

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

UNSTARRED QUESTION NO:996
ANSWERED ON:30.07.2010
TIDAL ENERGY
Singh Shri Jagada Nand

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

- (a) whether the Government has made any assessment of potential of power generation from tidal energy;
- (b) if so, the details thereof;
- (c) the details of the progress made in the development of tidal energy in the country as compared to foreign countries which have started the commercial use of this energy; and
- (d) the steps being taken by the Government to exploit the power generation potential of tidal energy in the country?

Answer

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

(a)&(b): As per earlier assessments, the tidal energy potential in the country has been estimated as about 7000 MW in the Gulf of Cambay and about 1200 MW in the Gulf of Kachchh in Gujarat and about 100 MW in the Gangetic Delta in the Sunderban region in West Bengal.

(c)&(d): France, Russia, China, Canada, United Kingdom and South Korea have set up tidal power projects. The total installed capacity of tidal power projects in these countries is about 262 Megawatts.

The Ministry sanctioned in February 2008 a demonstration tidal power project of 3.75 MW capacity, to be set up at the Durgaduani Creek in Sunderban region in West Bengal, to the West Bengal Renewable Energy Development Agency (WBREDA), Kolkata. The project is being implemented through NHPC Limited, which is in the process of inviting bids for engineering, procurement and construction of the project through international competitive bidding process.

The Gujarat Power Corporation Limited (GPCL), Gandhinagar has signed a Memorandum of Understanding with Atlantis Resources Corporation Pte. Ltd. (Atlantis), Singapore in December, 2009 for conducting a study on techno-economic feasibility of tidal power generation across the coast line of Gujarat through a Joint Venture of the GPCL, Atlantis and Perfect Mining and Energy Solutions Pte Ltd., Singapore.