

MINISTRY OF WATER RESOURCES

DEMAND NO.103

Ministry of Water Resources

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

		(In crores of Rupees)								
Major Head	Budget 2005-2006			Revised 2005-2006			Budget 2006-2007			
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
Revenue	575.86	235.96	811.82	454.86	231.90	686.76	657.11	243.91	901.02	
Capital	45.14	17.60	62.74	45.14	16.10	61.24	42.89	17.60	60.49	
Total	621.00	253.56	874.56	500.00	248.00	748.00	700.00	261.51	961.51	
1. Secretariat-Economic services	3451	3.50	14.43	17.93	1.24	19.88	21.12	12.13	15.42	27.55
Major and Medium Irrigation										
2. Central Water Commission	2701	28.74	68.40	97.14	24.79	74.93	99.72	27.09	71.11	98.20
	4701	0.96	...	0.96	0.96	...	0.96	...	...	...
<i>Total</i>		<i>29.70</i>	<i>68.40</i>	<i>98.10</i>	<i>25.75</i>	<i>74.93</i>	<i>100.68</i>	<i>27.09</i>	<i>71.11</i>	<i>98.20</i>
3. Central Soil & Materials Research Station	2701	5.76	4.08	9.84	5.76	4.01	9.77	8.14	4.23	12.37
4. Central Water and Power Research Station	2701	5.10	14.12	19.22	4.50	15.89	20.39	5.45	14.88	20.33
5. National Water Development Agency	2701	25.00	...	25.00	17.00	...	17.00	41.00	...	41.00
6. National Institute of Hydrology	2701	9.27	4.34	13.61	5.20	4.47	9.67	17.28	4.62	21.90
7. Research and Development Programme	2701	8.00	...	8.00	7.85	...	7.85	12.56	...	12.56
8. <i>Others</i>										
8.01 Boards and Committees	2701	...	1.47	1.47	...	0.62	0.62	...	1.73	1.73
8.02 CPCB/BBMB	2701	...	...	...	0.08	...	0.08	...	...	...
<i>Total</i>		<i>...</i>	<i>1.47</i>	<i>1.47</i>	<i>0.08</i>	<i>0.62</i>	<i>0.70</i>	<i>...</i>	<i>1.73</i>	<i>1.73</i>
9. <i>Non Plan Grants to States</i>										
9.01 Assistance for Sutlej Yamuna Link Canal Project	3601	...	25.00	25.00	...	0.01	0.01	...	25.00	25.00
Total - Major and Medium Irrigation		82.83	117.41	200.24	66.14	99.93	166.07	111.52	121.57	233.09
Minor Irrigation										
10. Central Ground Water Board	2702	60.64	49.51	110.15	51.01	55.47	106.48	66.24	51.16	117.40
	4702	5.00	...	5.00	5.00	...	5.00	6.60	...	6.60
<i>Total</i>		<i>65.64</i>	<i>49.51</i>	<i>115.15</i>	<i>56.01</i>	<i>55.47</i>	<i>111.48</i>	<i>72.84</i>	<i>51.16</i>	<i>124.00</i>
11. Surface Water Schemes	2702	0.25	...	0.25	0.25	...	0.25	0.34	...	0.34
	3601	6.56	...	6.56	6.06	...	6.06	7.68	...	7.68
	3602	0.19	...	0.19	0.19	...	0.19	0.08	...	0.08
<i>Total</i>		<i>7.00</i>	<i>...</i>	<i>7.00</i>	<i>6.50</i>	<i>...</i>	<i>6.50</i>	<i>8.10</i>	<i>...</i>	<i>8.10</i>
Total - Minor Irrigation		72.64	49.51	122.15	62.51	55.47	117.98	80.94	51.16	132.10
12. Command Area Development	2705	3.50	...	3.50	3.50	...	3.50	5.30	...	5.30
	3601	196.50	...	196.50	155.00	...	155.00	193.80	...	193.80
<i>Total</i>		<i>200.00</i>	<i>...</i>	<i>200.00</i>	<i>158.50</i>	<i>...</i>	<i>158.50</i>	<i>199.10</i>	<i>...</i>	<i>199.10</i>
Flood Control										
13. Central Water Commission	2711	25.59	31.29	56.88	18.27	33.89	52.16	23.13	32.09	55.22
	4711	8.78	...	8.78	8.78	...	8.78	2.89	...	2.89
<i>Total</i>		<i>34.37</i>	<i>31.29</i>	<i>65.66</i>	<i>27.05</i>	<i>33.89</i>	<i>60.94</i>	<i>26.02</i>	<i>32.09</i>	<i>58.11</i>
14. <i>Flood Control Works in States</i>										
14.01 Critical anti-erosion works in Ganga Basin States	2711	50.00	...	50.00	35.00	...	35.00	30.00	...	30.00
	3601	50.00	...	50.00	45.00	...	45.00	81.20	...	81.20
<i>Total</i>		<i>100.00</i>	<i>...</i>	<i>100.00</i>	<i>80.00</i>	<i>...</i>	<i>80.00</i>	<i>111.20</i>	<i>...</i>	<i>111.20</i>
15. Emergent flood protection works in Eastern & Western Sectors	7601	...	3.00	3.00	...	1.50	1.50	...	3.00	3.00
16. <i>Other Schemes of Flood Control</i>										
16.01 Ganga Flood Control Commission	2711	2.50	...	2.50	2.71	...	2.71	2.75	...	2.75
16.02 Maintenance of Flood Protection Works of Kosi and Gandak Projects	3601	6.00	...	6.00	3.74	...	3.74	5.24	...	5.24
16.03 Others										
Extension of embankments on Lalbakeya, Kamla, Bagmati and Khando Rivers	3601	14.00	...	14.00	6.00	...	6.00	32.25	...	32.25
<i>Total</i>		<i>22.50</i>	<i>...</i>	<i>22.50</i>	<i>12.45</i>	<i>...</i>	<i>12.45</i>	<i>40.24</i>	<i>...</i>	<i>40.24</i>
17. <i>Cooperation with Neighbouring Countries</i>										
17.01 Joint Observations on rivers common with Bangladesh and Neighbouring Countries	2711	2.50	...	2.50	0.64	...	0.64	1.50	...	1.50

		(In crores of Rupees)									
Major Head		Budget 2005-2006			Revised 2005-2006			Budget 2006-2007			
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
17.02	Survey and Investigation of Kosi High Dam Project	2711	7.00	...	7.00	9.00	...	9.00	13.90	...	13.90
17.03	Pancheswar Multipurpose Projects	2711	2.50	...	2.50	2.07	...	2.07	2.13	...	2.13
	<i>Total</i>		<i>12.00</i>	<i>...</i>	<i>12.00</i>	<i>11.71</i>	<i>...</i>	<i>11.71</i>	<i>17.53</i>	<i>...</i>	<i>17.53</i>
Total - Flood Control			168.87	34.29	203.16	131.21	35.39	166.60	194.99	35.09	230.08
18.	<i>Provision under schemes for the benefit of North Eastern States and Sikkim</i>										
18.01	Monitoring of Water Quality of Rivers in India	2552	...	...	...	...	...	...	0.10	...	0.10
18.02	Strengthening of Monitoring Organisations	2552	...	...	...	...	...	...	0.15	...	0.15
18.03	Data collection from Key Hydrological Stations	2552	...	...	...	...	...	...	0.80	...	0.80
18.04	Studies on Reservoir Sedimentation, River Morphology and Other Remote Sensing Applications	2552	...	...	...	...	...	...	0.10	...	0.10
18.05	Investigation for WR Development in North Eastern States	2552	...	...	...	...	...	...	0.44	...	0.44
18.06	Research and Development Programme	2552	...	...	...	...	...	...	0.50	...	0.50
18.07	Geo Technical Investigation for River Valley Project	2552	...	...	...	...	...	...	0.20	...	0.20
18.08	National Institute of Hydrology	2552	...	...	...	...	...	...	0.20	...	0.20
18.09	Ground Water Survey	2552	...	...	...	...	...	...	6.60	...	6.60
18.10	R & D Schemes under CAD	2552	...	...	...	...	...	...	0.10	...	0.10
18.11	Command Area Development Programme	2552	...	...	...	...	...	...	6.50	...	6.50
18.12	Strengthening and Modernisation of FF & HO	2552	...	...	...	...	...	...	3.66	...	3.66
18.13	Rationalisation of Minor Irrigation Statistics	2552	...	...	...	...	...	...	1.00	...	1.00
18.14	Grants-in-aid to Brahmaputra Board	2552	21.76	...	21.76	21.00	...	21.00	28.12	...	28.12
18.15	Pagladia Dam Project	2552	1.00	...	1.00	3.00	...	3.00	5.00	...	5.00
18.16	New Schemes for Majuli Island in Assam, Dihang Project, etc.	2552	40.00	...	40.00	26.00	...	26.00	14.45	...	14.45
	<i>Total</i>		<i>62.76</i>	<i>...</i>	<i>62.76</i>	<i>50.00</i>	<i>...</i>	<i>50.00</i>	<i>67.92</i>	<i>...</i>	<i>67.92</i>
18.17	Acquisition of Land & Building for CGWB	4552	...	...	...	...	...	...	0.40	...	0.40
18.18	Schemes for Construction of non-residential/residential/ office Buildings of CWC	4552	...	...	...	...	...	...	2.00	...	2.00
	<i>Total</i>		<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>2.40</i>	<i>...</i>	<i>2.40</i>
Total - Provision under schemes for the benefit of North Eastern States and Sikkim			62.76	...	62.76	50.00	...	50.00	70.32	...	70.32
Other Transport Services											
19.	Farakka Barrage Project	3075	...	23.32	23.32	...	22.73	22.73	...	23.67	23.67
		5075	30.40	-1.20	29.20	30.40	-1.20	29.20	31.00	-1.20	29.80
	<i>Total</i>		<i>30.40</i>	<i>22.12</i>	<i>52.52</i>	<i>30.40</i>	<i>21.53</i>	<i>51.93</i>	<i>31.00</i>	<i>22.47</i>	<i>53.47</i>
20.	<i>Non- Plan loan to Public Enterprises</i>										
20.01	National Projects Construction Corp. Ltd.	6701	...	15.80	15.80	...	15.80	15.80	...	15.80	15.80
Grand Total			621.00	253.56	874.56	500.00	248.00	748.00	700.00	261.51	961.51
C. Plan Outlay	Head of		Budget	I.E.B.R	Total	Budget	I.E.B.R	Total	Budget	I.E.B.R	Total
Central Plan	Dev.		Support			Support			Support		
1.	Secretariat-Economic services	13451	3.50	...	3.50	1.24	...	1.24	12.13	...	12.13
2.	Major and Medium Irrigation	12701	82.83	...	82.83	66.14	...	66.14	111.52	...	111.52
3.	Minor Irrigation	12702	72.64	...	72.64	62.51	...	62.51	80.94	...	80.94
4.	Command Area Development	12705	200.00	...	200.00	158.50	...	158.50	199.10	...	199.10
5.	Flood Control	12711	168.87	...	168.87	131.21	...	131.21	194.99	...	194.99
6.	Other Transport Services	13075	30.40	...	30.40	30.40	...	30.40	31.00	...	31.00
7.	North Eastern Areas	22552	62.76	...	62.76	50.00	...	50.00	70.32	...	70.32
Total			621.00	...	621.00	500.00	...	500.00	700.00	...	700.00

1. **Secretariat-Economic Services:** Non-Plan provision is for the secretariat expenditure of the Ministry. The Plan outlay is meant for "Information Technology Development", Project Secretariat Unit (PSU) of "Hydrology Project Phase-II" which is an externally aided scheme and "Water Quality Assessment Authority".

Major and Medium Irrigation

2. **Central Water Commission:** It has the responsibility of giving advice, in consultation with the State Governments concerned, on initiating, coordinating and furthering schemes for the control, conservation and utilisation of water resources for the purpose of irrigation, navigation and flood control throughout the country. Being the premier technical organisation in the country in the field of development and utilisation of water resources, it plays an important role in the field of planning, investigation, design and research in connection with multipurpose river valley and flood control projects.

3. **Central Soil & Materials Research Station:** The Central Soil & Materials Research Station (CSMRS) is the premier organisation in the country dealing with field exploration, laboratory investigations, basic and applied research in the realm of geomechanics, concrete technology and materials of construction relevant to River Valley Projects.

4. **Central Water and Power Research Station:** The Central Water and Power Research Station (CWPRS), established in 1916, is responsible for conducting applied research in the field of river engineering, ship-dynamics, hydraulic machinery, stratified flows, foundation and structure, geo-techniques, earthquake engineering, mathematical modelling and instrumentation. It is one of the largest institutions of its kind in the world and the premier engineering research institution in the country.

5. **National Water Development Agency:** National Water Development Agency is entrusted with the task of conducting detailed survey and investigation for feasibility of inter-basin transfers of surplus water to meet the requirements of drought prone areas in the peninsular river systems. It also includes provision for preparation of Detailed Project Reports and Task Force on inter-linking of rivers.

6. **National Institute of Hydrology:** The National Institute of Hydrology deals with fundamental and applied research in the field of Hydrology.

7. **Research & Development Programme:** Grants-in-aid are given to various autonomous bodies and State research institutions for carrying out research schemes relating to water resources.

8. Other Schemes of Major and Medium Irrigation:

8.01 **Boards and Committees:** This includes provision for Sardar Sarovar Construction Advisory Committee, Bansagar Control Board and Upper Yamuna River Board. The expenditure in respect of these Organisations is recovered from the participating States.

8.02 For giving grants to Central Pollution Control Board and Bhakhra Beas Management Board for implementation of Hydrology Project Phase-II.

9. **Assistance for Sutlej-Yamuna Link Canal Project:** Provision of Rs.25.00 crore has been made for this project in BE 2006-07 for undertaking balance works on the project.

Minor Irrigation

10. **Central Ground Water Board:** Central Ground Water Board is responsible for undertaking hydrogeological surveys and exploratory drilling for delineating the ground water worthy areas in the country and assisting the States in the preparation of ground water development schemes. This also includes a provision for the Central Ground Water Authority, which has been set up under Section 5 of the Environment (Protection) Act, 1986.

11. **Surface Water Schemes:** The provision is for releasing grants to States and Union Territories for the scheme "Census of Rationalisation of Minor Irrigation Statistics".

12. **Command Area Development Programme:** The Command Area Development Programme has been in operation since 1974-75 as a Centrally Sponsored Programme. Much emphasis has been assigned to the programme in view of Government of India's resolve to raise foodgrain production in the coming years to meet the increasing need of food for growing population. Keeping in view the emerging requirements the Scheme has been restructured and renamed as Command Area Development and Water Management (CADWM) Programme w.e.f. 1.4.2004 for implementation during the remaining period of Xth Plan with the objective of ensuring efficient utilization of created irrigated potential and optimizing agricultural production from irrigated lands.

Flood Control

13. **Central Water Commission:** This includes provision for establishment, maintenance and modernisation of Flood Forecasting and Warning Centres at key sites on important inter-State river basins under the Central Water Commission. The Flood Forecasting work, which was taken up during the 4th Plan period in the flood prone basins of Ganga, Brahmaputra, Narmada, Tapti, Teesta and the coastal rivers of Orissa, has been extended to cover the Godavari, Damodar, Krishna, Mahi and the Sabarmati rivers due to its proven usefulness. The Flood Forecasts issued by the Central Water Commission through its network of hydrometeorological stations and wireless stations are of great help to the local authorities in flood management and in minimising the flood damages.

The Commission is also entrusted with the responsibility of undertaking and executing specific schemes on behalf of Indo-Bangladesh Joint Rivers Commission.

14. Flood Control Works in States

14.01 **Critical Anti-erosion Works in Ganga Basin States:** Provision is meant for critical anti-erosion works in Ganga Basin States.

15. **Emergent flood protection works in Eastern and Western Sectors:** The Non-Plan provision represents special loan assistance to States for emergent flood protection works in the Eastern and Western Sectors of the country.

16. **Other Schemes of Flood Control:** This includes provision for the Ganga Flood Control Commission which is engaged in Master Plan preparation of Flood Control in Ganga Basin and for fundamental and basic research on Flood Control projects. This also includes provision for maintenance of flood protection works of Kosi and Gandak Projects; extension of embankments on Lalbakeya, Kamla, Bagmati and Khando Rivers.

17. **Cooperation with Neighbouring Countries:** The provision is meant for survey and investigation of schemes/projects on rivers common with neighbouring countries viz. Nepal, Bhutan and Bangladesh.

18. The provision is meant for schemes for the benefit of North Eastern States and Sikkim.

Transport Sector

19. **Farakka Barrage Project:** The Farakka Barrage Project, which is essentially a transport sector project, is being implemented by this Ministry. The main barrage at Farakka across river Ganga and barrage on Bhagirathi near Jangipur, a road-cum-rail bridge and feeder canal taking off from the barrage and falling into Bhagirathi, were completed in 1975. The navigation lock at Farakka has been dedicated to the nation in 1987. With the completion of the lock at Farakka, inland navigation route from Haldia to Farakka and from Patna to Allahabad has been restored.

20. Non-Plan Loan to Public Enterprises

20.01 **National Projects Construction Corporation Limited:** The provision is for Non-Plan loan to National Projects Construction Corporation Ltd. to enable it to make payment of salaries/wages to its employees.