

**MINISTRY OF POWER**

## DEMAND NO. 66

**Ministry of Power**

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

		(In crores of Rupees)								
Major Head	Budget 2001-2002			Revised 2001-2002			Budget 2002-2003			
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
Revenue	517.91	53.80	571.71	789.47	76.49	865.96	727.89	53.60	781.49	
Capital	2770.09	...	2770.09	2910.53	...	2910.53	2572.11	...	2572.11	
<b>Total</b>	<b>3288.00</b>	<b>53.80</b>	<b>3341.80</b>	<b>3700.00</b>	<b>76.49</b>	<b>3776.49</b>	<b>3300.00</b>	<b>53.60</b>	<b>3353.60</b>	
1. Secretariat-Economic Services	3451	0.50	7.53	8.03	0.94	7.07	8.01	2.50	7.16	9.66
<b>Power</b>										
<i>General</i>										
2. Central Electricity Authority	2801	13.04	34.92	47.96	9.01	35.53	44.54	40.24	35.15	75.39
	4801	7.41	...	7.41	2.60	...	2.60	...	...	...
<i>Total</i>		20.45	34.92	55.37	11.61	35.53	47.14	40.24	35.15	75.39
3. Research and Development										
3.01 Central Power Research Institute, Bangalore	2801	8.37	...	8.37	13.25	...	13.25	18.00	...	18.00
3.02 Fundamental & Basic Research	2801	...	...	...	...	...	...	...	...	...
<i>Total</i>		8.37	...	8.37	13.25	...	13.25	18.00	...	18.00
4. Training										
4.01 National Power Training Institute(NPTI)	2801	6.37	4.65	11.02	6.37	4.62	10.99	13.28	5.72	19.00
5. Energy Conservation/EMC	2801	9.88	...	9.88	2.30	...	2.30	...	...	...
6. Setting up of State Electricity Regulatory Comn.	2801	0.50	...	0.50	0.50	...	0.50	...	...	...
7. Electricity Development Fund	2801	...	...	...	...	...	...	...	...	...
8. Incentives Schemes for better performance of TPS/reduction in T&D losses	3601	9.25	...	9.25	10.70	...	10.70	...	...	...
9. Central Electricity Regulatory Commission	2801	...	5.70	5.70	...	4.55	4.55	...	4.57	4.57
10. Interest Subsidy to Power Finance Corporation	2801	350.00	...	350.00	350.00	...	350.00	300.00	...	300.00
11. Interest Subsidy to REC	2801	10.00	...	10.00	...	...	...	...	...	...
12. Interest Subsidy to NTPC	2801	...	...	...	...	23.72	23.72	...	...	...
13. Grants-in-aid to Powergrid Corporation	2801	40.00	...	40.00	326.40	...	326.40	40.00	...	40.00
14. Electrification of Tribal villages in NE States	2801	...	...	...	...	...	...	...	...	...
15. Bureau of Energy Efficiency	2801	...	...	...	...	...	...	50.00	...	50.00
16 Interest Subsidy for Rural Electrification	2801	...	...	...	...	...	...	163.87	...	163.87
17. Sub-transmission & distribution works in the NE Region and Sikkim	3601	...	...	...	...	...	...	...	...	...
<i>Total-General</i>		454.82	45.27	500.09	721.13	68.42	789.55	625.39	45.44	670.83
<i>Thermal Power Generation</i>										
18. Badarpur Thermal Power Station										
18.01 Revenue Expenditure	2801	...	971.00	971.00	...	993.00	993.00	...	1051.81	1051.81
18.02 Less Revenue Receipts	2801	...	-970.00	-970.00	...	-992.00	-992.00	...	-1050.81	-1050.81
Net Expenditure		...	1.00	1.00	...	1.00	1.00	...	1.00	1.00
18.03 Expansion of Badarpur Thermal Power Station	4801	9.31	...	9.31	14.47	...	14.47	1.00	...	1.00
<i>Total</i>		9.31	1.00	10.31	14.47	1.00	15.47	1.00	1.00	2.00
<i>Hydel Generation</i>										
19. Hydel Projects										
19.01 Sardar Sarover Project	4801	36.27	...	36.27	2.51	...	2.51	...	...	...
<i>Transmission and Distribution</i>										
20. Rural Electrification Corporation(Kutir Jyoti)	2801	63.00	...	63.00	63.00	...	63.00	90.00	...	90.00
21. Load Despatching Stations	4801	0.15	...	0.15	0.15	...	0.15	...	...	...
22. Flexible AC Transmission System	4801	...	...	...	...	...	...	...	...	...
<i>Total</i>		63.15	...	63.15	63.15	...	63.15	90.00	...	90.00
23. Projects/Schemes for the development of N.E.Region & Sikkim	2552	7.00	...	7.00	7.00	...	7.00	10.00	...	10.00
	4552	464.70	...	464.70	329.58	...	329.58	658.67	...	658.67

(In crores of Rupees)										
	Major Head	Budget 2001-2002			Revised 2001-2002			Budget 2002-2003		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
24. Rural Electrification Corporation (State Plan)	4801	50.00	...	50.00	50.00	...	50.00	...	...	...
	6801	410.00	...	410.00	...	...	...	...	...	...
	Total	460.00	...	460.00	50.00	...	50.00	...	...	...
<b>Total-Power</b>		<b>1495.25</b>	<b>46.27</b>	<b>1541.52</b>	<b>1187.84</b>	<b>69.42</b>	<b>1257.26</b>	<b>1385.06</b>	<b>46.44</b>	<b>1431.50</b>
25. Investments in Public Enterprises	4801	1579.49	...	1579.49	2193.20	...	2193.20	1887.44	...	1887.44
	6801	212.76	...	212.76	318.02	...	318.02	25.00	...	25.00
	Total	1792.25	...	1792.25	2511.22	...	2511.22	1912.44	...	1912.44
<b>Grand Total</b>		<b>3288.00</b>	<b>53.80</b>	<b>3341.80</b>	<b>3700.00</b>	<b>76.49</b>	<b>3776.49</b>	<b>3300.00</b>	<b>53.60</b>	<b>3353.60</b>
<b>B. Investments in Public Enterprises</b>	<b>Head Of Dev.</b>	<b>Budget Support</b>	<b>I.E.B.R</b>	<b>Total</b>	<b>Budget Support</b>	<b>I.E.B.R</b>	<b>Total</b>	<b>Budget Support</b>	<b>I.E.B.R</b>	<b>Total</b>
25.01 National Thermal Power Corporation	12801	...	3006.00	3006.00	...	2880.00	2880.00	167.63	3338.37	3506.00
25.02 National Hydro Electric Power Corporation	12801	943.25	631.64	1574.89	1511.46	601.31	2112.77	1341.81	1125.89	2467.70
25.03 Damodar Valley Corporation	12801	...	284.00	284.00	...	279.42	279.42	...	840.66	840.66
25.04 North Eastern Electric Power Corporation	12801	...	86.72	86.72	...	50.00	50.00	...	175.28	175.28
25.05 Nathpa Jhakri Power Corporation	12801	562.00	332.00	894.00	820.00	344.00	1164.00	256.00	397.00	653.00
25.06 Tehri Hydro Development Corporation	12801	200.00	1028.17	1228.17	142.76	803.55	946.31	146.00	993.80	1139.80
25.07 Power Grid Corporation	12801	...	2869.00	2869.00	...	2352.00	2352.00	...	3312.00	3312.00
25.08 Rural Electrification Corporation	12801	37.00	...	37.00	37.00	...	37.00	...	...	...
25.09 Power Trading Corporation	12801	50.00	...	50.00	...	...	...	1.00	...	1.00
25.10 Project/Schemes for the Development of North East & Sikkim by PSUs	12801	...	...	...	...	...	...	658.67	...	658.67
	Total	1792.25	8237.53	10029.78	2511.22	7310.28	9821.50	2571.11	10183.00	12754.11
<b>C.PLAN OUTLAY</b>										
Central Sector Plan										
Power	12801	2356.30	8237.53	10593.83	3313.42	7310.28	10623.70	2631.33	10183.00	12814.33
North Eastern Areas	22552	471.70	...	471.70	336.58	...	336.58	668.67	...	668.67
State Plans	43601	460.00	...	460.00	50.00	...	50.00	...	...	...
<b>Total</b>		<b>3288.00</b>	<b>8237.53</b>	<b>11525.53</b>	<b>3700.00</b>	<b>7310.28</b>	<b>11010.28</b>	<b>3300.00</b>	<b>10183.00</b>	<b>13483.00</b>

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

2. **Central Electricity Authority** : The Central Electricity Authority coordinates the activities of the various agencies in relation to control and utilisation of national power resources. It is also responsible for carrying out survey and studies, collection and recording of data concerning generation, distribution, utilisation and development of power resources. Provision has been made for expenditure on Technical Control, Planning and Monitoring, Training, Designs & Consultancy, Regional coordination etc.

3. **Research and Development** : Central Power Research Institute, Bangalore is engaged in research on power. CPRI 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** : Provides for expenditure on National Power Training Institute which is engaged in imparting training in various aspects of power stations, operation and maintenance.

9. **Central Electricity Regulatory Commission** : Provides for expenditure on activities of the Commission relating to tariff matters.

10. **Interest Subsidy to Power Finance Corporation** : Under the Accelerated Generation and Supply Programme (AG&SP) interest subsidy is given to SEBs for R&M of Power Plants, Generation Schemes, Missing Transmission Links etc.

13. **Grant-in-aid to Powergrid Corporation**: Provision is for setting up Regional Load Despatch Centre in the North East state.

15. **Bureau of Energy Efficiency** : Government is in the process of setting up of Bureau of Energy Efficiency for promoting energy Conservation activities.

16. **Interest Subsidy for Rural Electrification** : Provision is for Interest Subsidy to be given to SEBs for Rural Electrification.

18. **Badarpur Thermal Power Station** : The Management of Badarpur Thermal Power Station which is owned by Government of India, is being managed by NTPC on an agency basis. All the five units in Stage I, II and III are under commercial operation.

20. **Kutir Jyoti Programme**: In order to improve the quality of rural population living below poverty line including Harijans and Adivasi families, Central Government launched the "Kutir Jyoti" scheme in 1989 for extending single point light connection to the house holds of the poor section of the society. During 2001-2002, 75599 connections were released upto September, 2001.

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

25.01 **National Thermal Power Corporation (NTPC)** : NTPC was set up in November, 1975 in Central Sector as a thermal

power generating company, with the main objective of construction of Super Thermal Power Projects at Coalpit heads. The Corporation has commissioned a total capacity of 19435 MW as on 31.12.2001. NTPC is presently operating and executing 12 thermal power projects and 7 gas based combined cycle power projects with a total approved capacity of 23935 MW. From the year 2002-03 Government is providing budgetary support to the corporation for their new schemes amounting to Rs. 167.63 crores.

**25.02 National Hydro-electric Power Corporation (NHPC)** : National Hydro-electric Power Corporation (NHPC) was set up in 1975 with a view to securing speedy, efficient and economical completion and operation of hydro electric projects in the Central Sector. The Corporation has so far completed construction of 8 Hydro-electric Projects, and added 2239.35 MW of generating capacity till the end of March, 2001 by way of completion of these projects. The Corporation is presently engaged in the construction of Dulhasti project (390 MW) in J&K, Dhauliganga Project Stage-I (280 MW) in U.P. and Chamera stage-II (300 MW) in Himachal Pradesh, Teesta Stage-V (510 MW) in Sikkim, Loktak Downstream (90 MW) in Manipur. The NHPC is also executing Kalpong and Kurichu projects on agency basis.

**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 distribution of thermal and hydro-electric power in the Damodar Valley.

**25.04 North Eastern Electric Power Corporation (NEEPCO)** : NEEPCO set up in 1976 as a Power Development Agency in the North Eastern Region has a total installed capacity of 625 MW comprising of Assam Gas based combined cycle Power project 291 MW, Kopili HE Project-250 MW and Agartala Gas Turbine Project-84 MW. At present, the corporation is engaged in executing Tuirial HE project 60 MW in Mizoram and Kopili HE project Stage-II (25 MW) in Assam under the Central Sector and Doyang HE Project - 75 MW in Nagaland and Ranganadi Project (405 MW) in Arunachal Pradesh under the North Eastern Council. In addition Kameng HE Project (210

MW) in Arunachal Pradesh, Tuivai HE Project (210 MW) in Mizoram, Tipaimukh HE Project (1500 MW) in Manipur and Lower Kopili HE Project (150 MW) in Assam, Ranganadi HE Project-Stage-II (180MW) & Dikxong-HE Project (100 MW), Arunachal Pradesh are the new projects proposed to be taken up by NEEPCO during the 10th Five Year Plan.

**25.05 Nathpa-Jhakri Power Corporation(NJPC)** : Nathpa Jhakri Power Corporation was incorporated in May, 1988 to promote, organise, execute, operate and maintain hydro electric power projects in the Satluj basin in Himachal Pradesh. The corporation is presently executing Nathpa Jhakri HEP (1500 MW). The project is a Joint Venture of the Government of India and Government of Himachal Pradesh. The two partners will share the cost of the project in the ratio of 75: 25 respectively.

**25.06 Tehri Hydro Development Corporation (THDC)** : Tehri Hydro Development Corporation was incorporated as a joint venture of Government of India and Government of Uttar Pradesh in July, 1988 for integrated and efficient utilisation 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 Project (1000 MW). Presently the Corporation is executing Tehri Dam and HE Project Stage-I (1000 MW). The Corporation has taken up the Koteshwar Dam HE Project (400 MW) which is expected to be completed by 2005.

**25.07 Power Grid Corporation:** The Power Grid Corporation of India Limited 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. As per Acts passed by the Parliament, the transmission systems of NTPC, NHPC, NEEPCO and NLC were transferred with effect from April, 1992 to PGCIL. Powergrid Corporation transmission network carried around 40% of total power generated in the country.