

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

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	4472.72	69.19	4541.91	4112.77	67.74	4180.51	5693.44	75.00	5768.44	
Capital	1010.28	...	1010.28	237.23	...	237.23	306.56	...	306.56	
<b>Total</b>	<b>5483.00</b>	<b>69.19</b>	<b>5552.19</b>	<b>4350.00</b>	<b>67.74</b>	<b>4417.74</b>	<b>6000.00</b>	<b>75.00</b>	<b>6075.00</b>	
1. Secretariat-Economic Services	3451	1.00	12.10	13.10	1.00	11.98	12.98	1.00	13.09	14.09
<b>Power General</b>										
2. Central Electricity Authority	2801	75.33	40.87	116.20	9.15	42.90	52.05	8.45	45.24	53.69
	4801	3.32	...	3.32	0.96	...	0.96	6.55	...	6.55
<i>Total</i>		<i>78.65</i>	<i>40.87</i>	<i>119.52</i>	<i>10.11</i>	<i>42.90</i>	<i>53.01</i>	<i>15.00</i>	<i>45.24</i>	<i>60.24</i>
3. <i>Research and Development</i>										
3.01 Central Power Research Institute, Bangaluru	2801	67.81	...	67.81	40.00	...	40.00	50.00	...	50.00
4. <i>Training</i>										
4.01 National Power Training Institute(NPTI)	2801	28.13	2.00	30.13	14.40	2.00	16.40	20.00	2.00	22.00
5. Setting up of Joint Electricity Regulatory Commission	2801	1.50	...	1.50	0.60	...	0.60	1.50	...	1.50
6. Central Electricity Regulatory Commission	2801	...	6.40	6.40	...	6.00	6.00	...	6.50	6.50
7. Interest Subsidy to Power Finance Corporation	2801	...	...	...	...	...	...	0.01	...	0.01
8. Interest Subsidy for Rural Electrification - RGGVY	2801	3983.00	...	3983.00	3674.09	...	3674.09	5055.00	...	5055.00
9. Consultancy Charges for APDRP Projects	2801	217.50	...	217.50	30.00	...	30.00	0.01	...	0.01
10. Funds for Evaluation Studies and Consultancy	2801	0.40	...	0.40	4.00	...	4.00	2.90	...	2.90
11. Appellate Tribunal for Electricity	2801	...	5.00	5.00	...	4.65	4.65	...	5.50	5.50
12. Setting up of Joint SERC for UTs except Delhi	2801	...	2.82	2.82	...	0.21	0.21	...	2.67	2.67
13. Comprehensive Award Scheme for Power Sector	2801	0.65	...	0.65	0.65	...	0.65	0.57	...	0.57
14. Future Gen Project	2801	10.00	...	10.00	8.15	...	8.15	6.00	...	6.00
15. Energy Conservation	2801	15.00	...	15.00	10.00	...	10.00	10.00	...	10.00
16. Bureau of Energy Efficiency	2801	69.40	...	69.40	45.00	...	45.00	90.00	...	90.00
17. APDRP	2801	1.00	...	1.00	1.00	...	1.00	1.00	...	1.00
18. Assistance to FOR for Capacity Building	2801	2.00	...	2.00	2.00	...	2.00	2.00	...	2.00
19. Scheme for Equity Gap Funding	4801	289.49	...	289.49	1.00	...	1.00	0.01	...	0.01
20. World Bank grant under PHRD to THDC	2801	...	...	...	2.26	...	2.26	...	...	...
<b>Total-General</b>		<b>4764.53</b>	<b>57.09</b>	<b>4821.62</b>	<b>3843.26</b>	<b>55.76</b>	<b>3899.02</b>	<b>5254.00</b>	<b>61.91</b>	<b>5315.91</b>
<b>Thermal Power Generation</b>										
21. <i>Badarpur Thermal Power Station</i>										
21.01 Revenue Expenditure	2801	...	342.00	342.00	...	336.79	336.79	...	320.76	320.76
21.02 Less Revenue Receipts	0801	...	-342.00	-342.00	...	-336.79	-336.79	...	-320.76	-320.76
Net Expenditure		...	...	...	...	...	...	...	...	...
<b>Transmission and Distribution</b>										
22. <i>Lumpsum provision for Projects/ Schemes for the benefit of NE region &amp; Sikkim</i>										
22.1 Projects / Schemes	2552	...	...	...	270.47	...	270.47	445.00	...	445.00
22.2 Investment in Public Enterprises in N.E. Region	4552	707.47	...	707.47	164.53	...	164.53	155.00	...	155.00
<b>Total</b>		<b>707.47</b>	<b>...</b>	<b>707.47</b>	<b>435.00</b>	<b>...</b>	<b>435.00</b>	<b>600.00</b>	<b>...</b>	<b>600.00</b>
<b>Total-Power</b>		<b>5472.00</b>	<b>57.09</b>	<b>5529.09</b>	<b>4278.26</b>	<b>55.76</b>	<b>4334.02</b>	<b>5854.00</b>	<b>61.91</b>	<b>5915.91</b>
23. <i>Investments in Public Enterprises other than NE Region</i>										
23.1. Capital Outlay on Power Project	4801	10.00	...	10.00	70.74	...	70.74	111.00	...	111.00
23.2. Loans for Power Projects	6801	...	...	...	...	...	...	34.00	...	34.00
<i>Total</i>		<i>10.00</i>	<i>...</i>	<i>10.00</i>	<i>70.74</i>	<i>...</i>	<i>70.74</i>	<i>145.00</i>	<i>...</i>	<i>145.00</i>
<b>Grand Total</b>		<b>5483.00</b>	<b>69.19</b>	<b>5552.19</b>	<b>4350.00</b>	<b>67.74</b>	<b>4417.74</b>	<b>6000.00</b>	<b>75.00</b>	<b>6075.00</b>

		(In crores of Rupees)									
B. Investment in Public Enterprises	Head of Dev	Budget 2007-2008			Revised 2007-2008			Budget 2008-2009			
		Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total	
22.02	Project/Schemes for the Development of North Eastern Areas & Sikkim by PSUs	12801	707.47	...	707.47	164.53	...	164.53	155.00	...	155.00
23.01	National Thermal Power Corporation	12801	...	12792.00	12792.00	...	11618.00	11618.00	...	13588.00	13588.00
23.02	National Hydro Electric Power Corporation	12801	...	2500.95	2500.95	...	2768.07	2768.07	34.00	4351.19	4385.19
23.03	Damodar Valley Corporation	12801	...	4271.38	4271.38	...	4288.21	4288.21	...	6612.65	6612.65
23.04	North Eastern Electric Power Corporation	12801	...	552.23	552.23	...	96.76	96.76	...	617.50	617.50
23.05	Satluj Jal Vidyut Nigam Ltd.	12801	...	642.80	642.80	...	399.87	399.87	...	556.84	556.84
23.06	Tehri Hydro Development Corporation	12801	10.00	410.90	420.90	70.74	665.47	736.21	111.00	693.92	804.92
23.07	Power Grid Corporation	12801	...	6500.00	6500.00	...	6504.00	6504.00	...	8040.00	8040.00
<b>Total</b>			<b>717.47</b>	<b>27670.26</b>	<b>28387.73</b>	<b>235.27</b>	<b>26340.38</b>	<b>26575.65</b>	<b>300.00</b>	<b>34460.10</b>	<b>34760.10</b>
<b>C. PLAN OUTLAY</b>											
<b>Central Sector Plan</b>											
1.	Power	12801	4775.53	27670.26	32445.79	3915.00	26340.38	30255.38	5400.00	34460.10	39860.10
2.	North Eastern Areas	22552	707.47	...	707.47	435.00	...	435.00	600.00	...	600.00
<b>Total</b>			<b>5483.00</b>	<b>27670.26</b>	<b>33153.26</b>	<b>4350.00</b>	<b>26340.38</b>	<b>30690.38</b>	<b>6000.00</b>	<b>34460.10</b>	<b>40460.10</b>

1. **Secretariat:** Provision is for secretariat expenditure.

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 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 UTs:** One Joint Electricity Regulatory Commission (JERC) is being set up for UTs except Delhi. 16 posts of various categories including one post each of Chairperson, Member & Secretary have been created for JERC for UTs with the approval of the Cabinet. The process of selection for Chairperson and Member is underway.

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, which has come into force with effect from 10<sup>th</sup> June, 2003. A provision has been made for incurring expenditure on establishment and other activities of CERC.

8. **Rajiv Gandhi Grameen Vidyutikaran Yojna:** This scheme of rural Electricity Infrastructure and Household Electrification has been introduced in April, 2005 for achieving the National Common Minimum Programme objective of providing access to electricity to all rural households over a period of four 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 (DDG) 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. In the Eleventh Plan the capital subsidy is Rs. 28,000 Crore in Phase-I. To increase the coverage of small habitations, electrification of habitations upto 100 population instead of 300 has been approved.

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.

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.

14. **FutureGen Project:** FutureGen Project has been initiated as a multi-national programme in a public-private partnership model for developing emission-free coal-based generation pilot project. Government of India is required to contribute US\$ 10 million to this project. India has become a full charter member in the FutureGen Government Steering Committee (GSC), which will be the mechanism to provide guidance, input and recommendations on the direction of the FutureGen Project.

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. 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 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.

**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.

**Investment in Public Enterprises:-**

**23.01 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 12.2.2008 is 28,644 MW (Singrauli, Korba, Ramagundam-I, II & III, Farakka, Vindhya-chal I & II, Rihand I & II, Anta, Auraiya, Kawas, Kahalgaon-I & II, Sipat-I, NCTPP, Dadri Gas, Unchahar I & II, Gandhar, Talcher I & II, TTPS, Kayamkulam, Faridabad GBPP, Tanda TPS, Simhadri, Badarpur, Durgapur, Rourkela, Bhilai & Ratnagiri PP Ltd).

**23.02 National Hydro Electricity 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 9 projects (Bairasiul, Loktak, Salal I & II, Tanakpur, Chamara-II, Uri, Rangit, Dhauliganga 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 4665 MW. The Corporation is presently engaged in construction of 12 projects with the installed capacity of 5132 MW.

**23.03 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 is 2796.50 MW.

**23.04 North Eastern Electric Power corporation (NEEPCO):** NEEPCO was registered as a company under the Companies Act, 1956 on 2<sup>nd</sup> 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.

**23.05. 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 was commissioned on 18.5.2004 also SJVN has been allocated the projects of Rampur HEP (412 MW), Luhri HEP (776 MW), Khab HEP (1020 MW) and Naitwar-Mori (33 MW) HEPs in Uttaranchal.

**23.06 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 current installed capacity of THDC is 1000 MW.

**23.07 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 40% of the total power generated in the country. The current inter regional transmission capacity of PGCIL is 17,000 MW.