

MINISTRY OF POWER

Demand No 76

1. Energy Conservation Schemes

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2019-20			OUTCOMES 2019-20		
2019-20	Output	Indicator(s)	Target 2019-20	Outcome	Indicator(s)	Target 2019-20
a. Energy Conservation Schemes: Awareness Component						
30	1. Awareness activities and projects to market energy conservation/awareness.	1.1. No. of energy conservation awareness programme conducted	12	1. Energy Savings	1.1. Saving of Energy (in BU) due to conservation of energy.	19 mtoe (under PAT) and 18.4 BU (under S&L scheme)
		1.2. Number of Painting Competitions held	1 (National Level)			
		1.3. No. of participants in painting competitions	1.1 Crore			
		1.4. No. of DCs covered under National Mission on Enhanced Energy Efficiency	230			
		1.5. No. of trainings done for FIs/ESCOs	2-3 (for FIs) and 1 (for ESCOs)			
		1.6. No. of training/workshops done for DCs	15	1. Energy Savings	1.2. Reduction in Specific Energy Consumption (SEC) among Sector covered under PAT	Target cannot be set ⁹
		1.7. No. of Energy Managers/Energy Auditors certified	150 (Energy Managers) and 250 (Energy Auditors)			
b. Energy Conservation Schemes: National Mission for Enhanced Energy Efficiency (NMEEE)						

⁹ Target in SEC reduction among sector covered under PAT cannot be assessed

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2019-20			OUTCOMES 2019-20		
2019-20	Output	Indicator(s)	Target 2019-20	Outcome	Indicator(s)	Target 2019-20
80	1. Workshops and Certification under Perform, Achieve and Trade (PAT)	1.1. Number of Workshops for Capacity building of stakeholders	30	1.Improved Energy Efficiency/ Savings	1.1 Total units of energy saved (Million tonne of Oil Equivalent)	9.0
		1.2. M&V of DCS under PAT Cycle II covered (in numbers)	621			
		1.3. Inclusion of DCs under PAT Cycle V (in numbers)	110			
		1.4. Certification of Energy Managers /Energy Auditors (in numbers)	1000			
	2.Market Transformation for Energy Efficiency	2.1. Identification and Commercialization of new technology through demonstration (in numbers)	2			
	3.Energy Efficiency Financing Platform	3.1. Capacity building of stakeholders including ESCOs, Banks, Industries etc. (in numbers)	400			

2.Integrated Power Development Scheme (IPDS) (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2019-20			OUTCOMES 2019-20		
	Output	Indicator(s)	Target 2019-20	Outcome	Indicator(s)	Target 2019-20
5280.45	1. End-to-end metering solutions in urban areas, Improved sub- transmission and distribution infrastructure	1.1. Total number of 11 kV feeders and Distribution Transformer (in urban areas) covered with meter installation.	5,000	1. Improved power reliability in urban areas.	1.1. Annual Average monthly outage hours on monitored urban feeders (in hours/month)	5% Reduction ³⁴
		1.2. Consumer Meters installation (in Numbers)	20,00,000			
		1.3. HT line added (in Circuit Km)	5000			
		1.4. Distribution Transformer capacity addition (MVA)	3000			
	2. Award of IPDS projects & Completion of projects*	2.1. Completion of IPDS circles – under IT phase 2 (cumulative)	424	2. Reduction in AT&C losses	2.1. Increase in number of towns where AT&C loss improved w.r.t base level.	5% ³⁵
	3. Go live of towns	3.1. Number of go live towns (cumulative)	600			
	4. RAPDRP Monitoring of energy data through National Power portal.	4.1. Additional Number of feeders monitoring through National Power Portal.	800			

³⁴ The value on 31st March 2019 will be considered the base value. Therefore, 5% reduction in the base value is the achievement.

³⁵ 5% of the total number of notified towns/cities/urban areas on 31st March 2019 is the set performance outcome.

3. Deen Dayal Upadhyay Gram Jyoti Yojna (DDUGJY) (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2019-20			OUTCOMES 2019-20		
2019-20	Output	Indicators	Target 2019-20	Outcome	Indicators	Target 2019-20
4066	1. Feeder separation of agriculture and domestic power supply.	1.1. HT line Feeder Separation including new 11 KV lines (in Circuit Kms)	2,00,000	1 Improved AT&C losses in rural areas	1.1. Annual average AT&C losses in rural areas (in %)	15% ³⁶
	2. Strengthening and augmentation of sub-transmission and distribution infrastructure in rural areas including metering and monitoring of rural feeders/DTs/Consumers.	2.1. No. of Sub-stations Commissioned (New & Augmentation)	1,200	2. Improved power reliability in rural areas	2.1. Annual average monthly outage hours on monitored rural feeders (in hours/month)	* ³⁷
		2.2 No of distribution transformers commissioned	1,40,000			
		2.3 Total number of monitored (online) rural feeders (cumulative)	100,000 ³⁸			

³⁶ With reference to the office memorandum (No. 06/02/2015 – NEF/FRP), ministry predicted to bring down the AT&C losses to 15% by FY 2018-19.

³⁷ Since there is no mechanism available to measure the outage hours on rural feeder and no baseline data is available at the national level (rural India), therefore, the target cannot be set for this year. However, ministry will share the progress data on this outcome indicator.

³⁸ As per the Hon'ble PM's infrastructure review, there are total 100,000 rural feeders and ministry of power has committed to bring all rural feeders under monitoring.

4.Strengthening of Power System (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2019-20			OUTCOMES 2019-20		
2019-20	Output	Indicator(s)	Target 2019-20	Outcome	Indicator(s)	Target 2019-20
1478.04	a. 220 KV Transmission Line from Srinagar to Leh via Kargil					
	1.Physical Progress of the project	1.1. Percentage completion of the project.	Project already commissioned (100% completion) in the FY 2018-19	1. Improved Power Transmission Capacity in the region.	1.1. Increase in power transmission in the region (in MVA OR BU of annual energy transmitted through the transmission project).	150-160 MVA
		1.2. Transmission capacity added due to the commissioning of this project (in MVA)	Project already commissioned (100% completion) in the FY 2018-19. The added transmission capacity is 150 to 160 MVA			
	b. Strengthening of Transmission System in states of Arunanchal Pradesh and Sikkim					
	1. Awarding of packages and their implementation	1.1. No of packages awarded	36 ³⁹ (26 in Arunanchal Pradesh & 10 in Sikkim)	1. Improved Power Transmission Capacity in the region.	1.1 Increase in power transmission in the region (in MVA).	410 MVA
		1.2Percentage progress on the packages awarded.	21% in Arunanchal Pradesh and 34% in Sikkim.			
	c. Power System Improvement in North Eastern States excluding Arunachal Pradesh and Sikkim - NERSIP					
	1.Awardin g of packages and their	1.1 No of packages awarded	All 55 sanctioned packages	1. Improved Power Transmission	1.1. Increase in power transmission in the region (in MVA).	990 MVA

³⁹ Total 36 packages will be awarded out of 43 sanctioned packages (26 in Arunachal Pradesh and 10 packages in Sikkim). 7 packages are kept under hold till the approval of Revised Cost Estimate (RCE)

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2019-20	Output	Indicator(s)	Target 2019-20	Outcome	Indicator(s)	Target 2019-20
	implementati on	1.2 Percentage progress on the packages awarded.	55% (cumulative percentage progress)	Capacity in the region.		
	d. Smart Grid					
	1. Smart Grid pilot project assessment	1.1. Progress on impact assessment of pilots	Assessment of 11 pilot projects	1. Learning from pilot projects (Awareness and adoption of Smart Grids) and knowledge dissemination	1.1. Workshop (Total number of workshops conducted)	Two (2)
	2. Smart Grid Readiness - Self Assessment Tool	2.1. Assessment of utilities	Two (2) utilities	2. Trained professionals in Smart Grid deployment	2.1. No. of training programs	Seven (7) nos.
	3. Award of Smart Grid projects	3.1. Letter of Award	Two (2) projects	2. Deploym ent of Smart Meters in field	3.1. No. of projects	Three (3) nos.
	e. Green Energy Corridor (GEC)					
	1. Construction of Green Energy	1.1 Length of transmission line constructed (in CKMs)	2200	1. Improved management and evacuation of	1.1 Units of RE exported into the grid through the green energy corridors (in GWh/year) OR the	14.8 GW

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2019-20	Output	Indicator(s)	Target 2019-20	Outcome	Indicator(s)	Target 2019-20
	Corridors			renewable energy	Capacity created for the evacuation of Renewable Energy (in GW)	
		1.2 Number of REMC centres established in the financial year.	Nil		1.2 Average Capacity Utilization Factor (CUF) of the renewable energy generating plants (connected with the REMC/GEC)	*40

5. Power System Development Fund (PSDF) (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2019-20			OUTCOMES 2019-20		
2019-20	Output	Indicator(s)	Target 2019-20	Outcome	Indicator(s)	Target 2019-20
1034.71	1. Project execution and commissioning.	1.1. No. of Projects Awarded	140 (Cumulative proposals) ⁴¹	1. Improved fund utilization	1.1. Percentage of funds sanctioned OR total amount of fund sanctioned (in Crore INR)	11,282.39
		1.2. No. of Projects completed	16 (Sixteen Projects) ⁴²		1.2. Percentage/amount of fund utilized (in Crore INR)	6328.80

⁴⁰ Since the Green Energy Corridor (GEC) is a new infrastructure project and REMCs are yet to be commissioned (and there is no baseline data available with the ministry), therefore, the target cannot be set for this year. However, ministry will share the progress data on this outcome indicator.

⁴¹ Total 140 proposals sanctioned for the PSDF funding with a grant amount of INR 11282.39 Crore. Out of these 95 project entities, who have placed contracts (or under the process of

placing the contract), have received a grant of INR 6328.80 Crore and further requisition for 167.04 Crore received from the project entities. 13 Project entities have signed the agreement in FY 2019-20 and are likely to submit their requisition for funds shortly.

⁴² As on date total 13 projects have been completed (supported with a grant of INR 3044.81 Crore). Remaining projects are at different stages of execution