

Department of Water Resources, River Development and Ganga Rejuvenation

1. Flood Management & Border Areas Programme (FMBAP) (CSS)

FINANCIAL OUTLAY- (Rs. In Cr.)	OUTPUTS 2024-25			OUTCOMES 2024-25		
	2024-25	Output	Indicators	Target 2024-25	Outcome	Indicators
449.57	1. Execution of river management, anti-erosion, flood control and anti-sea erosion works in critical areas.	1.1. Total no. of flood management projects completed	10	1. Reduction in damage due to floods, river erosion in selected river catchments.	1.1. Total population benefited under the intervention. (in Lakhs)	6.9
					1.2. Total area protected due to new construction works. (in Lakh ha)	0.82

2. Farakka Barrage Project (FBP) (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2024-25			OUTCOMES 2024-25		
	2024-25	Output	Indicators	Target 2024-25	Outcome	Indicators
80.00	1. Operation and maintenance of Farakka Barrage	1.1. Replacement of old gates of Farakka Barrage & Head	6	1. Diversion of Ganga waters to Bhagirathi-	1.1. Total volume of Ganga water being diverted to	40,000

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2024-25			OUTCOMES 2024-25			
	2024-25	Output	Indicators	Target 2024-25	Outcome	Indicators	Targets 2024-25
	& its associated structures.	Regulator Gates (in nos.)			Hoogly river system and maintain the flow of river Ganga as per provisions of the Treaty.	Bhagirathi-Hoogly River system ^{1*} ² (in cusec)	
				2.	Water supply for electricity generation.	2.1. Quantum of water supplied to NTPC. (in cusec)	2,100
		1.2. River and canal protection work in the jurisdiction of Farakka Barrage completed ³ (in meters)	1,000	3.	Anti-erosion/ river training works to keep river flow in desired channel to avoid outflanking of river and Bank protection /	3.1. River Ganga is flowing in desired path in between Upper Stream and Down Stream guide bund ⁴	Target not amenable .

¹ As per provision of India- Bangladesh Treaty of 1996 on sharing of Ganga/Ganges waters at Farakka..

² The volume of water diverted towards Bhagirathi-Hoogly river system depends upon the provision of Treaty and flow reaching Farakka also depends upon hydro-meteorological conditions.

³ This is proposed length of work. However, actual length will be decided as per the recommendations of Technical Advisory Committee of FBP.

⁴ Anti-erosion / river training works and canal bank protection / scour pocket filling works are regular O&M activities to keep the river in desired path/ channel and hence there are no targets for this indicator.

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2024-25			OUTCOMES 2024-25			
	2024-25	Output	Indicators	Target 2024-25	Outcome	Indicators	Targets 2024-25
					scour pocket filling work in Feeder canal.		

3. Development of Water Resources Information System (DWRIS) (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2024-25			OUTCOMES 2024-25		
	2024-25	Output	Indicators	Targets 2024-25	Outcome	Indicators
115	1. Infrastructure Augmentation for collection of necessary data points under Water Resources Information System.	1.1. Cumulative no. of hydro-meteorological observation sites where R&M completed	1,624	1. Maintaining robust network of hydro-meteorological data & future expansion.	1.1. No. of Water Yearbooks published (for previous water year)	100
		1.2. Cumulative no. of Water Quality Monitoring Sites where R&M has been done	782			
		1.3. Cumulative number of reservoirs monitored for live storage on real-time basis	71			

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2024-25			OUTCOMES 2024-25			
	2024-25	Output	Indicators	Targets 2024-25	Outcome	Indicators	Targets 2024-25
	2.	Increase in coverage area and lead time under flood forecasting activity.	2.1. Cumulative no. of Flood Forecasting stations for which flood forecasts are issued	338	2. (i) Minimize flood-related loss of life and property; (ii) 7-day advisory allows authorities more time to take appropriate action; (iii) Obtain real-time data acquisition; (iv) Predict the extent of submergence at different flood levels.	2.1. No. of flood forecasts to be issued timely for evacuation of people, livestock ⁵	8,000
			2.2. Cumulative No. of stations where 7-day advisory using hydro-dynamic models issued	338			
			2.3. Cumulative no. of stations where Telemetry stations are installed& data is received	1,056		2.2. Number of Telemetry-stations from which data is acquired on real-time basis	1,056
	3.	Collection of Coastal data	3.1. Cumulative no. of sites under coastal management information system	8	3. Identifying coastal processes and erosional causes for planning and	3.1. Cumulative No. of sites for which collected data is hosted on India-WRIS ⁶	8

⁵ No of forecast issued will depend upon flood situation.

⁶ Only Non-Classified data will be hosted.

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2024-25			OUTCOMES 2024-25			
	2024-25	Output	Indicators	Targets 2024-25	Outcome	Indicators	Targets 2024-25
					design of coastal protection works.		

4. Ground Water Management and Regulation (GWM&R) (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2024-25			OUTCOMES 2024-25		
	2024-25	Output	Indicators	Targets 2024-25	Outcome	Indicators
325	1. Preparation of high-resolution aquifer maps and issue-based management plans to ensure sustainability of ground water resources.	1.1. Total area for which high-resolution aquifer map and issue-based management plan have been prepared (in thousand sq. km)	20	1. Improved data/information and knowledge base for sustainable management of ground water resources.	1.1. Area equipped with aquifer management plans with implementable interventions for ensuring the long-term sustainability of ground water resources ⁷ (in thousand sq. km)	40
	2. Status of ground water level and quality and	2.1. Incremental water level data generated through monitoring (in	84	2. Improved understanding of the spatial	2.1. Number of States/UTs which have updated information on	23

⁷ Management Plan and report of 40,000 sq. km. covered in Previous Year 2023-2024 is being prepared and will be shared shortly with the State Governments.) The outcome of 2024-2025 will be reflected in next year.

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2024-25			OUTCOMES 2024-25			
	2024-25	Output	Indicators	Targets 2024-25	Outcome	Indicators	Targets 2024-25
	assessment.	thousand)			and temporal changes in groundwater levels and groundwater quality to facilitate its judicious management	behaviour of groundwater levels and groundwater quality (Available through no. of Ground Water Year Books) ⁸	
		2.2. Incremental water quality data generated through monitoring. (in thousand)	15				
	3. Assessment of dynamic ground water resources of the country for the year 2023.	3.1. Number of States for which reports received for National Compilation of Dynamic Ground Water Resources of India	36	3. Updated State/UT wise information on the availability and status of utilisation of dynamic groundwater resources for sustainable management	3.1. States/UTs for which updated information on the availability and status of utilisation of groundwater is made available	36	
	4. Regulation of ground water for sustainable	4.1. Number of No Objection Certificates (NOCs) issued for	3,500	4. Regulation of ground water extraction by	4.1. Number of annual compliance reports submitted. ⁹	1,500	

⁸ The Target will be given after finalization of AAP 2024-2025.

⁹ Compliance reports are to be submitted by the proponents after one year of issuance of NOC. No. of compliance reports will be pertaining to those proponents, who have been issued NOC in previous years.

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2024-25			OUTCOMES 2024-25			
	2024-25	Output	Indicators	Targets 2024-25	Outcome	Indicators	Targets 2024-25
		management of ground water resources.	ground water extraction		Industries, Infrastructure units and mining projects.		

5. Research & Development (R & D) & National Water Mission (NWM) (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2024-25			OUTCOMES 2024-25			
	2024-25	Output	Indicators	Targets 2024-25	Outcome	Indicators	Targets 2024-25
67.06	a. Research & Development (R & D)						
	1.	Increasing research & development base.	No. of research/technical reports published	210	1. Improved indigenously developed technology use, increased officer capacities, and wider research base utilization.	1.1. No. of people trained by Capacity building sessions and at the additional facilities and research infrastructure created.	1,000
			1.1. No. of Trainings and workshops conducted.	75		1.2. No. of high-impact (based on citations) technical reports & research papers published	10

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2024-25			OUTCOMES 2024-25			
	2024-25	Output	Indicators	Targets 2024-25	Outcome	Indicators	Targets 2024-25
b. National Water Mission (NWM)							
	1. Preparation of State Specific Action Plans (SSAP) for Water Sector.	1.1. No. of States and /UTs where the final SSAP reports after approval have been forwarded for the implementation of recommendations provided in the final SSAP reports.	4				
	2. Human Resource Development and Capacity Building.	2.1. No. of Workshops/ Webinars/ seminars/ talks/training etc. conducted.	40	2. Capacity building of various stakeholders for water conservation/ water use efficiency.	2.1. No. of people's skill-upgraded. (in thousands)	40	

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2024-25			OUTCOMES 2024-25			
	2024-25	Output	Indicators	Targets 2024-25	Outcome	Indicators	Targets 2024-25
	3.	Studies of Water Use Efficiency (WUE) and recommendations to increase WUE in Agriculture Sector.	3.1. No. of irrigation projects for which final reports have been prepared and submitted on baseline studies for evaluation of WUE	2	3. Increase in Water use efficiency in Agriculture Sector.	3.1. No. of states and UTs that have implemented the recommendations, provided in the reports on baseline studies	4
	4.	Studies on Water Use Efficiency (WUE) and recommendations to increase WUE in Industrial Sector.	4.1. No. of final report prepared and submitted on benchmarking study for evaluation of WUE in Industries (steel, thermal textile and pulp & paper)	2	4. Increase in Water use efficiency in the Industrial Sector.	4.1. No. of line Ministries/Departments/organizations that has implemented the recommendations, provided in the reports on baseline studies	12
	5.	Jal Shakti Abhiyan.	5.1. Total Water Related Works Completed. (in lakhs)	40	5. Rain Water Harvesting & Ground Water Level	5.1. Increase in Ground water Level & quantum of Rain Water Harvested.	Targets not Amenable ¹⁰
			5.2. Number of Jal Shakti Kendras established	100	6. Information dissemination.	6.1. Number of footfalls in Jal Shakti Kendras. (in thousands)	20

¹⁰ The groundwater level depends on a number of factors such as hydrogeological conditions like type of soil/aquifers, rainfall, ground water, pumpage, irrigation practices etc.

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2024-25			OUTCOMES 2024-25		
	2024-25	Output	Indicators	Targets 2024-25	Outcome	Indicators
		5.3. Number of Training Programmes/Kisan Melas Organized. (in thousands)	60	7. Capacity building of farmers.	7.1. Number of farmers benefitted from Kisan Melas. (in lakhs)	9
	6. Mass awareness about BWUE.	6.1. Campaigns/ workshops/ conferences for sensitising the public regarding increase in water use efficiency	14	8. Sensitization of farmers/ School children/ NGOs/ WUA/ Project authorities etc.	8.1. Number of farmer's/ School children/NGOs/ WUA/ Project authorities etc sensitized/Trained. (in lakhs.)	10

6. River Basin Management (RBM) - (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2024-25			OUTCOMES 2024-25		
	2024-25	Output	Indicators	Targets 2024-25	Outcome	Indicators
Total: 154.79	Investigation of Water Resources Development Schemes – National Water Development Agency (NWDA):					
(NWDA: 40)	1. National Perspective Plan and Other Intra-state links.	1.1. Progress for the completion of Detailed Project Report (DPR) for 3 projects ¹¹ . (%)	100	1. The interlinking of river projects will offer long-term benefits, including an increase in cultivable command area (CCA), enhanced power generation, and improved water supply for drinking purposes ¹²	1.1. Increase in CCA, power generation and make water available for various uses	Targets not amenable
		1.2. Progress for completion of Detailed project report (DPR) for another 3 projects ¹³ (%)	50			
2. Himalayan Links	2.1 Number of pre-feasibility/ feasibility report of Himalayan links completed	100				
	2.2 Number of Water Balance Reports. Completed. (%)	100				

¹¹ These 3 projects are : Modified Parbati-Kalisindh-Chambal; Subarnarekha- Mahanadi; and Sarda-Yamuna.

¹² Taking up the work of implementation of project after signing of agreement i.e. MoU/MoA and approval of financial outlay from Govt. of India. So, the outcome will commence after implementation of any ILR/intra-state project.

¹³ These 3 Projects are: Manas-Sankosh-Tista-Ganga; Ganga-Damodar-Subarnarekha; and Mahanadi-Godavari.

		2.3 Number of System Studies completed. (%)	100			
		2.4. Signing of two MoU/MoA for implementation of link project. (%)	100			
(CWC Component: 14.79	b. RBM: Investigation of Water Resources Development Schemes – CWC component					
	1. Barinium HEP, J&K DPR ¹⁴ .	1.1. Obtaining NOC from Govt of Himachal Pradesh By JKSPDC.	Yes.	1. Preparation of Detailed Project Reports. (DPR)	1.1. Completion of chapters of DPR	2
		1.2. Finalisation of Dam Site from Three Alternative. [5A, 5B & 6]	Yes.			
		1.3. Finalising Locations of Drilling holes and award of Drilling Works.	Yes.			
		1.4. Drilling Works. (in %)	30			
		1.5. Finalising Locations of Drifts and award of Drifting Works.	Yes			
		1.6. Drifting Works. (in %)	20			
		1.7. Revision of Power Potential Studies	Yes			

¹⁴ Preparation of Projects after detailed Survey and Investigations, Topographical Survey, Drilling, Drifting, Construction material Survey, lab tests of Core samples and In-situ tests in drifts, Geological mapping etc. and studies on hydrological, Irrigation Planning environment aspects, cropping pattern Crop water requirement etc.

	2. Tlawng Hydro-Electric Project, Mizoram	2.1. Drifting. (in %)	100			
		2.2. Rim stability. (in %)	100			
		2.3. Seismic study. (in %)	100			
	3. Madhura Irrigation Project, Assam	3.1 Canal Alignment and cross drainage survey. (in %)	20			
		8.2. Command Area plotting (80% already completed).	20			
		8.3. Topographical Command area survey (80% already completed).	20			
		8.4. Geological Mapping by GSI. (in %)	80			
		8.5. Diamond Core Drilling. (in %)	100			
		8.6. Seismological studies by CWPRS. (in %)	50			
		8.7. Semi-Detailed Soil Survey and Irrigation Planning (40% already completed).	60			
		8.8. Geotechnical Investigation, Rock Mechanics and Construction material survey by CSMRS. (in %)	60			

	4. Tuichang H.E.Project, Mizoram.	4.1. Revision of Dam Area Survey, Reservoir Survey, River Survey, and property survey. (in %)	75			
		4.2. Power Potential Study. (in %)	100			
		4.3. Geological Mapping. (in %)	80			
		4.4. Rim Stability Test. (in %)	100			
		4.5. Construction and foundation material study. (in %)	40			
		4.6. Site Specific Seismic and shear wave velocity study. (in %)	40			
	5. Drass-Siru Link Project.	5.1. Visit of various experts of CWC, CEA, CSMRS, GSI (%).	100			
		5.2. Finalisation of Dam sites and other components. (in %)	100			
		5.3. Establishment of Metrological station (%).	100			
		5.4. Hydrological Studies. (in %)	100			
		5.5. Power Potential Study. (in %)	100			

	6. Damring Irrigation Project, Meghalaya.	6.1. Reservoir Area & Command Area, survey (in %)	20			
		6.2. Canal alignment and cross drainage survey. (in %)	20			
		6.3. Topographical Command area survey.(%).	20			
		6.4. Hydrological studies. (in %)	100			
		6.5. Geological Mapping. (in %)	80			
		6.6. Diamond Core Drilling. (in %)	100			
		6.7. Seismological studies by CWPRS. (in %)	50			
(BB: 100)		6.8. Semi-Detailed Soil Survey and Irrigation Planning. (in %)	60			
		6.9. Geotechnical Investigation, Rock Mechanics and Construction material survey. (in %)	60			

c. RBM- Brahmaputra Board component						
	1. Completion of ongoing / new anti-erosion, drainage development works.	1.1. No. of locations where bank protection work shall be executed	6	1. Increased protection against flood & erosion, reduced drainage congestion and reclamation of agricultural land, a better infrastructure/ environment for working, Improve indigenous water management practices, and improvement of environmental condition of some historically important places near river.	1.1. Area of land protected from flood and erosion. (in ha.)	32,455.4
					1.2. Population benefitted from flood protection & Erosion (No.)	1,25,946
	2. Preparation/ Update of river basin Master Plans related to flood controls, bank erosion, and	2.1. No. of Master Plans prepared/modified	2	1. Increase protection against flood & erosion, reduced drainage congestion and	2.1. Cumulative No. of approved plan for execution in basin development.	2

	improvement of drainage as well as Irrigation Projects. Preparation of DPRs of Multipurpose projects & Flood Management schemes etc.			reclamation of agricultural land, Improve indigenous water management practices and improvement of health of watershed with an eye on climate change issues.		
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7. Dam Rehabilitation and Improvement Project (DRIP) Phase-II (CS)

Financial Outlay (Rs. in Cr.)	OUTPUTS 2024-25			OUTCOMES 2024-25				
	2024-25	Output	Indicator(s)	Target 2024-25	Outcome	Indicator(s)	Target 2024-25	
46.98	1.	Rehabilitation and Improvement proposals for dams.	1.1. Amount of Rehabilitation proposals of dams in form of Project Screening Templates. (Rs. in Cr.)	300	1.	Improvement in the safety and operational performance of selected dams by physical rehabilitation.	1.1. Amount of Contract(s) awarded. (Rs. in Cr.)	400

Financial Outlay (Rs. in Cr.)	OUTPUTS 2024-25			OUTCOMES 2024-25			
	2024-25	Output	Indicator(s)	Target 2024-25	Outcome	Indicator(s)	Target 2024-25
	2.	Capacity building of States officials.	2.1. No. of National training programs conducted.	10	2. Dam Safety Institutional Strengthening	2.1. No. of officials trained in various areas including Design Flood Review, Procurement Management, CS&QA activities, Financial Management and Environment and Social Safeguards etc.	300
			2.2. No of International Training Program and Dam Safety Conference organised	3		2.2. No of officials trained in advanced topics of dam safety.	60
						2.3. No. of Technical Papers received on technological know-how as well as global best practices during dam safety conference	150