

MINISTRY OF NEW AND RENEWABLE ENERGY

DEMAND NO. 61

Ministry of New and Renewable Energy

A. The Budget allocations, net of recoveries, are given below:

Major Head	Actual 2014-2015			Budget 2015-2016			Revised 2015-2016			<i>(In crores of Rupees)</i> Budget 2016-2017		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
Revenue	406.70	13.48	420.18	192.67	15.54	208.21	154.53	12.77	167.30	5000.00	35.79	5035.79
Capital	95.00	...	95.00	95.00	...	95.00	92.00	2.77	94.77	...	...	...
Total	501.70	13.48	515.18	287.67	15.54	303.21	246.53	15.54	262.07	5000.00	35.79	5035.79
BE 2016-2017												
1. Secretariat-Economic Services	3451	...	...	...	...	...	...	...	...	...	34.19	34.19
	4810	...	...	...	...	...	...	...	...	...	...	...
<i>Total</i>	...	...	...	...	...	...	...	...	...	...	34.19	34.19
2. Transfer to National Clean Energy Fund (NCEF)	2810	...	...	...	...	...	...	...	...	4947.00	...	4947.00
3. <i>Schemes of New and Renewable Energy</i>												
3.01 Grid Interactive Renewable Power												
3.01.01 Wind Power	2810	...	...	...	...	...	...	...	...	365.00	...	365.00
3.01.02 Hydro Power	2810	...	...	...	...	...	...	...	...	85.00	...	85.00
3.01.03 Bio Power	2810	...	...	...	...	...	...	...	...	30.00	...	30.00
3.01.04 Solar Power	2810	...	...	...	...	...	...	...	...	2138.00	...	2138.00
3.01.05 Green Energy Corridors	2810	...	...	...	...	...	...	...	...	500.00	...	500.00
3.01.06 Information, Education and Communication	2810	...	...	...	...	...	...	...	...	5.00	...	5.00
3.01.07 Demonstration of Renewable Energy Applications	2810	...	...	...	...	...	...	...	...	2.00	...	2.00
3.01.08 Energy Storage	2810	...	...	...	...	...	...	...	...	16.00	...	16.00
3.01.09 Externally Aided Project	2810	...	...	...	...	...	...	...	...	39.00	...	39.00
3.01.10 Assistance to PSUs (SECI/IREDA)	4810	...	...	...	...	...	...	...	...	100.00	...	100.00
3.01.11 Provision of N.E. Region & Sikkim	2552	...	...	...	...	...	...	...	...	239.00	...	239.00
<i>Total- Grid Interactive Renewable Power</i>	...	...	...	...	...	...	...	...	...	3519.00	...	3519.00
3.02 Off-Grid/Distributed & Decentralized Renewable Power												
3.02.01 Wind Power	2810	...	...	...	...	...	...	...	...	5.20	...	5.20
3.02.02 Hydro Power	2810	...	...	...	...	...	...	...	...	10.00	...	10.00

(In crores of Rupees)

	Major Head	Actual 2014-2015			Budget 2015-2016			Revised 2015-2016			Budget 2016-2017			
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
3.02.03	Bio Power	2810	...	...	...	...	...	...	...	...	...	30.00	...	30.00
3.02.04	Solar Power	2810	...	...	...	...	...	...	...	...	...	500.00	...	500.00
3.02.05	Remote Village Electrification (RVE)	2810	...	...	...	...	...	...	...	...	...	30.00	...	30.00
3.02.06	Biogas Programme	2810	...	...	...	...	...	...	...	...	...	70.00	...	70.00
3.02.07	Others	2810	...	...	...	...	...	...	...	...	...	13.00	...	13.00
3.02.08	Other Renewable Energy Applications (Solar Cities, Green Building etc.) including Support to States	2810	...	...	...	...	...	...	...	...	...	14.80	...	14.80
3.02.09	Externally Aided Project	2810	...	...	...	...	...	...	...	...	...	6.00	...	6.00
3.02.10	Energy Storage	2810	...	...	...	...	...	...	...	...	...	2.00	...	2.00
3.02.11	Central Plan Schemes	3601	...	...	...	...	...	...	...	...	...	45.00	...	45.00
3.02.12	Assistance to IREDA	4810	...	...	...	...	...	...	...	...	...	...	...	...
3.02.13	Provision for N.E. Region & Sikkim	2552	...	...	...	...	...	...	...	...	...	257.00	...	257.00
	<i>Total- Off-Grid/Distributed & Decentralized Renewable Power</i>		...	...	...	...	...	...	...	...	...	983.00	...	983.00
3.03	Research, Development and International Cooperation													
3.03.01	Bio Energy	2810	...	...	...	...	...	...	...	...	...	8.00	...	8.00
3.03.02	Solar Energy	2810	...	...	...	...	...	...	...	...	...	90.00	...	90.00
3.03.03	Small Hydro Power	2810	...	...	...	...	...	...	...	...	...	3.00	...	3.00
3.03.04	New Technologies	2810	...	...	...	...	...	...	...	...	...	20.00	...	20.00
3.03.05	Wind Energy	2810	...	...	...	...	...	...	...	...	...	3.00	...	3.00
3.03.06	International relations- International Cooperation including Investment Promotion	2810	...	...	...	...	...	...	...	...	...	220.00	1.60	221.60
3.03.07	Human Resources Development and Training	2810	...	...	...	...	...	...	...	...	...	55.00	...	55.00
3.03.08	Energy Storage	2810	...	...	...	...	...	...	...	...	...	2.00	...	2.00
3.03.09	New & Innovative Projects/NINEI/NURE/WERM	2810	...	...	...	...	...	...	...	...	...	44.00	...	44.00
3.03.10	Provision for N.E. Region & Sikkim	2552	...	...	...	...	...	...	...	...	...	...	...	...
	<i>Total- Research, Development and International Cooperation</i>		...	...	...	...	...	...	...	...	...	445.00	1.60	446.60
3.04	Less - Amount met from National Clean Energy Fund (NCEF)	2810	...	...	...	...	...	...	...	...	...	-4802.00	...	-4802.00
		3601	...	...	...	...	...	...	...	...	...	-45.00	...	-45.00

(In crores of Rupees)

Major Head	Actual 2014-2015			Budget 2015-2016			Revised 2015-2016			Budget 2016-2017		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
4810	...	...	...	...	...	...	...	...	...	-100.00	...	-100.00
Total	...	...	...	...	...	...	...	...	...	-4947.00	...	-4947.00
Net	...	...	...	...	...	...	...	...	...	...	1.60	1.60
4. Autonomous Bodies												
4.01 National Institute of Wind Energy(NIWE)	2810	...	...	...	...	...	...	...	...	25.00	...	25.00
4.02 National Institute of Bio Energy(NIBE)	2810	...	...	...	...	...	...	...	...	8.00	...	8.00
4.03 National Institute of Solar Energy(NISE)	2810	...	...	...	...	...	...	...	...	20.00	...	20.00
Total- Autonomous Bodies	...	...	...	...	...	...	...	...	...	53.00	...	53.00
RE 2015-2016												
5. Secretariat-Economic Services	3451	18.24	12.46	30.70	10.47	14.06	24.53	16.05	12.02	28.07	...	...
	4810	...	...	...	...	...	...	...	2.77	2.77	...	...
Total	...	18.24	12.46	30.70	10.47	14.06	24.53	16.05	14.79	30.84	...	...
New and Renewable Energy												
6. Grid Interactive and Distributed Renewable Power												
6.01 Grid Interactive and Distributed Renewable Power	2810	1844.66	...	1844.66	2410.00	...	2410.00	3894.00	...	3894.00	...	...
6.02 Less - Amount met from National Clean Energy Fund	2810	-1777.35	...	-1777.35	-2410.00	...	-2410.00	-3894.00	...	-3894.00	...	...
Net	...	67.31	...	67.31	...	...	...	...	...	...	...	...
7. Renewable Energy for Rural Applications	2810	113.63	...	113.63	90.00	...	90.00	54.76	...	54.76	...	...
	3601	35.00	...	35.00	41.00	...	41.00	37.80	...	37.80	...	...
Total	...	148.63	...	148.63	131.00	...	131.00	92.56	...	92.56	...	...
8. Renewable Energy for Urban, Industrial and Commercial Applications	2810	12.44	...	12.44	4.62	...	4.62	4.62	...	4.62	...	...
9. Research, Design & Development in Renewable Energy												
9.01 Research, Design & Development in Renewable Energy												
9.01.01 Research, Design & Development in Renewable Energy	2810	127.45	...	127.45	90.00	...	90.00	106.00	...	106.00	...	...
9.01.02 Less - Amount met from National Clean Energy Fund	2810	...	...	...	-90.00	...	-90.00	-106.00	...	-106.00	...	...
Net	...	127.45	...	127.45	...	...	...	...	...	...	...	...
9.02 Research, Design & Development in Renewable Energy	4810	...	...	...	...	...	...	...	...	...	...	...

(In crores of Rupees)

	Major Head	Actual 2014-2015			Budget 2015-2016			Revised 2015-2016			Budget 2016-2017			
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
<i>Total- Research, Design & Development in Renewable Energy</i>		127.45	...	127.45	...	...	...	...	...	...	...	...	...
10.	<i>Supporting Programmes</i>													
10.01	External Support(EAP)	2810	7.95	...	7.95	2.87	...	2.87	2.87	...	2.87	...	...
10.02	Domestic Support	2810	50.25	1.02	51.27	14.71	1.48	16.19	13.78	0.75	14.53	...	...
10.03	Less - amount met from National Clean Energy Fund	2810	...	...	...	...	...	...	...	...	...	...	...
	<i>Net</i>		58.20	1.02	59.22	17.58	1.48	19.06	16.65	0.75	17.40	...	...
11.	Other Expenditure	2810	...	...	...	...	...	...	...	...	...	...	...
		3601	...	...	...	...	...	...	...	...	...	...	...
	<i>Total</i>		...	...	...	...	...	...	...	...	...	...	...
12.	<i>Investment in Public Enterprises</i>													
12.01	Investment in Public Enterprises	4810	295.00	...	295.00	95.00	...	95.00	92.00	...	92.00	...	...
12.02	Less - Amount met from Clean Energy Fund	4810	-200.00	...	-200.00	...	...	...	...	...	...	...	...
	<i>Net</i>		95.00	...	95.00	95.00	...	95.00	92.00	...	92.00	...	...
Total-New and Renewable Energy			509.03	1.02	510.05	248.20	1.48	249.68	205.83	0.75	206.58	...	...
13.	<i>Lumpsum Provision for N.E.Region & Sikkim</i>													
13.01	Lumpsum Provision for N.E.Region & Sikkim	2552	...	...	...	29.00	...	29.00	24.65	...	24.65	...	...
13.02	Less - Amount met from Clean Energy Fund	2552	...	...	...	...	...	...	...	...	...	...	...
	<i>Net</i>		...	...	...	29.00	...	29.00	24.65	...	24.65	...	...
14.	Actual Recoveries	2810	-25.57	...	-25.57	...	...	...	...	...	...	...	...
Grand Total			501.70	13.48	515.18	287.67	15.54	303.21	246.53	15.54	262.07	5000.00	35.79	5035.79
	Head of Dev	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total	
B. Investment in Public Enterprises														
3.01	Indian Renewable Energy Development Agency	12810	240.00	3280.18	3520.18	3.00	3373.06	3376.06	...	5402.55	5402.55	...	9118.85	9118.85
3.02	Solar Energy Corporation of India	12810	55.00	10.98	65.98	92.00	...	92.00	92.00	28.38	120.38	100.00	73.98	173.98
Total			295.00	3291.16	3586.16	95.00	3373.06	3468.06	92.00	5430.93	5522.93	100.00	9192.83	9292.83
C. Plan Outlay*														
1.	New and Renewable Energy	12810	501.70	3291.16	3792.86	258.67	3373.06	3631.73	221.88	5430.93	5652.81	4504.00	9192.83	13696.83
2.	North Eastern Areas	22552	29.00	...	29.00	24.65	...	24.65	496.00	...	496.00
Total			501.70	3291.16	3792.86	287.67	3373.06	3660.73	246.53	5430.93	5677.46	5000.00	9192.83	14192.83
*Inclusive of works outlay in the Ministry of Urban Development Demand No 105		12810

1. **Secretariat:** Provision is for Secretariat expenditure.
2. **Transfer to National Clean Energy Fund:** The provision is for transfer to National Clean energy Fund (NCEF).
 - 3.01. **Grid-Interactive Renewable Power:** Provision is for Grid Interactive Power Capacity addition from Solar, Wind, Small Hydro Power and Biomass including Bagasse Cogeneration, a new programme on Energy Storage, Government component in Intra-state Transmission Lines under the Green Energy Corridor Scheme for Renewable Energy Transmission infrastructure. The budgeted outlay could also be used for NCEF projects recommended by the Inter-Ministerial Group (IMG) and NCEF projects and VGF Schemes for Solar Projects approved by Solar Energy Corporation of India and Wind Energy Programme.
 - 3.02. **Off Grid/Distributed and Decentralised Renewable Power::** The provision is for Off- Grid/Distributed and Decentralised Programmes. The major programmes covered are Off-grid and Decentralized/Distributed systems i.e. Solar Lighting, Solar Pumps etc., Biogas Programme, Remote Village Electrification Programme, Decentralised Bio-Power Programmes etc. and two new programmes/schemes on Bio-Fuel and Energy Storage. The budgeted outlay could also be used for NCEF projects recommended the Inter-Ministerial Group (IMG) and NCEF projects and VGF schemes for Solar projects approved by Solar Energy Corporation of India, Wind Energy Programme, Generation-Based Incentive Scheme, Off-grid wind energy programmes/projects and R&D Projects for development of wind energy.
 - 3.03. **Research, Design and Development in Renewable Energy and International Co-operation::** The Provision is for (i) R& D activities on different aspects of New and Renewable Energy Technologies; (ii) Standards & Testing; (iii) Renewable Energy Assessment; (iv) Human Resource Development Programme, the on-going fellowship programmes, and Surya Mitra Scheme. New and Innovative Projects including setting up a Centre, namely, National Institute of New Energy and Innovation at Bhuvaneshwar, establishment of National University of Renewable Energy and a World Renewable Energy Museum. This provision is also for undertaking the training and capacity building programmes and other renewable energy projects in Member Countries. The budgeted outlay could also be used for NCEF projects recommended by the Inter-Ministerial Group (IMG) and NCEF projects and VGF schemes for Solar Project approved by SECI.
4. **Autonomous Bodies:** The provision is for supporting autonomous bodies under MNRE i.e. National Institute of Solar Energy, National Institute of Wind Energy and National Institute of Bio-Energy.