

1. Solar Power – Grid Interactive Renewable Power (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22				
	2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators	Targets 2021-22	
2,369.13	1. Commissioning of Grid Connected solar power (Ground mounted/ Rooftop) in the country. (Excluding KUSUM)	1.1. Capacity commissioned in Solar Parks (MW)	5,000	1. Electricity Generation from Solar Power projects.	1.1. Solar Energy Generated (BU <sup>1</sup> )	66.60 <sup>2</sup>		
		1.2. Capacity commissioned in Rooftop Solar (MW)	2,000					
		1.3. Capacity commissioned in projects under CPSU scheme (MW)	860					
		1.4. Capacity commissioned in projects under VGF scheme (MW)	0 <sup>3</sup>					
	2. Increased domestic manufacturing of solar panels and solar cells.	2.1. Capacity of Solar Panels and cells manufactured domestically (MW) due to MNRE's DCR Schemes: CPSU Scheme P-II	1,500	2. Reduced import dependency.	2.1. Reduction in value of imports due to domestic manufacturing of solar panels and cells <sup>4</sup> (INR Cr.): CPSU Scheme P-II	2,250		
		2.2. Capacity of Solar Panels and cells manufactured domestically (MW) due to MNRE's DCR Schemes: PM-KUSUM	1,100				2.2. Reduction in value of imports due to domestic manufacturing of solar panels and cells <sup>4</sup> (INR Cr.): PM-KUSUM	1,650
		2.3. Capacity of Solar Panels and cells manufactured	1,500				2.3. Reduction in value of imports due to domestic	2,250

<sup>1</sup> BU = Billion Units

<sup>2</sup> Plant wise generation data not available with CEA, so cumulative generation from all the Grid connected Solar plants is taken as Outcome.

<sup>3</sup> Scheme under revaluation

<sup>4</sup> Reduction in value of imports = Expected Quantity of domestic Solar Modules deployed × Average International Prices (Presently taken as Rs 1.5 crore/MW).

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22			
	2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators	Targets 2021-22
			domestically (MW) due to MNRE's DCR Schemes: Rooftop Solar P-II			manufacturing of solar panels and cells <sup>4</sup> (INR Cr.): Rooftop Solar P-II	

## 2. Kisan Urja Suraksha evam Utthaan Mahabhiyan (KUSUM) – Off-Grid/Distributed and Decentralized Renewable Power (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators
776.30	1. Installation of standalone Solar Powered Agriculture Pumps of individual pump capacity up to 7.5 HP.	1.1. Number of standalone Solar Powered Agriculture Pumps of individual pump capacity up to 7.5 HP installed.	2,00,000	1. Total Generation.	1.1. Generation (BU) <sup>5</sup>	1.60

## 3. Solar Power – Off-Grid/Distributed and Decentralized Renewable Power (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators
237.00	1. Installation of Off-grid and decentralized	1.1. No. of Solar Street Lights Installed	2,00,000	1. Electricity Generation from Off-Grid/ Distributed and	1.1. Energy generated from Off-Grid/ Distributed and	23.75
		1.2. No. of Solar Study Lamps	15,00,000			

<sup>5</sup> Estimated approximate generation in Billion units

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22			
	2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators	Targets 2021-22
	solar power generation capacity.	Distributed			Decentralized Solar Power Systems/ Devices	Decentralized Solar Energy Systems/ Devices (MWeq) <sup>6</sup>	
		1.3. Capacity of Off-grid Solar Power Packs Installed (MW)	5				

#### 4. Green Energy Corridors – Grid Interactive Renewable Power (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators
300.00	1. Construction of Transmission lines in 8 implementing RE rich States.	1.1. Cumulative Intrastate Transmission lines constructed (ckm <sup>7</sup> )	9,000	1. Grid integration of large-scale renewable generation capacity	1.1. Cumulative Renewable Energy Capacity added (MW)	16,000

#### 5. Bio Power – Grid Interactive Renewable Power (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators
120.00	1. Commissioning of Bio-power [Biomass Power]	1.1. Capacity commissioned in Bio-Power [Non-Bagasse Power] (MW)	50	1. Electricity Generation from Bio-Power	1.1. Annual Generation <sup>8</sup> [Biomass Power] (BU <sup>1</sup> )	2

<sup>6</sup> Includes normative figure and not actual figures

<sup>7</sup> ckm = circuit kilometers

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators
	(IPP)/ Bagasse/ Non-Bagasse / Waste to energy] generation capacity.	1.2. Capacity commissioned in Bio-Power [Bagasse Power] (MW)	120	Projects.	1.2. Annual Generation <sup>8</sup> [Bagasse Power] (BU <sup>1</sup> )	11
		1.3. Capacity commissioned in Bio-Power [Waste to Energy] (MW)	30		1.3. Annual Generation <sup>8</sup> [Waste to Energy] (BU <sup>1</sup> )	0.5

#### 6. Biogas Programme - Off-Grid/Distributed and Decentralized Renewable Power (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators
95.00	1. Commissioning of biogas plants.	1.1. No. of small size Biogas Plants Commissioned <sup>9</sup> .	60,000	1. Effective promotion of biogas for clean fuel to meet out the energy requirements in remote, rural, semi-urban areas of the country, including tribal areas	1.1. Amount of biogas generated from the biogas plant (in cubic meter per year) <sup>10</sup>	1,80,00,000

<sup>8</sup> Plant wise generation data not available with CEA. Cumulative generation from all the Bio-power plants commissioned till 2021-2022 is taken as Outcome.

<sup>9</sup> Small Size Biogas Plant = up to 25 cubic meter biogas generation per day capacity.

<sup>10</sup> These are approximate estimated figures and not actuals. The outcomes of the biogas program for 2021-2022 is based on the estimated gas generation from the bio-gas plants that were actually installed in the year 2020-2021.

**7. Human Resources Development and Training – Supporting programmes (CS)**

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators
37.00	1. Creating skilled manpower for RE sector.	1.1. No. of Technicians/ Persons trained for performance, testing, installation, and maintenance of RE projects.	10,000	1. Feedback for the trainings and Percentage of Trainees Employed	1.1. Percentage of trainees' feedback: 6 and above on 10 scale / 60% and above.	60%
					1.2. Percentage of Trainees Employed.	50%

**8. Kisan Urja Suraksha evam Utthaan Mahabhiyan (KUSUM) – Grid Interactive Renewable Power (CS)**

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators
221.00	1. Solarization of Grid-connected Agriculture Pumps of Individual Pump Capacity up to 7.5 HP.	1.1. Number of Grid-connected Agriculture Pumps of Individual Pump Capacity up to 7.5 HP solarized.	12,500	1. Total Generation.	1.1. Generation (BU) <sup>11</sup>	1.82
	2. Setting up of Decentralized Ground Mounted Grid Connected Renewable Power Plants of individual plant size up to 2 MW	2.1. Capacity of Decentralized Ground Mounted Grid Connected Renewable Power Plants of individual plant size up to 2 MW installed (MW)	1,000			

<sup>11</sup> Estimated approximate generation in Billion Units