

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

UNSTARRED QUESTION NO:5817
ANSWERED ON:30.04.2010
TIDAL ENERGY
Bhujbal Shri Sameer ;Singh Shri Jagada Nand

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

- (a) whether any assessment regarding the potential of power generation from the tidal energy has been made;
- (b) if so, the details thereof;
- (c) whether many countries of the world have started commercial use of tidal energy from the seas and oceans;
- (d) if so, the details thereof; and
- (e) whether the places for generation and exploitation of tidal energy have been identified alongwith the time by which production is likely to be started?

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 Sundarban 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.

(e): 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, Gandhinagar is planning to undertake a study on techno-economic feasibility of tidal power generation in the state of Gujarat.