

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 445
ANSWERED ON 06/02/2024

TIDAL ENERGY PRODUCTION AND IMPACT

445. DR. AMAR PATNAIK

Will the Minister of New & Renewable Energy be pleased to state:

- (a) the funds allocated for Tidal energy in the past five years, year-wise;
- (b) Whether Government has made any efforts to increase the economic viability and feasibility of tidal energy plants in the country and specifically in Odisha;
- (c) If so, the details thereof, if no, the reasons therefor; and
- (d) whether Government has taken up any study to measure the environmental impact and ecological sustainability of tidal power plants, if so, the details thereof and if not, the reasons therefor?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) There is no specific scheme for development of tidal energy. However, Research and Demonstration projects in tidal energy can be considered under the Renewable Energy Research and Technology Development Programme of the Ministry. No funds have been allocated for tidal energy in the past five years.

(b) &(c) The Indian Institute of Technology, Chennai 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 state-wise estimated theoretical tidal potential is as follows: -

State	Tidal Power Potential (MW)
Andhra Pradesh	100
Gujarat	10,425
Karnataka	100
Kerala	100
Maharashtra	200
Odisha	400
Tamil Nadu	230
West Bengal	900
Total	12,455

Efforts were made to set up tidal Power projects in West Bengal (3.75 MW) and Gujarat (50 MW), however, due to high capital cost and non-viability, these projects could not be taken up.

(d) Since, Tidal energy is not being developed at present, the question of environmental impact assessment does not arise.
