



सत्यमेव जयते

Demand No. 71

**Government of India
Ministry of New and Renewable Energy**

**Output Outcome Monitoring Framework 2026-27
(Schemes/Components of outlay less than Rs. 500 Crores)**

Output Outcome Monitoring Framework (OOMF) for the Financial Year 2026-27
Schemes with outlay less than Rs. 500 Crore

Ministry of New and Renewable Energy

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1. Solar Energy: Solar Power (Grid)¹-Viability Gap Funding Schemes (VGF Schemes) (750 MW VGF Scheme, 2000 MW VGF Scheme and 5000 MW VGF Scheme)-(CS)

FINANCIAL OUTLAY (Rs. in Cr.)	OUTPUTS 2026-27			OUTCOMES 2026-27		
	2026-27	Outputs	Indicators	Targets 2026-27	Outcomes	Indicators
190.58	Pending Liability cleared	Funds disbursed (in Rs. Crore)	190.58	Projects completed for pending liabilities	No. of Projects for which pending liabilities have been cleared	14

¹ All sanctioned projects under the 750 MW VGF Scheme, 2000 MW VGF scheme, 5000 MW VGF Scheme have been commissioned, only the pending liabilities (remaining VGF) will be released in FY 2026-27.

2. Solar Energy: Solar Power (Grid)- Rooftop PV & Small Solar Power Generation Programme (RPSSGP) & Demo GBI Scheme-(CS)²

FINANCIAL OUTLAY (Rs. in Cr.)	OUTPUTS 2026-27			OUTCOMES 2026-27		
	2026-27	Outputs	Indicators	Targets 2026-27	Outcomes	Indicators
135	Pending liability cleared	Generation based Incentive (GBI) disbursed (in Rs. Cr.)	135	Funds disbursed	GBI released (in Rs. Cr.)	135

3. Bio Energy Programme- Bio Power – Grid³-(CS)

FINANCIAL OUTLAY (Rs. in Cr.)	OUTPUTS 2026-27			OUTCOMES 2026-27		
	2026-27	Outputs	Indicators	Targets 2026-27	Outcomes	Indicators
30	Commissioning of Municipal Solid Waste (MSW)to Power [Waste to energy] generation capacity	Capacity commissioned in Bio-Power [MSW to Power] (MW)	44.7	Electricity Generation from Bio-power Projects.	Electricity Generation [Million Units (MU) per Annum]	57.93

² All sanctioned projects under RPSSGP Scheme and DEMO GBI scheme have been commissioned. Under the RPSSGP scheme, as committed in the scheme, the GBI has to be released to project developers for 25 years i.e. up to year 2037. In DEMO GBI scheme, as committed in scheme, the GBI has to be released to project developers up to period of 10 years, the pending liability (remaining GBI as final settlement) will be cleared in FY 2026-27.

³ Electricity generation for 1 MW project (in MUs per Annum) = (1 MW) * (No. of operating days) * (24 Hours) *(60% PLF)/ (10³);
No. of operating days during Q1- 360 days, Q2-270 days, Q3-180 days, Q4- 90 days

4. Supporting Programmes: Information & Public Advertising (I&PA)

FINANCIAL OUTLAY (Rs. in Cr.)	OUTPUTS 2026-27			OUTCOMES 2026-27		
	2026-27	Outputs	Indicators	Targets 2026-27	Outcomes	Indicators
8.5	1. To create awareness and disseminate Government of India's plans and programmes in new and renewable energy area to the society at large.	1.1. Publishing advertisement for publicity of various schemes of MNRE	5	1. Improved visibility of Government of India's Renewable Energy programmes	1.1. Number of publicity campaigns and media coverage	5
		1.2. Production & dissemination of audio and videos for publicity of schemes	5		1.2. Annual reports published (Number of Copies)	800
		1.3. Regular monitoring and Updation of social media handles of the Ministry (Number of Posts)	700		1.3. Number of publicity campaigns and media coverage	25
				2. Increased stakeholder engagement (industry, citizens, institutions)	2.1. Social media engagement, event participation, media mentions (Number of Posts)	700

FINANCIAL OUTLAY (Rs. in Cr.)	OUTPUTS 2026-27			OUTCOMES 2026-27		
	2026-27	Outputs	Indicators	Targets 2026-27	Outcomes	Indicators
		1.4. Designing and Publication of Annual Report (Number of Copies)	800	3. Enhanced public awareness of MNRE schemes and Renewable Energy initiatives	3.1. Increase in outreach through print, digital & social media platforms (Number)	32 ⁴
		1.5. Issuance of Press Release, Press briefs	25			
		1.6. Issue of non-financial logo support for events related to Renewable Energy	25 ⁵			
		1.7. Classified advertisement for recruitment of various posts in Employment News and other newspapers (Number of advertisements)	07			

⁴ At least 25 non-financial supports will be provided and 7 Advertisements

⁵ At least 25 non-financial supports will be provided.

5. Supporting Programmes: International Relations

FINANCIAL OUTLAY (Rs. in Cr.)	OUTPUTS 2026-27			OUTCOMES 2026-27			
	2026-27	Outputs	Indicators	Targets 2026-27	Outcomes	Indicators	Targets 2026-27
103.51 ⁶	1.	Data & benchmarking	1.1. Reliable global datasets to benchmark India's progress on RE capacity, costs, and energy transition indicators.	Target not amenable ⁷	1. Promote Affordable Finance Mobilisation for development and deployment of RE along with other member countries of ISA and IRENA and other bilateral partners.	1.1. Increase in the finance mobilized by International Solar Alliance	Target not amenable ⁸
			1.2. Evidence-based reports on renewable integration, grid flexibility, storage, green hydrogen, and RE for agriculture and industry.	Target not amenable ⁹		1.2. Risk-mitigation instruments operational to address the bankability problem	

⁶ The allocated budget is utilised to provide grants to International Renewable Energy Agency (IRENA) and International Solar Alliance (ISA)

⁷ Supporting the creation of reports on these data sets

⁸ To participate actively in the governance meeting of multilateral bodies and organizing bilateral meetings targeting to strengthen India's position as the leader of global south.

⁹ Supporting the creation of reports on these data sets

FINANCIAL OUTLAY (Rs. in Cr.)	OUTPUTS 2026-27			OUTCOMES 2026-27			
	2026-27	Outputs	Indicators	Targets 2026-27	Outcomes	Indicators	Targets 2026-27
	2.	Platforms for consensus and supporting India's leadership	2.1. Global narratives on affordability, energy access, and equity in transition can be shaped in a neutral multilateral setting.	Target not amenable ¹⁰	2. Positioning India as a facilitator of energy transition	2.1. ISA-supported projects operational in LDCs & SIDS	
			2.2. India positioning ISA as a credible, action-oriented multilateral institution headquartered in India.	Target not amenable ¹¹		2.2. High-level references to ISA global events like BRICS	

¹⁰ Strengthening India's image as the leader of Global South

¹¹ Strengthening India's image as the leader of Global South

6. Programme for Wind and other Renewable Energy: Hydro Power-Grid & Hydro Power (Off Grid)-(CS)

FINANCIAL OUTLAY (Rs. in Cr.)	OUTPUTS 2026-27			OUTCOMES 2026-27		
	2026-27	Outputs	Indicators	Targets 2026-27	Outcomes	Indicators
51 ¹²	Commissioning of Small Hydro Power projects	Capacity to be commissioned (MW)	84 ¹³	1. Clean and reliable renewable electricity generation from SHP	1.1. Electricity generation from SHP projects (MU per annum)	147 ¹⁴
				2. Reduction in GHG emissions	2.1. CO ₂ emissions reduction (lakh tonnes per annum)	1.21 ¹⁵

¹² Rs. 50 Crores (Grid), Rs. 1 Crore (Off- Grid)

¹³ Expected commissioning of SHP projects across the Country in FY 2026-27

¹⁴ The Electricity Generation has been worked out by taking average 40% PLF across the Country which is = 84000 (kW) * 8760(hours)* 0.40(PLF)*0.5 (as 84 MW projects will come in complete year, half is taken as average for electricity generation in FY 2026-27) = 147168000 kWh (or Unit) which is 147 MU approx.

¹⁵ Projected emission reductions of a 1 MW SHP project is equivalent to 2880 tonnes. Hence, 84 MW commissioned during FY 2026-27 will reduce= 2880*84*0.5 (as 84 MW projects will come in complete year, half is taken as average for calculation for whole FY 2026-27) = 120960 tonnes which is 1.21 lakhs approx.

7. Bio Energy Programme- Bio Power – Off Grid¹⁶ (CS)

FINANCIAL OUTLAY (Rs. in Cr.)	OUTPUTS 2026-27			OUTCOMES 2026-27		
	2026-27	Outputs	Indicators	Targets 2026-27	Outcomes	Indicators
200	1. Commissioning of Bio-Power plants [Non-Bagasse], Briquette/Pellet manufacturing plants and Bio-CNG [Waste to energy] generation capacity	1.1 Capacity commissioned in Bio-Power [Non-Bagasse Biomass] (MW)	12	1. Electricity, Energy and Bio-CNG Generation from Bio-energy Projects	1.1 Electricity Generation (Million Units per Annum) [Biomass]	34.16
		1.2 Capacity commissioned in Briquette/Pellet manufacturing plants [Biomass] (Tonnes per Hour)	175		1.2 Agri-residue utilized [Biomass] (in million tonnes per annum)	0.6
		1.3 Capacity commissioned in Bio-CNG [Waste to Energy] (Megawatt equivalent)	212		1.3 Bio-CNG generation [Waste to Energy] (Lakh Metric Tonnes per Annum)	1.49

16

1. Electricity generation for 1 MW cogeneration project (in MUs per Annum) = (1 MW) * (no. of operating days) * (24 Hours) *(60% PLF)/(10³); No. of operating days during Q1- 360 days, Q2-270 days, Q3-180 days, Q4- 90 days
2. Agri-residue utilized (in million tonnes per annum) in respect of 1 TPH Briquette/Pellet plant= (1 TPH) * (16 Hrs per day) *(no. of operating days) and the Agri Residue factor of 1.2 is taken for obtaining the quantity of Biomass used in producing Briquettes/Pellets; No. of operating days during Q1- 360 days, Q2-270 days, Q3-180 days, Q4- 90 days
3. Bio-CNG generation (in Lakh Metric Tonnes per Annum) in respect of 1 MWeq Bio-CNG plant= (4.8 Tonnes per day) *(no. of operating days) *0.8/(10⁵); with assumption: 1 MWeq = 4.8 TPD Bio-CNG generation; Avg. PLF of 80%; No. of operating days during Q1- 360 days, Q2-270 days, Q3-180 days, Q4- 90 days
4. The targets are subjected to approval of EFC and continuation of National Bioenergy Programme beyond 31.03.2026

8. Bio Energy Programme- Biogas Programme¹⁷ (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2026-27			OUTCOMES 2026-27		
	2026-27	Output	Indicators	Targets 2026-27	Outcome	Indicators
45	1. Installation of biogas plants.	1.1. Number of Small size Biogas Plants Commissioned	1,00,000	1. Use of biogas as clean cooking fuel.	1.1 Number of Beneficiaries/ individuals benefitted by adopting biogas plants	4,00,000
		1.2. Number of Medium size Biogas Plants Commissioned	30	2. Biogas based thermal energy applications and small power applications	2.1 Capacity of biogas plants commissioned (kW)	3,000

¹⁷ Assumptions: Small Biogas plants- 1 No. of plants is benefiting 4 individuals of a family; Medium Sized Biogas plant- Each plant with 100 KW Capacity

9. Supporting Programmes- Human Resources Development and Training¹⁸ (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2026-27			OUTCOMES 2026-27		
	2026-27	Output	Indicators	Targets 2026-27	Outcome	Indicators
40	Creating skilled manpower for RE sector.	Number of Technicians/ Persons trained for performance, testing, installation, and maintenance of Renewable Energy projects	12,000	Employment opportunity for trainees.	Trainees employed (%)	50

¹⁸ Note: Data of employment is on annual basis as employment figures will be reflected after the submission of data by TPS/TCs which will include pervious year trained data.

10. Supporting Programmes- Research and Development¹⁹ (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2026-27			OUTCOMES 2026-27		
	2026-27	Output	Indicators	Targets 2026-27	Outcome	Indicators
46	1. Support to research projects in the area of Renewable Energy	1.1 Number of Research projects supported	10	1. Solar Cell efficiency improvement, Product Development, Demonstration / Pilot Projects	1.1 Efficiency of perovskite solar cells with higher area (cm ²)	1 ²⁰
					1.2 Efficiency of perovskite-Silicon tandem solar cell with higher area (cm ²)	1 ²¹
		1.2 Number of Start-ups supported	10	2. Development of RE products	2.1 Number of Products developed	4

¹⁹ Note: R&D Scheme is inherently different from standard developmental schemes/programmes, as its core objective is to generate new knowledge, innovations, and long-term technological capacity rather than immediate measurable Outputs. Given the inherent uncertainty of research, long gestation period before results translate into tangible benefits and the challenges in attributing outcomes directly to specific interventions, the conventional Output Outcome Monitoring Framework may not be suitable tool for assessing its performance. Moreover, many of the impacts of R&D such as enhanced scientific capability, fostering innovation ecosystems, or global recognition of national research are qualitative and cannot be adequately captured within fixed, year-on-year metrics.

²⁰ 0.1 cm² to 1cm²

²¹ 0.1 cm² to 1cm²