

**MINISTRY OF NEW AND RENEWABLE ENERGY**

DEMAND NO. 67

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

	Actual 2016-2017			Budget 2017-2018			Revised 2017-2018			Budget 2018-2019		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
Gross	7643.52	110.63	7754.15	10724.54	90.00	10814.54	8022.00	51.00	8073.00	5106.23	40.40	5146.63
Recoveries	-3825.19	-100.00	-3925.19	-5291.70	-50.00	-5341.70	-3943.00	-50.00	-3993.00	...	...	...
Receipts	...	...	...	...	...	...	...	...	...	...	...	...
<b>Net</b>	<b>3818.33</b>	<b>10.63</b>	<b>3828.96</b>	<b>5432.84</b>	<b>40.00</b>	<b>5472.84</b>	<b>4079.00</b>	<b>1.00</b>	<b>4080.00</b>	<b>5106.23</b>	<b>40.40</b>	<b>5146.63</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	34.61	...	34.61	36.54	...	36.54	39.40	...	39.40	40.03	...	40.03
2. Office Buildings	...	10.63	10.63	...	40.00	40.00	...	1.00	1.00	...	40.40	40.40
<b>Total-Establishment Expenditure of the Centre</b>	<b>34.61</b>	<b>10.63</b>	<b>45.24</b>	<b>36.54</b>	<b>40.00</b>	<b>76.54</b>	<b>39.40</b>	<b>1.00</b>	<b>40.40</b>	<b>40.03</b>	<b>40.40</b>	<b>80.43</b>
<b>Central Sector Schemes/Projects</b>												
<b>Grid Interactive Renewable Power</b>												
3. Transfer to National Clean Energy Fund(NCEF)	2824.23	...	2824.23	4034.50	...	4034.50	2631.10	...	2631.10	...	...	...
4. Wind Power	488.95	...	488.95	400.00	...	400.00	750.00	...	750.00	750.00	...	750.00
5. Small Hydro Power	112.00	...	112.00	121.50	...	121.50	114.00	...	114.00	207.00	...	207.00
6. Bio Power	16.30	...	16.30	33.00	...	33.00	21.50	...	21.50	25.00	...	25.00
7. Solar Power	1992.32	...	1992.32	2661.00	...	2661.00	1117.10	...	1117.10	2045.24	...	2045.24
8. Green Energy Corridors	200.00	...	200.00	500.00	...	500.00	500.00	...	500.00	600.00	...	600.00
9. Information, Education and Communication	12.70	...	12.70	...	...	...	...	...	...	...	...	...
10. Demonstration of Renewable Energy Applications	1.96	...	1.96	...	...	...	...	...	...	...	...	...
11. Energy Storage	...	...	...	...	...	...	...	...	...	0.01	...	0.01
12. Externally Aided Project (EAP) - Component	...	...	...	39.00	...	39.00	0.50	...	0.50	7.25	...	7.25
13. Interest Payment and Issuing Expenses on the Bonds	...	...	...	280.00	...	280.00	128.00	...	128.00	128.00	...	128.00
14. Less-Amount met from National Clean Energy Fund (NCEF)	-2824.23	...	-2824.23	-4034.50	...	-4034.50	-2631.10	...	-2631.10	...	...	...
<b>Total-Grid Interactive Renewable Power</b>	<b>2824.23</b>	<b>...</b>	<b>2824.23</b>	<b>4034.50</b>	<b>...</b>	<b>4034.50</b>	<b>2631.10</b>	<b>...</b>	<b>2631.10</b>	<b>3762.50</b>	<b>...</b>	<b>3762.50</b>
<b>Off-Grid/Distributed and Decentralized Renewable Power</b>												
15. Transfer to National Clean Energy Fund (NCEF)	689.84	...	689.84	918.20	...	918.20	1120.90	...	1120.90	...	...	...

(In ₹ crores)

	Actual 2016-2017			Budget 2017-2018			Revised 2017-2018			Budget 2018-2019		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
16. Wind Power	2.38	...	2.38	8.00	...	8.00	4.90	...	4.90	7.43	...	7.43
17. Small Hydro Power	10.00	...	10.00	13.00	...	13.00	6.00	...	6.00	11.50	...	11.50
18. Bio Power	15.16	...	15.16	43.00	...	43.00	20.00	...	20.00	23.00	...	23.00
19. Solar Power	548.83	...	548.83	700.00	...	700.00	985.00	...	985.00	848.50	...	848.50
20. Remote Village Electrification (RVE)	24.13	...	24.13	...	...	...	...	...	...	0.01	...	0.01
21. Biogas Programme	78.64	...	78.64	134.00	...	134.00	94.00	...	94.00	135.00	...	135.00
22. Others including Cook Stoves	0.45	...	0.45	...	...	...	...	...	...	0.01	...	0.01
23. Other Renewable Energy Applications (Solar Cities, Green Buildings, Support to States, Demonstration of Renewable Energy Applications, Cookstoves, etc.)	4.25	...	4.25	14.20	...	14.20	5.00	...	5.00	11.01	...	11.01
24. Externally Aided Projects (EAP) - Component	6.00	...	6.00	6.00	...	6.00	6.00	...	6.00	...	...	...
25. Energy Storage	...	...	...	...	...	...	...	...	...	0.01	...	0.01
26. Central Plan Schemes	...	...	...	...	...	...	...	...	...	0.01	...	0.01
27. Less-Amount met from National Clean Energy Fund (NCEF)	-689.84	...	-689.84	-918.20	...	-918.20	-1120.90	...	-1120.90	...	...	...
<b>Total-Off-Grid/Distributed and Decentralized Renewable Power</b>	<b>689.84</b>	...	<b>689.84</b>	<b>918.20</b>	...	<b>918.20</b>	<b>1120.90</b>	...	<b>1120.90</b>	<b>1036.48</b>	...	<b>1036.48</b>
<b>Research, Development and International Cooperation</b>												
28. Transfer to National Clean Energy Fund(NCEF)	221.94	...	221.94	144.00	...	144.00	81.00	...	81.00	...	...	...
29. Research and Development	...	...	...	144.00	...	144.00	81.00	...	81.00	94.00	...	94.00
30. Bio Energy	4.26	...	4.26	...	...	...	...	...	...	...	...	...
31. Solar Energy	49.43	...	49.43	...	...	...	...	...	...	...	...	...
32. Small Hydro Power	2.70	...	2.70	...	...	...	...	...	...	...	...	...
33. New Technologies	3.64	...	3.64	...	...	...	...	...	...	...	...	...
34. Wind Energy	0.76	...	0.76	...	...	...	...	...	...	...	...	...
35. International Relations -International Co-operation including Investment Promotion and Assistance to International Solar Alliance	123.28	...	123.28	...	...	...	...	...	...	...	...	...
36. Human Resource Development and Training	42.76	...	42.76	...	...	...	...	...	...	...	...	...
37. Energy Storage	...	...	...	...	...	...	...	...	...	0.01	...	0.01
38. 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
39. Less-Amount met from National Clean Energy Fund (NCEF)	-221.94	...	-221.94	-144.00	...	-144.00	-81.00	...	-81.00	...	...	...
<b>Total-Research, Development and International Cooperation</b>	<b>226.83</b>	...	<b>226.83</b>	<b>144.00</b>	...	<b>144.00</b>	<b>81.00</b>	...	<b>81.00</b>	<b>94.02</b>	...	<b>94.02</b>
<b>Supporting Programmes</b>												
40. Transfer to National Clean Energy Fund (NCEF)	...	...	...	195.00	...	195.00	110.00	...	110.00	...	...	...
41. Monitoring/Evaluation and Other Studies	...	...	...	15.00	...	15.00	...	...	...	0.30	...	0.30
42. Information Technology/e-Governance and other Initiatives	...	...	...	0.10	...	0.10	0.10	...	0.10	0.10	...	0.10

(In ₹ crores)

	Actual 2016-2017			Budget 2017-2018			Revised 2017-2018			Budget 2018-2019		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
43. Information, Education and Communications	...	...	...	20.00	...	20.00	15.00	...	15.00	15.00	...	15.00
44. International Relations - International Co-operation including Investment Promotion and Assistance to International Solar Alliance	...	...	...	76.60	...	76.60	21.60	...	21.60	56.60	...	56.60
45. Human Resources Development and Training	...	...	...	70.00	...	70.00	70.00	...	70.00	60.00	...	60.00
46. New & Innovative Projects, National Centre for New Energy and Innovation (NCNEI), National University of Renewable Energy(NURE), World Renewable Energy Museum(WREM)	...	...	...	14.90	...	14.90	4.90	...	4.90	0.20	...	0.20
47. Less Amount met from National Clean Energy Fund (NCEF)	...	...	...	-195.00	...	-195.00	-110.00	...	-110.00	...	...	...
<b>Total-Supporting Programmes</b>	...	...	...	<b>196.60</b>	...	<b>196.60</b>	<b>111.60</b>	...	<b>111.60</b>	<b>132.20</b>	...	<b>132.20</b>
<b>Total-Central Sector Schemes/Projects</b>	<b>3740.90</b>	...	<b>3740.90</b>	<b>5293.30</b>	...	<b>5293.30</b>	<b>3944.60</b>	...	<b>3944.60</b>	<b>5025.20</b>	...	<b>5025.20</b>
<b>Other Central Sector Expenditure</b>												
<b>Autonomous Bodies</b>												
48. National Institute of Wind Energy	25.00	...	25.00	25.00	...	25.00	23.00	...	23.00	20.00	...	20.00
49. National Institute of Bio Energy	...	...	...	8.00	...	8.00	2.00	...	2.00	3.00	...	3.00
50. National Institute of Solar Energy	7.00	...	7.00	20.00	...	20.00	20.00	...	20.00	18.00	...	18.00
<b>Total-Autonomous Bodies</b>	<b>32.00</b>	...	<b>32.00</b>	<b>53.00</b>	...	<b>53.00</b>	<b>45.00</b>	...	<b>45.00</b>	<b>41.00</b>	...	<b>41.00</b>
<b>Public Sector Undertakings</b>												
51. Transfer to National Clean Energy Fund (NCEF)	100.00	...	100.00	50.00	...	50.00	50.00	...	50.00	...	...	...
52. Solar Energy Corporation of India (SECI)	...	100.00	100.00	...	50.00	50.00	...	50.00	50.00	...	...	...
53. Less-Amount met from National Clean Energy Fund (NCEF)	...	-100.00	-100.00	...	-50.00	-50.00	...	-50.00	-50.00	...	...	...
<b>Total-Public Sector Undertakings</b>	<b>100.00</b>	...	<b>100.00</b>	<b>50.00</b>	...	<b>50.00</b>	<b>50.00</b>	...	<b>50.00</b>	...	...	...
<b>Others</b>												
54. Deduct Recovery of over Payment	-89.18	...	-89.18	...	...	...	...	...	...	...	...	...
<b>Total-Other Central Sector Expenditure</b>	<b>42.82</b>	...	<b>42.82</b>	<b>103.00</b>	...	<b>103.00</b>	<b>95.00</b>	...	<b>95.00</b>	<b>41.00</b>	...	<b>41.00</b>
<b>Grand Total</b>	<b>3818.33</b>	<b>10.63</b>	<b>3828.96</b>	<b>5432.84</b>	<b>40.00</b>	<b>5472.84</b>	<b>4079.00</b>	<b>1.00</b>	<b>4080.00</b>	<b>5106.23</b>	<b>40.40</b>	<b>5146.63</b>
<b>B. Developmental Heads</b>												
<b>Economic Services</b>												
1. New and Renewable Energy	3783.72	...	3783.72	4871.30	...	4871.30	3645.60	...	3645.60	4561.67	...	4561.67
2. Secretariat-Economic Services	34.61	...	34.61	36.54	...	36.54	39.40	...	39.40	40.03	...	40.03
3. Capital Outlay on New and Renewable Energy	...	10.63	10.63	...	40.00	40.00	...	1.00	1.00	...	40.40	40.40
<b>Total-Economic Services</b>	<b>3818.33</b>	<b>10.63</b>	<b>3828.96</b>	<b>4907.84</b>	<b>40.00</b>	<b>4947.84</b>	<b>3685.00</b>	<b>1.00</b>	<b>3686.00</b>	<b>4601.70</b>	<b>40.40</b>	<b>4642.10</b>
<b>Others</b>												

(In ₹ crores)

	Actual 2016-2017			Budget 2017-2018			Revised 2017-2018			Budget 2018-2019		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
4. North Eastern Areas	...	...	...	525.00	...	525.00	394.00	...	394.00	504.53	...	504.53
5. Grants-in-aid to State Governments	...	...	...	...	...	...	...	...	...	...	...	...
<b>Total-Others</b>	...	...	...	<b>525.00</b>	...	<b>525.00</b>	<b>394.00</b>	...	<b>394.00</b>	<b>504.53</b>	...	<b>504.53</b>
<b>Grand Total</b>	<b>3818.33</b>	<b>10.63</b>	<b>3828.96</b>	<b>5432.84</b>	<b>40.00</b>	<b>5472.84</b>	<b>4079.00</b>	<b>1.00</b>	<b>4080.00</b>	<b>5106.23</b>	<b>40.40</b>	<b>5146.63</b>
<b>C. Investment in Public Enterprises</b>												
1. Indian Renewable Energy Development Agency	...	8542.25	8542.25	...	8043.31	8043.31	...	9287.16	9287.16	...	10099.41	10099.41
2. Solar Energy Corporation of India	100.00	98.56	198.56	50.00	200.42	250.42	50.00	178.54	228.54	...	217.43	217.43
<b>Total</b>	<b>100.00</b>	<b>8640.81</b>	<b>8740.81</b>	<b>50.00</b>	<b>8243.73</b>	<b>8293.73</b>	<b>50.00</b>	<b>9465.70</b>	<b>9515.70</b>	...	<b>10316.84</b>	<b>10316.84</b>

1. Secretariat : Provision is for Secretariat Expenditure.

2. Office Buildings: Provision is for Major Works Construction of Office Buildings Atal Akshay Urja Bhawan.

4. Wind Power: Provision will be used for Wind Power (Generation Based Incentive) Projects and capacity of 4 GW is likely to be installed during 2018-19.

5. **Small Hydro Power:** It includes setting up of new small hydro power projects and renovation and modernization of small hydro projects.

6. **Bio Power:** It includes grid based bio gas and non-bio gas co-generation bio power projects.

7. **Solar Power:** It includes Scheme for Development of Solar PV Power Plant on Canal Bank/Canal Tops, Greening of islands, scheme for development Solar Parks and Ultra Mega Solar Power Projects, Defense Solar Scheme, Solar Rooftop Scheme, etc.

8. **Green Energy Corridors:** Union Government's component in Intra State Transmission Lines under the Green Energy Corridor Scheme for Renewable Energy Transmission infrastructure will be implemented.

12. **Externally Aided Project (EAP) - Component:** It includes UNDP/GEF Projects on Scale up of Access to Clean Energy for Rural Productive Uses and IGEN - Access under Indo German Bilateral Programme.

13. **Interest Payment and Issuing Expenses on the Bonds:** Provision for payment of Interest and issuing Expenses on the Bonds by the Indian Renewable Energy Development Agency (IREDA).

16. **Wind Power:** Provide for implementation of wind mills, wind based water pumps, wind based off-grid lighting, etc.

17. **Small Hydro Power:** Provision for implementation of hydro based water pumps, water mills, micro hydel, hydro based off-grid lighting etc.

18. **Bio Power:** Provision for off-grid based bio gas and non-bio gas co-generation bio power projects. 30 MWeq projects will be undertaken under urban industrial and agriculture waste / residue programme.

19. **Solar Power:** Under the solar off-grid programme, it is proposed to install 72 lakh Solar Lighting Systems, 1.00 lakh Solar Pumps, Micro Grid and Power Pack projects. It includes Concentrated Solar Thermal scheme.

23. **Other Renewable Energy Applications (Solar Cities, Green Buildings, Support to States, Demonstration of Renewable Energy Applications, Cookstoves, etc.):** It is used for will be used for Unnat Chulha Abhiyan, Special Area Demonstration Project (SADP), improving the infrastructure of state nodal agencies and the budget allocated for solar cities/ green building, cook stoves programme will be used to meet the previous liabilities.

24. **Externally Aided Projects (EAP) - Component:** It includes Provision for GEF-UNDP Project on Concentrated Solar Heater.

29. **Research and Development:** R& D activities on different aspects of New and Renewable Energy Technologies, Standards & Testing, Renewable Energy Assessment including Energy Storage have been kept under Research and Development.

41. **Monitoring/Evaluation and Other Studies:** Provision for Monitoring/Evaluation and Other Studies.

42. **Information Technology/e-Governance and other Initiatives:** Provision for Information Technology support and e-Governance and other related initiatives in the Ministry.

43. **Information, Education and Communications:** Provision for Central Financial Assistance (CFA) to provide Publicity & Awareness Support for Renewable Energy (RE) Programmes.

44. **International Relations - International Co-operation including Investment Promotion and Assistance to International Solar Alliance:** Under International Co-operation, funds are allocated for International Solar Alliance and also for undertaking the training and capacity building programmes and other renewable energy projects in Member Countries.

45. **Human Resources Development and Training:** Human Resources Development and Training Programme will be used for funding the ongoing fellowship programmes, funds are also allocated for Surya Mitra Scheme launched by the Government during 2015-16.