

MINISTRY OF NEW AND RENEWABLE ENERGY

DEMAND NO. 67

Ministry of New and Renewable Energy

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

		(In crores of Rupees)								
Major Head	Budget 2007-2008			Revised 2007-2008			Budget 2008-2009			
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
Revenue	561.75	6.90	568.65	418.95	6.82	425.77	586.80	7.09	593.89	
Capital	64.25	...	64.25	64.05	...	64.05	30.20	...	30.20	
Total	626.00	6.90	632.90	483.00	6.82	489.82	617.00	7.09	624.09	
1. Secretariat-Economic Services	3451	10.50	6.81	17.31	7.30	6.81	14.11	10.50	7.09	17.59
Non-Conventional Energy Sources										
2. Solar Energy Programme	2810	127.70	...	127.70	81.60	...	81.60	114.45	...	114.45
	3601	0.50	...	0.50	...	...	...	0.50	...	0.50
	3602	2.55	...	2.55	0.10	...	0.10	0.60	...	0.60
	4810	0.25	...	0.25	0.05	...	0.05	0.20	...	0.20
	<i>Total</i>	<i>131.00</i>	...	<i>131.00</i>	<i>81.75</i>	...	<i>81.75</i>	<i>115.75</i>	...	<i>115.75</i>
3. Biogas Programme & NBB	2810	37.50	...	37.50	48.00	...	48.00	55.00	...	55.00
	3601	4.00	...	4.00	10.00	...	10.00	10.00	...	10.00
	<i>Total</i>	<i>41.50</i>	...	<i>41.50</i>	<i>58.00</i>	...	<i>58.00</i>	<i>65.00</i>	...	<i>65.00</i>
4. Wind Energy Programme	2810	21.00	...	21.00	15.50	...	15.50	22.25	...	22.25
5. Bio-mass Programme	2810	51.00	...	51.00	36.50	...	36.50	50.00	...	50.00
6. Integrated Rural Energy Programme	2501	0.10	...	0.10	...	...	...	...	...	...
	3601	9.40	...	9.40	5.00	...	5.00	4.00	...	4.00
	3602	0.50	...	0.50	...	...	...	...	...	...
	<i>Total</i>	<i>10.00</i>	...	<i>10.00</i>	<i>5.00</i>	...	<i>5.00</i>	<i>4.00</i>	...	<i>4.00</i>
7. Other Sources of Energy	2810	60.50	...	60.50	35.40	...	35.40	88.25	...	88.25
	3601	1.00	...	1.00	1.00	...	1.00	1.00	...	1.00
	3602	0.50	...	0.50	0.10	...	0.10	0.25	...	0.25
	<i>Total</i>	<i>62.00</i>	...	<i>62.00</i>	<i>36.50</i>	...	<i>36.50</i>	<i>89.50</i>	...	<i>89.50</i>
8. Energy from Urban and Agricultural Wastes	2810	13.50	...	13.50	13.00	...	13.00	25.50	...	25.50
9. Investment in Public Enterprises	4810	50.00	...	50.00	50.00	...	50.00	30.00	...	30.00
	6810	14.00	...	14.00	14.00	...	14.00	...	...	...
	<i>Total</i>	<i>64.00</i>	...	<i>64.00</i>	<i>64.00</i>	...	<i>64.00</i>	<i>30.00</i>	...	<i>30.00</i>
10. National Institute of Renewable Energy	2810	8.00	...	8.00	4.00	...	4.00	7.00	...	7.00
11. Other Items	2810	150.70	0.09	150.79	98.65	0.01	98.66	135.50	...	135.50
12. Lumpsum provision for N.E.Region & Sikkim	2552	62.80	...	62.80	62.80	...	62.80	62.00	...	62.00
Grand Total		626.00	6.90	632.90	483.00	6.82	489.82	617.00	7.09	624.09
B. Investment in Public Enterprises	Head of Dev	Budget Support	I.E.B.R	Total	Budget Support	I.E.B.R	Total	Budget Support	I.E.B.R	Total
9.01 Indian Renewable Energy Development Agency	12810	64.00	384.16	448.16	64.00	637.58	701.58	30.00	647.00	677.00
	<i>Total</i>	<i>64.00</i>	<i>384.16</i>	<i>448.16</i>	<i>64.00</i>	<i>637.58</i>	<i>701.58</i>	<i>30.00</i>	<i>647.00</i>	<i>677.00</i>
C. Plan Outlay*										
1. Non Conventional Sources of Energy	12810	565.10	384.16	949.26	421.20	637.58	1058.78	558.00	647.00	1205.00
2. Special Programmes for Rural Development	12501	0.10	...	0.10	...	...	...	...	...	...
3. North Eastern Areas	22552	62.80	...	62.80	62.80	...	62.80	62.00	...	62.00
Total		628.00	384.16	1012.16	484.00	637.58	1121.58	620.00	647.00	1267.00
* Inclusive of works outlay provided in the Demands of Ministry of Urban Development.										
Demand No.100	12810	2.00	...	2.00	1.00	...	1.00	3.00	...	3.00

1. **Secretariat:** Provides for secretariat expenditure.
2. **Solar Energy Programme:** Includes provision for the Solar Energy Centre, Solar Thermal Energy Programme including UICA, Solar Energy Research & Development, and Extension of Solar thermal, SPV and other Renewable Energy systems / devices.
3. **Biogas Programme:** This is one of the components of Renewable Energy for Rural Areas Programme. It includes support for popularization of family type plants and also research & development in the area of biogas.
4. **Wind Energy Programme:** This includes support for demonstration wind power projects, small wind energy & hybrid systems, strengthening of wind data base, research and development and provision for Center for Wind Energy Technology (C-WET).
5. **Biomass Programme:** Provision relates mainly to R&D and promotion of various biomass conversion and utilization of various technologies/projects on biomass based co-generation of power in sugar industry and on biomass gasification/combustion based power generation. A World Bank assisted project titled "Removal of Barriers for Biomass Energy Generation in India" has been initiated to accelerate the adoption of environmentally sustainable biomass power and cogeneration technologies in India. Rs. 2 crore has been provided for the year 2008-09 for implementation of various activities under the aforesaid project.
6. **Integrated Rural Energy Programme (IREP):** This programme has been merged with Renewable Energy for Rural Areas. The provision kept is mainly for meeting spill-over liabilities of 10th plan.
7. **(i) Other Sources of Energy:** Includes provision for research, development and demonstration projects/ activities for promotion of new energy technologies such as fuel cells, hydrogen energy, bio-fuels for surface transport, geothermal energy for power generation and direct thermal applications and ocean energy for power generation.
 - (ii) **Small Hydel Programme:** This programme is aimed at utilization of hydropower potential at run-of-river and natural falls, either through grid-connected power projects or decentralised power generation projects in remote and hilly areas. Financial support is also being provided for feasibility studies, preparation of detailed project reports and towards interest subsidy for installation of such projects.
8. **Energy from Urban and Agricultural Wastes:** This includes provision for projects on Energy Recovery from Urban, Municipal and Industrial Wastes. The scheme provides fiscal and financial incentives for waste to energy projects.
9. **Investment in Public Enterprises :** This includes provision for equity support to the Indian Renewable Energy Development Agency (IREDA) which had been set up to lend support to various new and renewable sources of energy projects and schemes.
10. **National Institute of Renewable Energy (NIRE):** Includes provision for support to Sardar Swarn Singh National Institute of Renewable Energy which has been established as a registered society under the Society's Registration Act XXI of 1860. NIRE will focus on synthetic fuels and bio-energy including biofuels.
11. **Other items:**
 - (i) Includes provision for information & publicity, support to State Governments, support to industry, monitoring and evaluation, etc.
 - (ii) **Remote Village Electrification (RVE) Programme :** Villages not being provided grid connectivity under Rajiv Gandhi Gramin Vidyutikaran Yojana (RGGVY) are being provided with electricity / lighting through renewable energy devices and systems, wherever feasible and cost effective, with Central Financial Assistance (CFA) under this programme.
 - (iii) A counterpart budget for Rs. 7 crore for implementation of various activities, viz. raising economic levels of selected villages through provision of renewable energy services; renewable energy resource assessment on GIS platform; development of a digital simulator for imparting training on operation of small hydro power stations and renewable energy technology mapping and benchmarking.
12. **Lumpsum provision for NE Region & Sikkim:** Includes provision of Central Financial Assistance for implementation of projects in NE Region States including Sikkim under different programmes of the Ministry.