

MINISTRY OF POWER

DEMAND NO. 74

Ministry of Power

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

(In crores of Rupees)

Major Head	Budget 2008-2009			Revised 2008-2009			Budget 2009-2010			
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
Revenue	5693.44	75.00	5768.44	5690.63	-46.26	5644.37	6341.00	-28.00	6313.00	
Capital	306.56	...	306.56	409.37	...	409.37	1889.00	...	1889.00	
Total	6000.00	75.00	6075.00	6100.00	-46.26	6053.74	8230.00	-28.00	8202.00	
1. Secretariat-Economic Services	3451	1.00	13.09	14.09	1.00	17.18	18.18	2.00	23.00	25.00
Power General										
2. Central Electricity Authority	2801	8.45	45.24	53.69	8.89	64.68	73.57	11.00	86.14	97.14
	4801	6.55	...	6.55	6.55	...	6.55	4.00	...	4.00
<i>Total</i>		<i>15.00</i>	<i>45.24</i>	<i>60.24</i>	<i>15.44</i>	<i>64.68</i>	<i>80.12</i>	<i>15.00</i>	<i>86.14</i>	<i>101.14</i>
3. Research and Development										
3.01 Central Power Research Institute, Bangaluru	2801	50.00	...	50.00	30.00	...	30.00	55.00	...	55.00
4. <i>Training</i>										
4.01 National Power Training Institute(NPTI)	2801	20.00	2.00	22.00	18.75	7.28	26.03	20.00	2.00	22.00
5. Setting up of JERC for Manipur & Mizoram	2801	1.50	...	1.50	1.44	...	1.44	1.25	...	1.25
6. Central Electricity Regulatory Commission	2801	...	6.50	6.50	...	7.27	7.27	...	7.00	7.00
7. Interest Subsidy to Power Finance Corporation	2801	0.01	...	0.01	0.01	...	0.01	...	...	...
8. Subsidy for Rural Electrification - RGGVY	2801	5055.00	...	5055.00	4933.82	...	4933.82	5400.00	...	5400.00
9. Consultancy Charges for APDRP Projects	2801	0.01	...	0.01	...	...	...	30.00	...	30.00
10. Funds for Evaluation Studies and Consultancy	2801	2.90	...	2.90	2.90	...	2.90	1.00	...	1.00
11. Appellate Tribunal for Electricity	2801	...	5.50	5.50	...	5.00	5.00	...	6.00	6.00
12. Setting up of Joint SERC for UTs and Goa	2801	...	2.67	2.67	...	2.91	2.91	...	3.00	3.00
13. Comprehensive Award Scheme for Power Sector	2801	0.57	...	0.57	0.65	...	0.65	0.74	...	0.74
14. Future Gen Project	2801	6.00	...	6.00	...	...	...	...	...	...
15. Energy Conservation	2801	10.00	...	10.00	28.70	...	28.70	18.00	...	18.00
16. Bureau of Energy Efficiency	2801	90.00	...	90.00	70.00	...	70.00	120.00	...	120.00
17. APDRP	2801	1.00	...	1.00	25.00	...	25.00	80.00	...	80.00
18. Assistance to FoR for Capacity Building	2801	2.00	...	2.00	1.25	...	1.25	2.00	...	2.00
19. Scheme for Equity Gap Funding	4801	0.01	...	0.01	...	...	...	...	...	...
20. World bank grant under PHRD to THDC	2801	...	...	...	2.04	...	2.04	0.01	...	0.01
21. Loan to PFC for APDRP	6801	...	...	...	325.00	...	325.00	1477.00	...	1477.00
Total-General		5254.00	61.91	5315.91	5455.00	87.14	5542.14	7220.00	104.14	7324.14
Thermal Power Generation										
22. <i>Badarpur Thermal Power Station</i>										
22.01 Revenue Expenditure	2801	...	320.76	320.76	...	170.18	170.18	...	149.59	149.59
22.02 Less Revenue Receipts	0801	...	-320.76	-320.76	...	-320.76	-320.76	...	-304.73	-304.73
Net Expenditure		...	...	...	...	-150.58	-150.58	...	-155.14	-155.14
Transmission and Distribution										
23. <i>Lumpsum provision for Projects/ Schemes for the benefit of NE region & Sikkim</i>										
23.1 Subsidy for Rural Electrification -RGGVY	2552	445.00	...	445.00	566.18	...	566.18	600.00	...	600.00
23.2 Loan to PFC under APDRP	6552	...	...	...	...	...	...	173.00	...	173.00
23.3 Investment in Public Enterprises in N.E. Region	4552	155.00	...	155.00	43.82	...	43.82	50.00	...	50.00
Total		600.00	...	600.00	610.00	...	610.00	823.00	...	823.00
Total-Power		5854.00	61.91	5915.91	6065.00	-63.44	6001.56	8043.00	-51.00	7992.00
24. <i>Investments in Public Enterprises other than NE Region</i>										
24.01 Capital Outlay on Power Project	4801	111.00	...	111.00	...	...	...	...	...	...
24.02. Loans for Power Projects	6801	34.00	...	34.00	34.00	...	34.00	185.00	...	185.00
<i>Total</i>		<i>145.00</i>	<i>...</i>	<i>145.00</i>	<i>34.00</i>	<i>...</i>	<i>34.00</i>	<i>185.00</i>	<i>...</i>	<i>185.00</i>
Grand Total		6000.00	75.00	6075.00	6100.00	-46.26	6053.74	8230.00	-28.00	8202.00

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		Budget 2008-2009			Revised 2008-2009			(In crores of Rupees) Budget 2009-2010			
B.	Head of Dev	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total	
B. Investment in Public Enterprises											
23.03	Project/Schemes for the Development of North Eastern Areas & Sikkim by PSUs	12801	155.00	...	155.00	43.82	...	43.82	50.00	...	50.00
24.01	National Thermal Power Corporation	12801	...	13588.00	13588.00	...	12670.00	12670.00	...	17700.00	17700.00
24.02	National Hydro Electric Power Corporation	12801	34.00	4351.19	4385.19	34.00	3416.00	3450.00	185.00	4482.99	4667.99
24.03	Damodar Valley Corporation	12801	...	6612.65	6612.65	...	5120.69	5120.69	...	8313.34	8313.34
24.04	North Eastern Electric Power Corporation	12801	...	617.50	617.50	...	403.76	403.76	...	774.70	774.70
24.05	Satluj Jal Vidyut Nigam Ltd.	12801	...	556.84	556.84	...	417.76	417.76	...	580.06	580.06
24.06	Tehri Hydro Development Corporation	12801	111.00	693.92	804.92	...	554.26	554.26	...	535.18	535.18
24.07	Power Grid Corporation	12801	...	8040.00	8040.00	...	7624.00	7624.00	...	11510.00	11510.00
Total			300.00	34460.10	34760.10	77.82	30206.47	30284.29	235.00	43896.27	44131.27
C. PLAN OUTLAY											
Central Sector Plan											
1.	Power	12801	5400.00	34460.10	39860.10	5490.00	30206.47	35696.47	7407.00	43896.27	51303.27
2.	North Eastern Areas	22552	600.00	...	600.00	610.00	...	610.00	823.00	...	823.00
Total			6000.00	34460.10	40460.10	6100.00	30206.47	36306.47	8230.00	43896.27	52126.27

1. **Secretariat:** Provision is for secretariat expenditure on establishment matters for the Secretariat.

2. **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.

3. **Research & Development:** Central Power Research Institute, Bangaluru 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.

4. **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.

5. **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.

6. **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 is 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. **Rajiv Gandhi Grameen Vidyutikaran Yojana:** RGGVY, a flagship scheme and a component of not only the Bharat Nirman but also that of National Common Minimum Programme (NCMP), 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. 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 100 population instead of 300.

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

11. **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.

12. **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.

13. **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 and Utilities.

16. Energy Conservation and Bureau of Energy Efficiency (BEE): 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. 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 Standard 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 for energy savings in SMEs.

17. Restructured 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) 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.

24. Investment in Public Enterprises:-

24.01 National Thermal Power Corporation (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 24.01.09 is 29,894 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, 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).

24.02 National Hydro Electric Power Corporation (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.

24.03 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 24-1-2009 is 3299.7 MW.

24.04 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.

24.05. Satluj Jal Vidyut Nigam Ltd. (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. SJVN has been allocated the projects of Rampur HEP (412 MW), Luhri HEP (775 MW), Dhaulasidh(40MW) in Himachal Pradesh and Naitwar-Mori (59 MW) Jakhol-Sankari (45MW), Devsari (252 MW) in Uttrakhand.

24.06 Tehri Hydro Development Corporation (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) Koteshwar 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 Koteshwar Dam HE Project, Tehri PSP and Vishnugad Pipalkoti HEP (444 MW) are under construction. The installed capacity of THDC as on 24-1-2009 is 1000MW.

24.07 Power Grid Corporation of India (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 24-1-2009 is 18,700 MW.