

**MINISTRY OF NEW AND RENEWABLE ENERGY**

DEMAND NO. 67

**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	...	...	...	...	...	...	...	...	...	...	...	...
<b>Net</b>	<b>3643.62</b>	<b>1.00</b>	<b>3644.62</b>	<b>5106.23</b>	<b>40.40</b>	<b>5146.63</b>	<b>5106.23</b>	<b>40.40</b>	<b>5146.63</b>	<b>5209.83</b>	<b>45.00</b>	<b>5254.83</b>
A. The Budget allocations, net of recoveries, are given below:												
<b>CENTRE'S EXPENDITURE</b>												
<b>Establishment Expenditure of the Centre</b>												
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
<b>Total-Establishment Expenditure of the Centre</b>	<b>36.82</b>	<b>1.00</b>	<b>37.82</b>	<b>40.03</b>	<b>40.40</b>	<b>80.43</b>	<b>42.06</b>	<b>40.40</b>	<b>82.46</b>	<b>43.38</b>	<b>45.00</b>	<b>88.38</b>
<b>Central Sector Schemes/Projects</b>												
<b>Grid Interactive Renewable Power</b>												
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	720.00	...	720.00
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	700.00	...	700.00
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	...	...	...	...	...	...	...	...	...
<b>Total-Grid Interactive Renewable Power</b>	<b>2555.52</b>	<b>...</b>	<b>2555.52</b>	<b>3762.50</b>	<b>...</b>	<b>3762.50</b>	<b>3963.14</b>	<b>...</b>	<b>3963.14</b>	<b>4272.15</b>	<b>...</b>	<b>4272.15</b>
<b>Off-Grid/Distributed and Decentralized Renewable Power</b>												
13. Transfer to National Clean Energy Fund (NCEF)	...	...	...	...	...	...	...	...	...	...	...	...
14. Wind Power	4.39	...	4.39	7.43	...	7.43	4.48	...	4.48	...	...	...
15. Small Hydro Power	6.39	...	6.39	11.50	...	11.50	2.80	...	2.80	8.00	...	8.00

(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
16. Bio Power	13.22	...	13.22	23.00	...	23.00	39.50	...	39.50	50.00	...	50.00
17. Solar Power	888.64	...	888.64	848.50	...	848.50	812.50	...	812.50	525.00	...	525.00
18. Remote Village Electrification (RVE)	...	...	...	0.01	...	0.01	0.01	...	0.01	...	...	...
19. Biogas Programme	67.69	...	67.69	135.00	...	135.00	78.00	...	78.00	100.00	...	100.00
20. Others including Cook Stoves	...	...	...	0.01	...	0.01	0.01	...	0.01	...	...	...
21. 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
22. Externally Aided Projects (EAP) - Component	5.97	...	5.97	...	...	...	...	...	...	...	...	...
23. Energy Storage	...	...	...	0.01	...	0.01	...	...	...	...	...	...
24. Central Plan Schemes	...	...	...	0.01	...	0.01	...	...	...	...	...	...
25. Less-Amount met from National Clean Energy Fund (NCEF)	...	...	...	...	...	...	...	...	...	...	...	...
<b>Total-Off-Grid/Distributed and Decentralized Renewable Power</b>	<b>990.10</b>	...	<b>990.10</b>	<b>1036.48</b>	...	<b>1036.48</b>	<b>940.01</b>	...	<b>940.01</b>	<b>688.00</b>	...	<b>688.00</b>
<b>Research, Development and International Cooperation</b>												
26. Transfer to National Clean Energy Fund(NCEF)	...	...	...	...	...	...	...	...	...	...	...	...
27. Research and Development	72.92	...	72.92	94.00	...	94.00	43.00	...	43.00	60.00	...	60.00
28. Energy Storage	...	...	...	0.01	...	0.01	...	...	...	...	...	...
29. 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	...	...	...	...	...	...
30. Less-Amount met from National Clean Energy Fund (NCEF)	...	...	...	...	...	...	...	...	...	...	...	...
<b>Total-Research, Development and International Cooperation</b>	<b>72.92</b>	...	<b>72.92</b>	<b>94.02</b>	...	<b>94.02</b>	<b>43.00</b>	...	<b>43.00</b>	<b>60.00</b>	...	<b>60.00</b>
<b>Supporting Programmes</b>												
31. Transfer to National Clean Energy Fund (NCEF)	...	...	...	...	...	...	...	...	...	...	...	...
32. Monitoring/Evaluation and Other Studies	...	...	...	0.30	...	0.30	0.15	...	0.15	0.30	...	0.30
33. Information Technology/e-Governance and other Initiatives	0.06	...	0.06	0.10	...	0.10	0.25	...	0.25	1.00	...	1.00
34. Information, Education and Communications	13.25	...	13.25	15.00	...	15.00	10.00	...	10.00	10.00	...	10.00
35. 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
36. Human Resources Development and Training	43.44	...	43.44	60.00	...	60.00	60.00	...	60.00	70.00	...	70.00
37. 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	...	...	...
38. Less Amount met from National Clean Energy Fund (NCEF)	...	...	...	...	...	...	...	...	...	...	...	...
<b>Total-Supporting Programmes</b>	<b>73.37</b>	...	<b>73.37</b>	<b>132.20</b>	...	<b>132.20</b>	<b>97.02</b>	...	<b>97.02</b>	<b>111.30</b>	...	<b>111.30</b>
<b>Total-Central Sector Schemes/Projects</b>	<b>3691.91</b>	...	<b>3691.91</b>	<b>5025.20</b>	...	<b>5025.20</b>	<b>5043.17</b>	...	<b>5043.17</b>	<b>5131.45</b>	...	<b>5131.45</b>

(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
<b>Other Central Sector Expenditure</b>												
<b>Autonomous Bodies</b>												
39. National Institute of Wind Energy	23.00	...	23.00	20.00	...	20.00	...	...	...	17.00	...	17.00
40. National Institute of Bio Energy	1.00	...	1.00	3.00	...	3.00	3.00	...	3.00	3.00	...	3.00
41. National Institute of Solar Energy	14.64	...	14.64	18.00	...	18.00	18.00	...	18.00	15.00	...	15.00
<b>Total-Autonomous Bodies</b>	<b>38.64</b>	...	<b>38.64</b>	<b>41.00</b>	...	<b>41.00</b>	<b>21.00</b>	...	<b>21.00</b>	<b>35.00</b>	...	<b>35.00</b>
<b>Public Sector Undertakings</b>												
42. Transfer to National Clean Energy Fund (NCEF)	...	...	...	...	...	...	...	...	...	...	...	...
43. Solar Energy Corporation of India (SECI)	...	50.00	50.00	...	...	...	...	...	...	...	...	...
44. Less-Amount met from National Clean Energy Fund (NCEF)	...	-50.00	-50.00	...	...	...	...	...	...	...	...	...
<b>Total-Public Sector Undertakings</b>	...	...	...	...	...	...	...	...	...	...	...	...
<b>Others</b>												
45. Deduct Recovery of over Payment	-123.75	...	-123.75	...	...	...	...	...	...	...	...	...
<b>Total-Other Central Sector Expenditure</b>	<b>-85.11</b>	...	<b>-85.11</b>	<b>41.00</b>	...	<b>41.00</b>	<b>21.00</b>	...	<b>21.00</b>	<b>35.00</b>	...	<b>35.00</b>
<b>Grand Total</b>	<b>3643.62</b>	<b>1.00</b>	<b>3644.62</b>	<b>5106.23</b>	<b>40.40</b>	<b>5146.63</b>	<b>5106.23</b>	<b>40.40</b>	<b>5146.63</b>	<b>5209.83</b>	<b>45.00</b>	<b>5254.83</b>
<b>B. Developmental Heads</b>												
<b>Economic Services</b>												
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
<b>Total-Economic Services</b>	<b>3643.62</b>	<b>1.00</b>	<b>3644.62</b>	<b>4601.70</b>	<b>40.40</b>	<b>4642.10</b>	<b>4601.70</b>	<b>40.40</b>	<b>4642.10</b>	<b>4696.83</b>	<b>45.00</b>	<b>4741.83</b>
<b>Others</b>												
4. North Eastern Areas	...	...	...	504.53	...	504.53	504.53	...	504.53	513.00	...	513.00
5. Grants-in-aid to State Governments	...	...	...	...	...	...	...	...	...	...	...	...
<b>Total-Others</b>	...	...	...	<b>504.53</b>	...	<b>504.53</b>	<b>504.53</b>	...	<b>504.53</b>	<b>513.00</b>	...	<b>513.00</b>
<b>Grand Total</b>	<b>3643.62</b>	<b>1.00</b>	<b>3644.62</b>	<b>5106.23</b>	<b>40.40</b>	<b>5146.63</b>	<b>5106.23</b>	<b>40.40</b>	<b>5146.63</b>	<b>5209.83</b>	<b>45.00</b>	<b>5254.83</b>
<b>C. Investment in Public Enterprises</b>												

	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total
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
<b>Total</b>	<b>50.00</b>	<b>10491.27</b>	<b>10541.27</b>	<b>...</b>	<b>10316.84</b>	<b>10316.84</b>	<b>...</b>	<b>10835.14</b>	<b>10835.14</b>	<b>...</b>	<b>12353.81</b>	<b>12353.81</b>

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:** 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:** Bio Power: Provision of CFA will be utilised for capacity addition of 0.3 GW Bio Power in 2019-20.
7. **Solar Power:** 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 6000ckmtransmission infrastructure under intra state Green Energy Corridorproject 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.
15. **Small Hydro Power:** Hydro Power: The amount will be utilised for clearing pending liabilities.
16. **Bio Power:** Bio Power: Provision of CFA will be utilised for capacity addition of 30MWeq off-Grid/Distributed Bio Power in 2019-20.
17. **Solar Power:** 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.
19. **Biogas Programme:** To install one lakh bio gas plants for providing alternate cooking fuel solutions.
21. **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.
27. **Research and Development:** Research & DevelopmentActivities: R&D Projects are continuous in nature. Projects in different RE sectors will be undertaken in each year up to 2021.
32. **Monitoring/Evaluation and Other Studies:** Monitoring/Evaluation and Other Studies: To Carry out Evaluation and other Studies in Renewable Energy Sector.
33. **Information Technology/e-Governance and other Initiatives:** Information Technology/e-Governance and other initiatives: For creating e-Governance infrastructure in offices and its operation & maintenance.
34. **Information, Education and Communications:** Information, Education and Communication: Demonstration of RE applications, Information to Public and education institutions for creating awareness among the public.
35. **International Relations - International Co-operation including Investment Promotion and Assistance to International Solar Alliance:** International Relations: International cooperation including investment promotion and assistance to international Soar Alliance Building and Secretariat Establishment.
36. **Human Resources Development and Training:** 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.

39. **National Institute of Wind Energy:** Support to Autonomous Institution for capacity and infrastructure development.

40. **National Institute of Bio Energy:** Support to Autonomous Institution for capacity and infrastructure development.

41. **National Institute of Solar Energy:** Support to Autonomous Institution for capacity and infrastructure development.