

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 2007-2008			Revised 2007-2008			Budget 2008-2009			
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
Revenue	558.00	269.96	827.96	508.00	269.75	777.75	491.00	277.82	768.82	
Capital	42.00	1.80	43.80	42.00	1.95	43.95	109.00	2.18	111.18	
Total	600.00	271.76	871.76	550.00	271.70	821.70	600.00	280.00	880.00	
1. Secretariat-Economic services	3451	...	20.76	20.76	...	22.20	22.20	...	22.53	22.53
Major and Medium Irrigation										
2. Central Water Commission	2701	2.00	79.52	81.52	1.80	80.44	82.24	2.30	80.68	82.98
3. Central Soil & Materials Research Station	2701	...	4.65	4.65	...	4.60	4.60	...	4.85	4.85
4. Central Water and Power Research Station	2701	...	16.10	16.10	...	17.81	17.81	...	17.00	17.00
5. National Institute of Hydrology	2701	...	4.95	4.95	...	5.18	5.18	...	5.20	5.20
6. Research and Development Programme	2701	29.00	...	29.00	33.26	...	33.26	59.00	...	59.00
7. Others										
7.01 Boards and Committees	2701	...	2.05	2.05	...	1.43	1.43	...	1.86	1.86
	4701	...	...	...	...	0.15	0.15	...	0.38	0.38
Total Others		...	2.05	2.05	...	1.58	1.58	...	2.24	2.24
8. Non Plan Grants to States										
8.01 Assistance for Sutlej Yamuna Link Canal Project	3601	...	25.00	25.00	...	15.00	15.00	...	25.00	25.00
9. Development of Water Resources Information System	2701	27.85	...	27.85	15.13	...	15.13	37.35	...	37.35
	2702	...	...	...	...	...	...	0.08	...	0.08
	3601	...	...	...	3.53	...	3.53	6.00	...	6.00
	3602	...	...	...	0.05	...	0.05	0.07	...	0.07
	Total	27.85	...	27.85	18.71	...	18.71	43.50	...	43.50
10. Infrastructure Development	2701	3.00	...	3.00	3.00	...	3.00	4.00	...	4.00
	4701	1.00	...	1.00	0.35	...	0.35	1.00	...	1.00
	Total	4.00	...	4.00	3.35	...	3.35	5.00	...	5.00
11. Hydrology Project	2701	33.00	...	33.00	13.60	...	13.60	44.00	...	44.00
12. Research & Development in Apex Organization	2701	...	...	...	...	...	...	...	...	...
3 Investigation of Water Resources Development Scheme	2701	29.56	...	29.56	26.97	...	26.97	35.00	...	35.00
14. Information, Education and Communication	2701	2.00	...	2.00	5.17	...	5.17	13.00	...	13.00
15. Dam Safety Studies and Planning	2701	1.00	...	1.00	0.30	...	0.30	1.60	...	1.60
16. River Basin Organization/Authority	2701	0.50	...	0.50	0.10	...	0.10	1.00	...	1.00
Total - Major and Medium Irrigation		128.91	132.27	261.18	103.26	124.61	227.87	204.40	134.97	339.37
Minor Irrigation										
17. Central Ground Water Board	2702	...	55.70	55.70	...	59.70	59.70	...	57.70	57.70
18. Rajiv Gandhi NGWT&RI	2702	1.50	...	1.50	0.83	...	0.83	2.10	...	2.10
19. Ground Water Management and Regulation	2702	55.40	...	55.40	44.60	...	44.60	92.30	...	92.30
20. Infrastructure Development	4702	4.15	...	4.15	1.41	...	1.41	6.50	...	6.50
Total - Minor Irrigation		61.05	55.70	116.75	46.84	59.70	106.54	100.90	57.70	158.60
21. Command Area Development	2705	3.00	...	3.00	2.01	...	2.01	...	...	...
	3601	282.00	...	282.00	272.65	...	272.65	...	...	...
Total Command Area Development	Total	285.00	...	285.00	274.66	...	274.66	...	...	...
Flood Control										
22. Central Water Commission	2711	...	36.24	36.24	...	37.92	37.92	...	37.40	37.40
23. Emergent flood protection works in Eastern & Western Sectors	7601	...	3.00	3.00	...	3.00	3.00	...	3.00	3.00

		(In crores of Rupees)								
Major Head	Budget 2007-2008			Revised 2007-2008			Budget 2008-2009			
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
24. <i>Other Schemes of Flood Control</i>										
24.01. Flood Forecasting	2711	12.34	...	12.34	9.16	...	9.16	19.50	...	19.50
24.02. River Management										
Activities and Works related to Border Rivers	2711	18.25	...	18.25	18.25	...	18.25	25.00	...	25.00
	3601	...	...	...	...	...	...	43.00	...	43.00
<i>Total</i>		18.25	...	18.25	18.25	...	18.25	68.00	...	68.00
24.03. Infrastructure Development	4711	1.45	...	1.45	1.45	...	1.45	18.00	...	18.00
Total : Other Schemes of Flood Control	Total	32.04	...	32.04	28.86	...	28.86	105.50	...	105.50
Total for Flood Control	Total	32.04	39.24	71.28	28.86	40.92	69.78	105.50	40.40	145.90
25. <i>Provision under schemes for the benefit of North Eastern States and Sikkim</i>										
25.01 Research and Development Programme	2552	1.00	...	1.00	0.94	...	0.94	1.00	...	1.00
25.02 Command Area Development Programme	2552	15.00	...	15.00	11.00	...	11.00	...	...	...
25.03 Pagladia Dam Project	2552	1.00	...	1.00	1.35	...	1.35	2.00	...	2.00
25.04 Development of Water Resources Information System	2552	2.15	...	2.15	1.29	...	1.29	2.50	...	2.50
25.05 Ground Water Management and Regulation	2552	6.60	...	6.60	6.60	...	6.60	2.70	...	2.70
25.06 Investigation Water Resources Development Scheme	2552	0.44	...	0.44	0.33	...	0.33	2.00	...	2.00
25.07 Flood Forecasting	2552	3.66	...	3.66	3.58	...	3.58	3.50	...	3.50
25.08 River Management Activities and Water related to Border Rivers	2552	27.75	...	27.75	32.50	...	32.50	92.00	...	92.00
<i>Total</i>		57.60	...	57.60	57.59	...	57.59	105.70	...	105.70
25.09 Infrastructure Development	4552	2.40	...	2.40	0.80	...	0.80	8.50	...	8.50
<i>Total</i>		2.40	...	2.40	0.80	...	0.80	8.50	...	8.50
Total - Provision under schemes for the benefit of North Eastern States and Sikkim		60.00	...	60.00	58.39	...	58.39	114.20	...	114.20
Other Transport Services										
26. Farakka Barrage Project	3075	...	24.99	24.99	...	25.47	25.47	...	25.60	25.60
	5075	33.00	-1.20	31.80	37.99	-1.20	36.79	75.00	-1.20	73.80
<i>Total</i>		33.00	23.79	56.79	37.99	24.27	62.26	75.00	24.40	99.40
27. Aid Materials and Equipments Deduct - Transfer to Functional Major Head	3606	...	0.30	0.30	...	0.30	0.30	...	...	...
Major Head	3606	...	-0.30	-0.30	...	-0.30	-0.30	...	...	...
Net	...	...	...	...	...	...	...	...	...	...
Grand Total		600.00	271.76	871.76	550.00	271.70	821.70	600.00	280.00	880.00
C. Plan Outlay	Head of Dev	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total
Central Plan										
1. Secretariat-Economic services	13451	...	...	...	...	...	...	...	...	...
2. Major and Medium Irrigation	12701	128.91	...	128.91	103.26	...	103.26	204.40	...	204.40
3. Minor Irrigation	12702	61.05	...	61.05	46.84	...	46.84	100.90	...	100.90
4. Command Area Development	12705	285.00	...	285.00	274.66	...	274.66	...	...	...
5. Flood Control	12711	32.04	...	32.04	28.86	...	28.86	105.50	...	105.50
6. Other Transport Services	13075	33.00	...	33.00	37.99	...	37.99	75.00	...	75.00
7. North Eastern Areas	22552	60.00	...	60.00	58.39	...	58.39	114.20	...	114.20
Total		600.00	...	600.00	550.00	...	550.00	600.00	...	600.00

1. Secretariat – Economic Services: Non-Plan provision is for secretariat expenditure of the Ministry.

Major & Medium

2. Central Water Commission: National Water Academy will cover the activities related to training of In-service Engineers from State and Central organizations in the area of Water Resources Development and particularly Integrated River Basin Planning and Management and other subjects related to Water Resources Development and Management.

6. Research and Development Programme for Water Sector: The objectives of the scheme are (i) To find practical solutions to the country's water resources related problems and to improve available technology and engineering methods and procedures and in particular to take up research studies for improvement of the efficiency of the existing facilities (ii) To create / upgrade research facilities and equipments of the premier organisation at National level to keep pace with the present technology (iii) To support research works to be taken up by the various institutions in the country in the water sector.

9. Development of Water Resources Information System: The management of water resources is a highly complex task that involves multidisciplinary domains including data acquisition, numerical modelling, optimization, data warehousing, and the analysis of socio-economic, environmental and legal issues. In view of water's vital role in human life, there is a need for better design and optimal use of hydro-systems. In this context, a rational analysis must be based on an approach that considers all related causes and effects and systematically evaluates the various alternatives. The water resources information system play a vital role in achieving optimal utilization of the resources. The objective of the scheme is to develop a water resources system and made it fully operational at the earliest. Water Resources Information System dedicated to the management of water resources.

10. Infrastructure Development: This scheme will include the activities related to Lands & Building and IT Development and will include the activities related to (i) Land and Buildings of CWC, (ii) Lands and Buildings of CGWB, (iii) IT Development of MoWR and (iv) Upgradation and Modernisation of Computerization and Information system of CWC

11. Hydrology Project: To extend and promote the sustained and effective use of the Hydrological Information System (HIS) by all implementing agencies concerned with water resources planning and management in the 13 States and 8 Central agencies. The project would extend the HIS to the four new state agencies of H.P., Punjab, Goa and Pondichery. The coverage of existing states under the project is to help them move from development of Hydrological Information System (HIS), as in the Hydrology Project Phase-I, towards use of HIS in water resources planning and management. The project will strengthen the capabilities of implementing agencies at state/central level in using HIS for efficient water resource planning and management. It will build awareness and outreach services about HIS use; establishing and enhancing HIS data utilization by all concerned organizations.

13. Investigation of Water Resources Development Scheme: To carry out the activities related to survey, field investigation, preparation of Pre-feasibility/Feasibility Report (FRs) & Detailed Project Report (DPRs) of various Water Resources Development Schemes including the schemes for Inter Basin transfer of Water and to carry out other studies and activities considered necessary incidental, supplementary or conducive to attainment of above objectives.

14. Information, Education and Communication: The

main objectives of the scheme are (i) To promote advocacy on the tenets of National Water Policy for adopting in projects setting, learning, documenting and dissemination. (ii) To create awareness among the people of necessity of using available water resources judiciously and sparingly. (iii) To create awareness on necessity of adopting measures for rainwater harvesting and artificial recharge of ground water to meet present and future needs of water. (iv) To reinforce importance of traditional water bodies in maintaining water balance and meeting water needs of the population. (v) To enable the public to have direct access to various database on techniques of conservation of water. (vi) To make conservation of water a mass campaign and to induce population to voluntarily adopt various water saving measures. (vii) To make special efforts to reach women and children through specially targeted messages

15. Dam Safety Studies & Planning: The scheme envisages taking up necessary studies related to Dam Safety and infrastructure strengthening of the Dam Safety Organisation.

16. River Basin Organization/Authority: The objective of the scheme is to encourage formation of River Basin Organization with the primary objective of providing a forum to all the co-basin states for taking up necessary studies and evaluation etc. with a view to identify the most appropriate alternative for optimum utilization of resources and meeting the aspirations of all stake-holders.

Minor Irrigation

18. Rajiv Gandhi Institute of Training and Research: This scheme will cover the activities to provide a base for organizing and Upgrading the knowledge and skills of ground water professional in Planning, Investigation, Development, Management, Augmentation, Conservation and Protection of Ground Water Resources.

19. Ground Water Management and Regulation: The main objectives of the scheme are to carry out ground water management studies, ground water exploration aided by drilling to delineate ground water worthy areas, to periodically assess country's ground water resources and revise/update the methodology, establishing/updating of data storage and information system and to carry out geophysical studies through surface and sub-surface methods.

Flood Control

24.01. Flood Forecasting: To strengthening and improvement of the flood forecasting and inflow forecasting network in India and development of forecast information system.

24.02. River Management Activities in Border Areas: In view of the international issues involved, it is necessary to take up river management activities on priority in a systematic method which include hydrological observation, investigation and necessary flood control, measures in cooperation with neighboring countries wherever necessary.

25.03. Pagaladiya Dam Project: The main objective of the scheme is the construction of dam and canal system etc. to protect an area of 40,000 ha in Nalbari area of Assam from recurring floods of the river Pagladiya and to provide irrigation to a Gross Command Area of 54,160 ha annually (average). The project is to generate 3 MW of hydro-electricity from canal release as incidental benefit.

Transport Sector

26. Farakka Barrage Project: The main objective of the Farakka Barrage Project is "operation and maintenance of Farakka Barrage and associated structures including anti-erosion measures for safety of barrage".