

**MINISTRY OF POWER****DEMAND NO. 70****Ministry of Power**

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

<i>(In crores of Rupees)</i>										
Major Head	Budget 2002-2003			Revised 2002-2003			Budget 2003-2004			
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
Revenue	727.89	53.60	781.49	754.16	56.00	810.16	676.92	56.84	733.76	
Capital	2572.11	...	2572.11	1845.84	...	1845.84	2823.08	...	2823.08	
<b>Total</b>	<b>3300.00</b>	<b>53.60</b>	<b>3353.60</b>	<b>2600.00</b>	<b>56.00</b>	<b>2656.00</b>	<b>3500.00</b>	<b>56.84</b>	<b>3556.84</b>	
1. Secretariat-Economic Services	3451	2.50	7.16	9.66	2.00	8.00	10.00	1.00	8.24	9.24
<b>Power</b>										
<i>General</i>										
2. Central Electricity Authority	2801	40.24	35.15	75.39	20.42	35.44	55.86	26.32	35.90	62.22
	4801	...	...	...	1.21	...	1.21	3.14	...	3.14
<i>Total</i>		<b>40.24</b>	<b>35.15</b>	<b>75.39</b>	<b>21.63</b>	<b>35.44</b>	<b>57.07</b>	<b>29.46</b>	<b>35.90</b>	<b>65.36</b>
3. Research and Development										
3.01 Central Power Research Institute, Bangalore	2801	18.00	...	18.00	18.00	...	18.00	25.00	...	25.00
4. Training										
4.01 National Power Training Institute(NPTI)	2801	13.28	5.72	19.00	13.28	6.81	20.09	24.60	6.70	31.30
5. Central Electricity Regulatory Commission	2801	...	4.57	4.57	...	4.75	4.75	...	5.00	5.00
6. Interest Subsidy to Power Finance Corporation	2801	300.00	...	300.00	300.00	...	300.00	300.00	...	300.00
7. Grants-in-aid to Powergrid Corporation	2801	40.00	...	40.00	110.00	...	110.00	80.00	...	80.00
8. Bureau of Energy Efficiency	2801	50.00	...	50.00	51.21	...	51.21	...	...	...
9. Interest Subsidy for Rural Electrification	2801	163.87	...	163.87	163.87	...	163.87	100.00	...	100.00
10. Grant to NEEPCO	2801	...	...	...	20.38	...	20.38	...	...	...
11. Aid Materials and Equipment-Gross	3606	...	...	...	20.38	...	20.38	...	...	...
Deduct-Transfers to functional Major Head	3606	...	...	...	-20.38	...	-20.38	...	...	...
Net- Aid materials and Equipment	...	...	...	...	...	...	...	...	...	...
12. Training requirement for distribution reforms	2801	...	...	...	...	...	...	5.00	...	5.00
13. Consultancy Charges for APDRP Projects	2801	...	...	...	...	...	...	5.00	...	5.00
14. Funds for Evaluation Studies and Consultancy	2801	...	...	...	...	...	...	5.00	...	5.00
15. Rural Electrification Supply Technology Mission	2801	...	...	...	...	...	...	5.00	...	5.00
<b>Total-General</b>		<b>625.39</b>	<b>45.44</b>	<b>670.83</b>	<b>698.37</b>	<b>47.00</b>	<b>745.37</b>	<b>579.06</b>	<b>47.60</b>	<b>626.66</b>
<i>Thermal Power Generation</i>										
16. Badarpur Thermal Power Station										
16.01 Revenue Expenditure	2801	...	1051.81	1051.81	...	1103.26	1103.26	...	1141.00	1141.00
16.02 Less Revenue Receipts	2801	...	-1050.81	-1050.81	...	-1102.26	-1102.26	...	-1140.00	-1140.00
Net Expenditure		...	1.00	1.00	...	1.00	1.00	...	1.00	1.00
16.03 Expansion of Badarpur Thermal Power Station	4801	1.00	...	1.00	3.53	...	3.53	...	...	...
<i>Total</i>		<b>1.00</b>	<b>1.00</b>	<b>2.00</b>	<b>3.53</b>	<b>1.00</b>	<b>4.53</b>	<b>...</b>	<b>1.00</b>	<b>1.00</b>
<i>Transmission and Distribution</i>										
17. Rural Electrification Corporation(Kutir Jyoti)	2801	90.00	...	90.00	45.00	...	45.00	90.00	...	90.00
18. Projects/Schemes for the development of N.E.Region & Sikkim	2552	10.00	...	10.00	10.00	...	10.00	10.00	...	10.00
	4552	658.67	...	658.67	525.19	...	525.19	933.08	...	933.08
<b>Total-Power</b>		<b>1385.06</b>	<b>46.44</b>	<b>1431.50</b>	<b>1282.09</b>	<b>48.00</b>	<b>1330.09</b>	<b>1612.14</b>	<b>48.60</b>	<b>1660.74</b>
19. Investments in Public Enterprises	4801	1887.44	...	1887.44	1290.91	...	1290.91	1886.86	...	1886.86
	6801	25.00	...	25.00	25.00	...	25.00	...	...	...
<i>Total</i>		<b>1912.44</b>	<b>...</b>	<b>1912.44</b>	<b>1315.91</b>	<b>...</b>	<b>1315.91</b>	<b>1886.86</b>	<b>...</b>	<b>1886.86</b>
<b>Grand Total</b>		<b>3300.00</b>	<b>53.60</b>	<b>3353.60</b>	<b>2600.00</b>	<b>56.00</b>	<b>2656.00</b>	<b>3500.00</b>	<b>56.84</b>	<b>3556.84</b>

(In crores of Rupees)

Major Head	Budget 2002-2003			Revised 2002-2003			Budget 2003-2004			
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
B. Investments in Public Enterprises	Head of Dev.	Budget Support	I.E.B.R	Total	Budget Support	I.E.B.R	Total	Budget Support	I.E.B.R	Total
19.01 National Thermal Power Corporation	12801	167.63	3338.37	3506.00	...	2712.00	2712.00	5.00	4496.00	4501.00
19.02 National Hydro Electric Power Corporation	12801	1341.81	1125.89	2467.70	1169.91	972.83	2142.74	1414.55	1138.58	2553.13
19.03 Damodar Valley Corporation	12801	...	840.66	840.66	...	973.55	973.55	...	1450.00	1450.00
19.04 North Eastern Electric Power Corporation	12801	...	175.28	175.28	...	111.92	111.92	...	198.00	198.00
19.05 Nathpa Jhakri Power Corporation	12801	256.00	397.00	653.00	...	448.89	448.89	...	758.05	758.05
19.06 Tehri Hydro Development Corporation	12801	146.00	993.80	1139.80	146.00	872.17	1018.17	467.31	456.98	924.29
19.07 Power Grid Corporation	12801	...	3312.00	3312.00	...	2577.00	2577.00	...	2670.00	2670.00
19.08 Power Trading Corporation	12801	1.00	...	1.00	...	...	...	...	...	...
19.09 Projects/Schemes for the Development of North East & Sikkim by PSUs	12801	658.67	...	658.67	525.19	...	525.19	933.08	...	933.08
<b>Total</b>		<b>2571.11</b>	<b>10183.00</b>	<b>12754.11</b>	<b>1841.10</b>	<b>8668.36</b>	<b>10509.46</b>	<b>2819.94</b>	<b>11167.61</b>	<b>13987.55</b>
<b>C. PLAN OUTLAY</b>										
Central Sector Plan										
Power	12801	2631.33	10183.00	12814.33	2064.81	8668.36	10733.17	2556.92	11167.61	13724.53
North Eastern Areas	22552	668.67	...	668.67	535.19	...	535.19	943.08	...	943.08
<b>Total</b>		<b>3300.00</b>	<b>10183.00</b>	<b>13483.00</b>	<b>2600.00</b>	<b>8668.36</b>	<b>11268.36</b>	<b>3500.00</b>	<b>11167.61</b>	<b>14667.61</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.

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

6. **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. Government of India has decided to extend the AG&SP scheme for the 10th Plan within outlay of 1500 crore. The financial assistance has been reduced to 3% for the 10th plan.

7. **Grant-in-aid to Powergrid** : For setting up Unified Load

Despatch Centre in the North Eastern States.

9. **Interest subsidy for Rural Electrification** : Interest Subsidy to be given to SEB for Rural Electrification.

12. **Training requirement for distribution reforms** : The long-term sustenance of reforms programme requires a skilled and trained distribution managers down up to the field level, to ensure accountability, energy auditing and to operationalise latest technologies in the field of distribution of electricity. Hence the scheme is included in the budget. A provision of Rs. 5 crore has been made during 2003-04.

13. **Consultancy charges for APRDP projects** : A proposal for appointment of Advisor Cum Consultants under APRDP has been made for reduction of T&D losses, improvement in billing and revenue realisation require adoption of new technologies in the areas of IT, consumer indexing, GIS mapping, SCADA/DMS etc. for revival of distribution sector. A provision of Rs. 5 crore has been made during 2003-04.

14. **Funds for evaluation studies and consultancy** : A proposal for evaluation of specific projects regarding upgradation & Strengthening of Sub-transmission & distribution network including energy accounting & metering in the distribution circles is there under which the funds are to be provided in a phased manner. It would require interaction with the Advisor-cum consultants and State power utilities for which infrastructures in terms of PCs, internet facilities, telephone etc. for fast communication would be required along with regular field visits to the sanctioned cities/town and circles. For this a provision of Rs. 5 crore is there in the year 2003-04.

**15. Rural Electric Supply Technology Mission :** The objective of REST Mission is to identify such technologies, interact with R&D institutions, manufacturers, entrepreneurs, other stake holders so as to provide quality power at reasonable rates to the villages in India. It is necessary that innovative technological solution are identified for the purpose. A provision of Rs. 5 crore has been made for this programme during 2003-04.

**17. 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. BE 2003-04 for Kutir Jyoti Programme in Rs. 100 crores.

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

**19.01 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 20935 MW as on 31.1.2003. NTPC is presently operating and executing 20 projects (13 thermal power project and 7 gas based combined cycle power projects) . In the year 2002-03 Government has decided to provide budgetary support to the corporation for their new schemes. But no fund was released to them. A token provision of Rs. 5.00 crores is also proposed for NTPC for 2003-04.

**19.02 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 2254.35 MW of generating capacity till the end of September 2002 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 Uttranchal 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.

**19.03 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.

**19.04 North Eastern Electric Power Corporation (NEEPCO) :** The North Eastern Electric Power Corporation (NEEPCO) was registered as a company under the Companies Act, 1956 on 2nd April, 1976 with the objective to plan, promote, investigate, survey, design, construct, generate, operate and maintain power stations in the N.E.Region. The Corporation has achieved a total installed capacity of 1105 MW (under operation comprising 150 MW from Kopili HE Project, 100 MW from Kopili HE Project Ist stage extension, 75 MW from Doyang HE Project, Nagaland, 405 MW from Ranganadi HE Project, Arunachal Pradesh, 291 MW from Assam Gas Based Combined Cycle Project and 84 MW from Agartala Gas Turbine Power Project.

**19.05 Nathpa-Jhakri Power Corporation (NJPC) :** Nathpa Jhakri Power Corporation was incorporated in May, 1988 to Plan, 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.

**19.06 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) and Koteshwar Dam HE Project (400 MW).

**19.07 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 transmission network carried around 40% of total power generated in the country.