

DEPARTMENT OF ATOMIC ENERGY

DEMAND NO. 6

Nuclear Power Schemes

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

(In crores of Rupees)

Major Head	Budget 2006-2007			Revised 2006-2007			Budget 2007-2008			
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
Revenue	...	-169.04	-169.04	116.51	-116.75	-0.24	82.86	-116.90	-34.04	
Capital	2503.10	...	2503.10	1860.27	...	1860.27	2366.29	0.90	2367.19	
Total	2503.10	-169.04	2334.06	1976.78	-116.75	1860.03	2449.15	-116.00	2333.15	
Nuclear Power Projects										
1. Rajasthan Atomic Power Station	2801	...	76.99	76.99	...	65.95	65.95	...	68.05	68.05
2. Fuel Inventory										
Gross	2801	...	1083.90	1083.90	116.51	1083.90	1200.41	82.86	1251.20	1334.06
Less-Receipts	0801	...	-931.69	-931.69	...	-830.61	-830.61	...	-969.12	-969.12
Net		...	152.21	152.21	116.51	253.29	369.80	82.86	282.08	364.94
3. Heavy Water Pool Management										
Gross	2801	...	...	...	...	...	...	...	...	...
Less- Receipts	0801	...	-419.94	-419.94	...	-460.33	-460.33	...	-492.08	-492.08
Net		...	-419.94	-419.94	...	-460.33	-460.33	...	-492.08	-492.08
4. Bhabha Atomic Research Centre, Mumbai (Waste Management Facilities at Tarapur and Kalpakkam)	2801	...	21.70	21.70	...	24.34	24.34	...	25.05	25.05
	4801	0.15	...	0.15	0.15	...	0.15	0.10	0.90	1.00
	<i>Total</i>	<i>0.15</i>	<i>21.70</i>	<i>21.85</i>	<i>0.15</i>	<i>24.34</i>	<i>24.49</i>	<i>0.10</i>	<i>25.95</i>	<i>26.05</i>
5. Indira Gandhi Centre for Atomic Research, Kalpakkam (Prototype Fast Breeder Test Reactor)	4801	10.00	...	10.00	12.96	...	12.96	2.00	...	2.00
6. DAE Projects (Other Schemes)	4801	5.10	...	5.10	6.26	...	6.26	20.10	...	20.10
7. Transfer of assets of Nuclear Power Board to NPCIL	4801	...	...	...	-1313.33	...	-1313.33	...	...	...
Nuclear Power Corporation of India Ltd. (NPCIL)	4801	...	...	...	966.86	...	966.86	...	...	...
	6801	...	...	...	346.47	...	346.47	...	...	...
	<i>Net</i>	...	...	...	...	...	...	...	...	...
8. Investment in Public Enterprises										
8.01 Nuclear Power Corporation of India Ltd. (NPCIL)	4801	400.00	...	400.00	...	...	...	...	...	...
	6801	1606.00	...	1606.00	1572.90	...	1572.90	1418.09	...	1418.09
	<i>Total</i>	<i>2006.00</i>	...	<i>2006.00</i>	<i>1572.90</i>	...	<i>1572.90</i>	<i>1418.09</i>	...	<i>1418.09</i>
8.02 Bharatiya Nabhikiya Vidyut Nigam Ltd. (BHAVINI)	4801	481.85	...	481.85	268.00	...	268.00	926.00	...	926.00
Total- Investments in Public Enterprises		2487.85	...	2487.85	1840.90	...	1840.90	2344.09	...	2344.09
Grand Total		2503.10	-169.04	2334.06	1976.78	-116.75	1860.03	2449.15	-116.00	2333.15
B. Investment in Public Enterprises	Head of Dev	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total
8.01 Nuclear Power Corporation of India Ltd.	12801	2006.00	1394.00	3400.00	2886.23	2032.00	4918.23	1418.09	1676.00	3094.09
8.02 Bharatiya Nabhikiya Vidyut Nigam Ltd (BHAVINI)	12801	481.85	...	481.85	268.00	...	268.00	926.00	...	926.00
Total		2487.85	1394.00	3881.85	3154.23	2032.00	5186.23	2344.09	1676.00	4020.09
C. Plan Outlay										
1. Power										
i. Nuclear Power Schemes	12801	2503.10	1394.00	3897.10	1976.78	2032.00	4008.78	2449.15	1676.00	4125.15

1. **Rajasthan Atomic Power Station (RAPS)** - The management of RAPS, Unit-1 has been entrusted to Nuclear Power Corporation of India Limited on operational cost reimbursement basis. Provision has been made in the budget for the operational expenses of the power station.

2. **Fuel Inventory** -This provides for expenditure on the fuel for Tarapur Atomic Power Station and other Pressurized Heavy Water Reactors at other places.

4. **Bhabha Atomic Research Centre - (BARC)** has established Waste Management Facilities and Waste Immobilisation Plants at Tarapur and Kalpakkam. These facilities are to process and store radioactive wastes generated by Power Stations. The provisions are for running these facilities and also for Plan Schemes of BARC under Power Sector.

5. **Indira Gandhi Centre For Atomic Research- (IGCAR)** pursues Plan Schemes for providing R&D support aimed towards

the construction of Prototype Fast breeder Reactor etc.

6. **DAE Projects** - The Project - Additional Spent Fuel Storage Facilities funded by DAE is being implemented by NPCIL.

8. **Investment In Public Enterprises**

8.01 **Nuclear Power Corporation of India Ltd. - (NPCIL), MUMBAI** – NPCIL is the nodal agency for harnessing nuclear energy for power generation. The main objectives of the company is to increase nuclear power generation capacity as a safe, environmentally benign and economical source of electrical energy to meet growing demand for electricity in the country.

8.02 **Bharatiya Nabhikiya Vidyut Nigam Ltd.-(BHAVINI), Kalpakkam** - BHAVINI was created under the Companies Act 1956 and is incorporated in Oct., 2003 for the implementation of the Project Fast Breeder Reactor (PFBR) with 500 MWe capacity.