission that strives for leadership in the energy storage sector by encouraging manufacturing, deployment, innovation and cost reduction.

There is no proposal for developing a Battery Energy Storage System in Davangere district of Karnataka .

(c) and (d) As per International Energy Agency's report "Energy Storage – Tracking Clean Energy Progress", the utility scale deployment for storage technology excluding pumped hydro storage in the year 2017 was 620 MWh and the cumulative energy storage volume including pumped hydro storage was 15.3 GWh. Australia, China, Japan, Germany, Korea and United States are the leading countries in deployment of energy storage technology.

Through various bilateral engagements, India has been encouraging technological cooperation on energy storage. A specific proposal on designing research programme and collaboration projects has been proposed under the India- United Kingdom Energy for Growth Partnership.
