

Output Outcome Monitoring Framework (2025-26): Schemes with outlay less than Rs. 500 Crore

Ministry of New and Renewable Energy

Demand No. 71

1. Bio Energy Programme (CS) - Bio Power – Off Grid

FINANCIAL OUTLAY (Rs. in Cr.)		OUTPUTS 2025-26		OUTCOMES 2025-26		
2025-26	Outputs	Indicators	Targets 2025-26	Outcomes	Indicators	Targets 2025-26
200	1. Commissioning of Bio-Power plants [Non-Bagasse], Briquette/Pellet manufacturing plants and BioCNG [Waste to energy] generation capacity	1.1 Capacity commissioned in Bio-Power [Non-Bagasse Biomass] (MW)	25	1. Electricity, Energy and BioCNG generation from Bio-energy Projects	1.1 Electricity generation (MU per Annum) [Biomass] ¹	131.4
		1.2 Capacity commissioned in Briquette/Pellet manufacturing plants [Biomass] (Tonnes per Hour)	350		1.2 Agri-residue utilized [Biomass] ² (in million tonnes per annum)	2.0
		1.3 Capacity commissioned in BioCNG [Waste to Energy] (MWeg)	125		1.3 BioCNG generation [Waste to Energy] ³ (Lakh Tonnes per Annum)	1.6

¹ Electricity generation for 1 MW cogeneration project (in MUs per Annum) = (1 MW) * (8760 Hours) *(60% PLF) / (10³)

² Agri-residue utilized (in million tonnes per annum) in respect of 1 TPH Briquette/Pellet plant= (1 TPH) * (16 Hrs per day) *(300 days per annum) and the Agri Residue factor of 1.2 is taken for obtaining the quantity of Biomass used in producing Briquettes/Pellets.

³ BioCNG generation (in Lakh Metric Tonnes per Annum) in respect of 1 MWeq BioCNG plant= (4.8 Tonnes per day)*(330 days)*PLF / (10⁵) with assumption: 1 MWeq = 4.8 TPD BioCNG generation; 330 days of annual operation and Avg PLF of 80%

2. Bio Energy Programme(CS) - Biogas Programme

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2025-26			OUTCOMES 2025-26		
	Output	Indicators	Targets 2025-26	Outcome	Indicators	Targets 2025-26 ⁴
95	1. Installation of biogas plants.	1.1 No. of small size Biogas Plants Commissioned ⁵ (Nos.)	25,000	1. Use of biogas as clean cooking fuel.	1.1 Number of Beneficiaries/ individuals benefitted by adopting biogas plants (Nos.)	100,000
		1.2 No. of medium size Biogas Plants Commissioned ⁶ (Nos.)			1.2 Capacity of biogas plants commissioned (kW)	
			15	2. Biogas based thermal energy applications and small power applications		500

⁴ The average household size considered here is 4 people per households

⁵ Small Size Biogas Plant = up to 25 cubic meter biogas generation per day capacity.

⁶ Medium Size Biogas Plant = above 25 to 2500 cubic meter biogas generation per day capacity

3. Supporting Programmes(CS) - Human Resources Development and Training

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2025-26			OUTCOMES 2025-26		
	Output	Indicators	Targets 2025-26	Outcome	Indicators	Targets 2025-26
40	1. Creating skilled manpower for RE sector.	1.1 No. of Technicians/ Persons trained for performance, testing, installation, and maintenance of RE projects (Nos.)	10,000	1. Employment opportunity for trainees.	1.1 Percentage of trainees employed (%)	50

4. Supporting Programmes (CS) - Research and Development

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2025-26			OUTCOMES 2025-26		
	Output	Indicators	Targets 2025-26	Outcome	Indicators	Targets 2025-26
46	1. Support to research projects in the area of Renewable Energy	1.1 No. of research projects supported (Nos.)	10	1. Solar Cell efficiency improvement, Product Development, Demonstration/ Pilot Projects	1.1 Efficiency of perovskite solar cells	24%
					1.2 Efficiency of perovskite-Silicon tandem solar cell	30%
		1.2 No of start-ups supported (Nos.)	3	2. Development of RE products	2.1 No. of products developed (Nos.)	3