

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 1514**  
ANSWERED ON 04/12/2024

**TIDAL ENERGY POTENTIAL**

1514. SHRI MAGUNTA SREENIVASULU REDDY

Will the MINISTER OF NEW & RENEWABLE ENERGY be pleased to state:

- (a) whether the Government has assessed the potential and the exploitable potential of ocean energy in the country, if so, the details thereof and the works carried out in this regard;
- (b) whether the Government has conducted any assessment to determine the economic viability and benefits of ocean energy, if so, details thereof;
- (c) the details regarding the funds allocated and utilised for research and development of ocean energy, during each of the last five years, institution-wise;
- (d) whether the Government has conducted any environmental impact assessment of ocean energy power plants, if so, details thereof and if not, the reasons therefor;
- (e) the details regarding the R&D/pilot project proposals received and approved under the Renewable Energy Research and Technology Development Programme (RE-RTD) for tidal power; and
- (f) whether the Government has any schemes/plans/initiatives to set up new ocean energy power plants in the country, if so, the details thereof and if not, the reasons therefor?

**ANSWER**

**THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER**

**(SHRI SHRIPAD YESSO NAIK)**

(a) The Ministry has assessed the Tidal Power Potential of 12,455 MW and Wave Power Potential of 41,300 MW in the country in December 2014. The exploitable potential of ocean energy has not been assessed in the country.

(b) No

(c) No fund has been allocated by Ministry, so far.

(d) No, Ocean energy-based power plants are still at R&D stage.

(e) The Ministry received 22 nos. of project proposals under the RE-RTD Programme. Approval has been accorded to two proposals.

(f) The RE-RTD Programme has a provision of financial support for promotion of indigenous technology development for wide spread deployment of new and renewable energy, including ocean energy. The Ministry provides up to 100% financial support to Government/non-profit research organizations and upto 70% to Industry, start-ups, private Institutes, entrepreneur, and manufacturing units.

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