



# **Results Framework Document (RFD)**

**for**

**Central Ground Water Board  
Ministry of Water Resources**

**(2014-15)**

## RESULT FRAMEWORK DOCUMENT (RFD)

### Section 1: Vision, Mission, Objectives and Functions

#### Vision

Sustainable Development and Management of Ground Water Resources of the Country

#### Mission

- To develop ground water policies, programmes and practices to monitor and enable effective use of the country's ground water resources in a sustainable manner with active involvement of all stakeholders.
- To put into place scientific system and practices, which would result in sustained increase in ground water use efficiency.
- To disseminate information, skills and knowledge, which would help in capacity building and mass awareness in ground water sector.

#### Objectives

1. Aquifer Mapping for delineation & disposition of Aquifer Systems to develop aquifer management plan.
2. Periodic long term monitoring of ground water regime for creation of time series data base through existing and enhanced ground water observation wells.
3. Capacity building in all aspects of ground water development and management through training, information dissemination, education and awareness.
4. To enhance ground water sustainability through artificial recharge and rainwater harvesting as a measure for checking the depleting trend of ground water.
5. Regulation of ground water development and sustainable management of ground water resources in coordination with State Government Organizations.
6. Promoting R&D programme in the field of ground water quality improvement.
7. Technical assistance to defence and Govt. organizations for identification of ground water sources for their Water supply.

## Functions

1. Aquifer Mapping through Data collection, compilation, data gap analysis.
2. Data generation through hydrogeological investigation, exploration, geophysical and hydro chemical studies in priority areas.
3. Monitoring of ground water levels and water quality analysis.
4. Increasing the density of ground water observation wells.
5. Regulation and control of ground water development and management.
6. R & D studies in ground water sector.
7. Water supply investigations for Government organizations.
8. Capacity building of ground water professionals & stake holders .
9. Programmes for awareness of ground water conservation for all stake holders including school children.
10. Preparation of Reports, Maps, Brochures for information dissemination.
11. Establishing benchmarking activities of CGWB including capacity building.
12. Periodic assessment of country's dynamic ground water resources in 2 years.

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

Sl. No	Objectives	Weight (%)	Action	Success Indicator	Unit	Weight (%)	Target/Criteria Value				
							Excellent	Very Good	Good	Fair	Poor
							100%	90%	80%	70%	60%
1	Aquifer Mapping for delineation & disposition of Aquifer Systems to develop aquifer management plan	32	Data Gap analysis and data generation in priority areas like over exploited, quality affected areas etc.	i. Data compilation and data gap analysis	Lakh Sq.Km.	6	5.89	5.30	4.71	4.1	3.53
				ii.a. Hydrogeological Data Generation	Lakh Sq.Km.	7	1.30	1.17	1.04	0.91	0.78
				ii.b. Construction of Exploratory/ Observation Wells	Numbers	7	700	630	560	490	420
				ii.c. Geophysical Studies	Number of VES	4	2000	1800	1600	1400	1200
				ii.d. Collection of water samples in the year	Number of samples	4	20000	18000	16000	14000	12000
				ii.e. Water samples analyzed in the year	Number of samples	4	20000	18000	16000	14000	12000
2	Periodic long term monitoring of ground water regime for creation of time series data base through existing and enhanced ground water observation wells.	19	i. Monitoring of Ground Water regime through ground water monitoring stations, (4 times a year)	Monitoring in specific time during (May/August/November/January)	Number of Observation Wells	6	20700	18630	16560	14490	12420
			ii. Strengthening of GW Monitoring Observation Wells	Establishment of additional 3000 wells by February, 2015	No of Wells	5	3000	2700	2400	2100	1800

Sl. No	Objectives	Weight (%)	Action	Success Indicator	Unit	Weight (%)	Target/Criteria Value				
							Excellent	Very Good	Good	Fair	Poor
							100%	90%	80%	70%	60%
			iii. Compilation of data & preparation of report	Completion of reports after each monitoring period	No of days	4	30	33	36	39	42
			iv. Installation of Automatic Water Level Recorder with telemetry in Peizometer	Procurement of Automatic Water Level Recorder	Number	4	400	360	320	280	240
3.	Capacity building in all aspects of ground water development and management through training, information dissemination, education and awareness.	18	i(a). State level training for stakeholders on Water Conservation and Participatory Ground Water Management etc.	Completion of training programmes (50 nos)	Number	4	50	45	40	35	30
			i(b). National Level Training Programmes to be conducted at Rajiv Gandhi National Ground Water Training Institute	Completion of training programmes	Number	4	32	29	26	22	19
			Research on various aspects of water resources and to bring out technical reports / research papers in Indian & International journals of repute by CGWB	a. Number of reports brought out / published	Number	2	50	45	40	35	30
				b. Number of papers brought out / published – National level(CGWB)	Number	2	35	32	28	25	21

Sl. No	Objectives	Weight (%)	Action	Success Indicator	Unit	Weight (%)	Target/Criteria Value				
							Excellent	Very Good	Good	Fair	Poor
							100%	90%	80%	70%	60%
				c. Number of papers brought out / published- International Level (Papers with Impact Factor less than 2.5)	Number	2	15	13	12	11	9
			iii (a). Organising workshops/seminars/ awareness	Organizing the workshop as assigned by MoWR *	Number	2	11	10	9	8	7
			iii (b). Organising painting competition at State/National Level under IEC scheme of MoWR	Organising painting competition at State/National Level as assigned by MoWR	Number	2	35	32	28	25	21
4.	Regulation of ground water development and sustainable management of ground water resources in coordination with State Government Organizations.	3	Processing of applications for NOC for ground water extraction, as recommended by Regional offices of CGWB	Average time taken in processing of applications received for NOC	Average Time (No. of days)	3	45	50	54	58	63
5.	Identification of contaminated aquifers and promoting R&D programme in the field of ground water quality improvement.	9	Consideration of concept Report on Aquifer Contamination remediation to take up research project.	Obtaining proposals for research project for funding under INCGW	Date	4	1/02/2015	15/02/2015	1/03/2015	15/03/2015	31/03/2015

Sl. No	Objectives	Weight (%)	Action	Success Indicator	Unit	Weight (%)	Target/Criteria Value				
							Excellent	Very Good	Good	Fair	Poor
							100%	90%	80%	70%	60%
			New Research projects	Analysis of samples for geogenic contaminants like As, F, etc.	No	3	800	720	640	560	480
			Processing of R & D proposals received from agencies for sponsoring by Indian National Committee on Ground Water	Timely processing of R & D proposals after receiving comments from external reviewers	No of days	2	60	66	72	78	84
6.	Technical assistance to defence and Govt. organization for identification of ground water sources for their Water supply.	2	Investigations for augmentation of water supply as per request from defence and Govt. Organizations	No. of investigations completed as the % of requests received in year (Normally >100 nos).	Percentage	2	100	90	80	70	60
7.	To enhance ground water sustainability through artificial recharge and rainwater harvesting for checking the depleting trend of ground water.	2	Completion of Demonstrative projects for augmentation of ground water through Artificial Recharge and rainwater harvesting	Completion of structures as spill over work	Number	2	196	176	157	137	118
8.	Efficient Functioning of the RFD System	3	i. Timely submission of RFD for approval for 2015-16	On-time submission	Date	2	March 5, 2015	March, 6 2015	March, 9 2015	March, 10 2015	March, 11 2015
			ii. Timely submission of Result for 2013-14	On-time submission	Date	1	May, 1 2014	May,2 2014	May, 3 2014	May,6 2014	May, 7 2014

Sl. No	Objectives	Weight (%)	Action	Success Indicator	Unit	Weight (%)	Target/Criteria Value				
							Excellent	Very Good	Good	Fair	Poor
							100%	90%	80%	70%	60%
9.	Enhanced Transparency/Improved Service delivery of Ministry/Department	3	i. Rating from Independent Audit of implementation of Citizens/ Clients Charter (CCC)	Degree of implementation of Commitments in CCVC	%	2	100	95	90	85	80
			ii. Independent Audit of Grievance Redress Management (GRM) system	Degree of success in implementing GRM	%	1	100	95	90	85	80
10.	Reforming Administration	8	Update departmental strategy to align with revised priorities	Date	%	2	Nov. 1 2014	Nov. 2 2014	Nov. 3 2014	Nov. 4 2014	Nov. 5 2014
			Independent agreed milestones of approved Mitigation Strategies for Reduction of potential risk of corruption (MSC)	Percentage of implementation	%	1	100	90	80	70	60
			Implement agreed milestones for implementation of ISO 9001	Percentage of implementation	%	2	100	95	90	85	80
			% of Responsibility Centres with RFD in RFMS	Responsibility Centres	%	1	100	95	90	85	80
			Implement agreed milestones of approved Innovation Action Plan (IAPs)	Percentage of implementation	%	2	100	90	80	70	60



Sl. No	Objectives	Weight (%)	Action	Success Indicator	Unit	Weight (%)	Target/Criteria Value				
							Excellent	Very Good	Good	Fair	Poor
							100%	90%	80%	70%	60%
11.	Improve compliance with the Financial Accountability Framework	1	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 31.03.2014.	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 31.03.2014.	Percentage of outstanding ATRs disposed off during the year	%	0.25	100	90	80	70	60

**Section 3:  
Trend Values of the Success indicators**

Sl. No	Objectives	Action	Success Indicator	Unit	Actual value for FY 12-13	Actual value for FY 13-14	Target value for FY 14-15	Projected value for FY 15-16	Projected value for FY 16-17	
1	Aquifer Mapping for delineation & disposition of Aquifer Systems to develop aquifer management plan	Data Gap analysis and data generation in priority areas like over exploited, quality affected areas etc.	i. Data compilation and data gap analysis	Lakh Sq.Km.	0.54	2.46	5.89	-	-	
			ii.a. Hydrogeological Data Generation	Lakh Sq.Km.	0.54	0.54	1.30	-	-	
			ii.b. Construction of Exploratory/ Observation Wells	Numbers	664	649	700	800	800	
			ii.c. Geophysical Studies	Number of VES	2217	2383	2000	2000	2000	
			ii.d. Collection of water samples in the year	Number of samples	19995	21973	20000	20000	20000	
			ii.e. Water samples analyzed in the year	Number of samples	19995	21973	20000	20000	20000	
2	Periodic long term monitoring of ground water regime for creation of time series data base through existing and enhanced ground water observation wells.	i. Monitoring of Ground Water regime through ground water monitoring stations, (4 times a year)	Monitoring in specific time during (May/August/November /January)	Number of Observation Wells	15000	18200	20700	23700	31700	
			ii. Strengthening of GW Monitoring Observation Wells	Establishment of additional 3000 wells by February, 2015	No of Wells	3200	2500	3000	8000	8000
			iii. Compilation of data & preparation of report	Completion of reports after each monitoring period	No of days	35	33	30	33	33
			iv. Installation of Automatic Water Level Recorder with telemetry in Peizometers	Procurement of Automatic Water Level Recorder	Number	New Item	-	400	360	360

Sl. No	Objectives	Action	Success Indicator	Unit	Actual value for FY 12-13	Actual value for FY 13-14	Target value for FY 14-15	Projected value for FY 15-16	Projected value for FY 16-17
3.	Capacity building in all aspects of ground water development and management through training, information dissemination, education and awareness.	i(a). State level training for stake holders on Participatory Ground Water Management	Completion of training programmes	Number	36	36	50	50	50
		i(b) National Level Training Programme for ground water professionals to be organised at RGNGWTRI.	Completion of training programmes	Number	32	32	32	32	46
		ii. Research on various aspects of water resources and to bring out technical reports / research papers in Indian & International journals of repute by CGWB	a. Number of reports brought out / published	Number	180	41	50	50	50
			b. Number of papers brought out / published – National level(CGWB)	Number	49	59	35	35	35
			c. Number of papers brought out / published- International Level (Papers with Impact Factor less than 2.5)	Number		27	15	15	15
		iii (a). Organising workshops/seminars/ awareness	Organizing the workshop as assigned by MoWR*	Number	20	20	11	11	11
iii (b). Organising painting competition at State/National Level under IEC scheme of MoWR	Organising painting competition at State/National Level as assigned by MoWR	Number	35	35	35	35	35		
4.	Regulation of ground water development and sustainable management of ground water resources in coordination with State Government Organizations.	Processing of applications for NOC for ground water extraction, as recommended by Regional offices of CGWB	Average time taken in processing of applications received for NOC	Average Time (No of days)	45	45	45	45	45

Sl. No	Objectives	Action	Success Indicator	Unit	Actual value for FY 12-13	Actual value for FY 13-14	Target value for FY 14-15	Projected value for FY 15-16	Projected value for FY 16-17
5.	Identification of contaminated aquifers and promoting R&D programme in the field of ground water quality improvement.	Consideration of concept Report on Aquifer Contamination remediation to take up research project.	Obtaining proposals for research project for funding under INCGW	Date	-	Concept report submitted on 2.01.2014	01/02/15	-	-
		New Research projects	Analysis of samples for geogenic contaminants like As, F, etc.	No	New item	New item	800	-	-
		Processing of R & D proposals received from agencies for sponsoring by Indian National Committee on Ground Water	Timely processing of R & D proposals after receiving comments from external reviewers	No of days	60	66	66	66	66
6.	Technical assistance to defence and Govt. organization for identification of ground water sources for their Water supply.	Investigations for augmentation of water supply as per request from defence and Govt. Organizations	No. of investigations completed as the % of requests received in year (Normally >100 nos).	Percentage	100	100	100	90	90
7.	To enhance ground water sustainability through artificial recharge and rainwater harvesting for checking the depleting trend of ground water.	Completion of Demonstrative projects for augmentation of ground water through Artificial Recharge and rainwater harvesting	Completion of structures as spill over work	Number	366	300	196	-	-

SI. No	Objectives	Action	Success Indicator	Unit	Actual value for FY 12-13	Actual value for FY 13-14	Target value for FY 14-15	Projected value for FY 15-16	Projected value for FY 16-17
8.	Efficient Functioning of the RFD System	i. Timely submission of RFD for approval for 2015-16	On-time submission	Date	-	-	March 5, 2015	-	-
		ii. Timely submission of Result for 2013-14	On-time submission	Date	-	--	April 17, 2014	-	-
9.	Enhanced Transparency/Improved Service delivery of Ministry/Department	i. Rating from Independent Audit of implementation of Citizens/ Clients Charter (CCC)	Degree of implementation of Commitments in CCC	%	New Item	New Item	100	-	-
		ii. Independent Audit of Grievance Redress Management (GRM) system	Degree of success in implementing GRM	%	New Item	New Item	100	-	-
10.	Reforming Administration	Update departmental strategy to align with revised priorities	Date	%	-	-	Nov. 1 2014	-	-
		Independent agreed milestones of approved Mitigation Strategies for Reduction of potential risk of corruption (MSC)	Percentage of implementation	%	-	-	100	-	-
		Implement agreed milestones for implementation of ISO 9001	Percentage of implementation	%	-	-	100	-	-
		% of Responsibility Centres with RFD in RFMS	Responsibility Centres	%	-	-	100	-	-
		Implement agreed milestones of approved Innovation Action Plan (IAPs)	Percentage of implementation	%	-	-	100	-	-

Sl. No	Objectives	Action	Success Indicator	Unit	Actual value for FY 12-13	Actual value for FY 13-14	Target value for FY 14-15	Projected value for FY 15-16	Projected value for FY 16-17
11.	Improve compliance with the Financial Accountability Framework	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	%	-	-	100	-	-
		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	%	-	-	100	-	-
		Early disposal of pending ATNs on Audit Paras of C&AG Reports presented to Parliament before 31.03.2014.	Percentage of outstanding ATNs disposed off during the year	%	-	-	100	-	-
		Early disposal of pending ATRs on PAC Reports presented to Parliament before 31.03.2014.	Percentage of outstanding ATRs disposed off during the year	%	-	-	100	-	-

\*\* Target for Workshop, Mass awareness & training, painting competition to be assigned from MoWR

## Section 4:

### Acronym

<b>Sl. No.</b>	<b>Acronym</b>	<b>Description</b>
1	ATN	Action Taken Note
2	ATR	Action Taken Report
3	CGWA	Central Ground Water Authority
4	IEC	Information, Education and Communication
5	INCGW	Indian National Committee on Ground Water
6	MoWR	Ministry of Water Resources
7	NOC	No Objection Certificate
8	R&D	Research and Development
9	CGWB	Central Ground Water Board
10	RGNGWTRI	Rajiv Gandhi National Ground Water Training and Research Institute
11	IAP	Innovation Action Plan
12	MSC	Mitigation Strategies for Reduction of potential risk of corruption
13	CCC	Citizens/ Clients Charter
14	PRI	Panchayati Rajya Institution
15	RFMS	Results Framework Management System
16	RFD	Results Framework Document
17	CAG	Comptroller of Audit and General
18	PAC	Parliamentary Advisory Committee

**Description and Definition of Success Indicators  
and Proposed Measurement Methodology**

<b>Sl. No</b>	<b>Success Indicator</b>	<b>Description</b>	<b>Definition</b>	<b>Measurement</b>	<b>General comments</b>
1.	Data compilation and data gap analysis	Existing data & maps available with various Central and State organizations will be procured and compiled and the data gaps will be identified so that additional data can be generated.	The data will be relevant for the aquifer mapping like topographic, geological, geomorphological, lithological etc	5.89 Lakh Sq.Km.	The data compilation and data gap analysis is specialized task to be done by the scientist of CGWB based on that further data will be generated for aquifer mapping.
2	Hydrogeological Data Generation	The hydrogeological data generation at micro level in the priority areas will be taken up to fill the data gaps.	The hydrogeological data generation will be taken up by doing field surveys and investigations in the study area.	1.3 Lakh Sq.Km.	
3	Construction of Exploratory/ Observation Wells	The exploration is require to obtain the sub-surface aquifer disposition for 3D aquifer maps and to test the aquifer potential and quality.	Drilling of bore wells in hard rocks and tube wells in alluvium followed by pumping test to define the aquifer characteristic	700 Numbers	
4	Geophysical Studies	Geophysical studies requires field work to obtain the sub-surface detail of aquifers present in the area without going for extensive drilling	The Vertical Electrical Sounding is a method used for measuring the resistivity of under ground strata to support aquifer mapping.	2000 Number of VES	
5	Collection of water samples in the year	Water samples from wells representing different aquifers and terrains will be collected and handed over to the Chemical labs for analysis of water quality.	Water samples are to be collected as per the sampling procedures and transported safely from field to the labs.	20000 Number of samples	
6	Water samples analyzed in the year	Water quality is important parameter for its use for the specific purpose. It will be analyzed as per the standard lab procedures.	Water quality analysis of major cat ion, an ion, arsenic, fluoride or other heavy metal will be done in the area.	20000 Number of samples	



Sl. No	Success Indicator	Description	Definition	Measurement	General comments
7	Monitoring in specific time	In order to have a long term records of ground water level trained in most part of the country , a network of ground water observation well is existing with CGWB and water level are recorded by measuring each well.	Monitoring of Ground Water regime is done periodically by visiting to same ground water monitoring stations during the month of May/August/November/January.	20700 Number of Observation Wells	
8	Establishment of additional 3000 wells by February, 2015	The existing density of observation well is being increase to expend the ground water monitoring network in most of the terrains by establishing more observation wells during the 12 <sup>th</sup> Plan period.	New wells are to be selected from the available wells (private or public) by visiting to various villages and a record of each well will be documented.	3000 No of Wells	
9	Completion of reports after each monitoring period	A document of water level measured in each cycle is prepared after compiling and processing the field data for information dissemination.	The report consist of actual data and variations with respect to previous observation in the tabular and map forms.	30 No of days	
10	Procurement of Automatic Water Level Recorder	The automatic measurement of water level in selected 2500 wells is envisaged during the 12 <sup>th</sup> Plan to facilitate online and precise monitoring through suitable telemetry device .	Procurement of instruments with Telemetry devise is needed for each well. This includes processing for indent , specifications and tender document.	400 Number	
11	Completion of training programmes	Capacity building of State Govt. Functionaries is envisaged covering all aspects of ground water development and management through training and information dissemination .	i(a). State level training for stake holders on Participatory Ground Water Management	50 Number	
12	Completion of training programmes	The training programme for induction level and for specialized courses are conducted by Rajiv Gandhi Institute Raipur for CGWB / state and other organizations for capacity building of ground water professionals in India.	l(b) National Level Training Programme for ground water professionals to be organised at RGNGWTRI.	32 Number	

Sl. No	Success Indicator	Description	Definition	Measurement	General comments
13	Research on various aspects of water resources and to bring out technical reports / research papers in Indian & International journals of repute by CGWB	The scientists of CGWB are engaged for scientific studies in the field of ground water as a part of their regular assignments and also special studies and publication of reports.	a. Number of reports brought out / published	50 Number	
14	Research on various aspects of water resources and to bring out technical reports / research papers in Indian & International journals of repute by CGWB	The scientists of CGWB are engaged for scientific studies in the field of ground water as a part of their regular assignments and also special studies and publication of reports. They are encouraged to publish the research papers in standard journals of National level.	b. Number of papers brought out / published – National level(CGWB)	35 Number	
15	Research on various aspects of water resources and to bring out technical reports / research papers in Indian & International journals of repute by CGWB	The scientists of CGWB are engaged for scientific studies in the field of ground water as a part of their regular assignments and also special studies and publication of reports. They are encouraged to publish the research papers in standard journals of international level.	c. Number of papers brought out / published- International Level (Papers with Impact Factor less than 2.5)	15 Number	
16	Organising workshops/seminars/ awareness	Workshop/Seminars are organized by Scientist of CGWB on the Ground water related subject.	Organizing the workshop as assigned by MoWR*	11 Number	
17	Organising painting competition at State/National Level under IEC scheme of MoWR	Workshop/Seminars are organized by Scientist of CGWB on the Ground water related subject and spread the message judicious uses of Ground Water at Grass root level among the masses.	Organising painting competition at State/National Level as assigned by MoWR	35 Number	
18	Average time taken in processing of applications received for NOC	Industrial/infrastructure/mining projects are to obtain NOC for Ground water withdrawal as per directives of CGWA to issue NOC to them.	Timely Processing of applications for NOC for ground water extraction, as recommended by Regional offices of CGWB	45 Average Time (No of days)	

Sl. No	Success Indicator	Description	Definition	Measurement	General comments
19.	Completion of structures as spill over work	To enhance ground water sustainability through artificial recharge and rainwater harvesting for checking the depleting trend of ground water.	Completion of Demonstrative projects for augmentation of ground water through Artificial Recharge and rainwater harvesting	196 Number	
20	Obtaining proposals for research project for funding under INCGW	Consideration of concept Report on Aquifer Contamination remediation to take up research project.	CGWB has compiled a concept note on Geogenic Contamination of ground water in India with a special note on nitrate. As a follow up to this, it has been envisaged to take up research project involving academic institute and research organizations.	1/02/2015 Date	
21	Analysis of samples for geogenic contaminants like As, F, etc.	New research project	Detailed analysis of ground water samples specially in respect of contaminants like As, F etc for surveillance of ground water quality	800 Number	
23	Timely processing of R & D proposals after receiving comments from external reviewers	Under R &D Scheme of Ministry, CGWB coordinates the Ground water studies . Chairman CGWB is Chairman of Indian Committee on Ground water (INCGW).	Processing of R & D proposals received from agencies for grant-in-aid by Indian National Committee on Ground Water.	66 No of days	
24	No. of investigations completed as the % of requests received in year (Normally >100 nos).	There are request for providing technical assistance for identification of ground water sources for Water supply from various defence and Govt. organizations.	CGWB undertakes field Investigations for augmentation of water supply as per request .	100 Percentage	
25	Mandatory items				

**Section 5:**

**Specific Performance Requirements from other Departments**

Location type	State	Organization type	Organization name	Relevant Success Indicator	What is your requirement from the organization	Justification for this requirement	Please quantify your requirement from this organization	What happen if your requirement is not met
Central Government		Central and State Govt. Departments.	State & other Central Govt. Departments, Stake holders etc	i. Identification of data gap in respect of exploration, water level and draft data	The data sharing with the Central/ State Governments and other agencies for achieving the targets.	Unless the data is shared with the other Central/ State Governments and & related agencies, the target cannot be achieved.	50%	The achievements may be affected.
				Analysis of ground water samples for geogenic contaminants like As, F etc.	Analysis of samples through outsourcing	The analyses are proposed to be outsourced as per the EFC memo.	100%	The achievement will not be as projected
All States	Others	Others	Academic Institutions and Research Organizations etc.	Obtaining research proposals	Academic Institutes, Research organizations are required to submit research proposals in the proper format.	Research is proposed to be carried out through other organization.	100%	The achievement will not be as projected

**Section 6: Outcome / Impact of activities of Department / Ministry**

Sl. No	Outcome /Impact of activities	Jointly responsible for influencing this outcome/imp act with the following Department(s) / Ministry(ies)	Unit	Success indicator(s)	2012-13	2013-14	2014-15	2015-16	2016-17
1	Aquifer Mapping under Ground Water Management & Regulation	MoWR/CGWB, State & other Central Govt. Departments, Stake holders etc							
	Cumulative Area for which aquifer maps have been published on scale of 1:50,000		Lakh Sq.Km.	Preparation of Aquifer Map	-	-	-	1.08	1.30
	The aquifer maps will enable formulation of ground water management plan based on the scientifically delineated aquifers disposition and its characterization. This will be beneficial to the ground water users and stack holders for sustainable management of ground water in long term.		Lakh Sq.Km.	a. Identification of data gap in respect of exploration, water level and draft data	1.12	1.02	1.30	-	-
			Number	<b>b. Data Generation</b> i. Construction of Exploratory/ Observation Wells	664	649	700	800	800
2	Periodic long term monitoring of ground water regime for creation of time series data base through existing and enhanced ground water observation wells.	CGWB/MoWR	Number of Observat ion Wells	Monitoring in specific time during (May/August/November /January)	15000	18200	20700	27700	35700
	<b>Outcome/Impact-</b> Ground water regime and quality monitoring of around 17000 wells each year will provide long term trend of ground water depletion in different terrains and will be useful input for policy planning for ground water development and management programmes in the country.		No of Wells	Establishment of additional 7000 wells by February, 2015	3200	2500	3000	8000	8000
			No of days	Completion of reports after each monitoring period	35	33	30	33	33
			Number	Procurement of Automatic Water Level Recorder	New Item	-	400	360	360

Sl. No	Outcome /Impact of activities	Jointly responsible for influencing this outcome/imp act with the following Department(s) / Ministry(ies)	Unit	Success indicator(s)	2012-13	2013-14	2014-15	2015-16	2016-17
3	Capacity building in all aspects of ground water development and management through training, information dissemination, education and awareness.	CGWB/MoWR/ State Agencies, Academic/ Research Institutions	Number	Completion of training programmes	36	36	50	50	50
	Number		Completion of training programmes	32	32	32	32	46	
4.	Regulation of ground water development and sustainable management of ground water resources in coordination with State Government Organizations- Processing of applications for NOC for ground water extraction.	CGWA/CGWB	Average Time (No of days)	Average time taken in processing of applications received for NOC	45	45	45	45	45
	Outcome/Impact- Regulation of ground water development and management in the country will result in arresting the trend of depletion.								
5	Identification of contaminated aquifers and promoting R&D programme in the field of ground water quality improvement.	CGWB/MoWR/ State Agencies, Academic/Research Institutions	Date	Obtaining proposals for research project for funding under INCGW	-	Concept report submitted on 2.01.2014	01/02/15	-	-

Sl. No	Outcome /Impact of activities	Jointly responsible for influencing this outcome/imp act with the following Department(s) / Ministry(ies)	Unit	Success indicator(s)	2012-13	2013-14	2014-15	2015-16	2016-17
	<b>Outcome/Impact-</b> The Central Ground Water Board is chairing a sub-committee of Indian National Committee on Ground Water ( INCGW ), on R&D in ground water with a view to accelerate the development programme in ground water sector and giving due consideration to increased need of taking up research in the field of ground water.		No	Analysis of samples for geogenic contaminants like As, F, etc.	New item	New item	800	-	-
			No of days	Timely processing of R & D proposals after receiving comments from external reviewers	60	66	66	66	66
6	Technical assistance to defence and Govt. organization for identification of ground water sources for their Water supply. <b>Outcome/Impact-</b> Assisted Central / State Govt. organizations to meet their water supply requirements through water supply investigations. Increasing awareness, capacity building and dissemination of information in all aspects of ground water resource.	CGWB /MoWR	Percentage	No. of investigations completed as the % of requests received in year (Normally >100 nos).	100	100	90	90	90
7	To enhance ground water sustainability through artificial recharge and rainwater harvesting for checking the depleting trend of ground water. <b>Outcome/Impact-</b> The demonstrative artificial recharge will help to promote the appropriate recharge structures in various terrains, based on the hydrogeological and related scientific inputs, for better ground water management and for augmentation of depleting aquifers in over exploited and critical blocks.	State Implementing agencies	Number	Completion of structures as spill over work	366	300	196	-	-