

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO-935
ANSWERED ON-09/02/2021

RENEWABLE ENERGY POTENTIAL OF ODISHA

935. Shri Bhaskar Rao Nekkanti

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

the renewable energy potential of the State of Odisha based on a combination of prevalent renewable energy technologies including solar, wind, geothermal and tidal?

ANSWER

THE MINISTER OF STATE (I/C) FOR NEW & RENEWABLE ENERGY, POWER and MoSfor
SKILL DEVELOPMENT AND ENTREPRENEURSHIP

(SHRI R.K. SINGH)

(a) The details of estimated renewable energy potential identified for various renewable energy sources in the state of Odisha are as follows:

Source	Estimated Potential (in MW)
Solar	25780
Wind	3093
Small Hydro Power	286.22
Biomass	268
Total	29427.22

Further, 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, tidal currents exist in Odisha in the range of 1.5 metres/second and this region is categorized as Class-II Tidal-stream (moderate currents). For the entire coastal line in Odisha, the estimated theoretical tidal power potential is 400 MW. In addition, the estimated theoretical wave power potential is 600 MW.
