

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 1526
ANSWERED ON 10.02.2022

ENERGY FROM WATER HYACINTH

1526. SHRI KODIKUNNIL SURESH

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

- (a) whether the Government proposes to implement any scheme or project to produce energy from water hyacinth in terms of conversion of the same through a process to turn out gaseous fuel, liquid fuel, or solid fuel;
- (b) if so, the details thereof;
- (c) whether the Government is aware of any pilot project being carried out in the country in this regard; and
- (d) if so, the details thereof?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a)&(b) The Ministry of New and Renewable Energy (MNRE) has been implementing programmes such as (i) New National Biogas and Organic Manure Programme (NNBOMP); (ii) Biogas Power Generation(Off-grid) and Thermal Application Programme (BPGTP); and (iii) Programme on Energy from Urban, Industrial, Agricultural Wastes/ Residues and Municipal Solid Waste (Waste to Energy) for setting up of Biogas Plants based on cattle dung and other biodegradable wastes including water hyacinth to generate Biogas/ Bio CNG / Power in the country.

The Central Financial Assistance (CFA) under the above schemes was being provided by MNRE for supporting installation of biogas plants in the country as follows:

- I. Rs. 7500/- to Rs. 35,000/- per plant based on size of the plant in cubic meter under NNBOMP;
- II. Rs. 25,000 /- to Rs. 40,000 /- per kilowatt for power generation and Rs. 12,500 /- to Rs. 20,000/- per kilowatt equivalent for thermal applications under BPGTP; and
- III. Rs 1.0 crore per 12000 m³ per day for biogas generation and Rs 4.0 Crore per 4800 Kg/day for Bio-CNG generation under Waste to Energy Scheme.

These schemes were valid till 31.03.2021. Beyond 31.03.2021, the Bio-energy Programme of MNRE has been continued for the period of FY 2021-22 to FY 2025-26 only to meet the already created liabilities and no new projects are to be sanctioned.

(c)&(d) Yes, sir. The Department of Biotechnology, Ministry of Science & Technology has supported a research and development (R&D) project by the Energy and Resources Institute (TERI), New Delhi with the objective of demonstration of collection and preparation of new second generation feedstock for hydrogen (gaseous fuel) production.
