

MINISTRY OF POWER

DEMAND NO. 75

Ministry of Power

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

		<i>(In crores of Rupees)</i>											
Major Head	Actual 2010-2011			Budget 2011-2012			Revised 2011-2012			Budget 2012-2013			
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
Revenue	5221.00	-44.34	5176.66	6779.84	-135.01	6644.83	3816.88	-183.69	3633.19	5929.63	-122.89	5806.74	
Capital	3074.54	...	3074.54	2862.16	...	2862.16	2234.12	...	2234.12	3712.37	...	3712.37	
Total	8295.54	-44.34	8251.20	9642.00	-135.01	9506.99	6051.00	-183.69	5867.31	9642.00	-122.89	9519.11	
1. Secretariat-Economic Services	3451	0.97	21.24	22.21	1.00	24.10	25.10	1.00	24.10	25.10	0.10	25.84	25.94
2. <i>Waiver of Interest</i>													
2.01 North Eastern Electric Power Corporation (NEEPCO)	2801	...	...	...	...	...	...	...	16.13	16.13	...	...	...
2.02 Less Receipts Netted	0049	...	...	...	...	...	...	...	-16.13	-16.13	...	...	...
<i>Net</i>		...	...	...	...	...	...	...	...	...	...	...	...
Power													
General													
3. Central Electricity Authority	2801	4.46	65.11	69.57	13.18	77.03	90.21	6.39	73.80	80.19	18.08	78.80	96.88
	4801	2.12	...	2.12	3.05	...	3.05	2.05	...	2.05	1.00	...	1.00
<i>Total</i>		6.58	65.11	71.69	16.23	77.03	93.26	8.44	73.80	82.24	19.08	78.80	97.88
4. <i>Research and Development</i>													
4.01 Central Power Research Institute, Bengaluru	2801	61.51	...	61.51	163.40	...	163.40	75.00	...	75.00	265.00	...	265.00
5. <i>Training</i>													
5.01 National Power Training Institute (NPTI)	2801	17.00	6.40	23.40	16.89	6.40	23.29	2.09	6.40	8.49	5.09	6.40	11.49
6. Setting up of JERC for Manipur & Mizoram	2801	1.20	...	1.20	2.38	...	2.38	2.33	...	2.33	2.46	...	2.46
7. <i>Central Electricity Regulatory Commission</i>													
7.01 CERC Fund	2801	...	...	...	...	31.48	31.48	...	33.29	33.29	...	34.79	34.79
7.02 Amount met from CERC Fund	2801	...	...	...	...	-31.48	-31.48	...	-33.29	-33.29	...	-34.79	-34.79
<i>Net</i>		...	...	...	...	...	...	...	...	...	...	...	...
8. <i>National Investment Fund (NIF)</i>													
8.01 Transfer to National Investment Fund	2801	2052.00	...	2052.00	5052.00	...	5052.00	2086.04	...	2086.04	4761.00	...	4761.00
8.02 Amount met from NIF for Subsidy for Rural Electrification - RGGVY	2801	-2000.00	...	-2000.00	-5000.00	...	-5000.00	-2086.04	...	-2086.04	-4761.00	...	-4761.00

(In Crores of Rupees)

(In crores of Rupees)

	Major Head	Actual 2010-2011			Budget 2011-2012			Revised 2011-2012			Budget 2012-2013			
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
8.03	Amount met from NIF for APDRP	2801	-52.00	...	-52.00	-52.00	...	-52.00	...	...	...	...	...	...
	<i>Net</i>		...	...	...	...	...	...	...	...	...	...	...	...
9.	Subsidy for Rural Electrification-RGGVY	2801	5000.00	...	5000.00	5326.70	...	5326.70	3189.60	...	3189.60	4410.00	...	4410.00
10.	Consultancy Charges for APDRP Project	2801	19.44	...	19.44	...	...	...	...	...	...	...	...	...
11.	Funds for Evaluation Studies and Consultancy	2801	0.04	...	0.04	1.00	...	1.00	0.25	...	0.25	2.00	...	2.00
12.	Appellate Tribunal for Electricity	2801	...	5.77	5.77	...	8.50	8.50	...	8.36	8.36	...	8.78	8.78
13.	Setting up of Joint JERC for UTs and Goa	2801	...	3.30	3.30	...	4.00	4.00	...	4.00	4.00	...	4.00	4.00
14.	Comprehensive Award Scheme for Power Sector	2801	...	...	...	0.82	...	0.82	0.82	...	0.82	0.90	...	0.90
15.	Energy Conservation	2801	127.24	...	127.24	130.80	...	130.80	50.00	...	50.00	200.00	...	200.00
16.	<i>Bureau of Energy Efficiency</i>													
	16.01 Non EAP Component	2801	60.97	...	60.97	123.80	...	123.80	63.00	...	63.00	197.40	...	197.40
	16.02 EAP Component	2801	...	...	...	...	...	...	2.00	...	2.00	2.60	...	2.60
	<i>Total- Bureau of Energy Efficiency</i>		<i>60.97</i>	<i>...</i>	<i>60.97</i>	<i>123.80</i>	<i>...</i>	<i>123.80</i>	<i>65.00</i>	<i>...</i>	<i>65.00</i>	<i>200.00</i>	<i>...</i>	<i>200.00</i>
17.	APDRP	2801	100.00	...	100.00	75.00	...	75.00	68.00	...	68.00	117.00	...	117.00
18.	Assistance to Forum of Regulator Capacity Building	2801	2.00	...	2.00	2.00	...	2.00	2.00	...	2.00	2.00	...	2.00
19.	World Bank Grant under PHRD to THDC	2801	0.41	...	0.41	...	...	...	...	...	...	...	...	...
20.	Loan to PFC for APDRP	6801	2246.42	...	2246.42	1755.60	...	1755.60	1433.20	...	1433.20	2685.60	...	2685.60
21.	Interest Subsidy to National Electricity Fund	2801	...	...	...	249.57	...	249.57	...	...	...	72.00	...	72.00
22.	Interest Subsidy to NTPC (AGNSP)	2801	26.84	...	26.84	...	...	...	...	...	...	...	...	...
23.	Tehri Hydro Development Corporation India Ltd.	4801	...	...	...	...	...	...	45.00	...	45.00	110.00	...	110.00
24.	Acquisition of Coal bearing Areas for NTPC	4801	105.19	...	105.19	489.93	...	489.93	179.61	...	179.61	720.04	...	720.04
	24.01 Deduct Recoveries	4801	-105.19	...	-105.19	-489.93	...	-489.93	-179.61	...	-179.61	-720.04	...	-720.04
	<i>Net</i>		...	...	...	...	...	...	...	...	...	...	...	...
Total-General			7669.65	80.58	7750.23	7864.19	95.93	7960.12	4941.73	92.56	5034.29	8091.13	97.98	8189.11
Thermal Power Generation														
25.	<i>Badarpur Thermal Power Station</i>													
	25.01 Revenue Expenditure	2801	...	5.54	5.54	...	17.65	17.65	...	14.68	14.68	...	9.95	9.95
	25.02 Less Revenue Receipts	0801	...	-151.70	-151.70	...	-272.69	-272.69	...	-315.03	-315.03	...	-256.66	-256.66
	<i>Net</i>		...	<i>-146.16</i>	<i>-146.16</i>	...	<i>-255.04</i>	<i>-255.04</i>	...	<i>-300.35</i>	<i>-300.35</i>	...	<i>-246.71</i>	<i>-246.71</i>
Transmission and Distribution														
26.	220 KV Transmission Line from Srinagar to Leh via Kargil	4801	...	...	...	...	...	...	...	...	...	200.00	...	200.00

(In crores of Rupees)

	Major Head	Actual 2010-2011			Budget 2011-2012			Revised 2011-2012			Budget 2012-2013			
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
27. Lumpsum provision for Project/Schemes for the benefit of NE Region & Sikkim														
27.01	Subsidy for Rural Electrification-RGGVY	2552	...	...	673.30	...	673.30	354.40	...	354.40	490.00	...	490.00
27.02	Loan to PFC under APDRP	6552	...	...	203.40	...	203.40	166.80	...	166.80	311.40	...	311.40
27.03	Strengthening of Transmission System in the States of Arunachal Pradesh and Sikkim	2552	...	...	...	...	...	...	...	...	145.00	...	145.00
27.04	Investment in Public Enterprises in N.E. Region	4552	...	...	87.50	...	87.50	25.50	...	25.50	54.00	...	54.00
27.05	Investment in Public Enterprises in N.E. Region	6552	...	...	...	...	...	163.13	...	163.13	80.00	...	80.00
Total- Lumpsum provision for Project/Schemes for the benefit of NE Region & Sikkim		...	...	...	964.20	...	964.20	709.83	...	709.83	1080.40	...	1080.40
Total-Transmission and Distribution		...	...	...	964.20	...	964.20	709.83	...	709.83	1280.40	...	1280.40
Total-Power		7669.65	-65.58	7604.07	8828.39	-159.11	8669.28	5651.56	-207.79	5443.77	9371.53	-148.73	9222.80	
28. Investment in Public Enterprises other than NE Region														
28.01	Investment in North Eastern Electric Power Corporation Ltd.	4801	45.00	...	45.00	...	...	...	...	...	...	...	...
28.02	Loans for Power Projects	6801	781.00	...	781.00	812.61	...	812.61	398.44	...	398.44	270.37	...	270.37
Total- Investment in Public Enterprises other than NE Region		...	826.00	...	826.00	812.61	...	812.61	398.44	...	398.44	270.37	...	270.37
29.	Actual Recoveries	2801	-201.08	...	-201.08	...	...	...	...	...	...	...	...
Grand Total		8295.54	-44.34	8251.20	9642.00	-135.01	9506.99	6051.00	-183.69	5867.31	9642.00	-122.89	9519.11	

(in crores of Rupees)

	Head of Dev	Budget Support			IEBR			Total			Total			
		Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total	
B. Investment in Public Enterprises														
28.01	National Thermal Power Corporation Ltd.	12801	...	12817.61	12817.61	...	26400.00	26400.00	...	26400.00	26400.00	...	20995.00	20995.00
28.02	National Hydro Electric Power Corporation Ltd.	12801	781.00	2987.87	3768.87	812.61	4277.39	5090.00	398.44	4277.39	4675.83	270.37	3826.63	4097.00
28.03	Damodar Valley Corporation Ltd.	12801	...	5253.31	5253.31	...	5890.59	5890.59	...	5890.59	5890.59	...	5571.69	5571.69
28.04	North Eastern Electric Power Corporation Ltd. (North Eastern Region Component)	12801	45.00	414.02	459.02	87.50	949.77	1037.27	188.63	949.77	1138.40	134.00	1137.79	1271.79
28.05	Satluj Jal Vidyut Nigam Ltd.	12801	...	566.89	566.89	...	1133.13	1133.13	...	1133.13	1133.13	...	796.00	796.00
28.06	Tehri Hydro Development Corporation Ltd.	12801	...	604.84	604.84	...	389.85	389.85	45.00	389.85	434.85	110.00	455.39	565.39
28.07	Power Grid Corporation of India Ltd.	12801	...	12005.39	12005.39	...	17700.00	17700.00	...	17700.00	17700.00	...	20000.00	20000.00
Total		826.00	34649.93	35475.93	900.11	56740.73	57640.84	632.07	56740.73	57372.80	514.37	52782.50	53296.87	

	Head of Dev										(in crores of Rupees)		
		Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total
C. Plan Outlay													
1. Power	12801	8295.54	34649.93	42945.47	8677.80	56740.73	65418.53	5341.17	56740.73	62081.90	8561.60	52782.50	61344.10
2. North Eastern Areas	22552	...	...	...	964.20	...	964.20	709.83	...	709.83	1080.40	...	1080.40
Total		8295.54	34649.93	42945.47	9642.00	56740.73	66382.73	6051.00	56740.73	62791.73	9642.00	52782.50	62424.50

1. **Secretariat:** Provision is made for expenditure on establishment matters for the Secretariat of the Ministry of Power, under various schemes.

3. **Central Electricity Authority:** The Central Electricity Authority coordinates the activities of various agencies in relation to control and utilization of national power resources. It is also responsible for carrying out the survey and studies, collection and recording of data concerning generation, distribution, utilization and development of power resources.

4. **Research & Development:** Central Power Research Institute, Bangalore serves as a National Laboratory for applied research in the field of electrical power and also functions as an independent authority for testing, evaluation and certification of electrical equipment and components.

5. **Training:** National Power Training Institute is engaged in imparting training in various aspects of power sector including operation and maintenance of power stations.

6. **Joint Electricity Regulatory Commission (JERC) for Manipur and Mizoram:** Pursuant to a Memorandum of Agreement signed by the State Governments of Manipur and Mizoram, authorizing the Central Government to constitute a Joint Electricity Regulatory Commission (JERC), the Central Government has constituted a JERC for these states under section 83 of the Electricity Act 2003. The Central Government has also approved a plan scheme of financial assistance of ₹ 6.60 crore for meeting the recurring and non-recurring expenditure of the Commission during the first five years, ending in January, 2013.

7. **Central Electricity Regulatory Commission:** Under the provision of the ERC Act, 1998, the Central Government had constituted the Central Electricity Regulatory Commission (CERC). The Central Commission continues as a statutory body under the Electricity Act, 2003, which has come into force with effect from 10th June, 2003.

9. **Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY):** This scheme of rural Electricity Infrastructure and Household Electrification has been introduced in April, 2005 for providing access to electricity to all rural households. Rural Electrification Corporation (REC) is the nodal agency for the programme. Under the scheme, projects can be financed with 90% capital subsidy for provision of Rural Electricity Distribution Backbone (REDB), creation of Village Electrification Infrastructure (VEI) and Decentralised Distributed Generation and Supply. REDB, VEI and DDG would also cater to the requirement of agriculture and other activities. Under this scheme un-electrified Below Poverty Line (BPL) households will get electricity connection free of charge. The continuation of the scheme in XI

Plan was sanctioned on 3rd January, 2008 with the capital subsidy of ₹ 28,000 Crore in Phase-I. To increase the coverage of small habitations, Government sanctioned electrification of habitations upto 100 population instead of 300. RGGVY is a flagship Scheme for creation of Rural Electricity Infrastructure and household electrification. The targets for the year 2012-13 is for electrification of 4800 un-electrified villages and offering electricity connections to the 34 lakh BPL households.

11. **Funds for Evaluation Studies and Consultancy:** This provision is for conducting evaluation studies of various projects/programmes/ schemes.

12. **Appellate Tribunal for Electricity:** Under the provisions of Electricity Act, 2003, the Central Government has set up the Appellate Tribunal for Electricity. It hears appeals against the orders of the adjudicating officer or the Appropriate Commissions under the Electricity Act, 2003. Under the provisions of the Petroleum and Natural Gas Regulatory Board Act, 2006, APTEL is the Appellate Tribunal for the purpose of that Act.

13. **Joint Electricity Regulatory Commission (JERC) for UTs:** The Central Government has set up a Joint Electricity Regulatory Commission (JERC) for Goa and all Union Territories except Delhi. Expenditure of the Joint Commission is borne by the Central Government and the Government of Goa in the ratio of 6:1.

14. **Comprehensive Award Scheme:** Shields and Certificates are given away by the Ministry of Power to the generating stations, transmission and distribution utilities as well as rural distribution franchisees for recognizing meritorious performance in operation, project management and environmental protection.

15. **Energy Conservation:** The funds would be utilized for carrying out the Energy Conservation related activities i.e. National level awareness campaign, National Energy Conservation Awards and National level Painting Competition for children. One of the Missions is National Mission for Enhanced Energy Efficiency. This is being pursued by MoP and Bureau of Energy Efficiency (BEE).

16. **Bureau of Energy Efficiency (BEE):** Fund would be provided to BEE for implementation of its various plan schemes. A number of Demand Side Management (DSM) have been initiated by Government to reduce the overall power consumption and improving efficiency of agriculture irrigation, water pumping, street lighting and sewage pumping to reduce the subsidy burden of the states and energy cost incurred by municipalities. Government has approved Bachat Lamp Yojana (BLY) scheme that seeks to promote energy efficient and high quality compact fluorescent lamps (CFLs) as replacement of incandescent bulbs in household. A Standard & Labeling (S&L) programme has been

launched to reduce the end use consumption by applying labeling for equipments/appliances and mandatory labeling for energy consuming appliances category. Schemes such as Energy Conservation Building Code (ECBC), strengthening of State Designated Agencies (SDA) Energy Efficiency in Small and Medium Enterprises (SMEs), State Energy Conservation Fund and Super Energy Efficient Appliances Programme (SEEP) also launched to promote energy conservation, efficiency to avoid targeted generation capacity.

17. **Re-structured Accelerated Power development Reforms Programme(R-APDRP):** The objective of the programme is to facilitate State Power Utilities to reduce the level of AT&C loss to 15%. The programme has two major components. Part-A includes projects for establishment of information technology based energy accounting and audit system leading to finalization of verifiable base-line AT&C loss levels in the project areas. Part-B envisages distribution network strengthening investments leading to reduction in loss level.

18. **Assistance to Forum of Regulator for Capacity Building:** There is a provision for providing funds to Forum of Regulators for capacity building and availing consultancy.

21. **National Electricity Fund (Interest Subsidy Scheme):** The National Electricity Fund (NEF) is being set up to provide interest subsidy on loans to be disbursed to the Distribution Companies (DISCOMS) both in the Public and Private Sector, to improve the distribution network for areas not covered by RGGVY and RAPDRP Project areas, the pre condition for eligibility are linked to certain reform measures taken by States and the amount of interest subsidy is linked to the progress achieved in reforms linked parameters. The nodal agency for NEF would be Rural Electrification Corporation Ltd. The implementation of the Scheme would result in reduction in AT&C losses, reduction of gap between average cost of supply and average revenue on subsidy received basis, improving return on Equity and issue of notification of multi year tariff alongwith investment in Distribution Sector. This Scheme will facilitate Central Govt. intervention, and catalyst for revamping and restructuring the State Sector Distribution Scheme. The CCEA has approved the NEF Scheme on 13.12.2011.

26. **220kV transmission line from Srinagar to Leh via Kargil:** The new scheme added in the SBE is to be approved by PIB/ CCEA.

27.03. **Strengthening of Transmission System in the States of Arunachal Pradesh & Sikkim:** The new scheme added in the SBE is to be approved by PIB/ CCEA.

28. **Investment in Public Enterprises:**

28.01. **NTPC Limited:** NTPC was set up in 1975 as a Central Sector generating company for the development of thermal power. The Corporation has grown rapidly to become the largest thermal generating company in India. Company has diversified into hydro power, power trading, coal mining etc. In order to embody its diverse operations the company has been rechristened as NTPC Limited. As on 31 December, 2011 the authorized share capital of NTPC is ₹ 10,000 crore and paid up capital is ₹ 8,245.50 crore. NTPC including its JVs & subsidiaries has installed capacity of 36,014 MW as on 31 December, 2011.

28.02. **NHPC Limited:** NHPC Ltd. was incorporated in 1975 under Companies Act 1956. NHPC is a schedule A Enterprise of the Government of India with an authorized share capital of ₹ 15,000 crore and paid up capital as on 31 March, 2011 is ₹ 12300.74 crore. The total installed

capacity of NHPC as on 31.12.2011 including that of NHDC (Joint Venture Company with Govt. of Madhya Pradesh) is 5295 MW through 14 projects.

28.03. **Damodar Valley Corporation (DVC):** DVC was established in 1948 for the promotion and operation of irrigation, water supply, drainage, generation, transmission and Hydro-electric Power in Damodar Valley. The total installed capacity of DVC as on 31.12.2011 is 5439.70 MW.

28.04. **North Eastern Electric Power corporation (NEEPCO):** North Eastern Electric Corporation Ltd. (NEEPCO), a Schedule A Government of India Enterprise under the Ministry of Power was set up on 02 April, 1976 under the Indian Companies Act, 1956 with the objective of developing the power potential of the North Eastern Region of the country through planned, development & commissioned of power generation projects, which in turn would effectively promote the development of the North Eastern Region. Since then NEEPCO has grown into one of the pioneer Public Sector Undertaking under the Ministry of Power, Govt. of India, with an authorized share capital of ₹ 5000 crore and having an installed capacity of 1,130 MW (755 MW Hydro & 375 MW Thermal), which meets more than 60% of the energy requirements of the N.E. Region.

28.05. **SJVN Limited:** SJVN Limited (formerly Nathpa Jhakri Power Corporation) was established on 24 May, 1988 as a joint venture of the Government of India (GOI) and the Government of Himachal Pradesh (GOHP) with an equity participation in the ratio of 75:25 respectively, to plan, investigate, organize, execute, operate and maintain Hydro-electric power projects. Govt. of India through an Initial Public Offer (IPO) of SJVN in the month of May, 2010, offered 10.03% of its share to the public and financial institutions. SJVN is a Schedule A, Mini Ratna company. The present authorized share capital of SJVN is ₹ 7000 crore.

28.06. **THDC India Limited:** THDC INDIA LTD., a Miniratna & Schedule A Company, was incorporated as a joint venture of Government of India and Government of Uttar Pradesh in July, 1988 to develop, operate and maintain the Tehri Hydro Power Complex and other projects. The Tehri Hydro Power Complex (2400 MW) comprises Tehri HEP(1000 MW), Tehri PSP(1000 MW) & Koteshwar HEP(400 MW). While Tehri HEP(1000 MW) is under operation since 2007, Tehri PSP (1000 MW) is under construction and 3 units of 100 MW each of Koteshwar HEP (400 MW) are under operation. The last unit of Koteshwar HEP is expected to be commissioned by March, 2012.

28.07. **PGCIL:** Power Grid Corporation of India Limited (POWERGRID) was incorporated as a Government of India enterprise on 23 October, 1989 under the Companies Act, 1956 with an authorized share capital of ₹ 5,000 crore, which has been enhanced to ₹ 10,000 crore in 2007-08 and paid up capital as on 31 March, 2011 is ₹ 4,629.73 crore. The inter-regional transmission capacity of POWERGRID as on 31.12.2011 is 23,800 MW.