

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO-3737

TO BE ANSWERED ON-09.08.2018

NATIONAL ENERGY STORAGE MISSION

3737. SHRIMATI ANJU BALA

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

- (a) whether the Government has set up an Expert Committee for the launching of the National Energy Storage Mission for the country and if so, the details thereof;
- (b) whether the NITI Aayog has proposed a three-stage solution for promoting battery manufacturing in the country and if so, the details thereof;
- (c) whether energy storage technologies have strategic importance for the country's energy security and clean energy future and if so, the details thereof; and
- (d) whether there is an urgent need to address the challenges faced by the energy storage sector in the country and if so, the steps taken by the Government in this regard?

ANSWER

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

(a) In February 2018, an Expert Committee under the chairpersonship of Secretary, Ministry of New and Renewable Energy, with representatives from relevant Ministries, industry associations, research institutions and experts was constituted by the Ministry of New & Renewable Energy to propose draft for setting up National Energy Storage Mission (NESM) for India.

(b) NITI Aayog and Rocky Mountain Institute's joint report on India's Energy Storage Mission has proposed three stage solution approach i.e. creating an environment for battery manufacturing growth; scaling supply chain strategies; and scaling of battery cell manufacturing. The report is available at
(http://www.niti.gov.in/writereaddata/files/document_publication/India-Energy-Storage-Mission.pdf).

(c) and (d) Energy Storage is one of the most crucial & critical components of India's energy infrastructure strategy and also for supporting India's sustained thrust to renewables. Key areas for energy storage application include:

- i. integrating renewable energy with distribution and transmission grids;
- ii. setting Rural micro grids with diversified loads or stand-alone systems; and
- iii. developing Storage component of electric mobility plans.

The Expert Committee referred to in answer to the part "(a)" above, has proposed a draft NESM with objective to strive for leadership in energy storage sector by creating an enabling policy and regulatory framework that encourages manufacturing, deployment, innovation and further cost reduction.
