

MINISTRY OF NEW AND RENEWABLE ENERGY

DEMAND NO. 65

Ministry of New and Renewable Energy

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

(In crores of Rupees)

Major Head	Budget 2006-2007			Revised 2006-2007			Budget 2007-2008			
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
Revenue	531.75	6.64	538.39	324.96	6.57	331.53	561.75	6.90	568.65	
Capital	65.25	...	65.25	55.04	...	55.04	64.25	...	64.25	
Total	597.00	6.64	603.64	380.00	6.57	386.57	626.00	6.90	632.90	
1. Secretariat-Economic Services	3451	10.50	6.64	17.14	10.50	6.57	17.07	10.50	6.81	17.31
Non-Conventional Energy Sources										
2. Solar Energy Programme	2810	89.88	...	89.88	68.30	...	68.30	127.70	...	127.70
	3601	0.04	...	0.04	0.01	...	0.01	0.50	...	0.50
	3602	0.08	...	0.08	0.06	...	0.06	2.55	...	2.55
	4810	0.25	...	0.25	0.04	...	0.04	0.25	...	0.25
	<i>Total</i>	<i>90.25</i>	<i>...</i>	<i>90.25</i>	<i>68.41</i>	<i>...</i>	<i>68.41</i>	<i>131.00</i>	<i>...</i>	<i>131.00</i>
3. Biogas Programme & NBB	2810	36.60	...	36.60	46.15	...	46.15	37.50	...	37.50
	3601	6.00	...	6.00	6.00	...	6.00	4.00	...	4.00
	<i>Total</i>	<i>42.60</i>	<i>...</i>	<i>42.60</i>	<i>52.15</i>	<i>...</i>	<i>52.15</i>	<i>41.50</i>	<i>...</i>	<i>41.50</i>
4. Wind Energy Programme	2810	15.00	...	15.00	7.60	...	7.60	21.00	...	21.00
5. Bio-mass Programme	2810	50.00	...	50.00	29.25	...	29.25	51.00	...	51.00
6. Integrated Rural Energy Programme	2501	1.50	...	1.50	0.30	...	0.30	0.10	...	0.10
	3601	16.00	...	16.00	11.20	...	11.20	9.40	...	9.40
	3602	0.50	...	0.50	...	...	...	0.50	...	0.50
	<i>Total</i>	<i>18.00</i>	<i>...</i>	<i>18.00</i>	<i>11.50</i>	<i>...</i>	<i>11.50</i>	<i>10.00</i>	<i>...</i>	<i>10.00</i>
7. Other Sources of Energy	2810	54.90	...	54.90	36.90	...	36.90	60.50	...	60.50
	3601	1.00	...	1.00	1.00	...	1.00	1.00	...	1.00
	3602	0.10	...	0.10	0.10	...	0.10	0.50	...	0.50
	<i>Total</i>	<i>56.00</i>	<i>...</i>	<i>56.00</i>	<i>38.00</i>	<i>...</i>	<i>38.00</i>	<i>62.00</i>	<i>...</i>	<i>62.00</i>
8. Improved Chulhas	2810	0.02	...	0.02	...	...	...	...	...	...
	3601	0.02	...	0.02	...	...	...	...	...	...
	3602	0.01	...	0.01	...	...	...	...	...	...
	<i>Total</i>	<i>0.05</i>	<i>...</i>	<i>0.05</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>
9. Energy from Urban and Agricultural Wastes	2810	23.50	...	23.50	10.85	...	10.85	13.50	...	13.50
10. Investment in Public Enterprises	4810	50.00	...	50.00	40.00	...	40.00	50.00	...	50.00
	6810	15.00	...	15.00	15.00	...	15.00	14.00	...	14.00
	<i>Total</i>	<i>65.00</i>	<i>...</i>	<i>65.00</i>	<i>55.00</i>	<i>...</i>	<i>55.00</i>	<i>64.00</i>	<i>...</i>	<i>64.00</i>
11. National Institute of Renewable Energy	2810	6.00	...	6.00	0.29	...	0.29	8.00	...	8.00
12. Other Items	2810	160.10	...	160.10	53.35	...	53.35	150.70	0.09	150.79
13. Lumpsum provision for N.E.Region & Sikkim	2552	60.00	...	60.00	43.10	...	43.10	62.80	...	62.80
Grand Total		597.00	6.64	603.64	380.00	6.57	386.57	626.00	6.90	632.90
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
10.01 Indian Renewable Energy Development Agency	12810	65.00	370.02	435.02	55.00	680.81	735.81	64.00	384.16	448.16
C. Plan Outlay*										
1. Non Conventional Sources of Energy	12810	538.50	370.02	908.52	337.10	680.81	1017.91	565.10	384.16	949.26
2. Special Programmes for Rural Development	12501	1.50	...	1.50	0.30	...	0.30	0.10	...	0.10
3. North Eastern Areas	22552	60.00	...	60.00	43.10	...	43.10	62.80	...	62.80
Total		600.00	370.02	970.02	380.50	680.81	1061.31	628.00	384.16	1012.16

* Inclusive of works outlay provided in the Demands of Ministry of Urban Development.

Demand No.100	12810	3.00	...	3.00	0.50	...	0.50	2.00	...	2.00
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No.65 / Ministry of New and Renewable Energy

1. Secretariat: Provides for secretariat expenditure of the Ministry of New and Renewable Energy.

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 for this programme 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 jointly signed by World Bank, MNRE and DEA on 12.05.2006. The objective of the project is to accelerate the adoption of environmentally sustainable biomass power and cogeneration technologies in India.

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. National Programme on Improved Chulhas: This programme stands transferred to states. Therefore, no provision has been kept under this programme.

9. 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.

10. 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. The agency is responsible for financing such projects through internal resources, equity and mobilization of funds from external agencies.

11. 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.

12. Other items:

(i) Includes provision for Information & Publicity, support to State Governments, Industry, 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 under this programme.

(iii) A counterpart budget for Rs. 4 crore has been kept 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. The aforesaid project was signed in 2003 and is likely to be completed by 31.12.2007.

13. Lumpsum provision for NE Regions & Sikkim: Includes provision for implementation of projects in NE Region States including Sikkim.