



Government of India

R F D

(Results-Framework Document)
for

Ministry of Water Resources

(2013-2014)

Section 1: Vision, Mission, Objectives and Functions

Vision

Vision Accurate assessment of water resources alongwith optimal and sustainable development, while ensuring adequate and quality water for all the users so as to match with the growing demands of the country

Mission

Mission 1. To develop and implement policies, programmes and practices, which would enable the efficient and effective use of the country's water resources in an equitable and sustainable manner with active involvement of all stakeholders 2. To develop and implement policies, programmes and practices, which would enable management of floods and control the river bank and coastal erosions 3. To make an accurate assessment and to make the same available to citizens of the country. 4. To put into place systems and practices, which would result in sustained increase in water use efficiency 5. To actively engage with the neighbouring countries and the international community for the harmonious development and utilization of water resources 6. To disseminate information, skills and knowledge, which would help in capacity building and mass awareness

Objectives

- 1 Implementation of National Water Policy
- 2 Alignment of Acts to present day needs
- 3 Inter basin transfer of waters / Investigation of schemes
- 4 Implementation of National Water Mission
- 5 Creation of irrigation potential and Reducing Gap between the IPC & IPU
- 6 Ground Water Management & Regulation
- 7 Research & development and Capacity Building
- 8 River Management Activities and Works related to Border Areas
- 9 Farakka Barrage Project
- 10 Flood Forecasting
- 11 Flood Management Programme
- 12 Water Quality Assessment
- 13 Awareness generation programme
- 14 Independent review / evaluation of XI Plan activities of organizations /Schemes
- 15 Brahmaputra Board

Functions

Section 1: Vision, Mission, Objectives and Functions

- 1 Development, conservation and management of water as a national resource; overall national perspective of water planning and coordination in relation to diverse uses of water
- 2 National Water Resources Council
- 3 Regulation and development of inter-State rivers and river valleys. Implementation of Awards of Tribunals through Schemes, River Boards
- 4 General Policy, technical assistance, research and development training and all matters relating to irrigation, including multi-purpose, major, medium, minor and emergency irrigation works, hydraulic structures for navigation and hydropower; aquifer mapping; protection and preservation of ground water resources; irrigation for agricultural purposes, water management, command area development; management of reservoirs and reservoir sedimentation; flood (control) management, drainage, drought proofing, water logging and sea erosion problems; and dam safety
- 5 Water Laws, legislation
- 6 Initiation of proposal for revision of Uniform Protocol on Water Quality Monitoring (UPWQM) in consultation with stake holders/departments and bring out draft revised UPWQM
- 7 To impart training for capacity building by organizing training courses in water quality related issues
- 8 International organizations, commissions and conferences relating to water resources development
- 9 International Water Law.
- 10 Matters relating to rivers common to India and neighbouring countries; the Joint Rivers Commission with Bangladesh; the Indus Waters Treaty 1960; the Permanent Indus Commission.
- 11 Bilateral and external assistance and cooperation programmes in the field of water resources development

Section 2: Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value			
						Excellent 100%	Very Good 90%	Good 80%	Poor 60%
[1] Implementation of National Water Policy	12.00	[1.1] placing unclassified water related data in public domain	[1.1.1] Hosting of non-classified data on Water Resources Information System India (WRIS)	Date	2.00	31/12/2013	31/01/2014	28/02/2014	31/03/2014
		[1.2] National Water Framework Law	[1.2.1] Approval of competent authority on the working Draft	Date	2.00	30/06/2013	31/07/2013	31/08/2013	31/10/2013
			[1.2.2] Completion of consultation on draft Framework law with States/UTs	Date	2.00	31/12/2013	31/01/2014	15/02/2014	15/03/2014
		[1.3] Preparation of River Basin Management Bill	[1.3.1] Placing draft River Basin Management Bill before the National Forum	Date	2.00	30/09/2013	31/10/2013	30/11/2013	31/01/2014
[2] Alignment of Acts to present day needs	2.00	[1.4] Preparation of Cabinet Note	[1.4.1] Incentivising water sector reforms	Date	4.00	01/12/2013	31/01/2014	28/02/2014	31/03/2014
		[2.1] Modification in the proposed amendments in Inter State River Water Disputes (ISRWD) Act, 1956 in consultation with States/UTs	[2.1.1] Submission of Note to Cabinet	Date	1.00	31/07/2013	31/08/2013	30/09/2013	30/11/2013
[3] Inter basin transfer of waters / Investigation of schemes	6.00	[2.2] Dam Safety Bill, 2013	[2.2.1] Submission of Draft Cabinet Note	Date	1.00	30/06/2013	31/07/2013	31/08/2013	31/10/2013
		[3.1] Survey & Investigation of new projects in	[3.1.1] PFRs of intra-state links in different	No.	2.00	6	5	4	3
									2

Section 2:
Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value			
						Excellent 100%	Very Good 90%	Good 80%	Poor 60%
[4] Implementation of National Water Mission		different states including Morphological studies	areas						
			[3.1.2] DPR of intra-state links	No.	2.00	2	1	1	1
			[3.1.3] DPR of inter-state links	No.	2.00	2	1	1	1
	4.00	[4.1] Goal no. I : Comprehensive water data base in public domain and assessment of the impact of climate change on water resource.	[4.1.1] Award of two studies by reputed research organizations such as IITs for downscaling of Climate Change models to assess the impact of climate change on water resources in major river basins.	Date	1.00	30/09/2013	31/10/2013	30/11/2013	31/12/2013
			[4.2] Goal No. II: Promotion of citizen and state actions for water conservation, Augmentation and preservation.	Date	1.00	31/01/2014	15/02/2014	28/02/2014	15/03/2014
		[4.3] Goal No. III : Focused attention to vulnerable areas including over-exploited areas.	[4.3.1] Preparing and placing in the public domain a revised master plan for artificial recharge of ground water and linking it with WRIS.	Date	1.00	31/12/2013	31/01/2014	28/02/2014	15/03/2014

Section 2:
Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value			
						Excellent 100%	Very Good 90%	Good 80%	Poor 60%
[5] Creation of irrigation potential and Reducing Gap between the IPC & IPU	20.00	[4.4] Goal No. IV : Increasing Water Use efficiency by 20%	[4.4.1] Approval by competent authority for establishing National Bureau of Water Use efficiency	Date	1.00	31/12/2013	31/01/2014	28/02/2014	15/03/2014
			[5.1.1] Process for Cabinet approval	Date	5.00	31/05/2013	30/06/2013	15/07/2013	31/07/2013
			[5.1.2] Creation of Irrigation potential through MMC, SMI & RRR Projects	Mha	5.00	1.6	1.44	1.28	1.12
			[5.1.3] Reducing gap between IPC and IPU	Mha	5.00	5.0	4.5	4	3.5
			[5.1.4] ERM	Mha	5.00	0.4	0.3	0.2	0.1
[6] Ground Water Management & Regulation	11.00	[6.1] Aquifer Mapping	[6.1.1] Identification of data gap in respect of thematic layers, exploration, water level and draft data.	Lakh sq. Km	3.00	0.90	0.81	0.72	0.63
			[6.1.2] Data Generation – Construction of Exploratory/Observation Wells	No.	2.00	800	720	640	560
		[6.2] Hydro-Chemical Studies	[6.2.1] Water samples analyzed in the	No.	2.00	20000	18000	16000	14000
									12000

Section 2:
Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
			year							
		[6.3] Monitoring of Ground Water regime through ground water monitoring stations	[6.3.1] Completion of monitoring on Observation Wells during May / August / November / January	No.	2.00	17000	15300	13600	11900	10200
		[6.4] Proposal of Rainwater Harvesting and Ground Water Recharge in NCT Delhi	[6.4.1] Submission of Proposal	Date	1.00	15/08/2013	31/08/2013	15/09/2013	30/09/2013	15/10/2013
		[6.5] Draft concept report of Aquifer contamination remediation	[6.5.1] Submission of draft concept report	Date	1.00	28/02/2014	07/03/2014	14/03/2014	21/03/2014	31/03/2014
[7] Research & development and Capacity Building	8.00	[7.1] Research on various aspects of water resources and to bring out technical reports / research papers in Indian & International journals of repute by various organizations namely NWA (CWC), NIH, CWPRS CSMRS and CGWB.	[7.1.1] Number of reports brought out / published (Applied Research)	No.	1.00	230	200	175	150	140
			[7.1.2] Number of reports brought out / published (Basic/Pure Research)	No.	1.00	20	18	16	14	12
			[7.1.3] Number of papers brought out / published-	No.	0.50	2	1	0	0	0

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Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
			International Level (Papers with Impact Factor of 2.5 or more)							
			[7.1.4] Number of papers brought out / published- International Level (Papers with Impact Factor less than 2.5)	No.	0.50	58	55	50	45	40
			[7.1.5] Number of papers brought out / published- National Level	No.	1.00	240	220	200	180	160
			[7.2.1] Number of training programmes organized	No.	2.00	72	60	50	40	30
			[7.3.1] Conducting training programmes (136 no.)	No.	2.00	136	123	120	97	84
[8] River Management Activities and Works related to Border Areas	3.00	[8.1] Hydrological observations, investigation of Water Resources Projects with neighboring countries. Bank protection, anti-erosion & drainage development works on Indian side.	[8.1.1] Completion of irrigation planning studies of Sapt-kosi project on Indian side	Date	2.00	31/12/2013	31/01/2014	15/02/2014	20/02/2014	28/02/2014

Section 2: Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
			[8.1.2] Completion of communication survey of Sapt-kosi project on Indian side	Date	1.00	28/02/2014	10/03/2014	20/03/2014	25/03/2014	31/03/2014
[9] Farakka Barrage Project	1.00	[9.1] Erosion Control and Maintenance of Structures	[9.1.1] Fabrication and installation of gates in place of worn out gates	No.	1.00	5	4	3	2	1
[10] Flood Forecasting	2.00	[10.1] Collection of hydro-meteorological data, interface with IMD for forecast generation, formulation / dissemination of flood forecasts to user agencies during monsoon season and modernization / expansion of Flood Forecasting Network	[10.1.1] Accuracy of forecasts issued with warning time of 24 hours.	%	1.00	98	92	88	84	80
			[10.1.2] Installation of 125 telemetry system in existing stations.	Date	1.00	28/02/2014	10/03/2014	20/03/2014	25/03/2014	31/03/2014
[11] Flood Management Programme	2.00	[11.1] Preparation and finalization of revised guidelines	[11.1.1] Submission of Draft Cabinet Note	Date	1.00	31/07/2013	15/08/2013	31/08/2013	15/09/2013	30/09/2013
			[11.1.2] Notification of revised guidelines	Date	1.00	31/12/2013	31/01/2014	28/02/2014	15/03/2014	31/03/2014
[12] Water Quality Assessment	4.00	[12.1] Revision of Uniform Protocol on Water Quality Monitoring (UPWQM) in consultation with stake	[12.1.1] Preparation of Revised Uniform Protocol on Water Quality Monitoring (UPWQM) (1 no.).	Date	2.00	31/12/2013	31/01/2014	28/02/2014	15/03/2014	31/03/2014

Section 2:
Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
[13] Awareness generation programme	4.00	holders/departments and bring out revised UPWQM.								
		[12.2] To impart training for capacity building by organizing training courses in water quality related issues.	[12.2.1] Imparting training to technical and scientific officers/engineers (110 trainees).	No.	2.00	110	100	90	80	70
		[13.1] Organisation of India Water Week, an international event	[13.1.1] Celebration of India Water Week and circulation of relevant papers and proceedings to states and other stakeholders	Date	1.00	20/09/2013	25/09/2013	30/09/2013	05/10/2013	10/10/2013
		[13.2] Awareness among children on water conservation	[13.2.1] Painting Competition at School, State and National level	Date	1.00	27/01/2014	30/01/2014	03/02/2014	06/02/2014	10/02/2014
[14] Independent review / evaluation of XI Plan activities of organizations /Schemes	2.00	[13.3] Organization/Participation in workshops/seminars/exhibitions	[13.3.1] Successful organisation/participation	No.	1.00	20	18	16	14	12
		[13.4] Initiating Innovative IEC activities.	[13.4.1] Preparation of Action Plan for innovation in IEC.	Date	1.00	27/12/2013	31/12/2013	05/01/2014	10/01/2014	15/01/2014
		[14.1] Evaluation of R&D activities	[14.1.1] Completion of evaluation study in CSMRS, CWPRS, NIH, and CWC. by IIT Roorkee and IIT, Bombay	Date	2.00	30/11/2013	31/12/2013	31/01/2014	15/02/2014	28/02/2014

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Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent 100%	Very Good 90%	Good 80%	Fair 70%	Poor 60%
[15] Brahmaputra Board	4.00	[15.1] Protection of Majuli Island Ph- II and III from flood erosion	[15.1.1] Completion of works	%	1.00	44	40	35	31	27
		[15.2] Avulsion of Brahmaputra at Dholai Hatighuli Ph-IV	[15.2.1] Completion of works	%	1.00	25	22	20	18	16
		[15.3] Preparation of DPRs of Drainage Development schemes	[15.3.1] Preparation of DPRs	No.	1.00	3	2.7	2.4	2.0	1.6
		[15.4] Preliminary Study of impact of Chinese proposal to use Brahmaputra and Sutlej waters for power generation.	[15.4.1] Completion of preliminary studies	Date	1.00	15/03/2014	20/03/2014	25/03/2014	28/03/2014	31/03/2014
* Efficient Functioning of the RFD System	3.00	Timely submission of Draft RFD 2014-15 for Approval	On-time submission	Date	2.0	05/03/2014	06/03/2014	07/03/2014	08/03/2014	11/03/2014
		Timely submission of Results for 2012-13	On-time submission	Date	1.0	01/05/2013	02/05/2013	03/05/2013	06/05/2013	07/05/2013
* Transparency/Service delivery Ministry/Department	3.00	Independent Audit of implementation of Citizens'/Clients' Charter (CCC)	% of implementation	%	2.0	100	95	90	85	80
		Independent Audit of implementation of Public Grievance Redressal System	% of implementation	%	1.0	100	95	90	85	80
* Administrative Reforms	6.00	Implement mitigating strategies for reducing potential risk of corruption	% of implementation	%	1.0	100	95	90	85	80
		Implement ISO 9001 as per the approved action plan	% of implementation	%	2.0	100	95	90	85	80

* Mandatory Objective(s)

Section 2: Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent 100%	Very Good 90%	Good 80%	Fair 70%	Poor 60%
		Implement Innovation Action Plan (IAP)	% of milestones achieved	%	2.0	100	95	90	85	80
		Identification of core and non-core activities of the Ministry/Department as per 2nd ARC recommendations	Timely submission	Date	1.0	27/01/2014	28/01/2014	29/01/2014	30/01/2014	31/01/2014
* Improving Internal Efficiency/Responsiveness.	2.00	Update departmental strategy to align with 12th Plan priorities	Timely updation of the strategy	Date	2.0	10/09/2013	17/09/2013	24/09/2013	01/10/2013	08/10/2013
* Ensuring compliance to the Financial Accountability Framework	1.00	Timely submission of ATNs on Audit paras of C&AG	Percentage of ATNs submitted within due date (4 months) from date of presentation of Report to Parliament by CAG, during the year.	%	0.25	100	90	80	70	60
		Timely submission of ATRs to the PAC Sectt. on PAC Reports.	Percentage of ATRs submitted within due date (6 months) from date of presentation of Report to Parliament by PAC, during the year.	%	0.25	100	90	80	70	60
		Early disposal of pending ATNs on Audit Paras of C&AG Reports presented to Parliament before 31.3.2012.	Percentage of outstanding ATNs disposed off during the year.	%	0.25	100	90	80	70	60
		Early disposal of pending ATRs on PAC Reports presented to Parliament before 31.3.2012	Percentage of outstanding ATRs disposed off during the year.	%	0.25	100	90	80	70	60

* Mandatory Objective(s)

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
[1] Implementation of National Water Policy	[1.1] placing unclassified water related data in public domain	[1.1.1] Hosting of non-classified data on Water Resources Information System India (WRIIS)	Date	--	--	31/12/2013	--	--
	[1.2] National Water Framework Law	[1.2.1] Approval of competent authority on the working Draft	Date	--	--	30/06/2013	--	--
		[1.2.2] Completion of consultation on draft Framework law with States/UTs	Date	--	--	31/12/2013	--	--
	[1.3] Preparation of River Basin Management Bill	[1.3.1] Placing draft River Basin Management Bill before the National Forum	Date	--	--	30/09/2013	--	--
[2] Alignment of Acts to present day needs	[1.4] Preparation of Cabinet Note	[1.4.1] Incentivising water sector reforms	Date	--	--	01/12/2013	--	--
	[2.1] Modification in the proposed amendments in Inter State River Water Disputes (ISRWD) Act, 1956 in consultation with States/UTs	[2.1.1] Submission of Note to Cabinet	Date	--	--	31/07/2013	--	--
[3] Inter basin transfer of waters / Investigation of schemes	[2.2] Dam Safety Bill, 2013	[2.2.1] Submission of Draft Cabinet Note	Date	--	--	30/06/2013	--	--
	[3.1] Survey & Investigation of new projects in different states including Morphological studies	[3.1.1] PFRs of intra-state links in different areas	No.	--	--	6	--	--

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
[4] Implementation of National Water Mission		[3.1.2] DPR of intra-state links	No.	--	--	2	--	--
		[3.1.3] DPR of inter-state links	No.	--	--	2	--	--
	[4.1] Goal no. I : Comprehensive water data base in public domain and assessment of the impact of climate change on water resource.	[4.1.1] Award of two studies by reputed research organizations such as IITs for downscaling of Climate Change models to assess the impact of climate change on water resources in major river basins.	Date	--	--	30/09/2013	--	--
	[4.2] Goal No. II: Promotion of citizen and state actions for water conservation, Augmentation and preservation.	[4.2.1] 3 workshops to be organised for capacity building of stake holders.	Date	--	--	31/01/2014	--	--
	[4.3] Goal No. III : Focused attention to vulnerable areas including over-exploited areas.	[4.3.1] Preparing and placing in the public domain a revised master plan for artificial recharge of ground water and linking it with WRIS.	Date	--	--	31/12/2013	--	--
	[4.4] Goal No. IV : Increasing Water Use efficiency by 20%	[4.4.1] Approval by competent authority for establishing National Bureau of Water Use efficiency	Date	--	--	31/12/2013	--	--

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
[5] Creation of irrigation potential and Reducing Gap between the IPC & IPU	[5.1] Preparation of frame work for approval of project under AIBP, CAD & RRR	.						
		[5.1.1] Process for Cabinet approval	Date	--	--	31/05/2013	--	--
		[5.1.2] Creation of Irrigation potential through MMC, SMI & RRR Projects	Mha	--	--	0.8	--	--
		[5.1.3] Reducing gap between IPC and IPU	Mha	--	--	0.5	--	--
		[5.1.4] ERM	Mha	--	--	0.4	--	--
[6] Ground Water Management & Regulation	[6.1] Aquifer Mapping	[6.1.1] Identification of data gap in respect of thematic layers, exploration, water level and draft data.	Lakh sq. Km	--	0.54	0.90	5.89	--
		[6.1.2] Data Generation – Construction of Exploratory/Observation Wells	No.	734	664	800	800	800
	[6.2] Hydro-Chemical Studies	[6.2.1] Water samples analyzed in the year	No.	20200	19955	20000	20000	20000
	[6.3] Monitoring of Ground Water regime through ground water monitoring stations	[6.3.1] Completion of monitoring on Observation Wells during May / August / November / January	No.	15600	15600	17000	27000	34000

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
[7] Research & development and Capacity Building	[6.4] Proposal of Rainwater Harvesting and Ground Water Recharge in NCT Delhi	[6.4.1] Submission of Proposal	Date	--	--	15/08/2013	--	--
	[6.5] Draft concept report of Aquifer contamination remediation	[6.5.1] Submission of draft concept report	Date	--	--	28/02/2014	--	--
	[7.1] Research on various aspects of water resources and to bring out technical reports / research papers in Indian & International Journals of repute by various organizations namely NWA (CWC), NIH, CWPRS CSMRS and CGWB.	[7.1.1] Number of reports brought out / published (Applied Research)	No.	--	404	230	--	--
		[7.1.2] Number of reports brought out / published (Basic/Pure Research)	No.	--	--	20	--	--
		[7.1.3] Number of papers brought out / published- International Level (Papers with Impact Factor of 2.5 or more)	No.	--	--	2	--	--
		[7.1.4] Number of papers brought out / published-	No.	--	236	58	--	--

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
		International Level (Papers with Impact Factor less than 2.5)						
		[7.1.5] Number of papers brought out / published- National Level	No.	--	--	240	--	--
		[7.2.1] Number of training programmes organized	No.	--	--	72	--	--
	[7.2] Organization of training programmes by various organizations namely NWA (CWC), NIH, CWPRS, CSMRS and CGWB.							
[8] River Management Activities and Works related to Border Areas	[7.3] State/ district/ block level training for stake holders on Participatory Ground Water Management	[7.3.1] Conducting training programmes (136 no.)	No.	--	80	136	140	150
	[8.1] Hydrological observations, investigation of Water Resources Projects with neighboring countries. Bank protection, anti-erosion & drainage development works on Indian side.	[8.1.1] Completion of irrigation planning studies of Sapt-kosi project on Indian side	Date	--	--	31/12/2013	--	--
		[8.1.2] Completion of communication survey of Sapt-kosi project on Indian side	Date	--	--	28/02/2014	--	--

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
[9] Farakka Barrage Project	[9.1] Erosion Control and Maintenance of Structures	[9.1.1] Fabrication and installation of gates in place of worn out gates	No.	--	6	5	6	6
[10] Flood Forecasting	[10.1] Collection of hydro-meteorological data, interface with IMD for forecast generation, formulation / dissemination of flood forecasts to user agencies during monsoon season and modernization / expansion of Flood Forecasting Network	[10.1.1] Accuracy of forecasts issued with warning time of 24 hours.	%	--	98	98	98	98
		[10.1.2] Installation of 125 telemetry system in existing stations.	Date	--	--	28/02/2014	--	--
[11] Flood Management Programme	[11.1] Preparation and finalization of revised guidelines	[11.1.1] Submission of Draft Cabinet Note	Date	--	--	31/07/2013	--	--
		[11.1.2] Notification of revised guidelines	Date	--	--	31/12/2013	--	--
[12] Water Quality Assessment	[12.1] Revision of Uniform Protocol on Water Quality Monitoring (UPWQM) in consultation with stake holders/departments and bring out revised	[12.1.1] Preparation of Revised Uniform Protocol on Water Quality Monitoring (UPWQM) (1 no.).	Date	--	--	31/12/2013	--	--

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
	UPWQM.							
	[12.2] To impart training for capacity building by organizing training courses in water quality related issues.	[12.2.1] Imparting training to technical and scientific officers/engineers (110 trainees).	No.	--	--	110	--	--
[13] Awareness generation programme	[13.1] Organisation of India Water Week, an international event	[13.1.1] Celebration of India Water Week and circulation of relevant papers and proceedings to states and other stakeholders	Date	--	--	20/09/2013	--	--
	[13.2] Awareness among children on water conservation	[13.2.1] Painting Competition at School, State and National level	Date	--	--	27/01/2014	--	--
	[13.3] Organization/Participation in workshops/seminars/exhibitions	[13.3.1] Successful organisation/participation	No.	--	--	20	20	--
	[13.4] Initiating Innovative IEC activities.	[13.4.1] Preparation of Action Plan for innovation in IEC.	Date	--	--	27/12/2013	--	--
[14] Independent review / evaluation of XI Plan activities of organizations /Schemes	[14.1] Evaluation of R&D activities	[14.1.1] Completion of evaluation study in CSMRS, CWPRS, NIH, and CWC. by IIT Roorkee and IIT, Bombay	Date	--	--	30/11/2013	--	--
[15] Brahma Putra Board	[15.1] Protection of Majuli Island Ph- II and III	[15.1.1] Completion of works	%	--	--	44	--	--

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
	from flood erosion							
	[15.2]Avulsion of Brahmaputra at Dholla Hatighuli Ph-IV	[15.2.1] Completion of works	%	--	--	25	--	--
	[15.3]Preparation of DPRs of Drainage Development schemes	[15.3.1] Preparation of DPRs	No.	--	--	3	--	--
	[15.4]Preliminary Study of impact of Chinese proposal to use Brahmaputra and Sutlej waters for power generation.	[15.4.1] Completion of preliminary studies	Date	--	--	15/03/2014	--	--
* Efficient Functioning of the RFD System	Timely submission of Draft RFD 2014-15 for Approval	On-time submission	Date	--	--	05/03/2014	--	--
* Transparency/Service delivery Ministry/Department	Timely submission of Results for 2012-13	On-time submission	Date	--	--	01/05/2013	--	--
	Independent Audit of implementation of Citizens'/Clients' Charter	% of implementation	%	--	--	95	--	--
	Independent Audit of implementation of Public Grievance Redressal System	% of implementation	%	--	--	95	--	--
* Administrative Reforms	Implement mitigating strategies for reducing potential risk of corruption	% of implementation	%	--	--	95	--	--

* Mandatory Objective(s)

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
* Ensuring compliance to the Financial Accountability Framework	Implement ISO 9001 as per the approved action plan	% of implementation	%	--	--	95	--	--
	Implement Innovation Action Plan (IAP)	% of milestones achieved	%	--	--	95	--	--
	Identification of core and non-core activities of the Ministry/Department as per 2nd ARC recommendations	Timely submission	Date	--	--	01/10/2013	--	--
	Timely submission of ATNs on Audit paras of C&AG	Percentage of ATNs submitted within due date (4 months) from date of presentation of Report to Parliament by CAG .during the year.	%	--	--	90	--	--
	Timely submission of ATRs to the PAC Sect. on PAC Reports.	Percentage of ATRS submitted within due date (6 months) from date of presentation of Report to Parliament by PAC .during the year.	%	--	--	90	--	--
	Early disposal of pending ATNs on Audit Paras of C&AG Reports presented to Parliament before 31.3.2012.	Percentage of outstanding ATNs disposed off during the year.	%	--	--	90	--	--
* Mandatory Objective(s)		Early disposal of pending ATRs on PAC Reports presented to Parliament before 31.3.2012	%	--	--	90	--	--

Section 4: Acronym

Sl.No	Acronym	Description
1	AR	Innovative Studies - Central Ground Water Board under Ministry of Water Resources, has taken up Pilot Aquifer Mapping Project in Six different Hydro geological terrains covering parts of states of Bihar, Rajasthan, Maharashtra, Karnataka and Tamil Nadu for micro level study of aquifer systems. Under Innovative Studies, the data generation through advanced geophysical techniques for Aquifer Characterization is taken up. The advanced geophysical techniques being employed are 2D resistivity imaging, Ground TEM and Heliborne Transient Electromagnetic Technique so as to get the sub surface information, which will be translated in to generation of hydro geological layers for a 3D model after corroborating with existing CGWB/State bore hole data. The objectives of the study are to define the aquifer geometry and characteristics of Multi-layered aquifer systems on 1:50,000 scale. Central Ground Water Board would make Aquifer Maps and formulate Aquifer Management Plan for sustainable develop
2	BRDI	The technical standards of National Institute of Hydrology, Central Ground Water Board, Central Water Research Station; Power Research Station and Central Soil Research Station; Materials Research Station and bring them upto international standards. Benchmarking Studies of these institutions are being done with the help of World Bank under the Project, "Capability Building for Integrated Water Resources Development and Management – DFID". It is proposed to constitute a review committee this year. The committee will finalise the report and prepare action plan for modernization.
3	CIPRG	Major and medium irrigation projects are generally inter-state in nature therefore implementation requires investment clearance from Planning Commission. For granting investment clearance, Ministry of Water Resources conducts thorough appraisal of Detailed Project Report (DPR) of State Governments and grants techno-economic clearance based on the examination by Central Water Commission followed by investment clearance by Planning Commission. Generally the construction period of major irrigation projects is 10 years and medium irrigation projects are 4 years. Due to paucity of funds, sometimes State Governments fail to complete these projects due to thin spreading of resources on many projects at a time. Accelerated Irrigation Benefits Programme provides assistance in the form of grant as per approved guidelines of the projects. The project proposals are submitted by various State Governments as per their own priority. These proposals are examined and processed by the Ministry and its attached offices for onward submission to Ministry of Finance for release of funds to the State Governments. Minor Irrigation projects are approved by State Governments through Technical Advisory

Section 4: Acronym

Sl.No	Acronym	Description
3	CIPRG	Committee where a representative of Ministry of Water Resources through Director (Mon), Central Water Commission is available. After TAC clearance of the proposal, the projects are submitted to various designated units of MoWR and processed in detail to forward them for release of funds by Ministry of Finance. Similarly, Repair, Renovation & Restoration scheme proposals are prepared by panchayati raj institutions and cleared at district level through TAC by the State Government where representative of CWC and CGWB are available. After TAC approval, these proposals are again submitted to various units of the Ministry for processing and onward submission to MoF. Same is the case with command area development projects. In these schemes considerable activities are involved before release of Central assistance for the projects. These projects are closely monitored and for release of the next instalment of central assistance, the monitoring reports are generally referred. Through monitoring reports, various bottlenecks are addressed which help in speedy creation of potential. The measureable outcome for the monitoring visits will be the expeditious completion of the Major/Medium Projects through drawing attention on the bottlenecks involved in the projects to the Project Authorities and also suggesting remedial measures. The possible outcome of the meeting of the officials of the MoWR/ CWC with State Government will result in removal of bottlenecks involved in the execution of the project, i.e., technical issue involved in the projects and the issues related to inter- departments NHAI crossing/railway crossing. The measureable output for processing the proposal of AIBP and RRR will be creation/restoration of irrigation potential in the States. Through processing of proposals of CAD, utilisation of irrigation potential will be enhanced. This will, however, depend upon the timely release of funds by Ministry of Finance, timely release of funds by State Governments for their share and timely execution of the projects by State Governments on priority. The measureable outcome for the review meetings between the State Governments and MoWR/CWC would also be the creation of irrigation potential through removal of bottlenecks in execution of projects and therefore the completion of Major/ Medium Irrigation Projects.

Section 4: Acronym

Sl.No	Acronym	Description
4	GWMR	The main activities under the Central Sector Scheme of Ground Water Management and Regulation are Aquifer Mapping, Hydro-chemical Studies, Ground Water Exploration and Monitoring of Ground Water observation wells some of which are quantifiable except data collection, data compilation and data gap analysis which success indicator in area covered in Sq.Km. The achievement of targets specified in respect of preparation of manual on aquifer mapping, Proposal of Rainwater Harvesting and Ground Water Recharge in NCT Delhi and draft concept report of Aquifer contamination remediation are dependent on their timely completion and hence appropriate time unit (time/date) has been fixed as their success indicator.
5	IBTW/S	This National Water Development Agency under this Ministry has started the Survey and Investigations for two inter-state river links and a tripartite MoU was signed between the Union Minister of Water Resources, Chief Ministers of Government of Gujarat and Maharashtra on 3rd May, 2010 in the august presence of Dr. Manmohan Singh, Hon'ble Prime Minister of India for preparation of DPR of Par-Tapi-Narmada link Project and Damanganga-Pinjal link Project by Central Government. The work of preparation of DPRs has been taken up by NWDA which was planned to be completed by December, 2011. However, there has been hindrance in the progress of work, due to public opposition. However, the DPR of these two links is likely to be completed in 2013-14. Further, NWDA has also started the Survey and Investigations for two intra-State river links, namely (i) Burhi Gandak-None-Baya-Ganga Link and (ii) Kosi-Mechi Link in India and prepare Detailed Project Reports there on in 2012-13. The same work will be continued and likely to be completed in 2013-14. NWDA has also proposed to take up Survey and Investigations for two more intra-State river links and prepare Detailed Project Reports there on in 2013-14. Similarly, Pre- feasibility Studies for Six intra-state links in different areas of the country are proposed during 2012-13. List of DPR of Intra-State links: (i) Waingang (Gosikhurd)- Nalganga (Purna Tapi) Link (ii) Ponnaiyar-Palor Link List of PFR of Intra-State links: (i) Sri Ram Sagar Project (Godavari)- Purna Manjira link (ii) Middle Konkan – Bhima Valley link (iii) Savitri – Bhima link (iv) Kolhapur – Sangli- Sangola Link

Section 4: Acronym

Sl.No	Acronym	Description
5	IBTW/IS	(v) River Linking projects of Tapi Basin and Jalgaon Basin (vi) Jigaon – Tapi – Godavari Valley link
6	INWM	The Government of India launched National Action Plan on Climate Change (NAPCC) on 30th June, 2008, which inter-alia envisaged identified the approach to be adopted to meet the challenges of impact of climate change through eight National Missions including National Water Mission with the main objective of "conservation of water, minimizing wastage and ensuring its more equitable distribution both across and within States through integrated water resources development and management". The Comprehensive Mission Document for National Water Mission, approved by the Cabinet on 6th April, 2011, identifies five goals as under; (i) Comprehensive water data base in public domain and assessment of the impact of climate change on water resource, (ii) Promotion of citizen and state actions for water conservation, augmentation and preservation, (iii) Focused attention to vulnerable areas including over-exploited areas, (iv) Increasing water use efficiency by 20%, and (v) Promotion of basin level integrated water resources management. In order to achieve the above goals following activities are targeted during 2012-13. (a) Action Plan of National Water mission to be approved by Steering Committee and to be placed before Advisory Board. Detailed action plan for XII plan will be placed before the high level Steering committee for approval and the minutes will be placed before the apex body headed by Hon'ble Minister of Water resources. (b) Downscaling of Climate Change Models and assessment of the impact of climate change on water resource in each of 20 major river basins. There are about 23 Global Circulation Models (GCM) at 200-300 km grids available worldwide to forecast future climate change scenario. Some Regional Circulation Models

Section 4: Acronym

Sl.No	Acronym	Description
6	INWM	(RCMs) at 50 km grids have also been developed to suit regional climate pattern. These global/regional models need to be downscaled and translating it to a finer spatial scale, say at 10 km grids, to assess the likely impact of climate change on water resources scenario in each of the 20 major river basins. Such downscaling will enable taking appropriate decisions about water utilizations, etc. Series of interaction meetings with concerned IITs, IISc and other leading academic/ research institutes were organized during 2012-13 for downscaling of climate change models and assessment of the impact of climate change in each of the 20 major river basins in the country were identified. Project proposals for these studies have been invited and submitted by the identified lead institutes. National Institute of Hydrology, Roorkee is co-ordinating these studies. Terms of Reference (TOR) have been finalised and process for award of work is in progress. These studies would take about two to three years' time for completion. (c) Study with Asian Development Bank: NWM intends to initiate a study with Asian Development Bank to undertake operationally relevant research to identify and test integrated flood mitigation and flood plain management strategies.
7	IRE XI P	The Evaluation of R&D activities carried out during XI Plan by the apex organizations of MoWR namely Central Water and Power Research Station (CWPRS), Central Soil and Material Research Station (CSMRS), National Institute of Hydrology (NIH) and Central Water Commission (CWC) have been awarded to IIT Roorkee and IIT Bombay. The report of the study is expected to be submitted by the evaluating agencies by 30th November, 2013. The evaluation work of XI Plan scheme will be completed in 2013-14.
8	NWP 2012	National Water Policy 2012 was adopted by the National Water Resources Council under the chairmanship of Prime Minister on 28th December, 2012. Ministry of Water Resources intends to implement the policy recommendations of the National Water Policy 2012. During the year 2013-14, following major policy recommendations are proposed to be implemented. (a) Keeping unclassified water related data in public domain The National Water Policy, 2012 inter-alia stipulates that all hydrological data, other than

Section 4: Acronym

Sl.No	Acronym	Description
8	NWP 2012	those classified on national security consideration, should be in public domain. However, a periodic review for further declassification of data may be carried out. Hence, it is proposed to evolve a Hydro-meteorological Data Dissemination Policy to categorize water related data generated and maintained by Central Water Commission and Central Ground Water Board into classified and unclassified data. While it is proposed to keep all unclassified data in public domain, the classified data would be disseminated after following the procedure, to be evolved. After formulation of Hydro-meteorological Data Dissemination Policy, all unclassified data would be hosted on Water Resources Information System India WRIS being developed by the Ministry of Water Resources. (b) Framing of Draft National Water Framework Law The National Water Policy (2012) stipulate formulation of a National Water Framework Law as an umbrella statement of general principles governing the exercise of legislative and/or executive (or devolved) powers by the Centre, the States and the local governing bodies emerged. It would lead the way for essential legislation on water governance in every State of the Union and devolution of necessary authority to the lower tiers of government to deal with the local water situation. Such a framework law must recognize water not only as a scarce resource but also as a sustainer of life and ecology. In view of the above, Ministry of Water Resources initiated action for preparation of a Draft National Water Framework Act. A Drafting Committee headed by Dr. Y.K. Alagh, has been constituted for Drafting National Water Framework Law. The Draft National Water Framework Law would be placed before the National Forum of Water Resources and Irrigation Ministers of States, set up for sharing of ideas and facilitating support to new and innovative ideas for better water governance. (c) Evolution of framework for incentivizing States for undertaking water sector reforms India has become a water stressed country with rapid growth in demand of water due to population growth and urbanization posing serious challenge to water security, food

Section 4: Acronym

Sl.No	Acronym	Description
8	NWP 2012	security and sustainable livelihood for all in an equitable manner. There is wide temporal and spatial variation in availability of water, which may increase substantially due to climate changes, causing more water crisis and incidences of water related disasters, i.e., floods, increased erosion and increased frequency of droughts, etc. Injudicious inter-sectoral and intra-sectoral distribution of water amongst various categories of water users, low water use efficiency, fragmented approach to water resources planning and development, low water user charges and meager recovery are some of the major problems associated with the management of water resources in the country. The Planning Commission Steering Committee on Water Resources and Sanitation and the Thirteenth Finance Commission had recommended that the central assistance should be linked to outcomes in terms of water sector performance and impacts. Planning Commission has recommended setting up of "Irrigation Management Fund" to incentivize States to undertake these reforms in water sector. In order to evolve a framework for incentivizing the States, a consultancy work had been awarded to M/s. Administrative Staff College of India, Hyderabad (ASCI). M/s. ASCI is in the process of preparing a position paper on the need for water sector reforms in different States which would be firmed up during seven Regional Workshops with the concerned States. Thereafter, a framework for undertaking reforms in the water sector would be drawn up in consultation with State Governments.
9	WQA	Water Quality Assessment Authority (WQAA) has been constituted under Environment Protection Act, 1986; vide Gazette Notification S.O. 583(E) dated 29th May, 2001 by the Ministry of Environment & Forests, Government of India, New Delhi. At present, the WQAA is a 16- Member Inter-Ministerial Body. Secretary (Environment & Forests) MoEF is the Chairman of WQAA and Joint Secretary (Administration), Ministry of Water Resources is its Member Secretary. A Water Quality Cell under the Ministry of Water Resources is providing Secretariat services to WQAA to discharge its assigned functions with a budgetary provision under Plan scheme of DWRIS with a sub-head of WQAA. Measurement methodologies adopted are briefed below: a) Preparation of draft Revised Uniform Protocol on Water Quality Monitoring (UPWQM) (1 no.). b) Conducting training programmes (6 nos.)

Section 5 :
Specific Performance Requirements from other Departments

Location Type	State	Organisation Type	Organisation Name	Relevant Success Indicator	What is your requirement from this organisation	Justification for this requirement	Please quantify your requirement from this Organisation	What happens if your requirement is not met.
Central Government		others	Others	[6.1.1] Identification of data gap in respect of thematic layers, exploration, water level and draft data. [7.1.2] Number of reports brought out / published (Basic/Pure Research) [7.2.1] Number of training programmes organized [1.1.1] Hosting of non-classified data on Water Resources Information System India (WRIS) [1.2.1] Approval of competent authority on the working Draft [1.2.2] Completion of consultation on draft Framework law with States/UTs				

**Section 5 :
Specific Performance Requirements from other Departments**

Location Type	State	Organisation Type	Organisation Name	Relevant Success Indicator	What is your requirement from this organisation	Justification for this requirement	Please quantify your requirement from this Organisation	What happens if your requirement is not met.
				[5.1.1] Process for Cabinet approval Creation of Irrigation potential through MMC, SMI & HRR Projects [11.1.1] Submission of Draft Cabinet Note [11.1.2] Notification of revised guidelines				

Section 6:
Outcome/Impact of Department/Ministry

Outcome/Impact of Department/Ministry	Jointly responsible for influencing this outcome / impact with the following department (s) / ministry(ies)	Success Indicator	Unit	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16
1 Keeping unclassified water related data in public domain	State Governments	Well informed people would enable better decision making for conservation, preservation and augmentation of water resources	Date					31/03/2016
2 National Water Framework Law	State Governments	Essential legislation on water governance in every State of the Union and devolution of necessary authority to the lower tiers of government to deal with the local water situation	Date					31/03/2016
3 Evolution of framework for incentivizing States for undertaking water sector reforms	State Governments	Rationalization of water charges; Establishment of regulatory mechanism; Enactment of Participatory Irrigation Management (PIM) Act and authorization of Water Users' Associations (WUAs) to collect and retain water charges; Move towards water distribution on the basis of volumetric measurements; and Adoption of modern management tools etc.	Date					31/03/2016
4 Assessment of impact of climate change on water resources of 20 major river basins	NIH/ITs/ISs/States	Projection of river basin wise water scenario in 2020, 2050 & 2100	Date					30/09/2015

Section 6:
Outcome/Impact of Department/Ministry

Outcome/Impact of Department/Ministry	Jointly responsible for influencing this outcome / impact with the following department (s) / ministry(ies)	Success Indicator	Unit	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16
5 Ground Water Management & Regulation (i) Aquifer Mapping (ii) Hydro-Chemical Studies (iii) Monitoring of Ground Water regime through ground water monitoring stations (iv) Preparation of Manual on Aquifer Mapping v. Proposal of Rainwater Harvesting and Ground Water Recharge in NCT Delhi vi. Draft concept report of Aquifer contamination remediation	States	(i)(a) Data collection, compilation and data gap analysis	Lakh Sq Km		0.54	0.81	0.81	
		(i) (b) Data Generation Construction of Exploratory/ Observation Wells	Nos	734	465	720	800	
		(ii) Water samples analyzed in the year	Nos	20200	15723	18000		
		(iii) Monitoring in specific time during (May/August/November/January)	Nos	15000	15000	15300	16000	
		(iv) Submission of Manual on Aquifer Mapping	Date			07/03/2014		

Section 6:
Outcome/Impact of Department/Ministry

Outcome/Impact of Department/Ministry	Jointly responsible for influencing this outcome / impact with the following department (s) / ministry(ies)	Success Indicator	Unit	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16
		Submission of Proposal	Date			15/08/2013		
		Submission of draft concept report	Date			07/03/2014		
6 River water management activities	States	Integrated water resource planning at basin level	Date			31/03/2014		
7 Reduction for gaps between IPC/IPU	MoF/Planning Commission/States	Irrigation potential created under AIPB and irrigation potential utilised under CAD programme and RRR also	Date			31/03/2014		
8 To collect real time data its analysis and issue of flood forecasts	States	Accuracy warning of the incoming flood to help in planning activities for reducing the damages from floods within 24 hours.	Date			31/03/2014		
9 Revision of Uniform Protocol on Water Quality Monitoring (UPWQM) and bring out revised UPWQM (1 no.).	CWC/CGWB/CPCB/NRCD/ MoEF/MoA/MoUD/MoRD/ MoP/MoDW&S/MoH&FW/ IARI/NEERI	Approval of draft revised UPWQM by Member Secretary of WQAA	Date			31/01/2014		
10 Conducting training programme (6 nos.).	CWC/CGWB/ CPCB/ /NIH	Conducting training programmes	Nos			6		
11 Imparting training to technical and scientific officers/engineers (110 trainees).	CWC/CGWB/ CPCB/ /NIH	Imparting training to technical and scientific officers/engineers	No.			110		

Section 6:
Outcome/Impact of Department/Ministry

Outcome/Impact of Department/Ministry	Jointly responsible for influencing this outcome / impact with the following department (s) / ministry(ies)	Success Indicator	Unit	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16
12 To showcase the latest in technology, construction and manufacturing in the water sector to an international audience and also provide a platform for exchange of ideas on policy and technology. Circulation of relevant papers and proceedings of 2013 event for sharing of knowledge/ techniques in water sector to States and other stakeholders.		One event – India Water Week celebration	Date	22/03/2012	14/04/2012	12/04/2013		
13 Awareness among children, their parents, teachers & others on the importance of water conservation.		One event - Painting Competition at School, State and National level	No.	5070	23475	41421		
14 Awareness among target groups on issues related to water conservation.		20 workshops -Organisation of workshops/seminars	No.		20			
15 Awareness among target groups on issues related to water conservation.		Preparation of Action Plan for innovation in IEC.	Date			31/03/2014		