

Department of Water Resources, River Development and Ganga Rejuvenation

1. National Ganga Plan, Ghat Works and National River Conservation Programme – Namami Gange (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2023-24			OUTCOMES 2023-24				
	2023-24	Output	Indicators	Targets 2023-24	Outcome	Indicators	Targets 2023-24	
	1.	Preventing direct discharge of sewage into Ganga and treatment of sewage.	1.1. Sewage Treatment Capacity installed (in MLD) in FY	1,000	1. Improved water quality to achieve prescribed bathing standards by 2024	1.1. Average B.O.D <sup>1</sup> content ( $\leq$ mg/l)	3	
			1.2. Average D.O. <sup>2</sup> content ( $\geq$ mg/l)	5				
	2.	Pollution abatement through regulation of direct discharge of industrial waste in Ganga and monitoring of water quality.	2.1. Percentage compliance of Grossly Polluting Industries in FY	100				
			2.2. Number of additional Manual water quality monitoring stations installed in FY	20				
			2.3. Number of Real Time water quality monitoring stations installed in FY	30				
	3.	Fish stock enhancement including Hilsa and livelihood improvement for sustainable fisheries and	3.1 No. of Carp fingerlings ranched in selected stretches Ganga in UP, Bihar and	10		2. Improved fish biodiversity of river Ganga <sup>3</sup>	2.1. Improved catch per unit hour of effort.	Targets not amenable <sup>4</sup>

<sup>1</sup> Biological Oxygen Demand

<sup>2</sup> Dissolved Oxygen

<sup>3</sup> Increased awareness about conservation of fish biodiversity among fisherman communities.

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	2023-24	Output	Indicators	Targets 2023-24	Outcome	Indicators	Targets 2023-24
	conservation in river Ganga.		West Bengal. (in Lakhs)				
		3.2	No. of Mahaseer (keystone species) brooders developed	6,000			
		3.3	No. of adult Hilsa ranching in Farakka stream	10,000			

## 2. Umbrella Scheme: Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) (CSS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2023-24			OUTCOMES 2023-24				
	2023-24	Output	Indicators	Targets 2023-24	Outcome	Indicators	Targets 2023-24	
	<b>a. Accelerated Irrigation Benefits Programme (AIBP)</b>							
	1.	Expedite Implementation of AIBP works 50 projects	1.1. No. of AIBP projects targeted for completion by March 2024	20	1.	Creation of additional irrigation potential	1.1. Total Irrigation Potential Created (in lakh Ha) through projects completed by PMKSY –AIBP	27.85

<sup>4</sup> The project is in the initial phase and the outcome target is not available as of now. The same may be provided in subsequent years.

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2023-24			OUTCOMES 2023-24		
	2023-24	Output	Indicators	Targets 2023-24	Outcome	Indicators
	(including phases) completed so far.	1.2. Irrigation Potential Created (in lakh Ha) through projects completed by PMKSY – AIBP in	3.5		1.2. Total Irrigation Potential Utilized <sup>5</sup> (in lakh Ha) through projects completed by PMKSY –AIBP	25
	<b>b. Command Area Development &amp; Water Management (CADWM)</b>					
	1. CADWM works in the identified prioritised project	1.1. No. of CADWM projects targeted for completion by March,2024	17	1. Reduce the gap between Irrigation potential created and utilized	1.1. Additional culturable command area covered (in lakh ha)	2
		1.2. No. of Water User's Associations created in FY	1,000			
		1.3. No. of assets handed over to the Water User's Association in FY	500			
	<b>c. Surface Minor Irrigation (SMI) &amp; Repair, Renovation and Restoration (RRR) of Water Bodies</b>					

<sup>5</sup> IPU is dependent upon CADWM works, agriculture extension works etc. IPU has been estimated by taking 100% irrigation for area having achieved the CAD coverage i.e. for 16.41 lakh ha and 80% irrigation in balance area.

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	2023-24	Output	Indicators	Targets 2023-24	Outcome	Indicators	Targets 2023-24
	1.	Expedite progress on the RRR/SMI components of the scheme	1.1. Additional no. of RRR & SMI projects to be completed in FY (projects/water bodies)	200	1. Creation of additional irrigation potential	1.1. Cumulative irrigation potential created (in lakh ha)	8.75
	<b>d. Special Package for Irrigation projects in Maharashtra</b>						
	1.	Expedient implementation of Major & Medium Irrigation (MMI) and Surface Minor Irrigation (SMI) Project. 18 SMI projects completed	1.1. Additional No. of Major & Medium Irrigation (MMI) projects to be completed by March-24	03	1. Creation and utilization of additional irrigation potential in the command of the projects under special package	1.1. Additional irrigation potential created (in Lakh Ha.)	0.3
			1.2. Additional No. of Surface Minor Irrigation (SMI) projects to be completed by March-24	27		1.2. Cumulative Irrigation Potential Utilised <sup>6</sup> (in lakh ha)	1.0
	<b>e. Irrigation Census- Standalone component <sup>7</sup></b>						
	1.	Conduct of Regional Trainings	1.1. Number of Regional Trainings conducted for detailed elaborations on	06	1. Information based planning and policy formulation in Minor	1.1. Number of downloads of census reports - 6th MI census and first Census of water bodies	100

<sup>6</sup>IPU is dependent upon CADWM works, agriculture extension works etc.

<sup>7</sup> Output in respect of 2023-24 mainly involves preparatory activities to be undertaken before the Official launch of 7<sup>th</sup> MI and 2<sup>nd</sup> Water Body census on ground like meeting of Steering committee ,finalisation of scope and relevant statistical instruments for the census, development of mobile App, finalisation & Pilot testing of mobile App and software for real time Data Entry & Validation of schedules, conduct of All India training workshop ,finalisation of regional training calendar & training material etc.

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	Output	Indicators	Targets 2023-24	Outcome	Indicators	Targets 2023-24	
		conduct of census on field		Irrigation Sector.			
	2. Conduct of 2 <sup>nd</sup> census of water bodies in convergence with of 7th MI Census	2.1. Number of States where 7th MI and 2nd Water Body census have been launched after the preparatory works.	03			1.2. Activities for data dissemination to be undertaken <sup>8</sup>	2
	3. Release of funds to States / UTs under Irrigation Census Scheme subject to compliance of State/UTs with Guidelines issued by DoE	3.1. No of States/UTs where funds were released in 2023-24	20				

### 3. National Hydrology Project (NHP) (CS)

<sup>8</sup> (i) Publishing of trend data of MI census on OGD platform - data.gov.in, (ii) Addressing the requests received from institutions and organizations (private and public) for 6th MI Census as well as Water Bodies Census

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	Output	Indicators	Targets 2023-24	Outcome	Indicators	Targets 2023-24
	1. Strengthening of Integrated Water Resource Information System	1.1. No. of additional Real Time Hydromet Stations with Water Data on line for surface and ground water.	7,000	1. Making available enhanced Water Resources information for better water resources planning and informed decision making for extreme events.	1.1. No of States with strengthened hydromet monitoring systems	19
		1.2. No. of existing modules of India WRIS to be enhanced.	19			
		1.3. No of incremental Data Download	68,000	3. Automatic system operation based on Real Time data acquisition with reduced margin of errors and skill improvement of operational staff.	3.1. No. States and River basin Organisation benefiting out of these.	7
	2. Installation of Supervised Control and Data Acquisition System (SCADA) for better Water Resource Management	2.1. No. of Projects being undertaken by the Implementing Agencies.	20			

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	2023-24	Output	Indicators	Targets 2023-24	Outcome	Indicators	Targets 2023-24
	3.	Construction of Piezometers for effective Ground Water Monitoring	3.1. No. of Piezometers being installed by the Implementing Agencies	661	4. Improved Ground Water Resource Estimation <sup>9</sup>	4.1. No. of States and River basin Organizations benefiting	8
	4.	Institutional Strengthening	4.1 No of additional Data Centre set up in FY	9			
			4.2 No of Trainings conducted (Both Online & Offline Mode)	110			
5.	Setting up of Inundation Forecast	5.1. No. of basins to be covered for Operational Inundation mapping based upon flood forecast with additional lead-time.	7	5. Enhanced responsiveness to flood forecasting	5.1 Percentage area covered under test inundation advisory (in sq.km.) <sup>10</sup>	1.39	

<sup>9</sup> (i) Along with installation of DWLRs for Real time water level and Quality monitoring for better Ground Water Management, (ii) Data input to Numerical Modelling of GW Basins for Aquifer Management Plan

<sup>10</sup> 10.8% of the area monitored/ modelled for flooding. Inundation forecast will be carried out for the total area from the beginning. Accuracy of forecast will increase gradually.

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	2023-24	Output	Indicators	Targets 2023-24	Outcome	Indicators	Targets 2023-24
	6.	Converting data into knowledge products for informed decision making	6.1. No of Knowledge Products	18		5.2 Cumulative river basin area under monitoring for floods (in lakh sq. km)	12.87
	7.	Enhanced capacity building for Water Resources Professional Including Research Students	7.1. No. of Water Resources Professionals trained	500			

#### 4. Atal Bhujal Yojana (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2023-24			OUTCOMES 2023-24			
	2023-24	Output	Indicators	Targets 2023-24	Outcome	Indicators	Targets 2023-24
	1.	Improved ground water monitoring and dissemination of data	1.1. Additional no. of monitoring wells.	4,000	1. Improved awareness about the local ground water scenario among the community	1.1. % of Gram panchayats having communities with improved awareness	100
			1.2. No. of block-wise ground water reports published in FY	100			



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	2023-24	Output	Indicators	Targets 2023-24	Outcome	Indicators	Targets 2023-24	
	2.	Public financing of Water Security Plans through convergence of ongoing/ new schemes	2.1. Cost of interventions (as per approved water security plan) implemented through convergence (In Rs. crore)	1,840	2.	Optimal use of available funds for facilitating sustainable water management	2.1. Number of GPs which have achieved convergence	3,300
	3.	Drip / sprinkler crop diversification	3.1. Area brought under Drip / Sprinkler Irrigation (in Ha.)	1,00,000	3.	Improved water use efficiency in agriculture	3.1. Area brought under efficient irrigation system (in Ha.)	1,35,000
			3.2. No. of farmers using drip/sprinkler irrigation in FY	5,000				
			3.3. Total area with diversified crops/any other water saving technique (in ha.)	35,000				

#### 5. Interlinking of Rivers Project (National Project) - NWDA (CSS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2023-24			OUTCOMES 2023-24		
	2023-24	Output	Indicators	Targets 2023-24	Outcome	Indicators

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2023-24			OUTCOMES 2023-24		
	2023-24	Output	Indicators	Targets 2023-24	Outcome	Indicators
	1. Priority links / Implementation of Project - Ken-Betwa link project (Land acquisition)	1.1. Setting up of office at Jhansi, Bhopal & Chhatarpur	Yes	1. Ken-Betwa Phase-I&II Project (On Completion): All the interlinking of river projects will provide long term outcomes of increase in Cultivable Command Area (CCA), power generation and make water available for various uses <sup>11</sup>	1.1 Total CCA (in ha.) <sup>12</sup>	9,04,432
		1.2. No. of villages acquired for the dam	21		1.2 Drinking Water Supply <sup>13</sup> (in MCM)	228.9
		1.3. R&R implementation (%)	60		1.3 Power Generation <sup>14</sup> (in MW)	130
		1.4. Detailed Survey KB Link Canal	Yes			
		1.5. Land acquisition (%)	80			
		1.6. Award of work, Civil Work for Daudhan dam (%)	5			
		1.7. Completion of project – Lower Orr (%)	80			
		1.8. Completion of project – Bina Complex (%)	50			
		1.9. Completion of Project – Kotha Barrage (%)	70			
		1.10. Completion of Project – UP-Barrages	10			
		1.11. DPR preparation for UP State projects <sup>15</sup>	Yes			

<sup>11</sup> The construction will start only after all statutory clearances and will take about 6 to 8 years. So, the outcome will commence after implementation of any ILR project.

<sup>12</sup> MP: 6,53,368 , UP : 2,51,064

<sup>13</sup> For 62.94 Lakh population of Uttar Pradesh and Madhya Pradesh

<sup>14</sup> Hydro: 103MW, Solar: 27 MW

<sup>15</sup> DPR of Ken Main Canal, Strengthening/ renovation of Bariyarpur PUW, Paricha Weir and Barua Sagar