

**GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:1572
ANSWERED ON:04.03.2011
TIDAL ENERGY
Veljibhai Jat Poonamben

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

- (a) whether the Government has undertaken any study for the assessment of tidal energy in the country;
- (b) if so, the details of the potential sites identified for the purpose, state-wise;
- (c) whether the Union Government proposes to provide incentives to the State Governments for development of tidal energy; and
- (d) if so, the details thereof?

Answer

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH)

(a),(b),(c)&(d): A study was undertaken for the assessment of tidal energy potential in the country. According to the study, there is an estimated potential of tidal energy of the order of 8000 MW in the country. This includes about 7000 MW in the Gulf of Cambay and 1200 MW in the Gulf of Kutch in the State of Gujarat and about 100 MW in the Gangetic Delta in the Sunderbans region in the State of West Bengal.

The Ministry sanctioned a demonstration project for setting up 3.75 MW capacity tidal energy power plant at the Durgaduani Creek in Sunderbans region to West Bengal Renewable Energy Development Agency (WBREDA), Kolkatta. The project is being executed by NHPC Ltd.

The State Government of Gujarat formed a Special Purpose Vehicles (SPVs) with public private partnership and sponsored a study for large scale exploitation of tidal energy across the coastline of Gujarat. One MoU for commissioning of 50 MW Tidal Power Project has been signed by M/s. Atlantis Resource Corporation (U.K.) and Gujarat Power Corporation Ltd., Govt. of Gujarat.

The Ministry of New and Renewable Energy considers providing financial incentives upto 50% of the cost to the State Government implementing Agencies for the development of tidal energy projects on cost sharing basis as technology demonstration projects in accordance with its R&D policy guidelines.