

(b) Under the R&D scheme, proposals for research and development are invited from R&D institutes/ Universities/IITs/NITs/ Industry in the R&D thrust area identified by the Ministry including solar, geothermal and wind energy. An amount of 20 crore has been allocated during FY 2020-21 for promoting technical research and development in renewable energy sector.

Future plans for floating solar projects

1097. SHRI SUJEET KUMAR: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the future plans for floating solar projects and overall non-solar projects in Odisha by 2022; and

(b) the time by when the Ministry is targeting to have 100GW of solar and 75GW of non-solar projects across the country?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI RAJ KUMAR SINGH): (a) Solar Energy Corporation of India Limited (SECI) has received in-principle approval from the Government of Odisha for setting up of 40 MW floating solar projects at Chiplima power channel pond. A proposal for setting up another 500 MW floating solar projects at Hirakud reservoir has also been submitted by SECI to Government of Odisha.

Also, Green Energy Development Corporation of Odisha Limited (GEDCOL) has signed a Memorandum of Understanding (MoU) with NHPC Limited for setting up 500 MW floating solar projects on different reservoirs of Odisha.

As per the Odisha Renewable Energy Policy, 2016, the following targets have been set for addition of renewable energy capacity in the State of Odisha by the year 2022:—

- Solar: 2,200 MW
- Wind: 200 MW
- Small Hydro: 150 MW
- Biomass: 180MW
- Waste to Energy: 20 MW
- Total: 2750 MW

(b) The Ministry has set a target to have 100 GW of solar power and 75GW of non-solar renewable power by end of year 2022.

Establishment of energy generation plants based on plastic

1098. DR. FAUZIA KHAN: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state;

- (a) whether Government proposes to set up energy generation plants based on plastic;
- (b) if so, the details along with the location thereof; and
- (c) the time by which the energy is likely to be generated therefrom?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI RAJ KUMAR SINGH): (a) to (c) The Ministry of New & Renewable Energy is implementing a "Programme on Energy from Urban, Industrial, Agricultural Wastes/Residues and Municipal Solid Waste" to set up Waste-to-Energy plants for recovery of energy in the form of Biogas or Bio-CNG or Power from Urban, Industrial and Agricultural Waste/Residues.

This includes Municipal Solid Waste (MSW) or Refuse Derived Fuel (RDF) based power generation projects where MSW/RDF fed into incinerator is mixed waste which includes non-biodegradable, non-recyclable, non-reusable, non-hazardous solid waste and may also include non-chlorinated plastic having minimum calorific value exceeding 1500 kcal/kg as per Solid Waste Management Rules-2016.

Under aforementioned Scheme, no project has been commissioned till 31.03.2020. However, under the Ministry's earlier scheme "Programme on Energy from Urban, Industrial, Agricultural Wastes/Residues" *vide* OM No. 1011/2013-U&I dated 12.09.2013, one MSW/RDF based Waste to Energy plant was commissioned at Old NDMC Compost Plant, Okhla, New Delhi by M/s Timarpur Okhla Waste Management Company Ltd. (TOWMCL). List of total MSW/RDF based Waste-to-Energy plants as on 31.03.2020, is given in the Statement.