

**Research on Tidal power**

1065. SHRI HARSHVARDHAN SINGH DUNGARPUR: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) whether Government is undertaking any research/study to generate electricity from the tidal waves in the country;
- (b) if so, the details thereof;
- (c) whether Government is planning to set up new project in the country to fulfil the demands of electricity from the tidal waves;
- (d) if so, the details thereof; and
- (e) if not, the reasons therefor?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI RAJ KUMAR SINGH): (a) and (b) The Government has not undertaken any research/study to generate electricity from the tidal waves in the country.

(c) to (e) No Sir, the Government is not planning to setup any tidal power project due to high capital cost of the Tidal power plants.

**Energy generation from biomass**

1066. SHRI SANJAY SETH: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) whether Government has a flagship programme for setting up plants for converting biomass to electricity;
- (b) whether such plants are currently operational in any part of India; and
- (c) whether there exists a plan to improve and enable such plants so that they can substantially contribute to the grid?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI RAJ KUMAR SINGH): (a) to (c) The Ministry of New and Renewable Energy was running a programme to support biomass based power generation and cogeneration in sugar mills and industries during 11th and 12th plan period. Under this programme, Central Financial Assistance (CFA) has been given for setting up of projects based on biomass. Under the implemented programme biomass based projects

with aggregate capacity of 9775MW have been installed so far. To strengthen the contribution of biomass power to grid, the Ministry has modified the previous programme and notified the amended programme on 11.05.2018

**Measures to popularise roof top solar power system**

1067. SHRI RAJKUMAR DHOOT: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) whether it is a fact that despite the efforts made by Government, roof top solar system has not done well in the country;
- (b) if so, whether Government has studied or proposes to study the reasons behind this scenario; and
- (c) the concrete efforts Government proposes to make to popularise roof top solar system in the country?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI RAJ KUMAR SINGH): (a) Under the present rooftop solar programme, which was approved by the Government in December 2015, an aggregated capacity of 2100 MW is targeted to be achieved in residential, institutional, social and Government sector through central financial assistance by the year 2019-20.

As per data captured on the SPIN portal of the Ministry of New and Renewable Energy (MNRE), a total of 1279 MW capacity grid connected rooftop solar PV systems have been reported installed in the country as on 31.1.2019.

(b) and (c) While no formal study has been commissioned to study the rooftop solar scenario, the Government is taking a number of steps to promote rooftop solar in the country, these include:

- (i) Providing central financial assistance (CFA) for residential/institutional/social sectors and achievement linked incentives for Government sectors through Rooftop Solar Scheme.
- (ii) Persuading States to notify the net/gross metering regulations for RTS projects. Now all the 36 States/UTs/SERCs have notified such regulations and/or tariff orders.
- (iii) Prepared model MoU, PPA and Capex Agreement for expeditious implementation of RTS projects in Government Sector.