

National Water Mission MoWR, RD & GR
QUARTERLY COMPILATION OF PROGRESS REPORT UNDER NATIONAL ACTION PLAN ON CLIMATE CHANGE-WATER

Quarter-IV ending March , 2019

Sl. No.	Activities under each Mission deliverables	Implementing Agency	Overall target for Mission Period (2017-20)	Target for 2018-19	Quarter-wise target/achievement during 2018-19								Achievement during 2018-19	Cumulative Achievement in 14 th FC plan up to 2018-19	Remarks	
					Quarter 1		Quarter 2		Quarter 3		Quarter 4					
					Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
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 (HOS) for improved water resource assessment, planning, and flood forecasting etc. (Nos) Taken up under DWRIS	CWC (RDC Dte)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	No provision for Establishment of new Hydrological Observation Stations (HOS) has been kept in DWRIS Scheme 2017-20.
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 (FFM Dte)	583 (458+125)	326 (458-132)	150	117	76	6	100	40	--	40	203	335	Due to monsoon and high water levels only 6 stations could be completed.	
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	--	60	--	--	--	--	--	--	60	--	--	6376	The proposal for establishment of new ground water monitoring stations are being considered under NHP by all implementing agencies including CGWB To establish 60 nos. of Piezometers under NHP for the year 2019-20	

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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														
1.1.4	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	--	510	--	--	--	--	--	--	510	--	--	0	The work is being taken up under NHP for the year 2019-20

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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)		2500	350	320	550	570	800	0	800	96	986	2523		
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 (WUA)	CWC/NWA	No of Trainings	-	-	-	-	-	-	-	-	-	-	-	-	
			No. of Persons	-	-	-	-	-	-	-	-	-	-	-	-	-
		CGWB	No of Trainings	--	--	--	--	--	--	--	--	--	--	--	--	--
			No. of Persons	--	--	--	--	--	--	--	--	--	--	--	--	--
		NWM	No of Trainings	-	-	-	-	-	-	-	-	-	-	-	-	-
			No. of Persons	-	-	-	-	-	-	-	-	-	-	-	-	-
		NERIWALM	No of Trainings	-	-	-	-	-	-	-	-	-	-	-	-	-
			No. of Persons	-	-	-	-	-	-	-	-	-	-	-	-	-
		Total Trainings		-	-	-	-	-	-	-	-	-	-	-	-	-
Total persons		-	-	-	-	-	-	-	-	-	-	-	-	-		
b.	Panchayati Raj Institutions (PRI)	CWC/ NWA	No of Trainings	-	-	-	-	-	-	-	-	-	-	-	-	
			No. of Persons	-	-	-	-	-	-	-	-	-	-	-	-	
		CGWB	No of Trainings	153	50	18	12	16	21	16	9	0	6	48	101	
			No. of Persons	19125	6250	2250	1711	2000	2728	2000	1203	0	694	6336	13618	
		NWM	No of Trainings	-	-	-	-	-	-	-	-	-	-	-	-	
			No. of Persons	-	-	-	-	-	-	-	-	-	-	-	-	
		NERIWALM	No of Trainings	-	-	-	-	-	-	-	-	-	-	-	-	
			No. of Persons	-	-	-	-	-	-	-	-	-	-	-	-	
		Total Trainings		153	50	18	12	16	21	16	9	0	6	48	101	
Total persons		19125	6250	2250	1711	2000	2728	2000	1203	0	694	6336	13618			

The Tier III Training under HRD & CB scheme-RGI Component the target group is various stakeholders including PRIs.

Other/Government Officials	No of Trainings	CWC	-	-	-	-	-	-	-	-	-	-	-	-	-	This activity is covered under Tier I & Tier II Training under HRD & CB Scheme-RGI Component
	No. of Persons		-	-	-	-	-	-	-	-	-	-	-	-	-	
	No of Trainings	CGWB	173	60	10	12	28	22	12	15	10	14	63	128		
	No. of Persons		3750	1300	200	233	450	444	250	283	200	387	1347	2792		
	No of Trainings	NWM	-	-	-	-	-	-	-	-	-	-	-	-	-	
	No. of Persons		-	-	-	-	-	-	-	-	-	-	-	-	-	
	No of Trainings	NERIWALM	-	-	-	-	-	-	-	-	-	-	-	-	-	
	No. of Persons		-	-	-	-	-	-	-	-	-	-	-	-	-	
	Total Trainings		173	60	10	12	28	22	12	15	10	14	63	128		
	Total persons		3750	1300	200	233	450	444	250	283	200	387	1347	2792		
Seminars/ Mass Awareness Programmes	No of Programmes	CWC	-	-	-	-	-	-	-	-	-	-	-	-	-	
	No. of Persons		-	-	-	-	-	-	-	-	-	-	-	-	-	
	No of Programmes	CGWB	-	-	-	-	-	-	-	-	-	-	-	-	-	
	No. of Persons		-	-	-	-	-	-	-	-	-	-	-	-	-	
	No of Programmes	NWM	-	-	-	-	-	-	-	-	-	-	-	-	-	
	No. of Persons		-	-	-	-	-	-	-	-	-	-	-	-	-	
	No of Programmes	NERIWALM	-	-	-	-	-	-	-	-	-	-	-	-	-	
	No. of Persons		-	-	-	-	-	-	-	-	-	-	-	-	-	
	Total Programmes		-	-	-	-	-	-	-	-	-	-	-	-	-	
	Total persons		-	-	-	-	-	-	-	-	-	-	-	-	-	
Grand Total		326	110	28	24	44	43	28	24	10	20	111	229			
Participants		22875	7550	2450	1944	2450	3172	2250	1486	200	1081	6683	16410			

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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) of 10,000 water bodies has been taken up during 12 th Plan & onwards (Nos.) Rural: 5 Ha Min Urban:2 Ha Min.	CWC (Economics Dte)	Restoration of Irrigation Potential of 1.5 Lakh ha area under PMKSY (HKKP)	500 water bodies having target Irrn. Potential of 0.4 lakh ha	100	0	150	0	150	137 having target Irrn. Potential of 0.23 lakh ha	100	100*	237 having target Irrn. Potential of 0.28 lakh ha	1135** & Irrn Potential of 0.81 lakh ha restored	*During 2018-19(4 th Qtr), total of 100 nos. (Andhra Pradesh :100) Water Bodies (wbs) with Target Irrn. Potential of 0.056 lakh ha included in the scheme and total CA (1 st inst.) of Rs. 2.7 Crores released to Andhra Pradesh. **During XII Plan & onwards, so far, total of 2064 nos. of water bodies included in the scheme with total estimated Project cost amounting to Rs. 1764.40 Crores having target Irrn. Potential of 1.70 lakh ha. Out of which, so far, RRR works of 1135 wbs completed & 0.81 lakh ha restored.

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3.1.2	Strengthening of traditional water bodies (Nos. in Lakh)	MoRD (MGNREGA)	-	-	-	0.35	-	0.65	-	1.37	-	0.69	3.06	4.55	

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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	6.6 Lakh Sq.Km	2.1 Lakh Sq.Km	0.13Lakh Sq.Km	0.10 Lakh Sq.Km	0.32 Lakh Sq.Km	0.06 Lakh Sq.Km	0.55 Lakh Sq.Km	0.24 Lakh Sq.km	1.10 Lakh Sq.Km	1.76 lakh sq km	2.16 Lakh Sq.Km	10.83 Lakh sqkm (Cumulative Achievement 2012-March,19)	8.67 Lakh Sq.Km area covered during 2012-2018 During 2018-19 an area of 2.16 lakh km2 area has been covered.
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	82122	24716	5329	7425*	6298	6741	6604	6084	6485	7995	28205	174616 (Cumulative Achievement 2012-March,19)	146411 Nos. samples analysed during 2012-18 During 2018-19 28205 number of samples have been analysed.
3.4.1	Expeditious implementation of programme for conservation of water through recharge of ground water including rain water harvesting (under MGNREGA). (Nos. in Lakh)	MoRD (MGNREGA)	--	--	--	0.89	--	1.70	--	5.71	--	1.08	9.38	13.03	

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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.)	SPR Wing	Ultimate Potential Utilization of 76 Lakh Ha. (Additional Potential Creation as 34.60 Lakh Ha.)	Additional Potential creation of 10 Lakh Ha.	-	-	-	-	-	-	-	-	Potential Creation figures will be available by end of June 2019 when crop season ends.	1. 31 No. of Projects Completed/ almost completed. 2. Additional potential created through all 99 projects during 2016-17 & 2017-18 is 5.14 & 6.91 Lakh Ha. respectively. 3. Total Cropped Area assessed by BISAG during 2017-18 for 99 projects is 44.27 Lakh Ha.	Cropped Area is an indicator about utilization of potential created	
Total Potential Created upto 31.03.2018 is 53.46 Lakh Ha. Utilization depends upon various factors and completion of CAD works.																

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<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>11</i>	<i>12</i>	<i>13</i>	<i>14</i>	<i>15</i>	<i>16</i>
3.6.0															
3.6.1	Flood Forecasting by inclusion of additional Forecast stations for unrepresented areas/projects using hydrological and hydraulic modelling . (Nos.)	CWC (FFM Dte)	126 (76+50)	49 (76-27)	5	2	40	21	4	0	0	0	23	249	
3.6.2	Number of Flood Forecasts at existing 226 FF Stations. (Nos.)	CWC	As per flood situation	As per flood situation	As per flood situation	525	As per flood situation	5929	As per flood situation	392	0	0	6851	13148	

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4.0	Goal 4: Increasing water use efficiency by 20%														
4.1.1	Baseline Studies in Irrigation Sector. (Nos.)	NWM	60	5	0	0	0	0	0	0	5	0	0	0	
5.0	Goal 5: Promotion of basin level integrated water resources management														
5.1.1	Development of State Specific Action Plan (SSAP) for Water Sector (Nos.)	NWM	36	20	4	0	4	0	6	0	6	0	0	0	
6.0	Waste Water Dimension and Pollution abatement														
6.1	Rural Sanitation program by MoDWS. (Individual Household latrines) (Nos.)	MoDWS	1084 lakh	300 lakh	60 lakh	76.08 lakh	70 lakh	97.60 lakh	80 lakh	44.82 Lakh	90 lakh	7.98 lakh	226.49 lakh	919.64 lakh	
6.2	Installation of online continuous effluent monitoring stations. (Nos.)	NMCG	Not Fixed	64	64	05	59	29	30	02	28	5	41	800	Out of 28 newly added GPIs 07 units have been issued Closure Direction so target may be considered 21 have been issued compliance direction to install OCEMS within 3 months. However, 356 units have been connected OCEMS during 2017-18.

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6.3	Real-Time Water Quality Monitoring Stations. (Nos.)	NMCG	113 (2013-17)	--	--	--	--	--	--	--	--	--	--	36	Overall target for setting up RTWQM Stations was 113 initially, however the number of overall target was reviewed in CPCB and presently fixed as 76, of which, 36 RTWQM Stations were set up and operationalised in March 2017. International Competitive Bids (ICB) for setting up additional 40 RTWQM Stations have been floated on 20.11.2018 and Pre-bid meeting was held on 06.12.2018. e-Bids have been opened on 23.04.2019 and evaluation of firms is under process.