

MINISTRY OF NEW AND RENEWABLE ENERGY

DEMAND NO. 69

Ministry of New and Renewable Energy*(In ₹ crores)*

	Actual 2017-2018			Budget 2018-2019			Revised 2018-2019			Budget 2019-2020		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
Gross	7405.21	51.00	7456.21	5106.23	40.40	5146.63	5106.23	40.40	5146.63	5209.83	45.00	5254.83
Recoveries	-3761.59	-50.00	-3811.59	...	...	...	...	...	...	...	...	...
Receipts	...	...	...	...	...	...	...	...	...	...	...	...
Net	3643.62	1.00	3644.62	5106.23	40.40	5146.63	5106.23	40.40	5146.63	5209.83	45.00	5254.83
A. The Budget allocations, net of recoveries, are given below:												
CENTRE'S EXPENDITURE												
Establishment Expenditure of the Centre												
1. Secretariat	36.82	...	36.82	40.03	...	40.03	42.06	...	42.06	43.38	...	43.38
2. Office Buildings	...	1.00	1.00	...	40.40	40.40	...	40.40	40.40	...	45.00	45.00
Total-Establishment Expenditure of the Centre	36.82	1.00	37.82	40.03	40.40	80.43	42.06	40.40	82.46	43.38	45.00	88.38
Central Sector Schemes/Projects												
Grid Interactive Renewable Power												
3. Transfer to National Clean Energy Fund(NCEF)	3687.84	...	3687.84	...	...	...	...	...	...	...	...	...
4. Wind Power	750.00	...	750.00	750.00	...	750.00	950.00	...	950.00	920.00	...	920.00
5. Small Hydro Power	114.02	...	114.02	207.00	...	207.00	215.70	...	215.70	182.90	...	182.90
6. Bio Power	13.29	...	13.29	25.00	...	25.00	8.50	...	8.50	25.00	...	25.00
7. Solar Power	1001.34	...	1001.34	2045.24	...	2045.24	2157.24	...	2157.24	2479.90	...	2479.90
8. Green Energy Corridors	499.97	...	499.97	600.00	...	600.00	500.00	...	500.00	500.00	...	500.00
9. Energy Storage	...	...	...	0.01	...	0.01	...	...	...	...	...	...
10. Externally Aided Project (EAP) - Component	0.45	...	0.45	7.25	...	7.25	7.25	...	7.25	40.00	...	40.00
11. Interest Payment and Issuing Expenses on the Bonds	126.45	...	126.45	128.00	...	128.00	124.45	...	124.45	124.35	...	124.35
12. Less-Amount met from National Clean Energy Fund (NCEF)	-3637.84	...	-3637.84	...	...	...	...	...	...	...	...	...
Total-Grid Interactive Renewable Power	2555.52	...	2555.52	3762.50	...	3762.50	3963.14	...	3963.14	4272.15	...	4272.15
Off-Grid/Distributed and Decentralized Renewable Power												
13. Wind Power	4.39	...	4.39	7.43	...	7.43	4.48	...	4.48	...	...	...
14. Small Hydro Power	6.39	...	6.39	11.50	...	11.50	2.80	...	2.80	8.00	...	8.00
15. Bio Power	13.22	...	13.22	23.00	...	23.00	39.50	...	39.50	50.00	...	50.00

(In ₹ crores)

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	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
16. Solar Power	888.64	...	888.64	848.50	...	848.50	812.50	...	812.50	525.00	...	525.00
17. Remote Village Electrification (RVE)	...	...	...	0.01	...	0.01	0.01	...	0.01	...	...	...
18. Biogas Programme	67.69	...	67.69	135.00	...	135.00	78.00	...	78.00	100.00	...	100.00
19. Others including Cook Stoves	...	...	...	0.01	...	0.01	0.01	...	0.01	...	...	...
20. Other Renewable Energy Applications (Solar Cities, Green Buildings, Support to States, Demonstration of Renewable Energy Applications, Cookstoves, etc.)	3.80	...	3.80	11.01	...	11.01	2.71	...	2.71	5.00	...	5.00
21. Externally Aided Projects (EAP) - Component	5.97	...	5.97	...	...	...	...	...	...	...	...	...
22. Energy Storage	...	...	...	0.01	...	0.01	...	...	...	...	...	...
23. Central Plan Schemes	...	...	...	0.01	...	0.01	...	...	...	...	...	...
Total-Off-Grid/Distributed and Decentralized Renewable Power	990.10	...	990.10	1036.48	...	1036.48	940.01	...	940.01	688.00	...	688.00
Research, Development and International Cooperation												
24. Research and Development	72.92	...	72.92	94.00	...	94.00	43.00	...	43.00	60.00	...	60.00
25. Energy Storage	...	...	...	0.01	...	0.01	...	...	...	...	...	...
26. New and Innovative Projects, National Centre for New Energy and Innovation (NCNEI), National University of Renewable Energy(NURE), World Renewable Energy Museum(WREM)	...	...	...	0.01	...	0.01	...	...	...	...	...	...
Total-Research, Development and International Cooperation	72.92	...	72.92	94.02	...	94.02	43.00	...	43.00	60.00	...	60.00
Supporting Programmes												
27. Monitoring/Evaluation and Other Studies	...	...	...	0.30	...	0.30	0.15	...	0.15	0.30	...	0.30
28. Information Technology/e-Governance and other Initiatives	0.06	...	0.06	0.10	...	0.10	0.25	...	0.25	1.00	...	1.00
29. Information, Education and Communications	13.25	...	13.25	15.00	...	15.00	10.00	...	10.00	10.00	...	10.00
30. International Relations - International Co-operation including Investment Promotion and Assistance to International Solar Alliance	16.62	...	16.62	56.60	...	56.60	26.60	...	26.60	30.00	...	30.00
31. Human Resources Development and Training	43.44	...	43.44	60.00	...	60.00	60.00	...	60.00	70.00	...	70.00
32. New & Innovative Projects, National Centre for New Energy and Innovation (NCNEI), National University of Renewable Energy(NURE), World Renewable Energy Museum(WREM)	...	...	...	0.20	...	0.20	0.02	...	0.02	...	...	...
Total-Supporting Programmes	73.37	...	73.37	132.20	...	132.20	97.02	...	97.02	111.30	...	111.30
Total-Central Sector Schemes/Projects	3691.91	...	3691.91	5025.20	...	5025.20	5043.17	...	5043.17	5131.45	...	5131.45
Other Central Sector Expenditure												
Autonomous Bodies												
33. National Institute of Wind Energy	23.00	...	23.00	20.00	...	20.00	...	...	...	17.00	...	17.00
34. National Institute of Bio Energy	1.00	...	1.00	3.00	...	3.00	3.00	...	3.00	3.00	...	3.00
35. National Institute of Solar Energy	14.64	...	14.64	18.00	...	18.00	18.00	...	18.00	15.00	...	15.00
Total-Autonomous Bodies	38.64	...	38.64	41.00	...	41.00	21.00	...	21.00	35.00	...	35.00

(In ₹ crores)

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	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
Public Sector Undertakings												
36. Solar Energy Corporation of India (SECI)	...	50.00	50.00	...	...	...	...	...	...	...	...	...
37. Less-Amount met from National Clean Energy Fund (NCEF)	...	-50.00	-50.00	...	...	...	...	...	...	...	...	...
Total-Public Sector Undertakings	...	...	...	...	...	...	...	...	...	...	...	...
Others												
38. Deduct Recovery of over Payment	-123.75	...	-123.75	...	...	...	...	...	...	...	...	...
Total-Other Central Sector Expenditure	-85.11	...	-85.11	41.00	...	41.00	21.00	...	21.00	35.00	...	35.00
Grand Total	3643.62	1.00	3644.62	5106.23	40.40	5146.63	5106.23	40.40	5146.63	5209.83	45.00	5254.83
B. Developmental Heads												
Economic Services												
1. New and Renewable Energy	3606.80	...	3606.80	4561.67	...	4561.67	4559.64	...	4559.64	4653.45	...	4653.45
2. Secretariat-Economic Services	36.82	...	36.82	40.03	...	40.03	42.06	...	42.06	43.38	...	43.38
3. Capital Outlay on New and Renewable Energy	...	1.00	1.00	...	40.40	40.40	...	40.40	40.40	...	45.00	45.00
Total-Economic Services	3643.62	1.00	3644.62	4601.70	40.40	4642.10	4601.70	40.40	4642.10	4696.83	45.00	4741.83
Others												
4. North Eastern Areas	...	...	...	504.53	...	504.53	504.53	...	504.53	513.00	...	513.00
Total-Others	...	...	...	504.53	...	504.53	504.53	...	504.53	513.00	...	513.00
Grand Total	3643.62	1.00	3644.62	5106.23	40.40	5146.63	5106.23	40.40	5146.63	5209.83	45.00	5254.83
C. Investment in Public Enterprises												
1. Indian Renewable Energy Development Agency	...	10324.07	10324.07	...	10099.41	10099.41	...	10557.81	10557.81	...	12053.57	12053.57
2. Solar Energy Corporation of India	50.00	167.20	217.20	...	217.43	217.43	...	277.33	277.33	...	300.24	300.24
Total	50.00	10491.27	10541.27	...	10316.84	10316.84	...	10835.14	10835.14	...	12353.81	12353.81

1. **Secretariat:** Provision is for Secretariat expenditure.
2. **Office Buildings:** Provision is for Major Works Construction of Office Building: Atal Akshay Urja Bhawan.
4. **Wind Power:** The amount is for past liability for GBI scheme which has been discontinued from 1st April, 2017. Capacity of 4 GW Wind Power will be commissioned in 2019-20.
5. **Small Hydro Power:** The amount will be utilised for clearing pending liabilities. Capacity of 0.1 GW hydropower in will be commissioned 2019-20.
6. **Bio Power:** Provision of CFA will be utilised for capacity addition of 0.3 GW Bio Power in 2019-20.
7. **Solar Power:** Provision of CFA will be utilised for capacity addition of 7500 MW Solar Power in 2019-20.
8. **Green Energy Corridors:** Green Energy Corridor: Provision of CFA will be utilised for capacity addition of Cumulative 6000ckm transmission infrastructure under intra state Green Energy Corridor project in 2019-20.
10. **Externally Aided Project (EAP) - Component:** Promotion of two projects namely:
 - (i) UNDP/GEF project on scale up of Access to Clean Energy for Rural productive uses: project Activities related to access to energy for increasing livelihood of the poor in remote villages in UNDAF states.
 - (ii) IGEN- Access under Indo-German Bilateral Program: project activities related to development of conducive environment and removing market barriers for rural energy enterprises to prosper and provide energy and energy products/services.
11. **Interest Payment and Issuing Expenses on the Bonds:** Interest Payments and Issuing Expenses: Payment of interest towards bonds issued/to be issued by IREDA for Implementation of RE Projects.
14. **Small Hydro Power:** The amount will be utilised for clearing pending liabilities.
15. **Bio Power:** Provision of CFA will be utilised for capacity addition of 30MWeq off-Grid/Distributed Bio Power in 2019-20.
16. **Solar Power:** Implementation of Ph-III of the off-grid solar PV programme, which covers installation of 3 lakh solar street lights, distribution of 25 lakh solar study lamps and installation of solar power packs of total aggregated capacity of 100 MWp. In addition, under AJAY Ph-II over 3 lakh solar street lights would be installed. Further 20MWeq Projects of Concentrated Solar Thermal (CST) will be undertaken.
18. **Biogas Programme:** To install one lakh bio gas plants for providing alternate cooking fuel solutions.
20. **Other Renewable Energy Applications (Solar Cities, Green Buildings, Support to States, Demonstration of Renewable Energy Applications, Cookstoves, etc.):** Other Renewable Energy Application (Solar cities Green Buildings etc. including Support to states, Demonstration of Renewable Energy Application, Cook-Stove etc.): To support States for creation of suitable Framework for promoting energy efficiency and conservation & Accessibility to clean Energy for domestic usage.
24. **Research and Development:** R&D Projects are continuous in nature. Projects in different RE sectors will be undertaken in each year up to 2021.
27. **Monitoring/Evaluation and Other Studies:** To Carry out Evaluation and other Studies in Renewable Energy Sector.
28. **Information Technology/e-Governance and other Initiatives:** For creating e-Governance infrastructure in offices and its operation & maintenance.
29. **Information, Education and Communications:** Demonstration of RE applications, Information to Public and education institutions for creating awareness among the public.
30. **International Relations - International Co-operation including Investment Promotion and Assistance to International Solar Alliance:** International cooperation including investment promotion and assistance to international Soar Alliance Building and Secretariat Establishment.
31. **Human Resources Development and Training:** Support for short term training Programmes including Suryamitra, National Renewable Energy Science fellowship, Nation Renewable Energy Science fellowship, up gradation of labs, library facilities, development of course modules etc.
33. **National Institute of Wind Energy:** Support to Autonomous Institution for capacity and infrastructure development.
34. **National Institute of Bio Energy:** Support to Autonomous Institution for capacity and infrastructure development.
35. **National Institute of Solar Energy:** Support to Autonomous Institution for capacity and infrastructure development.