

Program on Energy from Urban, Industrial and Agricultural Wastes/Residues for 2017-18, 2018-19 and 2019-20

HIGHLIGHTS

Nodal Agency	State Nodal Agency
Applicable Technologies	<ul style="list-style-type: none"> • Biomethanation, combustion, gasification, pyrolysis, or a combination thereof, or any new technology approved by MNRE. • Biogas projects based either on 100% biogas engines or steam turbines with a minimum steam pressure of 42bar. • Bio-CNG/enriched biogas must meet the BIS specifications as per IS 16087: 2013
Eligibility Conditions	<ul style="list-style-type: none"> • Projects based on any bio-waste unmixed or mixed with other renewable wastes up to 10%, bio-CNG/enriched biogas generation projects. • Biogas generation projects based on distillery effluents and wastes from fossil fuels and waste heat (flue gases) shall not be supported. • Cattle dung-based power generation projects up to 250 kW capacity will not be considered.
Policy Period	2017-18, 2018-19, 2019-20
Policy Goals	<ul style="list-style-type: none"> • Promote setting up of projects for recovery of energy from biogas, bio-CNG, enriched biogas, urban/industrial/agricultural wastes. • Promote use of bio energy for captive power and thermal use.

Central Financial Assistance	Output	Capital Subsidy
	Biogas generation	Rs.1 crore/12,000 cubic meters of biogas per day, subject to maximum Rs.10 crore per project.
	Power generation	Rs.3 crore/MW, subject to maximum Rs.10 crore per project.
	Power generating unit at a prior existing unit	Rs.2 crore/MW, subject to maximum Rs.10 crore per project.
	Bio-CNG/enriched biogas	Rs.4 crore/MW, subject to maximum Rs.10 crore per project.
	Bio-CNG at a prior existing unit	Rs.3 crore/MW, subject to maximum Rs.10 crore per project.
	Gasifier thermal in industries/villages	Rs.2 lakh/300 kW, subject to maximum Rs. 10 crore per project.
	Gasifier electrical in industries/villages	Rs.2,500/kW with dual fuel engine, subject to maximum Rs.10 crore per project. Rs.15,000/kW with 100% gas engine, subject to maximum Rs.10 crore per project.

OTHER PROVISIONS

Implementation arrangement	<ul style="list-style-type: none"> • Implemented through: <ul style="list-style-type: none"> - State nodal agencies - Urban local bodies - Municipal corporations - Private or public sector enterprises or organizations - Energy service companies • Waste to energy project proposals for financial support to be submitted to the ministry through financial institutions. • Gasifier project proposals to be directly submitted to the ministry through SNA. • No DPR is required for gasifier based small off-grid distributed power/thermal projects of size up to 100 kW. 	
Incentives to State Nodal Agency	@1% of the eligible CFA, subject to maximum of Rs.5 lakh per project.	
Incentives for promotional activities	For organizing training courses, business meets, seminars/workshops and publicity/awareness on case-to-case basis, subject to a maximum of Rs.3 lakh per event/activity.	
Release of CFA	Entity	Condition
	Waste-to-energy projects	Successful commissioning of projects (operation for three months), including continuous operation for at least 72 hours at minimum 80% of rated capacity.
	Biomass gasifier	Successful commissioning of projects (operation for three months), including continuous operation for at least 72 hours at minimum 60% of rated capacity.
	State Nodal Agencies	At the time of settlement of account of the project.
Links	https://mnre.gov.in/node?page=6#	
References	https://mnre.gov.in/sites/default/files/schemes/programme_energy-urban-industrial-agriculture-wastes-2017-2020_0.pdf	