

MINISTRY OF POWER**DEMAND NO. 74****Ministry of Power**

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

		<i>(In crores of Rupees)</i>								
Major Head	Budget 2009-2010			Revised 2009-2010			Budget 2010-2011			
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
Revenue	7341.00	-28.00	7313.00	5226.70	-163.67	5063.03	6201.16	-155.13	6046.03	
Capital	1889.00	...	1889.00	1587.30	...	1587.30	4428.84	...	4428.84	
Total	9230.00	-28.00	9202.00	6814.00	-163.67	6650.33	10630.00	-155.13	10474.87	
1. Secretariat-Economic Services	3451	2.00	23.00	25.00	1.00	22.30	23.30	1.00	21.79	22.79
2. <i>Waiver of Guarantee fee</i>										
2.01 National Hydro Electric Power Corporation Ltd.	2075	...	...	...	...	75.74	75.74	...	...	...
2.02 Less Receipts Netted	0075	...	...	...	...	-75.74	-75.74	...	...	...
<i>Net</i>		...	...	...	...	...	...	...	...	...
Power										
General										
3. Central Electricity Authority	2801	11.00	86.14	97.14	8.07	72.80	80.87	12.16	65.64	77.80
	4801	4.00	...	4.00	3.30	...	3.30	2.84	...	2.84
<i>Total</i>		15.00	86.14	101.14	11.37	72.80	84.17	15.00	65.64	80.64
4. <i>Research and Development</i>										
4.01 Central Power Research Institute, Bengaluru	2801	55.00	...	55.00	41.50	...	41.50	78.18	...	78.18
5. <i>Training</i>										
5.01 National Power Training Institute (NPTI)	2801	20.00	2.00	22.00	20.00	6.40	26.40	20.00	6.40	26.40
6. Setting up of JERC for Manipur & Mizoram	2801	1.25	...	1.25	0.82	...	0.82	1.25	...	1.25
7. Central Electricity Regulatory Commission	2801	...	7.00	7.00	...	4.00	4.00	...	4.00	4.00
8. <i>Transfer to National Investment Fund (NIF)</i>	2801	...	...	...	3158.00	...	3158.00	5052.00	...	5052.00
8.1 Amount met from NIF										
8.1.01 Subsidy for Rural Electrification -RGGVY	2801	...	...	...	-3100.00	...	-3100.00	-5000.00	...	-5000.00
8.1.02 APDRP	2801	...	...	...	-58.00	...	-58.00	-52.00	...	-52.00
<i>Net</i>		...	...	...	...	...	...	...	...	...
9. Subsidy for Rural Electrification - RGGVY	2801	6300.00	...	6300.00	4496.60	...	4496.60	4852.00	...	4852.00
10. Consultancy Charges for APDRP Projects	2801	30.00	...	30.00	10.52	...	10.52	19.48	...	19.48
11. Funds for Evaluation Studies and Consultancy	2801	1.00	...	1.00	0.10	...	0.10	1.00	...	1.00
12. Appellate Tribunal for Electricity	2801	...	6.00	6.00	...	5.49	5.49	...	6.95	6.95
13. Setting up of Joint SERC for UTs and Goa	2801	...	3.00	3.00	...	3.50	3.50	...	4.00	4.00
14. Comprehensive Award Scheme for Power Sector	2801	0.74	...	0.74	0.65	...	0.65	0.75	...	0.75
15. Energy Conservation	2801	56.00	...	56.00	18.00	...	18.00	143.94	...	143.94
16. Bureau of Energy Efficiency	2801	82.00	...	82.00	57.84	...	57.84	66.92	...	66.92
17. APDRP	2801	80.00	...	80.00	66.00	...	66.00	100.00	...	100.00
18. Assistance to Forum of Regulator Capacity Building	2801	2.00	...	2.00	2.00	...	2.00	2.00	...	2.00
19. World Bank grant under PHRD to THDC	2801	0.01	...	0.01	0.20	...	0.20	...	...	...
20. Loan to PFC for APDRP	6801	1477.00	...	1477.00	1221.00	...	1221.00	3230.00	...	3230.00
21. Interest Subsidy National Electricity Fund	2801	...	...	...	...	...	...	227.64	...	227.64
22. Interest Subsidy to NTPC (AGNSP)	2801	...	...	...	...	...	...	26.84	...	26.84
Total-General		8120.00	104.14	8224.14	5946.60	92.19	6038.79	8785.00	86.99	8871.99

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		Budget 2009-2010			Revised 2009-2010			(In crores of Rupees) Budget 2010-2011			
Major Head		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
Thermal Power Generation											
23.	<i>Badarpur Thermal Power Station</i>										
	26.01 Revenue Expenditure	2801	...	149.59	149.59	...	26.57	26.57	...	24.80	24.80
	26.02 Less Revenue Receipts	0801	...	-304.73	-304.73	...	-304.73	-304.73	...	-288.71	-288.71
	Net Expenditure		...	-155.14	-155.14	...	-278.16	-278.16	...	-263.91	-263.91
Transmission and Distribution											
24.	<i>Lumpsum provision for Projects/ Schemes for the benefit of NE region & Sikkim</i>										
	24.01 Subsidy for Rural Electrification -RGGVY	2552	700.00	...	700.00	503.40	...	503.40	648.00	...	648.00
	24.02 Loan to PFC under APDRP	6552	173.00	...	173.00	143.00	...	143.00	370.00	...	370.00
	24.03 Investment in Public Enterprises in N.E. Region	4552	50.00	...	50.00	35.00	...	35.00	45.00	...	45.00
	<i>Total</i>		923.00	...	923.00	681.40	...	681.40	1063.00	...	1063.00
	Total-Power		9043.00	-51.00	8992.00	6628.00	-185.97	6442.03	9848.00	-176.92	9671.08
25.	<i>Investments in Public Enterprises other than NE Region</i>										
	25.01. Loans for Power Projects	6801	185.00	...	185.00	185.00	...	185.00	781.00	...	781.00
	Grand Total		9230.00	-28.00	9202.00	6814.00	-163.67	6650.33	10630.00	-155.13	10474.87
B. Investment in Public Enterprises											
	Head of Dev	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total	
25.01	National Thermal Power Corporation Ltd.	12801	...	17700.00	17700.00	...	14760.00	14760.00	...	22350.00	22350.00
25.02	National Hydro Electric Power Corporation Ltd.	12801	185.00	4482.99	4667.99	185.00	3577.74	3762.74	781.00	4108.34	4889.34
25.03	Damodar Valley Corporation	12801	...	8313.34	8313.34	...	8109.45	8109.45	...	8539.78	8539.78
25.04	North Eastern Electric Power Corporation Ltd. (North Eastern Region Component)	12801	50.00	774.70	824.70	35.00	411.67	446.67	45.00	841.30	886.30
25.05	Satluj Jal Vidyut Nigam Ltd.	12801	...	580.06	580.06	...	466.85	466.85	...	525.17	525.17
25.06	Tehri Hydro Development Corporation Ltd.	12801	...	535.18	535.18	...	629.89	629.89	...	856.83	856.83
25.07	Power Grid Corporation of India Ltd.	12801	...	11510.00	11510.00	...	10500.00	10500.00	...	12900.00	12900.00
	Total		235.00	43896.27	44131.27	220.00	38455.60	38675.60	826.00	50121.42	50947.42
C. PLAN OUTLAY											
Central Sector Plan											
1.	Power	12801	8307.00	43896.27	52203.27	6132.60	38455.60	44588.20	9567.00	50121.42	59688.42
2.	North Eastern Areas	22552	923.00	...	923.00	681.40	...	681.40	1063.00	...	1063.00
	Total		9230.00	43896.27	53126.27	6814.00	38455.60	45269.60	10630.00	50121.42	60751.42

1. **Secretariat:** Provision is for expenditure on establishment matters for the Secretariat of the Ministry of Power.

3. **Central Electricity Authority:** The Central Electricity Authority coordinates the activities of the 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:** A Provision has been made for expenditure on National Power Training Institute which 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:** One Joint Electricity Regulatory Commission (JERC) has been set up for Manipur and Mizoram. A provision has been made for incurring expenditure on establishment and other activities of the Commission.

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 with a quasi-judicial status under the Electricity Act, 2003. A provision has been made for incurring expenditure on establishment and other activities of CERC.

8. The transfer to the NIF relates to the disinvestment proceeds being utilized for part funding of Rajiv Gandhi Gramin Vidyutikaran Yojana (RGGVY) and Accelerated Power Development Reform Programme (APDRP) as Grants-in-aid for creation of capital assets.

9. **Rajiv Gandhi Gramin Vidyutikaran Yojana:** RGGVY, a flagship scheme and a component of Bharat Nirman was launched in April, 2005 with a mandate to electrify over one lakh villages and release electricity connections to 2.3 crore rural BPL households in five years. As per census 2001, 44% of the rural households have access to electricity. Improvement of rural electricity infrastructure is essential to empower rural India and unleash its full growth potential. 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 (DDG). 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 Rs. 28,000 crore in Phase-I. To increase the coverage of small habitations, Government sanctioned electrification of habitations upto a population of 100 instead of 300.

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 handles appeals against the orders of the adjudicating officer or the Appropriate Commissions under the Electricity Act, 2003.

13. **Joint Electricity Regulatory Commission (JERC) for UTs:** One Joint Electricity Regulatory Commission (JERC) has been set up for UTs except Delhi. A provision has been made for incurring expenditure on establishment and other activities of the Commission.

14. **Comprehensive Award Scheme:** The scheme for awarding shields / certificate is being implemented by the Ministry of Power for outstanding performance of the Thermal Power Stations, Utilities and distribution franchisees.

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. This includes 8 National Missions which spell out long term and integrated strategies for achieving key goals. 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):** Funds would be provided to BEE for the implementation of its various Plan schemes as a number of Demand Side Measures (DSM) have been initiated by the Government to promote energy conservation and efficiency. Government has approved a voluntary scheme called Bachat Lamp Yojana that seeks to promote replacement of inefficient incandescent bulbs with Compact Fluorescent Lamps (CFLs) by leveraging the sale of Certified Emission Rights (CERs). A Standards and Labeling programme has been launched to promote use of energy efficient equipment and appliances in the

country through consumer guidance. Further, the Energy Conservation Building Code has been launched to reduce energy consumption in commercial buildings. Government has also approved a scheme for the strengthening of SDAs (State Designated Agencies) for capacity building at the State level. A scheme for Agriculture and Municipal Demand Side Management has been formulated for reducing power consumption in Agriculture and Municipal Sectors. Another scheme for energy efficiency in Small and Medium Enterprises (SMEs) is also proposed for capturing large potential of energy savings in SMEs.

17. **Restructured Accelerated Power Development Reform Programme (APDRP):** The focus of the Restructured APDRP approved in July, 2008 for the 11th Plan is on actual, demonstrable performance in terms of loss reduction. The objective of the programme is to facilitate State Power Utilities to reduce the level of AT&C losses to 15%. The programme has two major components. Part A will include 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 levels. Initially, funds for the projects under both the parts are to be provided through loan (100% for Part A and 25% for Part B except special category and North-Eastern states for which under Part B 90% loan will be provided) which will be converted into grant on fulfillment of conversion conditionalities. Besides, there is an enabling component namely, Part C under which grant will be provided to meet the expenditure for facilitating activities of the programme.

18. **Assistance to Forum of Regulator for Capacity building:** The provision is for organizing full time training programmes every year to provide training to staff of the Central/ State Electricity Regulatory Commissions. The Forum of Regulator will also organize orientation programmes for Chairperson/ Members of the Central/State Electricity Regulatory Commissions.

21. **National Electricity Fund (Interest Subsidy Scheme):** In pursuance of the announcement made in the Budget (2008-09) for creation of a National Electricity Fund (NEF) for providing loan to the States for improving their distribution / transmission infrastructure, a Committee was constituted. Based on the recommendations of the Committee to provide interest subsidy, PFC would prepare terms and conditions for release of interest subsidy amount and shall be the Nodal Agency to process the claims for subsidy.

25. **Investment in Public Enterprises:-**

25.01 **National Thermal Power Corporation Limited (NTPC) :** NTPC was set up in November, 1975 as a thermal power generating company with the main objective of construction of Thermal Power Projects at coalpit heads. The total installed capacity of NTPC (Including its Joint venture companies) as on 31.01.2010 is 31,134 MW (Singrauli, Korba, Ramagundam-I, II & III, Farakka, Vindhyachal I, II & III, Rihand I & II, Anta, Auraiya, Kawas, Kahalgaon-I & II, Sipat-II, NCTPP Dadri I & II, Dadri Gas, Unchahar I, II & III, Gandhar GPP, Talcher I & II, TTPS, Kayamkulam, Faridabad GBPP, Tanda TPS, Simhadri, Badarpur, NTPC SAIL Power Co. P Ltd., & Ratnagiri PP Ltd).

25.02 **National Hydro Electric Power Corporation Limited (NHPC):** NHPC was set up in 1975 with a view to securing speedy, efficient and economical execution and operation of hydro-electric projects in the Central Sector. The Corporation has so far completed construction of 11 projects (Bairasiul, Loktak,

Salal I & II, Tanakpur, Chamera-II, Uri, Rangit, Dhauliganga, Chamera I, Teesta V and Dulhasti) in the Central Sector and 2 projects in joint venture i.e. Indira Sagar and Omkareshwar. It has also completed 3 projects on deposit work/turn key basis. The total installed capacity of NHPC including that of NHDC is 5175 MW.

25.03 **Damodar Valley Corporation (DVC):** DVC was established in July, 1948 for the promotion and operation of irrigation, water supply, drainage, generation, transmission and hydro-electric power in the Damodar Valley. The total installed capacity of DVC as on 31.12.2009 is 3299.7 MW.

25.04 **North Eastern Electric Power Corporation (NEEPCO):** NEEPCO was registered as a company under the Companies Act, 1956 on 2nd April, 1976 with the objective to plan, survey, investigate, design, construct, operate and maintain power stations in the N.E. Region. The total installed capacity of NEEPCO is 1130 MW as on 31.12.2009.

25.05. **SatluJ Jal Vidyut Nigam Limited (SJVN):** (formerly Nathpa Jhakri Power Corporation Limited – NJPC) was incorporated on May 24, 1988 as a joint venture of the Government of India and the Government of Himachal Pradesh to plan, investigate, execute, operate and maintain Hydro-electric power projects in the river SatluJ basin in the state of Himachal Pradesh. Nathpa Jhakri Hydro Electric Power Project (1500 MW), the largest underground hydro electric project has been commissioned. SJVNJ has been allocated the projects of Rampur HEP (412 MW),

Luhri HEP (775 MW), Dhaulasidh (40 MW) in Himachal Pradesh and Naitwar-Mori (59 MW), Jakhol-Sankari(45 MW), Devsari (252 MW) in Uttrakhand. They have also bagged through ICB for construction of 402 MW Arun-III HEP in Nepal on BOOT basis.

25.06 **Tehri Hydro Electric Development Corporation Limited (THDC):** THDC was incorporated as a joint venture of Government of India and Government of Uttar Pradesh in July, 1988 for integrated and efficient utilization of the hydro resources of Bhagirathi river and its tributaries at Tehri and down stream. THDC has been assigned the execution of Tehri Hydro Complex (2400 MW) comprising, (a) Tehri Dam and HE Project Stage-I (1000 MW), (b) Koteswar Dam and HE project (400 MW) and (c) Tehri Pump Storage Plant (1000 MW). Tehri Dam and HE Project Stage-I has been completed whereas Koteswar Dam HE Project, Tehri PSP and Vishnugad Pipalkoti HEP (444 MW) are under construction. The installed capacity of THDC as on 31.12.2009 is 1000 MW.

25.07 **Power Grid Corporation of India Limited (PGCIL):** PGCIL was incorporated in 1989 to establish and operate the regional and national grid to facilitate transfer of power within and across the regions with reliability, security and economy on sound commercial principles. The transmission systems of NTPC, NHPC, NEEPCO and NLC were transferred with effect from April, 1992 to PGCIL. PGCIL transmission network carries about 43% of the total power generated in the country. The inter-regional transmission capacity of PGCIL as on 31.12.2009 is 20,800 MW.