

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 4182
ANSWERED ON 26/03/2025

UNTAPPED POTENTIAL OF OCEAN ENERGY

4182. SHRI BAJRANG MANOHAR SONWANE

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

- (a) whether the Government has recognised ocean energy as a renewable resource with untapped potential;
- (b) if so, the details thereof;
- (c) whether Eco Wave Power has signed Memorandum of Understanding (MoU) with BPCL to harness wave energy potential of India;
- (d) if so, the details thereof and the quantity of energy likely to be generated; and
- (e) the steps taken by the Government to establish wave energy as a mainstream energy source and meet the energy needs to millions of people living in the coastal areas?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) & (b) Yes Sir, the Indian Institute of Technology, Chennai in association with Credit Rating Information Services of India Limited (CRISIL) conducted a study on “Tidal & Waves Energy in India: Survey on the Potential & Proposition of a Roadmap” in December 2014. As per this report, the tidal energy and wave energy potential are estimated at around 12,455 MW and 41,300 MW, respectively.

(c) & (d) Yes Sir, BPCL and M/s. Eco Wave Power have signed an MoU to explore the potential of harnessing wave energy for renewable power generation. The agreement aims to assess the feasibility of producing renewable energy from ocean waves at identified locations near Mumbai.

(e) Wave energy is still at a nascent R&D stage, the Ministry is implementing a “Renewable Energy Research and Technology Development Programme (RE-RTD)” through various research institutions and industry to develop indigenous technologies and manufacturing for widespread applications of new and renewable energy including wave energy in efficient and cost-effective manner.
