

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO-1061
ANSWERED ON-07/12/2021

**ENERGY FROM URBAN, INDUSTRIAL, AGRICULTURAL WASTES/ RESIDUES
AND MUNICIPAL SOLID WASTE PROGRAMME**

1061. SHRI PARIMAL NATHWANI

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

(a) whether the Government has launched the programme on “Energy from Urban, Industrial, Agricultural Wastes/ Residues and Municipal Solid Waste”;

(b) if so, the details thereof; and

(c) the funds sanctioned for the implementation of the programme till date and a State-wise break up thereof?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) to (c) **Programme on Energy from Urban, Industrial, Agricultural Wastes/ Residues and Municipal Solid Waste** for recovery of energy in the form of Biogas or BioCNG or Power or Producer Gas from municipal solid waste, industrial and agricultural waste / residues was notified on 30.07.2018 initially without the MSW component initially with a budget outlay of Rs 78 Crore and a physical target of 57MWeq. The scheme was revised on 28.02.2020 to include the MSW component with a revised budget outlay of Rs 478 Crore and a physical target of 257MWeq. The programme which was valid till 31.03.2021, has been recommended for continuation by EFC for the period FY 2021-22 to 2025-26 for only meeting the already created liabilities. Thus, no new projects after 31.03.2021 are to be sanctioned.

Central Financial Assistance (CFA) under the Programme for setting up Waste to Energy plants is granted on successful commissioning and performance testing. The details of CFA are as follows:

- (a) Biogas generation : Rs 1.0 Crore per 12000 cum/day (Maximum Rs 10 Crore/project); ;
- (b) BioCNG generation (including setting of Biogas plant) : Rs 4.0 Crore per 4800 Kg/day (Maximum Rs 10 Crore/project);
- (c) Power generation based on Biogas (including setting of Biogas plant): Rs 1.5 Crore to Rs 3.0 Crore per MW (Maximum Rs 10 Crore/project);
- (d) Power generation based on MSW: Rs 5.0 Crore per MW (Maximum Rs 50 Crore/project);
- (e) Biomass Gasifier:
 - Rs. 2,500 per kW_e with dual fuel engines for electrical application
 - Rs. 15,000 per kW_e with 100% gas engines for electrical application

- Rs. 2 lakh per 300 kW_{th} for thermal applications.
- Electrical: Rs.10,000 per kW_e for 100% producer gas engines with Gasifier system in industries & other institutions.
- Electrical: Rs. 8000 per kW_e for 100% producer gas engine alone in industries & other institutions.

As on 31.03.2021, a cumulative CFA of Rs 298.83 Crore has been sanctioned to various developers for setting up of Waste to Energy plants. State-wise details of CFA sanctioned by MNRE is given at **Annexure**.

**Annexure referred to in Reply to part (c) of the Rajya Sabha unstarred Question No. 1061
for 07/12/2021 regarding “Energy from Urban, Industrial, Agricultural Wastes/ Residues
and Municipal Solid Waste” Programme**

**“State-wise details of CFA sanctioned by MNRE under Programme on Energy from
Urban, Industrial, Agricultural Wastes/ Residues and Municipal Solid Waste, as on
31.03.2021”**

	State	No. of projects	Sanctioned Amount (Rs Crore)
1	Andhra Pradesh	3	100.50
	M/s Gayathree Innovative Energies Pvt. Ltd	1	0.50
	M/s Jindal Urban Waste management (Guntur) Limited	1	50.00
	M/s Jindal Urban Waste management (Vizag) Limited	1	50.00
2	Bihar	2	0.08
	M/s. Kisan Rice Mill	1	0.05
	M/s. Aditya Agro Foods	1	0.03
3	Gujarat	9	167.86
	M/s APMC, Ahmedabad	1	1.00
	M/s Apex Green Energy Corporation	1	4.67
	M/s Glow Green Biotech	1	1.83
	M/s Goodwatts WTE Ahmedabad Pvt. Ltd.	1	50.00
	M/s Goodwatts WTE Rajkot Pvt. Ltd.	1	50.00
	M/s Goodwatts WTE Vadodara Pvt. Ltd.	1	50.00
	M/s Sayaji Industries Limited	1	1.00
	M/s Shri Hari BioCNG & Fertilizer LLP	1	4.69
	M/s Turquoise Bio Natural Energy Pvt Ltd	1	4.67
4	Haryana	2	2.50
	M/s Amrit Fertilizers	1	3.50
	M/s Spectrum Renewable Energy Pvt Ltd	1	5.00
5	Karnataka	1	0.92
	M/s Kyathi Green Energy Pvt. Ltd	1	0.92
6	Madhya Pradesh	1	0.05
	M/s. Govind Tiles Pvt. Ltd.	1	0.05
7	Maharashtra	2	2.92
	M/s Sahyadri Starch & Industries Pvt. Ltd.	1	1.25
	M/s Shri TradcoDeesanPvt. Ltd.	1	1.67
8	Tamil Nadu	1	8.83
	Energim Sustainable Solutions, Cuddalore	1	8.83
9	Telangana	2	2.32

	M/s. Heemankshi Bakers Pvt.	1	0.32
	Solika Energy Pvt Ltd	1	2.00
10	Uttar Pradesh	4	6.76
	M/s PS Green GAS	1	4.67
	M/s Purshottam Ram Foods Industries Pvt Ltd	1	1.80
	M/s. Amit Traders	1	0.04
	M/s.Nishamb Brick LLP	1	0.26
11	West Bengal	2	0.09
	M/s. Pal Food Product	1	0.07
	M/s. Madhabi Puffed Rice	1	0.02
	Grand Total	29	298.83