

DEPARTMENT OF ATOMIC ENERGY**DEMAND NO. 5****Nuclear Power Schemes**

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

<i>(In crores of Rupees)</i>													
Major Head	Actual 2012-2013			Budget 2013-2014			Revised 2013-2014			Budget 2014-2015			
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
Revenue	390.80	581.88	972.68	419.87	666.14	1086.01	314.40	667.54	981.94	296.00	739.59	1035.59	
Capital	181.09	0.25	181.34	296.27	1.40	297.67	285.60	...	285.60	674.00	...	674.00	
Total	571.89	582.13	1154.02	716.14	667.54	1383.68	600.00	667.54	1267.54	970.00	739.59	1709.59	
1. Rajasthan Atomic Power Station	2801	...	52.00	52.00	...	79.00	79.00	...	83.83	83.83	...	84.77	84.77
2. Fuel Inventory													
2.01 Gross	2801	390.80	2390.50	2781.30	269.87	2471.68	2741.55	294.40	2739.53	3033.93	146.00	2884.72	3030.72
2.02 Less- Receipts	0801	...	-1917.13	-1917.13	...	-1947.14	-1947.14	...	-2162.93	-2162.93	...	-2237.90	-2237.90
<i>Net</i>		<i>390.80</i>	<i>473.37</i>	<i>864.17</i>	<i>269.87</i>	<i>524.54</i>	<i>794.41</i>	<i>294.40</i>	<i>576.60</i>	<i>871.00</i>	<i>146.00</i>	<i>646.82</i>	<i>792.82</i>
3. Bhabha Atomic Research Centre, Mumbai (Waste Management Facilities at Tarapur and Kalpakkam)	2801	...	56.51	56.51	...	62.60	62.60	...	7.11	7.11	...	8.00	8.00
	4801	...	0.25	0.25	2.00	1.40	3.40	0.10	...	0.10	1.00	...	1.00
<i>Total</i>		<i>...</i>	<i>56.76</i>	<i>56.76</i>	<i>2.00</i>	<i>64.00</i>	<i>66.00</i>	<i>0.10</i>	<i>7.11</i>	<i>7.21</i>	<i>1.00</i>	<i>8.00</i>	<i>9.00</i>
4. Indira Gandhi Centre for Atomic Research, Kalpakkam (Prototype Fast Breeder Test Reactor)													
4.01 Gross	4801	6.42	...	6.42	19.60	...	19.60	2.10	...	2.10	30.00	...	30.00
4.02 Less: Recoveries	4801	...	...	...	...	...	...	-24.48	...	-24.48	...	...	...
<i>Net</i>		<i>6.42</i>	<i>...</i>	<i>6.42</i>	<i>19.60</i>	<i>...</i>	<i>19.60</i>	<i>-22.38</i>	<i>...</i>	<i>-22.38</i>	<i>30.00</i>	<i>...</i>	<i>30.00</i>
5. Neighborhood Development Project (in Kudankulam)	2801	...	...	...	150.00	...	150.00	20.00	...	20.00	150.00	...	150.00
6. Investment in Public Enterprises													
6.01 Nuclear Power Corporation of India Limited (NPCIL)-EAP	6801	...	...	...	24.00	...	24.00	18.28	...	18.28	22.00	...	22.00
6.02 Nuclear Power Corporation of India Limited (NPCIL)	4801	...	...	...	...	...	...	...	...	...	181.00	...	181.00
6.03 Bharatiya Nabhikiya Vidyut Nigam Limited (BHAVINI)	4801	174.67	...	174.67	250.67	...	250.67	289.60	...	289.60	40.00	...	40.00
6.04 Bharatiya Nabhikiya Vidyut Nigam Limited (BHAVINI)	6801	...	...	...	...	...	...	...	...	...	400.00	...	400.00
<i>Total- Investment in Public Enterprises</i>		<i>174.67</i>	<i>...</i>	<i>174.67</i>	<i>274.67</i>	<i>...</i>	<i>274.67</i>	<i>307.88</i>	<i>...</i>	<i>307.88</i>	<i>643.00</i>	<i>...</i>	<i>643.00</i>
7. Heavy Water Pool Management													
7.01 Gross	2801	...	990.00	990.00	...	910.00	910.00	...	910.00	910.00	...	950.00	950.00
7.02 Less Receipts	0049	...	-990.00	-990.00	...	-910.00	-910.00	...	-910.00	-910.00	...	-950.00	-950.00

(In crores of Rupees)

	Major Head	Actual 2012-2013			Budget 2013-2014			Revised 2013-2014			Budget 2014-2015			
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
Grand Total	<i>Nef</i>	...	...	...	...	...	...	...	...	...	...	...	...
		571.89	582.13	1154.02	716.14	667.54	1383.68	600.00	667.54	1267.54	970.00	739.59	1709.59	
	Head of Dev	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total	
B. Investment in Public Enterprises														
6.01	Nuclear Power Corporation of India Limited (NPCIL)	12801	...	4373.86	4373.86	24.00	7480.50	7504.50	18.28	5366.72	5385.00	203.00	7243.42	7446.42
6.02	Bharatiya Nabhikiya Vidyut Nigam Limited (BHAVINI)	12801	174.67	...	174.67	250.67	114.76	365.43	289.60	107.00	396.60	440.00	...	440.00
Total			174.67	4373.86	4548.53	274.67	7595.26	7869.93	307.88	5473.72	5781.60	643.00	7243.42	7886.42
C. Plan Outlay														
1.	Power	12801	571.89	4373.86	4945.75	716.14	7595.26	8311.40	600.00	5473.72	6073.72	970.00	7243.42	8213.42

1. **RAJASTHAN ATOMIC POWER STATION (RAPS):** The operation and management of Rajasthan Atomic Power Station (RAPS), Unit-1 has been entrusted to Nuclear Power Corporation of India Limited (NPCIL) on the basis of MOU signed between the Department and NPCIL. The cost of operation and maintenance is paid by the Department.

2. **FUEL INVENTORY:** This provides for expenditure on the fuel for Tarapur Atomic Power Station and other Nuclear Power Reactors at other places.

3. **BHABHA ATOMIC RESEARCH CENTRE (BARC):** 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. These projects are being transferred under Nuclear Recycle Board (NRB).

4. **INDIRA GANDHI CENTRE FOR ATOMIC RESEARCH (IGCAR):** IGCAR pursues Plan Schemes for providing R&D support aimed towards the construction of Prototype Fast breeder Reactor, etc.

6.01. **NUCLEAR POWER CORPORATION OF INDIA LTD.:** Nuclear Power Corporation of India Ltd. (NPCIL) is the nodal agency for harnessing nuclear energy for power generation in the country. The main objectives of the company is to increase nuclear power generation capacity in the country as a safe, environmentally benign and economical source of electrical energy to meet the growing demand of electricity in the country. The provision is for Externally aided Project.

6.02. **NUCLEAR POWER CORPORATION OF INDIA LTD.:** The provision in NPCIL is for Nuclear Power Project at Gorakhpur.

6.03. **BHARATIYA NABHIKIYA VIDYUT NIGAM LIMITED (BHAVINI):** The objectives of BHAVINI is to plan, execute and operate an integrated programme of Fast Breeder Technology based Nuclear Power Stations for generating electricity on commercial basis, commencing with Prototype Fast Breeder Reactor (FBR). The company is currently building the 500 MWe FBR at Kalpakkam.