

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA

UNSTARRED QUESTION NO. 2767
TO BE ANSWERED ON 04.01.2018

POTENTIAL CAPACITY OF TIDAL ENERGY

2767. SHRI DIBYENDU ADHIKARI:

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

- (a): whether the country has the potential capacity of 8,000 MW of tidal energy;
- (b): if so, the details thereof;
- (c): whether the Union Government proposes to develop green energy along the coastal line of the country especially along Gulf of Cambay in Gujarat, 1200 MW in Gulf of Kutch and the Gangetic delta of Sunderban; and
- (d): if so, the details thereof?

ANSWER

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

(a) & (b): As per a study conducted by the Indian Institute of Technology, Chennai, in association with CRISIL (Credit Rating Information Services of India Limited) Risk and Infrastructure Solutions Limited, there is an estimated potential of tidal energy of about 8000 MW with 7000 MW in the Gulf of Cambay, 1200 MW in the Gulf of Kutch in Gujarat, and about 100 MW in the Gangetic delta in Sunderbans in West Bengal.

(c) & (d): Tidal energy cannot be presently harnessed on commercial basis due to the high capital cost ranging from Rs. 30 crore to 60 crore per MW. However, the Government is focusing on harnessing the offshore wind power.
