



GOVERNMENT OF INDIA

Ministry of Jal Shakti

**DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT AND GANGA
REJUVENATION**

OUTPUT-OUTCOME MONITORING FRAMEWORK DOCUMENT: 2020-21

DEMAND NO. 61

**DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT AND GANGA
REJUVENATION**

(Schemes with financial outlays Rs. 500 crore or more)

Department of Water Resources, River Development and Ganga Rejuvenation

1. National River Conservation Programme (CS)

FINANCIAL OUTLAY- (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOME 2020-21		
2020-21	Output	Indicators	Target 2020-21	Outcome	Indicators	Target 2020-21
840.01	1. Protection, stabilization and conservation of river Ganga by preventing direct discharge of sewage waste in Ganga	1.1.No. of Sewerage Treatment Plants	4	1. Improved water quality to achieve prescribed bathing standards by 2022.	1.1.Improved Water Quality - Water Quality to be improved in terms of reduction in BOD and increase in DO.	Targets not amenable
		1.2.Sewage Treatment capacity (MLD)	437			

2. National Ganga Plan and Ghat Works – Namami Gange (CS)

FINANCIAL OUTLAY- (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOME 2020-21		
2020-21	Output	Indicators	Target 2020-21	Outcome	Indicators	Target 2020-21
800.01	A. National Ganga Plan					
	1. Pollution abatement through regulation of direct discharge of industrial waste in Ganga and	1.1.Reduction in number of non-complying Grossly Polluting Industries	110 ¹⁰¹	1. Improved water quality to achieve prescribed bathing standards by 2022.	1.1.Change in B.O.D content	BOD ≤ 3 mg/l
		1.2.Number of Manual water quality monitoring stations	96		1.2.Change in D.O. content	DO ≥ 5mg/l

¹⁰¹ As the inspection of 1072 GPIs in 2019 is yet to be completed, hence targets given for 2019-20 has been retained.

FINANCIAL OUTLAY- (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOME 2020-21			
	2020-21	Output	Indicators	Target 2020-21	Outcome	Indicators	Target 2020-21
		monitoring of water quality	installed				
			1.3. Number of Real Time water quality monitoring stations installed	40 ¹⁰²			
	2.	Protection, stabilization and conservation of river Ganga by preventing direct discharge of sewage waste in Ganga	2.1. No. of Sewerage Treatment Plants	13	2. Improved water quality to achieve prescribed bathing standards by 2022.	2.1. Improved Water Quality	Target not amenable.
			2.2. Sewage Treatment capacity (MLD)	140			
	3.	Maintaining cleanliness on river edges and better infrastructure for social and cultural activities	3.1. Construction/ Modernization of Ghats	6	3. Increasing social outreach for public participation and encouraging healthy and hygienic practices.	3.1. % change in footfalls at the Ghat and crematoria.	Target not amenable.
	4.	Better infrastructure for cremation rituals, preventing unburnt bodies disposed into river Ganga	4.1. Construction/ Development of Crematoria	6			
	5.	IEC Activities	5.1. IEC activities in Melas/ Mass baths/ Exhibitions/ Competitions/ Advertisement/ usage of	Done	4. Awareness and behaviour change through IEC activities.	4.1. % change in recall of the campaign and its attributes.	Target not amenable.

¹⁰² 40 new RTWQMS to be installed, 36 existing RTWQMS

FINANCIAL OUTLAY- (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOME 2020-21			
	2020-21	Output	Indicators	Target 2020-21	Outcome	Indicators	Target 2020-21
			social media and continuous activity ¹⁰³ (Not Done/Done)				
	6. Planning and management for Aquatic species conservation and maintenance of Ecosystem services in the Ganga river basin for a clean Ganga.	6.1. Current state of species of conservation concern and river habitat assessed – by ecological surveys to be carried out in select tributaries in the Ganga basin.	Target not amenable	5. High biodiversity stretches identified in select tributaries in the Ganga basin.	5.1. Species distribution maps prepared for select tributaries in the Ganga basin.(Yes/No)	Target not amenable ¹⁰⁴	
		6.2. No. of capacity building programmes to be carried out for Forest Departments and other stakeholder groups for states of the select tributaries. - Trained Forest Departments, veterinarians and local community of states at select tributaries in the Ganga basin, carrying out biodiversity and river habitat monitoring, and rescue operations.	Target not amenable	6. Establishment of Spearhead teams of states at select tributaries in the Ganga basin.	6.1. No.of trained manpower carrying forward conservation activities in their respective states.	Target not amenable ¹⁰⁵	
		6.3. No. of awareness and sensitization workshops	Target not	7. Local communities and	7.1. No.of awareness and conservation	Target not amenable.	

¹⁰³ IEC activities round the year including fortnight mass awareness campaigns (Ganga Swachhta Pakhwada, Swachhta Hi Sewa and Vriksharopan Abhiyaan etc.), events during local festivals & occasions (Kanwad Yatra, Char Dham Yatra, Magh Mela, Kumbh (Haridwar), Deep Deepawali and Kartik Purnima etc), exhibitions during events related to Water & Waste-water management & other events of public importance.

¹⁰⁴ Consolidation of information from ecological survey and literature review and publication in the form of brochures, booklets.

¹⁰⁵ Identification of Spearhead teams, and other stakeholder groups, development of training curricula and initiation of capacity building exercises.

FINANCIAL OUTLAY- (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOME 2020-21			
	2020-21	Output	Indicators	Target 2020-21	Outcome	Indicators	Target 2020-21
		conducted with various stakeholders and livelihood trainings conducted and skill development activities for Ganga Praharis in select tributaries. - Stakeholders aware of Ganga aquatic biodiversity. Local communities trained in sustainable livelihoods. Extension of Ganga Prahari cadre.	amenable		other stakeholders aware about aquatic biodiversity and motivated to contribute towards its conservation. Ganga Praharis involved in conservation activities.	activities conducted for local people by Ganga Prabharis.	¹⁰⁶
				8. Local communities adopting sustainable livelihoods.	8.1.No. of local people trained in alternative livelihoods	Target not amenable ¹⁰⁶	
				9. Promotion of biodiversity sensitive village level planning.	9.1.No. of micro planning activities conducted.	Target not amenable ¹⁰⁶	
		6.4. Increase in availability of gangetic carps, Mahaseer and Hilsa fishes - River ranching of indigenous fish species such as Indian Major Carps, Mahseer, and Hilsa (10 lakhs fingerlings) at	Done	10. Improved fish biodiversity of river Ganga.Increased awareness about conservation of fish biodiversity	10.1. Adoption rate (%) of the best practices advocated	Target not amenable.	

¹⁰⁶ Ganga Prahari cadre extended to select tributaries of Ganga basin. Stakeholder workshops conducted at strategic locations of select tributaries of Ganga basin. Livelihood trainings conducted at select locations.

FINANCIAL OUTLAY- (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOME 2020-21			
	2020-21	Output	Indicators	Target 2020-21	Outcome	Indicators	Target 2020-21
			selected sites of river Ganga (Done/Not Done)		among fisherman communities.		
	7.	Afforestation	7.1. Area Covered under afforestation (in ha.) ¹⁰⁷	Target not amenable	11. Improvement in quality and quantity of precipitation, which would contribute to the objective of improving the wholesome ness of the river and aviral dhara.	11.1. Area covered under forest along Ganga River.	Target not amenable.
	b. Ghat works and Beautification of river Fronts						
	1.	Maintaining cleanliness on river edges and better infrastructure for social and cultural activities	1.1. Construction/ Modernization of Ghats	10	1. Increasing social outreach for public participation and encouraging healthy and hygienic practices.	1.1. Increased footfall at the Ghat and crematoria.	Target not amenable.

3. Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)¹⁰⁸ (CSS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOME 2020-21		

¹⁰⁷ carried out by MoEF & CC through National & State CAMPA fund

¹⁰⁸ Budgetary allocation excludes allocation for Flood Management & Border Areas Programme

2020-21	Output	Indicators	Target 2020-21	Outcome	Indicators	Target 2020-21
4376.51 HKKP Budgetary Resources [Includes debt servicing of Rs. 2675.00 Cr.]	A) Accelerated Irrigation Benefits Programme (AIBP)					
	1. Expedited Implementation of AIBP works for 40 projects (including phases).	1.1.No. of AIBP projects targeted for completion by March 2021. ¹⁰⁹	21	1. Creation of additional irrigation potential	1.1. Total additional Irrigation Potential Created (in lakh Ha) through PMKSY –AIBP	5.62 ¹¹⁰
					1.2. % of Irrigation Potential Utilized through infrastructure created through PMKSY –AIBP	100% ¹¹¹
		1.2.No. of AIBP projects likely to be completed (Cumulative)	72	2. Resulting in increase in yield of crops & income of farmers; replenishment of ground water and increased water availability for other uses.	2.1 Increase in crop yield attributable to increased irrigation from PMKSY – AIBP	Target not amenable.
					2.2 Increase in groundwater levels attributable to PMKSY –AIBP	Target not amenable.
	B) Har Khet Ko Pani(HKKP)					
i. Command Area Development & Water Management (CADWM)						
	1. CADWM works in the identified prioritized projects	1.1. Culturable Command Area (ha) covered (in lakh ha)	5 ¹¹²	1. Reduce the gap between Irrigation potential created and utilized	1.1. Utilisation of irrigation potential in additional culturable command area (in lakh ha.)	5

¹⁰⁹ 66 projects are currently under progress, 11 are targeted for completion by Mar 2020, 21 are targeted for completion by March 2021.

¹¹⁰ during the year up to June 2021

¹¹¹ on completion of CADWM, agriculture extension works etc.

¹¹² CAD works in balance Culturable Command Area (CCA) of 5.00 lakh ha

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOME 2020-21		
	2020-21	Output	Indicators	Target 2020-21	Outcome	Indicators
		1.2.No. of Water User's Associations created	1000	2. Strengthen participatory irrigation management	2.1.Command area (in lakh ha) covered for participatory irrigation management through the Water User Associations formed.	5
ii. Surface Minor Irrigation (SMI) & Repair, Renovation and Restoration (RRR) of Water Bodies						
	1. Expedite progress on the RRR/SMI components of the scheme	1.1.No. of RRR & SMI projects to be completed (projects/water bodies)	100	1. Creation of additional irrigation potential	1.1.Additional irrigation potential created (in lakh ha)	0.50
iii. Ground Water						
	1. Creation of Ground water abstraction structures: Assam	1.1.Construction of no. of wells with pumps, Pipes/ in safe blocks/districts: Assam ¹¹³	4,779	1. Development of additional Irrigation potential.	1.1. Creation of additional command area (in ha)	19,116
				2. Irrigation facility to farmers.	2.1.Numbers of farmers benefitted	19,643
	2. Creation of Ground water abstraction structures: Arunachal Pradesh	2.1.Construction of no. of wells with pumps, Pipes/ in safe blocks/districts: Arunachal Pradesh ¹¹³	473	3. Development of additional Irrigation potential.	3.1.Creation of additional command area (in ha)	1,785
				4. Irrigation facility to farmers.	4.1.Numbers of farmers benefitted	3,350
	3. Creation of	3.1.Construction of no. of	2,512	5. Development of	5.1.Creation of additional	3,768

¹¹³ After the implementation of scheme Stage of GW development should not exceed 70%

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOME 2020-21		
2020-21	Output	Indicators	Target 2020-21	Outcome	Indicators	Target 2020-21
	Ground water abstraction structures: Gujarat	wells with pumps, Pipes/ in safe blocks/districts: Gujarat ¹¹³		additional Irrigation potential.	command area (in ha)	
				6. Irrigation facility to farmers.	6.1. Numbers of farmers benefitted	3,655
	4. Creation of Ground water abstraction structures: Tripura	4.1. Construction of no. of wells with pumps, Pipes/ in safe blocks/districts: Tripura ¹¹³	231	7. Development of additional Irrigation potential.	7.1. Creation of additional command area (in ha)	339
				8. Irrigation facility to farmers.	8.1. Numbers of farmers benefitted	851
	C) Irrigation Census -Standalone component					
	1. Conducting census of water bodies in convergence with of 6th MI Census	1.1. Completion of field work for 6 th MI Census and first Census of Water Bodies by States/UTs (Yes/No)	Yes	1. Informed planning and policy formulation in Minor Irrigation Sector.	1.1.No. of downloads of census reports - 6th MI Census as well as Water Bodies	Target not amenable. ¹¹⁴
		1.2. Completion of data processing activities by States/UTs for 6 th MI Census and Census of Water Bodies including data entry, validation & updation (Yes/No)	Yes		1.2.No. of data requests received from institutions and organizations (private and public) - 6th MI Census as well as Water Bodies Census	Target not amenable. ¹¹⁰
					1.3.No. of citations / references for the census report created -	Target not amenable. ¹¹⁰

¹¹⁴ Since the 6th MI Census & Census of Water Bodies has been launched in 2018-19, the report of the Census is likely to be published in 2020-2021. The targets would, therefore, be operational only after the census reports have been published.

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOME 2020-21			
	2020-21	Output	Indicators	Target 2020-21	Outcome	Indicators	Target 2020-21
						6th MI Census as well as Water Bodies Census	
	D) Special Package for Irrigation projects in Maharashtra						
	1. Expeditious implementation of Major & Medium Irrigation (MMI) and Surface Minor Irrigation (SMI) Project	1.1. No. of Major & Medium Irrigation (MMI) projects completed	2	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.).	0.96	
						1.2. Irrigation Potential utilised ¹¹⁵	Targets not amenable
		1.2. No. of Surface Minor Irrigation (SMI) projects completed	9	2. Resulting in increase in yield of crops & income of farmers; replenishment of ground water and increased water availability for other uses.	1.3. Increase in crop yield attributable to increased irrigation from Special Package for Irrigation projects in Maharashtra	Targets not amenable	
					1.4. Increase in groundwater levels attributable to Special Package for Irrigation projects in Maharashtra	Targets not amenable	

¹¹⁵ IPU is dependent upon CADWM works, agriculture extension works etc.

4 Flood Management & Border Areas Programme (FMBAP) (CSS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOME 2020-21				
	2020-21	Output	Indicators	Target 2020- 21	Outcome	Indicators	Target 2020-21	
750.00	1.	Execution of river management, anti-erosion, Flood Control, Restoration of Damage Flood Management Works and anti-sea erosion works in critical areas	1.1. Total no. of flood management works completed out of ongoing 83 projects ¹¹⁶	83	1.	Reduction in damage due to floods, river erosion in selected river catchments.	1.1. Total population benefited under the intervention 1.2. Total are protected due to new construction works (in Lakh ha)	Target not amenable. Target not amenable.
	2.	Expedite the finalisation of DPR of Pancheswar Multipurpose project (PMP) by both India and Nepal, related pre-construction activities of PMP and preparation of DPR of Sapta Kosi High Dam & Sun-Kosi diversion scheme etc as well as other flood management works in border area projects	2.1. Finalization of DPR of Pancheswar Multipurpose project by both India and Nepal (Yes/No)	Yes	2.	Reduction in damage due to floods, river erosion in selected river catchments and related pre-construction activities of PMP.	2.1 The Pancheswar Multipurpose project, when constructed and becomes operational would provide following benefits: Power: 5040 MW (2520 MW to India and 2520 MW to Nepal) Irrigation: 0.43 million Ha (0.26 Mha to India + 0.17 Mha to Nepal) Flood Control benefits	Target not amenable. ¹¹⁷
	2.2. Action for preparation of DPR of Sapta Kosi High Dam and Sub-Kosi diversion scheme (Yes/No)		Yes					
2.3. Maintenance of embankments in river Kosi & Gandak in Nepal portion. (Yes/No)	Yes							

¹¹⁶ for taking up new projects, a Committee under NITI Aayog has been constituted to finalise the contours of Scheme for post March, 2020 period.

¹¹⁷ Since the project is in DPR/ Investigation stage, there is no measurable outcome.

(Schemes with financial outlays less than Rs. 500 crore)

Department of Water Resources, River Development and Ganga Rejuvenation

1. Farakka Barrage Project (FBP) (Central Sector Scheme)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21		
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators
120 (Gross)	1. Operation and maintenance of Farakka Barrage & associated structures	1.1. Replacement of old gates of Farakka Barrage – No.of Crest	35	1. Increasing upland supply through feeder canal thereby Improving the regime and navigability in the Bhagirathi Hoogly river system & Preservation of Kolkata Port.Successful Implementation of India-Bangladesh Ganges river water sharing treaty of 1996.	1.1. Feeder Canal facilitates smooth movement of vessels in Hooghly –Bhagirathi River System. (Yes / No)	Yes
		1.2. Replacement of old gates of Farakka Barrage – No.of under sluice	5			
		1.3. Replacement of old gates of Farakka Barrage – No.of fish lock gate	4			
		1.4. River/Canal Bank Protection / anti erosion works in the original jurisdiction of Farakka Barrage (km)	2.5 ¹		1.2. 2500 cusecs of water supplied to the NTPC Thermal Power Plant from Feeder Canal (Yes / No)	Yes
		1.5. Automation of Gate operating system of Farakka Barrage	40%			

¹ This is proposed length of work. However, actual length will be decided with the approval of TAC of FBP later

2. Dam Rehabilitation and Improvement Project (DRIP) (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21				
	2020-21	Output	Indicators	Targets 2020- 21	Outcome	Indicators	Targets 2020-21	
55	1.	Improvement in the safety conditions of the dam by rehabilitation	1.1.No. of dams in Non-DRIP states where DHARMA has been implemented	50	1.	Improvement in the safety conditions of the dam by rehabilitation	1.1.No. of Dams where emergency action plan / disaster management plan has been implemented.	15
	2.	Capacity building of DRIP officials of Water Resources	2.1.No. of national training programs conducted	10	2.	Capacity building of the officials of Water Resources	2.1.No. of DRIP officials trained in DHARMA	150
	3.	Comprehensive evaluation of dam using modern risk-based concept"	3.1.Integration of Seismic Hazard Mapping (in M Sqkm area)	1.29 ²	3.	To enhance the seismic preparedness of Water Resources Departments and other professionals	3.1. % Development of SHAIS (Seismic Hazard Assesment Information System)	100%

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

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21				
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21	
140	1.	Infrastructure Augmentation	1.1.Hydrological data collection – No. of hydrological observation	1,598	1.	Increased coverage of WRIS	1.1.No. of sites where regular observations are made for hydrological data	1,598

² of South India, North and North-East India.

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
	for collection of necessary data points under Water Resources Information System.	sites where R&M has been done					
		1.2. Collection of water quality data - Water Quality Monitoring Sites where R&M has been done	531			1.2. No. of sites where regular observations are made for water quality	531
		1.3. Cummulative no. of sites and states for which coastal management information system operationalized	8 sites in 6 states			1.3. No. of sites and states for which data is being collected under Coastal Management Information System	8 sites in 6 states
		1.4. Cummulative number of reservoirs monitored for real time storage	140			1.4. No. of reservoirs for which assessment of water water availability is done on real-time basis	140
	2. Increase in coverage area and lead time under flood forecasting activity	2.1. Flood Forecasting using rainfall based hydrodynamic flood forecasting models-no. of Flood Forecasting stations where R&M has been done	325	2. Minimizing loss of life and property due to floods	2.1. No. of forecasts generated from 330 forecasting stations for timely evacuation of people, livestock	10,000 ³	
		2.2. Flood Forecasting using rainfall based hydrodynamic flood forecasting models-no. of Flood Forecasting stations added	5				

³ However, the exact number of forecasts would depend upon the monsoon conditions in 2020-21

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21		
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators
		2.3. Real-time data acquisition system installation – no. of stations where R&M has been done	968	3. Aquisition of data on real time basis	3.1. Acquisition of data from all 1093 Hydrological Observation Sites on real time basis (Done/Not Done)	Done
		2.4. 2.3. Real-time data acquisition system installation – no. of additional stations where installations have been done	125			
		2.5. No. of stations to which Inundation forecast using CWC-Google Collaboration is to be expanded	20	4. Predict extent of submergence at various levels of floods	4.1. Inundation forecasts issued for 20 stations (Done/NotDone)	Done

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

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21		
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators
290.00 (Gross)	1. Preparation of aquifer maps and management plans to ensure	1.1. Total area (in lakh sq. km) for which aquifer map and	3.0 lakh km ²	1. Improved data/information and knowledge base for sustainable management of ground water	1.1. Number of outreach programmes conducted for dissemination of data/information	50

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
		sustainability of ground water resources.	management plan has been prepared		resources.	and knowledge base for sustainable management of ground water and sensitisation of stakeholders	
	2.	Status of ground water level and quality and assessment	2.1. Frequency of monitoring of ground water levels through the monitoring network of CGWB (No. of times to be done in a year)	4	2. Sharing groundwater monitoring reports containing updated information of ground water scenario in the country with state departments.	2.1. Number of times the information is updated in a year and shared with state Govts departments and shared through India-WRIS webportal	4
2.2. Annual monitoring of ground water quality through the monitoring network of CGWB			1 (To be done once during the year)				
2.3. Dynamic Ground Water Resource			1				

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
			Assessment of the country for the year 2020				

* Under the proposed GWM&R Scheme for the period 2020-25, Springshed Mapping and Rejuvenation of vulnerable springs has been included under the Aquifer Mapping Component and a target of 11 Springshed has been proposed for the year 2020-21

5. National Hydrology Project (NHP) (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21		
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators
200.00	a) National Water Information Centre					
	1. Strengthening of Integrated Water Resource Information System	1.1. No of additional Hydromet Stations with Water Data on line including Digital Water Level Recorders(DWLRs)	1,000	1. Enhanced Water Resources information for Management of Water Resources	1.1. Number of additional stations for Water data online	1,000
		1.2. Development of Dashboard - No. of	7		1.2. Improved Water Resource Information System, better Analytics with 7 New additional Dashboards. Dashboards for rainfall, reservoirs,	Yes

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
		Dashboards added to the existing Website				river stations, soil moisture and evapo-transpiration developed. (i) Ground Water (ii) Water Quality (Yes/No)	
		1.3. Development of Generic State- WRIS - Product: Integration with India WRIS and editing of more states relevant layers	1			1.3.No. of basins – Extended Hydrological Studies	1
		1.4. Development of Water Audit frame Work - Product: Enhancement of DSS tool for Planning and Management of Water Resources	1			1.4.No. of basins - Sediment Studies	1

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
			Integrated with India-WRIS				
	2.	Centralize Hydro-met data base	2.1. No. of hydromet systems installed	Targets not amenable ⁴	2. Strengthening of Network	2.1. No of State with strengthened hydromet monitoring systems	5 ⁵
			2.2. No of Agencies	5			
	3.	Institution Strengthening	3.1. No of additional Data Centre	4	3. Enhanced capacity building for WaterResources Professional	3.1. Capacity Building - WR Professionals trained	200
			3.2. No of Training	30			
			3.3. No of workshop	2			
			3.4. No of conference	1			
	4.	Setting up of inundation Forecast	4.1. Acquisition of DEM in Basin	0.5m DEM Acquisition for 30000 sq.km	4. Enhanced responsiveness to flood forecasting	4.1. Area covered (in sq km) for test inundation advisory.	4,000
			4.2. No. of basins - Inundation test forecast	2			

⁴ Contracts for RTDAS awarded in 5 States (1800 stations), execution in progress

⁵ RTDAS Contracts for 5 more States shall be awarded (1000 stations) 2 SCADA systems

6. Infrastructure Development (ID) - (Central Sector Scheme):

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
50.00	1.	Continuation of Construction /Renovation of buildings & services of CWC at two different places in the new proposed EFC Memo of ID Scheme.	1.1.No. of buildings/services of CWC constructed/ Renovated.	2	1. Better working environment on completion of works. Savings on monthly rent on completion of works.	1.1.Increased satisfaction level of employees.	Target not amenable. ⁶
	2.	Construction of buildings & services of CWC at Four different places in the new proposed EFC Memo of ID Scheme.	2.1 No.of new buildings & services of CWC constructed.	4		1.2.Savings made on rent upon construction of office building. (Savings on payment of monthly rental based on market rates) (in Rs)	Target not amenable.

⁶ Satisfaction levels at baseline will be determined during the public survey, and targets for improving those in subsequent years will be appropriately set

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
	3.	Construction of buildings & services of CGWB at three different places as approved in SFC.	3.1 No. of buildings/ services of CGWB constructed.	6			
	4.	Construction of buildings & services of CGWB at 4 different places in the new proposed EFC Memo of ID Scheme.	4.1 No. of new buildings & services of CGWB constructed.	4			
	5.	Renovation of approx 12 Rooms in the Department	5.1 No. of rooms renovated in the Department (CGO Block-11 and Shram	12			

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
			Shakti Bhawan of the Department.)				
	6.	Implementation of e-Office in all Subordinate Offices under the Department.	6.1 Implementation of e-Office in all Subordinate Offices under the Department. (Processing more than 90% files). (Yes/No)	Yes	2. Speedy disposal of files on implementation of e-office.	2.1. Percentage of employees working in the Subordinate Offices using e-office application.	Target not amenable. ⁷
	7.	Implementation of e-HRMS in six organizations under the Department.	7.1 No. of organisations where e-HRMS has been implemented.	6	3. Better monitoring of Human Resources.	3.1. Percentage of employees working in organisations enrolled under e-HRMS application for online APAR, Online Leave Management System, Digitized service books etc.	Target not amenable.

⁷ Satisfaction levels at baseline will be determined during the public survey, and targets for improving those in subsequent years will be appropriately set.

7. Atal Bhujal Yojana - (Central Sector Scheme):

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21		
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators
200.00	1. Improved ground water monitoring and dissemination of data	1.1. No. of monitoring wells.	Targets not amenable	1. Improved awareness about the local ground water scenario among the community	1.1. Number of Gram panchayats having communities with improved awareness	1670
		1.2. No. of block-wise ground water reports published.	Targets not amenable			
	2. Community led Water Security Plans (Prepared / Updated)	2.1. No. of Water Security Plans finalized and approved	Targets not amenable	2. Comprehensive plans to ensure sustainable development of available water.	2.1. Number of Gram Panchayats with approved water security plans	1670
	3. Public financing of Water Security Plans through convergence of ongoing/ new schemes	3.1. No. of interventions (as per approved water security plan) implemented through convergency	615	3. Optimal use of available funds for facilitating sustainable water management	3.1. Number of Gram Panchayats ensuring convergence of activities under ongoing schemes	615
4. Drip/sprinkler	4.1. Increase in area under Drip / Sprinkler Irrigation.	Targets not amenable	4. Improved water use efficiency in agriculture	4.1. Increase in area under Drip / Sprinkler Irrigation.	Targets not amenable	

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
	5.	Crop diversification	5.1. Increase in area with diversified crops (in ha.)	5000		4.2. Increase in area with diversified crops (in ha.)	5000
	6.	Blocks with feeder separation	6.1. No. of blocks with feeder separation	5		4.3. No. of blocks with dedicated power feeders for agriculture	5

8. Research and Development and National Water Mission (NWM) - (Central Sector Scheme):

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
60.00	A) Research and Development (R & D):						
(R & D: 50.00, NWM: 10.00)	1.	Increasing research & development base	1.1. No. of research/technical reports published	200	1. Improved indigenously developed technology use, increased officer capacities and wider	1.1. No. of people trained by Capacity building sessions and at the additional facilities and research infrastructure	Target not amenable.
			1.2. No. of research papers published	290			
			1.3. Trainings and	40			

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
		workshops conducted			research base utilization	created.	
		1.4. Estimation of sedimentation in reservoirs by Remote Sensing technique - Preparation of RFP for "Sedimentation Assessment of 50 reservoirs in India" (Done/Not Done)	Done			1.2.No. of high impact (based on citations) technical report & research papers having recommendations for improved techniques in area of planning and design of water resources structure, water saving/ conserving techniques for agriculture, water use efficiency, integrated water resources management, hydraulic designs,	Target not amenable.
		1.5. Estimation of sedimentation in reservoirs by Remote Sensing technique – No. of outsourced studies conducted	23				

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21		
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators
		1.6. Estimation of sedimentation in reservoirs by Remote Sensing technique – No. of inhouse studies conducted	3		climate change impact studies etc. will help in saving the public money and valuable resources.	
		1.7. Estimation of sedimentation in reservoirs by Hydrographic surveys of important reservoirs in the country – No. of reservoirs where hydrographic studies have been conducted	30			

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
		1.8. Morphological Studies of rivers in India - Remaining works of Morphological studies (including submission of final report by IIT Delhi) of rivers (Done/Not Done) ⁸	Done				
		1.9. Morphological Studies of rivers in India - Preparation of proposal of morphological study 10 rivers (Done/Not Done)	Done				
		1.10. Morphological Studies of rivers in India – No.of	17				

⁸ pending from previous FY

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
		rivers for which cross section has been collected					
B) National Water Mission (NWM)							
	1. Preparation of State Specific Action Plans for Water Sector	1.1.No.of State Specific Action Plans prepared	Target not amenable.	1. Preparation of State Water Budget	1.1.Preparation of Status report (Done/Not Done)	Done	
		1.2.No.of states with whom MoU has been signed	7				
		1.3.Release of first instalment to 13 States/ UTs (Done/Not Done)	Done		1.2. Interim Report and SSAP plans for 14 states (Done/Not Done)	Done	
		1.4. First Stage Report from 19 States/ UTs received (Yes/No)	Yes				
		1.5.Second instalment to 5 States/ UTs	Done				1.3. Policy feedback to States/ UTs to improve water

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
			(Done/Not Done)			resources management system (Done/Not Done)	
		1.6. Constitution of steering committee to review report of SSAP (Done/Not Done)	Done				
	2. Human Resource Development and Capacity Building	2.1. No. of Water Talks conducted	12	2. Different Stake holders capacity building for water conservation/ water use efficiency	2.1. No. of stakeholders to be trained for Water Use Efficiency & Water Conservation.	10,000	
		2.2. No. of Workshops conducted in vulnerable States	8				
		2.3. No. of National Workshops conducted	4				
		2.4. No. of Human Resource Development and Capacity Building Training Programmes conducted	30				

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21		
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators
	3. Setting up of National Bureau of Water Use Efficiency (NBWUE), Baseline studies and Benchmarking projects	3.1. Setting up of NBWUE (Done/Not Done)	Done	3. Enhanced understanding of Water Use Efficiency in selected irrigation projects and further measures required for improvement thereof.	3.1. Fully functional NBWUE and estimation of WUE in irrigation sector (Major/Medium Irrigation Projects) (Done/Not Done)	Done
		3.2. No. of final reports completed of baseline studies for evaluation of waste use efficiency in irrigation sector.	21			
		3.3. No. of Demonstration / Benchmarking / Pilot projects completed	Target not amenable. ⁹	4. Demonstration of modern and new technology for Conservation of water and abatement of pollution	4.1. Policy recommendations to be made for water intensive industrial sectors in order to set the benchmarks on the utilisation of water on each unit of produce and measures to be	Done

⁹ One Final report of the industrial benchmarking study of four water intensive industrial sectors (Thermal, Textile, Paper & Pulp and Steel) consisting 24 case studies.

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
						taken at industrial level in order to increase water use efficiency in industrial sector. (Done/Not Done)	

9. National River Conservation Plan (other than Ganga basin) - (CSS):

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21		
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators
220.00	1. Constructing Sewerage systems to prevent untreated sewage from entering the rivers	1.1. Length of sewer network created (km)	150	1. Reduction in pollution load in rivers	1.1. BoD load prevented from reaching the river (Avg.mld./day)	Actual to be reported based on CPCB/SPCB data.
		1.2. Sewage treatment capacity created (mld)	155 mld Sewage treatment capacity to be created	2. Reuse and recycling of wastewater to prevent drawl from the rivers	2.1. Amount of treated wastewater reused and recycled to meet agricultural industrial and domestic demand (mld)	
		1.3. Length of treated effluent	2000 mm dia 2 kms length.	3. Communications and outreach work	3.1. Number of people reached through communication and	Target not amenable.

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
			disposal and reuse system created (km)			outreach activities	
	2.	Communications and outreach work	2.1. Number of campaigns	4			
	3.	Project completion status to assess cost and time overruns	3.1. Number of projects with civil works completed	1			
			3.2. Number of projects with mechanical works completed	1			

10. River Basin Management (RBM) - (Central Sector Scheme):

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
200.00	a) Investigation of Water Resources Development Schemes – National Water Development Agency (NWDA):						
	1.	Tendering	1.1. Tendering&	Done	1. All the interlinking	1.1. Ken-Betwa Phase-	Target not

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21		
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators
	& awarding of contract/Preparation of DPR and DPR works/Post DPR activities	awarding of contract for Ken-Betwa Phase-I &II: Obtaining Stage-II forest clearance from MoEF&CC (Not Done / Done)		of river projects will provide long term outcomes of increase in CCA, power generation and make water available for various uses. ¹⁰	I&II Project (On Completion) CCA(in ha.) MP: 653368 UP : 251064 Total: 904432	amenable. ¹¹
		1.2. Tendering& awarding of contract for Ken-Betwa Phase-I &II: Arrive at a consensus between MP and UP for water sharing/ signing of MoU for implementation continues. (Not Done /	Done		1.2. Ken-Betwa Phase-I&II Project (On Completion) Drinking Water Supply Total :228.9MCM for 62.94 Lakh population of UP and MP	Target not amenable.

¹⁰ 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.

¹¹ On implementation, the project will provide the benefits as furnished in outcome indicators.

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
		Done)					
		1.3. Tendering & awarding of contract for Ken-Betwa Phase-I & II: Studies as required regarding observations of CEC of Hon'ble Supreme Court. (Not Done / Done)	Done			1.3. Ken-Betwa Phase-I & II Project (On Completion) Power Generation: Hydro: 103MW Solar: 27MW Total power generation: 130 MW	Target not amenable.
		1.4. Tendering & awarding of contract for Ken-Betwa Phase-I & II: Finalisation of additional storages in UP side if agreed by MP and revision of DPR accordingly	Done				

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
			(Not Done / Done)				
		1.5. Tendering and awarding of contract for :Damanganga-Pinjal Link Arrive consensus between Maharashtra and Gujarat for water sharing/ signing of MoU for implementation (Not Done / Done)	Done		1.4. Damanganga-Pinjal Link (On completion) Drinking Water Supply - 579 MCM for Mumbai City (excluding Pinjal component) Power Generation - 5 MW	Target not amenable.	

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21		
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators
		1.6. Tendering and awarding of contract for: Par-Tapi-Narmada Link Project - Completion of appraisal of DPR by CWC (Not Done/Done)	Done		1.5. Par-Tapi-Narmada Link Project (On Completion) Annual Irrigation: 2.32 Lakh ha in Drought Prone Areas in Gujarat Drinking Water Supply :76 MCM including Tribal Area Power Generation :21 MW	Target not amenable.
		1.7. Post DPR activities of Godavari-Cauvery link project - Attending to the comments of party States on the draft DPR and finalization of DPR for circulation. (Not Done/Done)	Done		1.6. Godavari-Cauvery (alternate) link project Benefits on completion Annual Irrigation: 9.38 lakh ha Municipal & Industrial needs: 905 MCM.	Target not amenable.

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
		1.8. Post DPR activities of Godavari-Cauvery link project - Post DPR activities like efforts to sign MOU, obtaining clearances,etc. (Not Done/Done)	Done				
		1.9. Preparation of DPR and DPR works for: Mahanadi-Godavari Link: Circulation of Feasibility Report (alternate) study with Barmul dam	Done		1.7. Mahanadi-Godavari Link(On Completion) Annual Irrigation - 4.43 lakh ha. in Odisha & Andhra Pradesh Domestic Water Supply - 366 MCM		Target not amenable.

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
			option (Not Done / Done)			Industrial Water Supply - 436 MCM Transfer to Godavari - 6500 MCM for Further Transfer to South Power Generation - 960 MW	
		1.10. Preparation of DPR and DPR works for: Manas-Sankosh-Teesta-Ganga Link: Finalisation of Feasibility Report (Not Done/Done)	Done			1.8. Manas-Sankosh- Teesta-Ganga Link (On Completion) CCA - 6.54 lakh ha. in Assam, West Bengal & Bihar Power Generation – 805 MW.	Target not amenable.
		1.11. Preparation of DPR and DPR works for: Manas-Sankosh-Teesta-Ganga Link: Initiation	Done			Quantity to be delivered at tail end: 37913 MCM	

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
			works for preparation of DPR. (Not Done/Done)				
		1.12. Preparation of DPR and DPR works for: Ganga-Damodar-Subarnarekha Link After finalisation of FR of MSTG link project, the FR of Ganga-Damodar-Subarnarekha and Subarnarekha-Mahanadi link projects will be finalized. (Not Done / Done)	Done		1.9. Ganga-Damodar-Subarnarekha Link (On Completion) Area Irrigated annually (lakh ha) W.Bengal... 7.60 Bihar..... 0.55 Odisha..... 0.33 Total: 8.40 Lakh ha Water Supply: 1241 MCM for enroute domestic, industrial and Salinity Water requirements Balance water to be transferred to Mahanadi: 13965 MCM and further to South	Target not amenable.	

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21		
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators
		1.13. Preparation of DPR and DPR works for: Subarnarekha - Mahanadi Link (Not Done / Done)	Done		1.10. Subarnarekha-Mahanadi Link (On Completion) Area Irrigated annually (ha): W. Bengal- 18000 Odisha- 36500 Total(ha)- 54500	Target not amenable.
		1.14. Preparation of DPR and DPR works for: Sardar-Yamuna Link: Based on the DPR of Pancheshwar dam in Nepal, the FR of Sardar-Yamuna link project will be revised accordingly. (Not Done / Done)	Done		1.11. Sardar-Yamuna Link (On Completion) Area Irrigated annually (lakh ha) U.P - 3.45 Lakh ha Uttarakhand -0.30 Lakh ha Total: 3.75 Lakh ha	Target not amenable.

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
		1.15. Wainganga-Nalganga Link - Post DPR works if received from Govt of Maharashtra. (Not Done / Done)	Done			1.12. Wainganga-Nalganga Link (On Completion): CCA:3.71 Lakh ha. Drinking and Industrial Water Supply :429 MCM	Target not amenable.
		1.16. Completion of DPR for Damanganga (Ekdare)-Godavari Valley (Not Done / Done)	Done			1.13. Damanganga (Ekdare)-Godavari Valley link Project (On Completion) CCA: 16505 ha. Domestic Water Supply: 22 MCM Industrial Water Supply: 21MCM	Target not amenable.

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21		
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators
		1.17. Completion of DPR for Damanganga-Vaitarna--Godavari Valley (Not Done / Done)	Done		1.14. Damanganga-Vaitarna-Godavari Valley link Project (On Completion) CCA: 15484 ha. Drinking and Industrial Water Supply: 40 MCM	Target not amenable.
		1.18. Regarding studies related to integration of Parbati-Kalisindh-Chambal and Eastern Rajasthan Canal Project as decided by TF-ILR - Preparation of PFR and its circulation to party States of Rajasthan and Madhya Pradesh. (Not Done / Done)	Done		1.15. The proposal will provide i)drinking water supply to 13 districts of Rajasthan State ii) irrigation to 5 lakh acres and stabilization of 2 lakh acres of existing command area.	Target not amenable.

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21		
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators
	b) Investigation of Water Resources Development Schemes – Central Water Commission:					
	1. DPR preparation of Projects after detailed Survey and Investigations and studies on hydrological, Irrigation Planning environment aspects, cropping pattern Crop water requirement etc. Projects: (a) Katakhal Irrigation Project (b) Tlawng HEP (c) Barinium HEP (d) Buri-Dehing Irrigation project (e) Gela Desang Irrigation Project.	1.1. Completion of preparation of DPR of Tlawng Hydro-electric Project – Mizoram (Not Done/ Done)	Done	1. Preparation of bankable Detailed Project Reports (DPR) of the project is the first step for development and execution of water resources Projects.	1.1. Preparation of bankable Detailed Project Reports (DPR) to be used for execution of projects. (Not Done/ Done)	Done
		1.2. Investigation works for preparation of DPRs for the Katakhal Irrigation Project (Not Done / Done)	Done			
		1.3. Investigation works for preparation of DPRs for the Barinium HEP (Not Done / Done)	Done			
		1.4. Initiation of survey and investigation works the	Done			

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
		Buri-Dehing Irrigation project. (Not Done / Done)					
		1.5. Initiation of survey and investigation works the Gela Desang Irrigation Project. (Not Done / Done)	Done				
		1.6. Seismological observations to be made in Sankosh Basin. (Not Done / Done)	Done	2. Seismological observations to be done so that it would help in optimum design of projects.	2.1. Seismological observations used to optimize the design of projects. (Not Done / Done)	Done	
	c) Brahmaputra Board:						
	1. Completion of ongoing / new anti-erosion, drainage development works	1.1.No.of locations where bank protection work shall be executed	3	1. Increased protection against flood & erosion, reduced drainage congestion and reclamation of agricultural land a better infrastructure/environment for working,	1.1. Single widow facility for water resources data of NER for preparation of Schemes / Projects and scientific and research work. (Not Done/Done)	Done	

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21		
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators
		1.2 Establishment of North East Data Water Resources Data Sharing Centre (Not Done/Not Done)	Done	Improve indigenous water management practices and improvement of environmental condition of some historical important places near river	1.2. Upgrade and popularise traditional practices of Apatani tribes in Arunachal Pradesh (Not Done/Not Done)	Done
		1.3. Scientific dissemination and Improvement of Water Management Practices of indigenous people of NE Region (Not Done/Not Done)	Done		1.3. Upgrade and popularise traditional practices of Chakhesang tribe in Nagaland (Not Done/Not Done)	Done
		1.4 Development of Kamalabari Ghat at Majuli (Not Done/Not Done)	Done		1.4. Upgrade and popularise traditional practices of Bodo tribe of Baksa district in Assam (Not Done/Not Done)	Done
	2. Preparation of river basin Master Plans related to	2.1.No. of Master Plans prepared/modified	2		1.5 Upgrade and popularise traditional practices in one new area in	Done

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
	flood controls, bank erosion and improvement of drainage as well as Irrigation Projects. Preparation of DPR of Drainage Development Schemes Preparation of DPRs of Multipurpose projects.					Arunachal Pradesh other than Ziro Valley (Not Done/Done)	
		2.2.No. of DDSs DPR prepared/modified	1		1.6 Improve the facilities for the people of Majuli and visitors to Majuli (Not Done/Done)	Done	
		2.3.DPR for one MP Project prepared (Yes/No)	Yes		1.7 Approved Master Plans to provide ready reference for preparation of DPR of Water Resources schemes/projects for control of floods and other water resources schemes for protection as well as for development of Water Resources. (Not Done/Done)	Done	
		2.4.Operation of NEHARI continued (Yes/No)	Yes				
		2.5.Continuation of R & M of assets created by Board (Yes/No)	Yes				
		2.6.Construction of raised Platforms (Yes/No)	Yes				
		2.7.No of DDS constructed	3				

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
		2.8. Construction of Infrastructure at Majuli (Yes/No)	Yes				
		2.9. No. of bank revetment and river training works constructed	5				

11. Human Resources Development and Capacity Building (HRD&CB) - (CS):

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21		
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators
50.00	a) NERIWALM, Tezpur:					
	1. Capacity building, awareness activities and support to research & development	1.1. No. of national trainings conducted	55	1. Increased awareness, upgradation of knowledge/skills of water resources professionals	1.1. No. of personnel trained in ground water management	100
		1.2. No. of international trainings conducted	01			

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
			1.3. No. of Seminars/Workshops/Conference/Special Days organized	06		1.2. No. of Publications	06
			1.4. No. of outreach activities conducted like Media campaign covering advertisements, outdoor publicity, electronic media campaign, participation in exhibitions etc.	05		1.3. No. of personnel trained in sustainable water management	1,950
			1.5. No. of special campaign organized for tribal areas/children	06		1.4. No. of tribal population covered through awareness generation activities on methods/best practices for sustainable water management	600
	b) Central Water Commission and National Water Academy (NWA),Pune:						
	1. Capacity building, awareness activities and support to research &	1.1. No. of national trainings conducted-NWA	32	1. Increased awareness, upgradation of knowledge/skills of water resources professionals	1.1. No. of personnel trained in sustainable water management-NWA	800	
		1.2. No. of national trainings conducted-	10		1.2. No. of personnel trained in sustainable	100	

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
	development	CWC				water management-CWC	
		1.3.No. of international trainings conducted	2			1.3.No. of tribal population covered through awareness generation activities on methods/best practices for sustainable water management	Targets not amenable
		1.4. Manweeks of Training	1,750			1.4. No. of CWC Officers deputed in Workshop/Seminar/ Conferences organised by other National and International agencies	80
		1.5. No. of special campaign organized for tribal areas/children	1			1.5. One year PG Diploma course at IIT, Roorkee	1
		1.6. Deputation of CWC Officers in Workshop/Seminar/ Conferences organised by other National and International agencies	20				
		1.7. No. of officers deputed for one year PG Diploma course at IIT,	4				

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
		Roorkee					
	c) Rajiv Gandhi National Ground Water Training & Research Institute (NGWTRI):						
	1. Capacity building, awareness activities and support to research & development	1.1.No. of national trainings conducted	130	1. Increased awareness, upgradation of knowledge/skills of water resources professionals	1.1.No. of personnel trained in sustainable ground water management through national and international trainings	7,700	
		1.2.No. of international trainings conducted	02		1.2.No. of publications	05	
		1.3.No. of reports generated from R&D studies in Ground Water Sector	02				
	d) Training of MoWR, RD & GR:						
	1. Increased awareness, upgradation of knowledge and skills of water resources professionals as well as non-technical staff in the	1.1.No. of training programmes - Organizing orientation training for officers/officials who are newly posted. (ii) Conducting in-house/ on the job trainings at workplace.(iii) Deputing officials/ officers for thematic	More than 30	1. Increased awareness, upgradation of knowledge and skills of water resources professionals as well as non-technical) in the field of water resources planning, development and management, thereby contributing in the sustainable development and	1.1.No. of officers/officials/personnel trained in this area	More than 200	

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
		field of water resources planning, development and management, thereby contributing in the sustainable development and conservation of water resources in India.	trainings (iv) Mandatory Training Programme at various level officers of CSS, CSSS, Central Staffing Scheme at ISTM and other Cadre Institutes (v) Deputing officers/officials on Short term training like leadership development , Stress Management, Ethics and values at ASCI, IIM (C) and IIM, Ahmedabad etc. (vi) Advanced computer courses, e-office, e-Governance .Training on Water Sector at NIH, Roorkee, NWA, Pune and NERIWALM, Tejpur.		conservation of water resources in India.		
	e) IEC:						

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2020-21			OUTCOMES 2020-21			
	2020-21	Output	Indicators	Targets 2020-21	Outcome	Indicators	Targets 2020-21
	1.	"Mass Awareness on the issues related to Water Conservation on pan-India basis"	1.1. Workshops/Seminars etc.	12	1. Increased awareness, upgradation of knowledge and skills in the field of water resources and conservation.	1.1.No. of people upto which benefits of such programme have been reached.	Target not amenable. ¹²
			1.2. Advertisement (Print Media)	10			
			1.3. Organization of Seminar/Conferencs/Special Days	10			
			1.4. Publicity through Electronic Media (Radio+ TV)	5			
			1.5. Production of Radio Jingles/ Video Spots/TVCs etc.	5			
			1.6. Participation in Exhibition/ Fair and competitions	7			
			1.7. Events/Programmes for children	1			
			1.8. Outdoor Publicity	1			
			1.9. Mass awareness activities in Tribal areas	2			

¹² It is not feasible to report exact number of beneficiaries as the activities like Newspaper Advertisement/Monthly magazines/RadioJingles/spots creates awareness in general to the masses