

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
STARRED QUESTION NO. 177
ANSWERED ON 14/12/2023

TIDAL ENERGY

*177. SHRIMATI CHINTA ANURADHA
SHRI MADDILA GURUMOORTHY

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

- (a) whether the Government considers tidal energy as one of the renewable energy sources;
- (b) if so, the details thereof;
- (c) whether any additional potential renewable energy sources has been identified/developed in the country; and
- (d) 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) to (d) A Statement is laid on the Table of the House.

STATEMENT

STATEMENT REFERRED TO IN REPLY TO LOK SABHA STARRED QUESTION No. 177 for ANSWER ON 14-12-2023

(a) & (b) Yes Sir. Tidal energy is a form of renewable energy that harnesses the power of tides, which are the periodic rise and fall of sea levels. Tidal energy can be converted into electricity using various technologies, and it has the advantage of being predictable and consistent.

(c) & (d) Solar Energy, Wind Energy, Hydro Energy, Bio-Energy, Tidal Energy, Wave Energy, Waste to Energy and Geothermal Energy are identified as potential renewable energy sources in the country. The renewable energy capacity installed so far in the country is as follows: -

Renewable Energy Sources	Installed capacity (GW) (As on 30.11.2023)
Solar	72.31
Wind	44.56
Hydro	51.86
Bio-mass	10.83