

**MINISTRY OF POWER**

## DEMAND NO. 73

**Ministry of Power**

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

		(In crores of Rupees)								
Major Head	Budget 2003-2004			Revised 2003-2004			Budget 2004-2005			
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
Revenue	676.92	56.84	733.76	364.06	58.41	422.47	962.40	62.47	1024.87	
Capital	2823.08	...	2823.08	1485.94	...	1485.94	2637.60	...	2637.60	
<b>Total</b>	<b>3500.00</b>	<b>56.84</b>	<b>3556.84</b>	<b>1850.00</b>	<b>58.41</b>	<b>1908.41</b>	<b>3600.00</b>	<b>62.47</b>	<b>3662.47</b>	
1. Secretariat-Economic Services	3451	1.00	8.24	9.24	1.43	8.86	10.29	1.00	9.61	10.61
<i>Power</i>										
<i>General</i>										
2. Central Electricity Authority	2801	26.32	35.90	62.22	8.63	36.12	44.75	106.39	37.31	143.70
	4801	3.14	...	3.14	1.88	...	1.88	2.60	...	2.60
	<i>Total</i>	<i>29.46</i>	<i>35.90</i>	<i>65.36</i>	<i>10.51</i>	<i>36.12</i>	<i>46.63</i>	<i>108.99</i>	<i>37.31</i>	<i>146.30</i>
3. Research and Development										
3.01 Central Power Research Institute, Bangalore	2801	25.00	...	25.00	5.00	...	5.00	10.00	...	10.00
4. Training										
4.01 National Power Training Institute(NPTI)	2801	24.60	6.70	31.30	5.00	6.70	11.70	10.00	5.00	15.00
5. Setting up of Joint Electricity Regulatory Comn.	2801	...	...	...	...	...	...	0.50	...	0.50
6. Central Electricity Regulatory Commission	2801	...	5.00	5.00	...	5.73	5.73	...	9.55	9.55
7. Interest Subsidy to Power Finance Corporation	2801	300.00	...	300.00	200.00	...	200.00	300.00	...	300.00
8. Grants-in-aid to Powergrid Corporation	2801	80.00	...	80.00	20.00	...	20.00	2.00	...	2.00
9. Interest Subsidy for Rural Electrification	2801	100.00	...	100.00	50.00	...	50.00	200.00	...	200.00
10. Training requirement for distribution Reforms	2801	5.00	...	5.00	1.00	...	1.00	5.00	...	5.00
11. Consultancy Charges for APDRP Projects	2801	5.00	...	5.00	1.00	...	1.00	5.00	...	5.00
12. Funds for Evaluation Studies and Consultancy	2801	5.00	...	5.00	1.00	...	1.00	5.00	...	5.00
13. Rural Electrification Supply Technology Mission	2801	5.00	...	5.00	1.00	...	1.00	7.50	...	7.50
14. Survey of Rural Areas without Electricity	2801	...	...	...	...	...	...	10.00	...	10.00
15. Bureau of Energy Efficiency	2801	...	...	...	...	...	...	0.01	...	0.01
<b>Total-General</b>		<b>579.06</b>	<b>47.60</b>	<b>626.66</b>	<b>294.51</b>	<b>48.55</b>	<b>343.06</b>	<b>664.00</b>	<b>51.86</b>	<b>715.86</b>
<i>Thermal Power Generation</i>										
16. Badarpur Thermal Power Station										
16.01 Revenue Expenditure	2801	...	1141.00	1141.00	...	1044.93	1044.93	...	1080.00	1080.00
16.02 Less Revenue Receipts	2801	...	-1140.00	-1140.00	...	-1043.93	-1043.93	...	-1079.00	-1079.00
<i>Net Expenditure</i>		...	<i>1.00</i>	<i>1.00</i>	...	<i>1.00</i>	<i>1.00</i>	...	<i>1.00</i>	<i>1.00</i>
<i>Transmission and Distribution</i>										
17. Rural Electrification Corporation(kutir Jyoti)	2801	90.00	...	90.00	60.00	...	60.00	250.00	...	250.00
18. Projects/Schemes for the development of N.E.Region & Sikkim	2552	10.00	...	10.00	10.00	...	10.00	50.00	...	50.00
	4552	933.08	...	933.08	615.70	...	615.70	1179.07	...	1179.07
<b>Total-Power</b>		<b>1612.14</b>	<b>48.60</b>	<b>1660.74</b>	<b>980.21</b>	<b>49.55</b>	<b>1029.76</b>	<b>2143.07</b>	<b>52.86</b>	<b>2195.93</b>
19. Investments in Public Enterprises	4801	1886.86	...	1886.86	868.36	...	868.36	1455.93	...	1455.93
<b>Grand Total</b>		<b>3500.00</b>	<b>56.84</b>	<b>3556.84</b>	<b>1850.00</b>	<b>58.41</b>	<b>1908.41</b>	<b>3600.00</b>	<b>62.47</b>	<b>3662.47</b>
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	5.00	4496.00	4501.00	...	4515.00	4515.00	...	4755.00	4755.00
19.02 National Hydro Electric Power Corporation	12801	1414.55	1138.58	2553.13	810.36	1116.63	1926.99	1141.93	1045.86	2187.79
19.03 Damodar Valley Corporation	12801	...	1450.00	1450.00	...	599.26	599.26	...	999.70	999.70
19.04 North Eastern Electric Power Corporation	12801	...	198.00	198.00	...	135.50	135.50	...	265.00	265.00

(In crores of Rupees)

	Head of Dev.	Budget 2003-2004			Revised 2003-2004			Budget 2004-2005		
		Budget Support	I.E.B.R	Total	Budget Support	I.E.B.R	Total	Budget Support	I.E.B.R	Total
19.05 Nathpa Jhakri Power Corporation	12801	...	758.05	758.05	...	636.00	636.00	...	592.00	592.00
19.06 Tehri Hydro Development Corporation	12801	467.31	456.98	924.29	58.00	920.38	978.38	314.00	934.76	1248.76
19.07 Power Grid Corporation	12801	...	2670.00	2670.00	...	2265.00	2265.00	...	3438.00	3438.00
19.08 Project/Schemes for the Development of North East & Sikkim by PSUs	12801	933.08	...	933.08	615.70	...	615.70	1179.07	...	1179.07
<b>Total</b>		<b>2819.94</b>	<b>11167.61</b>	<b>13987.55</b>	<b>1484.06</b>	<b>10187.77</b>	<b>11671.83</b>	<b>2635.00</b>	<b>12030.32</b>	<b>14665.32</b>
<b>C.PLAN OUTLAY</b>										
<i>Central Sector Plan</i>										
Power	12801	2556.92	11167.61	13724.53	1224.30	10187.77	11412.07	2370.93	12030.32	14401.25
North Eastern Areas	22552	943.08	...	943.08	625.70	...	625.70	1229.07	...	1229.07
<b>Total</b>		<b>3500.00</b>	<b>11167.61</b>	<b>14667.61</b>	<b>1850.00</b>	<b>10187.77</b>	<b>12037.77</b>	<b>3600.00</b>	<b>12030.32</b>	<b>15630.32</b>

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

2. **Central Electricity Authority** : 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.

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. **Setting up of Joint Electricity Regulatory Commission** : Under this Scheme, a Joint Electricity Regulatory Commission is to be set up for NE States and Sikkim.

6. **Central Electricity Regulatory Commission** : Under the provision of the ERC Act, 1998, the Central Government has constituted the Central Electricity Regulatory Commission (CERC). The Central Commission is a statutory body with a quasi judicial status. The Electricity Act, 2003 has come into force with effect from 10th June, 2003. The provision is made for incurring expenditure on establishment as well as for tariff matters.

7. **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.

8. **Grant-in-aid to Power Grid Corporation** : For setting up Unified Load Despatch Centre in the North Eastern States.

9. **Interest subsidy for Rural Electrification** : In order to give momentum to Rural Electrification Programme, a scheme called Accelerated Rural Electrification Programme was introduced in 2002-03 under which 4% interest subsidy is provided to States on loan sanctioned by REC for rural electrification of unelectrified villages including dalit bastis.

10. **Training requirement for Distribution Reforms** : The scheme is intended to meet the requirement of skilled and trained distribution managers down to the field level to ensure accountability, energy auditing and to operationalise latest technologies in the field of distribution of electricity.

11. **Consultancy charges for APDRP projects** : A proposal for appointment of Advisor cum Consultants under APDRP has been made for reduction of T&D losses, improvement in billing and revenue realisation which require adoption of new

technologies in the areas of IT, consumer indexing, GIS mapping, SCADA/DMS etc. for revival of distribution sector.

12. **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 infrastructure 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.

13. **Rural Electrification 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.

14. **Survey of Rural Areas without Electricity** : This is a new scheme.

16. **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 sections of the society. 57,85,228 connections were released till 31.3.2003 and till 15.12.2003 60,49,554 connections were released.

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

18.01 **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.

18.02 **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 in Central Sector and 3 projects (Devighat, Kalpong and Kurichu on agency basis) and added 2254.35 MW of generating capacity till the end of March, 2003. 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 H. P., Teesta Stage-V (510 MW) in Sikkim, Loktak Downstream (90 MW) in Manipur, Parbati-II (800 MW) in HP, Subansiri Lower (2000 MW) in Arunachal Pradesh, Sewa-II (120 MW) in J & K and Teesta Lower Dam-III (132 MW) in West Bengal. In addition to above, NHPC is also in execution of 2 joint venture projects i.e. Indira Sagar and Omkareshwar with NHDC.

18.03 **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.

**18.04 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 1st 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).

**18.05 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 Sutlej 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.

**18.06 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).

**18.07 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's transmission network carries around 40% of total power generated in the country.