

QUARTERLY COMPILATION OF PROGRESS REPORT UNDER NATIONAL ACTION PLAN ON CLIMATE CHANGE-WATER**Quarter-III ending December, 2016-17**

Sl. No.	Activities under each Mission deliverables	Implementing Agency	Overall target for Mission Period (2013-17)	Target for 2016-17	Quarter-wise target / achievement during 2016-17								Achievement during 2016-17	Cumulative Achievement up to 2015-16	Remarks (Cumulative Progress upto Dec 2016)
					Quarter 1		Quarter 2		Quarter 3		Quarter 4				
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1.0	Goal 1: Comprehensive water database in public domain and assessment of the impacts of climate change on water resources														
1.1.0	Review and establishment of network for collection of additional necessary data														
1.1.1	Establishment of new Hydrological Observation Stations for improved water resource assessment, planning, and flood forecasting etc. (Nos)	CWC	800	252	12	nil	70	42	70	417	100	--	459	217	676 Nos. This will cover the hitherto uncovered areas and provide information through 275 flood forecasting sites and help in climate change studies, glacial lake burst/cloud burst, FF and estimate of flow distribution in various seasons.
1.1.2	Automatic satellite based telemetry system for hydrological network for real time information for improved water resource assessment, planning, and flood forecasting. *-Targets revised. Tender process is on. (Nos.)	CWC	629*	200	--	--	20	--	05	--	175	--	--	57	57 Nos. As a result of the telemetry network, live information would be available on the real time basis. It will eliminate the delays in dissemination of flood warnings to the States due to the manual system of dissemination.
1.1.3	Establishing of New Ground Water Monitoring Wells by CGWB (Nos.). Central Ground Water Board monitors wells throughout the country for measurement of water levels, to prepare depth to water level maps, to find out long term water level trends and resource assessment. (Nos.)	CGWB	9360	1900	300	172	--	231	800	99	800	--	502	5642	6144 Nos. The monitoring stations show that of the 6607 blocks, 1071 (16%) blocks were found to be over-exploited (OE); 217 (3%) blocks found to be critical and 697 blocks (11%) were found to be semi-critical. Efforts are made to restrict drawl in OE blocks and recharge the overdrawn blocks.

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1.1.4	Installation of Automatic Water Level Recorder (AWLR) with Telemetry in Piezometers(Nos.). These AWLR will provide real time/near real time water level data for planning the groundwater development and management in the over exploited areas of the country.	CGWB	584	584	--	--	--	--	--	--	584	--	--	--	Tender work in progress.

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2.0	Goal 2: Promotion of citizen and State Action for water conservation, Augmentation and preservation														
2.1.0	Setting up of Water Users Associations for community management of Command Areas.	Com. (CAD)		500* (2000)	--	--	--	--	200*	--	300*	--	--	84,799	*Target revised by Commissioner CAD, to 500. (Rs. 667 Crore funded for 12 Projects through NABARD).
2.1.1	Training and Capacity building programme on National Water Mission, Enhancing Water Use Efficiency and water conservation for State/Central Govt. officials/stakeholders.														
a.	Water User's Association	No of Trainings	31	46	--	--	02	02	05	05	09	--	07		NERIWALM: 7 Trainings (264 Persons) CWC: -- --
		No. of Persons	1487	30	--	--	--	72	--	192	30	--	264		CGWB : -- -- NWM : -- --
b.	Panchayati Raj Institutions	No of Trainings	36	35	08	06	08	06	08	10	12	--	22		CWC: -- -- CGWB : 22 Trainings (3352 Persons) NWM : -- -- NERIWALM: -- --
		No. of Persons	30	--	--	1350	--	755	--	1247	30	--	3352		
c.	Govt. Officials	No of Trainings	102	41	01	01	18	18	14	14	08	--	33		CWC : 2 Trainings (37 Persons) CGWB : 13 Trainings (502 Persons) NWM : -- -- NERIWALM: 18 Trainings (364 Persons)
		No. of Persons	2782	100	--	35	--	502	60	367	40	--	906		
d.	Mass Awareness Programmes	No of Programmes	69	27	12	05	05	02	02	02	--	--	23		CWC : 4 Trainings (200 Persons) CGWB : -- --
		No. of Persons	2162	200	395	180	205	--	--	44	--	--	844		NWM : 4 Trainings (156 Persons) NERIWALM: 15 Trainings (488 Persons)
	TOTAL			238 Trainings (6461 Persons)									85 Trainings (5366 Persons)		

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3.0	Goal 3: Focused attention to vulnerable areas including over-exploited, critical and semi-critical areas														
3.1.0	Promotion of traditional system of water conservation														
3.1.1	Repair, Renovation and Restoration (RRR) for 10,000 water bodies has been taken up during the 12 th Plan. (Nos.)	CWC	10,000	1,000	100	--	300	--	300	--	300	--	--	1237	CA (Rs. 264.67 Cr) released to 8 States for 1237 water bodies. Work on 1236 water Bodies taken up with a target of restoration of CCA of 101265 Ha. 506 water bodies with CCA of 60081 ha have been restored. RRR works of 730 water bodies are under progress.
3.1.2	Strengthening of traditional water bodies (Nos. in Lakh)	MoRD (MGNREGA)		2.04 Lakh	--	--	--	2.05 Lakh	--	0.17 Lakh	--	--	2.22 lakh	2.76 lakh	4.98 Lakh (Upto Dec 2016) (MoRD). In addition strengthening of 2.82 Lakh water bodies is on-going.
3.2.0	National Project on Aquifer Management on 1:50000 scale														
3.2.1	Preparation of Management Plans to facilitate community participation through three dimensional delineation of aquifers and to assess the quality and quantity of ground water. (lakh sq.km.)	CGWB	8.89 lakh sq.km.	3.00 lakh sq.km.	0.75	1.19	0.75	nil	0.75	1.73	0.75	--	2.92 lakh sq km	2.28 lakh sq km	5.20 lakh sq km These Plans inter-alia provide strategies for various interventions like construction of recharge structures; type of crops to be grown; amount of water to be drawn to ensure optimal and sustainable utilization of ground water.

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3.3.0	Ground water quality sampling and analysis														
3.3.1	Analysis of groundwater quality for major anion & cations, heavy metals and industrial pollutants to assess the presence of Arsenic, fluoride, iron, nitrate, chromium etc. and recommend suitable strategies to the States for remediation. (Nos.)	CGWB	80,000 No.	20,000 No.	5,000 No.	8,783 No.	5,000 No.	7,514 No.	5,000 No.	8,091 No.	5,000 No.	--	24,388 No.	78,145 No.	1,02,533 Nos. upto Dec 2016
3.4.0	Physical sustainability of ground water resources														
3.4.1	Expedition implementation of programme for conservation of water through recharge of ground water including rain water harvesting (under MGNREGA). (Nos. in Lakh)	MoRD (MGNREGA)		9.86 lakh Structures	--	--	--	5.62 lakh Structures	--	0.55 lakh Structures	--	--	6.17 lakh	11.14 Lakh structures	17.31 lakh. (MoRD). 5.62 Lakh structures completed and 8.10 Lakh structures are ongoing.
3.5.0	Optimization of Surface water resources														
3.5.1	Completion of ongoing 99 AIBP projects to realise an irrigation potential of 76 Lakh ha. (Lakh Ha.)	Com. (SPR)	76 Lakh Ha.	14.53 Lakh Ha. (23 Projects)	--	--	--	--	--	--	--	--	--	12.42 Lakh Ha.	The purpose is to reduce the gap between IPC & IPU to ensure optimal utilization of Surface Water Resources and scale the lessons from these projects to other WR projects. Phase-I, 23 project, FY 2016-17. Achievement will be available after June 2017.

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3.6.0 Systemic approach for coping with flood															
3.6.1	Flood Forecasting by inclusion of additional Forecast stations for unrepresented areas/projects using hydrological and hydraulic modeling. (Nos.)	CWC	100 Nos.	23 Nos.	--	05 Nos.	23 Nos.	19 Nos.	--	--	--	--	24 Nos.	--	24 Nos. The network is proposed to be expanded from existing 176 flood forecasting stations to 276 stations to feed into the 276 flood forecasting stations. The total network of 1118 would be on automatic satellite based telemetry system.
3.6.2	Number of Flood Forecasts at existing 176 FF Stations. (Nos.)	CWC	24,000 Nos.	about 6,000 No. per annum	1,000 Nos.	550 Nos.	4,500 Nos.	4,374 Nos.	1,500 Nos.	1303 Nos.	--	--	6,227 Nos.	18,000 Nos.	24,227 Nos. Flood forecasting activity is undertaken, based on the network stated in para 3.6.1, in 2nd & 3rd quarters.

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4.0	Goal 4: Increasing water use efficiency by 20%														
4.1.1	Baseline Studies in Irrigation Sector. (Nos.)	NWM	25 Nos.	12 Nos.	--	--	--	04 Nos.	--	--	--	--	04 Nos.	02* Nos.	4 Project inception reports prepared by NERIWALM. Loktak lift irrigation Project- Manipur; Kaliabor lift irrigation Project- Assam; Pahumara Medium Irrigation Project- Assam; Sukla Lift Irrigation Project – Assam. * -ADB Studies.
5.0	Goal 5: Promotion of basin level integrated water resources management														
5.1	Development of State Specific Action Plan (SSAP) for Water Sector (Nos.)	NWM	29 States and 7 UTs	22 States and 7 UTs	--	--	--	--	--	--	--	--	9 States*		NERIWALM & NIH have been engaged as Nodal agencies. *Gujarat, Madhya Pradesh, Karnataka, Maharashtra, Uttarakhand, Andhra Pradesh, Telangana, Tamil Nadu and Orissa. 14 States have constituted State Water Missions.

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6.0	Waste Water Dimension and Pollution abatement														
6.1	Rural Sanitation program by MoDWS. (Individual Household latrines) (Nos.)	NMCG	1527105 Nos.	--	--	--	--	285491 Nos	--	138171 Nos.	--	--	4,23,662 Nos.	8,30,393 Nos.	12,54,055 Nos.
6.2	Installation of online continuous effluent monitoring stations (Nos.)	NMCG	No Fixed target	764 Nos.	508 Nos.	508 Nos.	48 Nos.	48 Nos.	--	16 Nos.	192 Nos.	--	572 units installed	--	572 units installed out of which 366 units have established data connectivity with CPCB server.
6.3	Real-Time Water Quality Monitoring Stations (Nos.)	NMCG	113 Nos.	36 (Phase-I)	--	--	01 Nos.	01 Nos.	07 Nos.	07 Nos.	28 Nos.	--	08 Nos.	--	08 Nos. Contract signed on 11 July, 2016