

R F D

Results Framework Document

for

NARMADA CONTROL AUTHORITY (2010-2011)

SECTION 1

VISION , MISSION, OBJECTIVES AND FUNCTIONS

VISION:

To promote integrated and optimum development of waters of inter-state Narmada Basin for irrigation, Power, domestic and industrial use in the states of Madhya Pradesh, Gujarat, Maharashtra and Rajasthan.

MISSION :

The constitution empowered the Parliament to make such provisions as it think fit for adjudication of any disputes regarding sharing of resources of inter-state rivers and river valleys. Under the provision of the Interstate Water Dispute Act of 1956 the Narmada Water Dispute Tribunal was constituted in the year 1969. The final order and directions of Narmada Water Dispute Tribunal was published in the official Gazette by the Central Govt. on 12th Dec. 1979. The Narmada Control Authority was constituted to give effect to the decision of the Narmada Water Dispute Tribunal.

OBJECTIVES :

Narmada Control Authority has been constituted to carry out following activities necessary, sufficient & expedient for implementation of the provision of NWDT Award & Ensuring faithful compliance of the terms and conditions stipulated by the Central Government at the time of clearance of the two major Narmada projects viz Indira Sagar & Sardar Sarovar Project. Concerning Environmental protection major, relief & rehabilitation work of people to be affected by SSP. These are as follows:

- (i) the storage, apportionment, regulation and control of the Narmada Waters.
- (ii) Sharing of power benefits from Sardar Sarovar Project.
- (iii) Regulated releases by Madhya Pradesh.
- (iv) Acquisition by the concerned States for Sardar Sarovar Project of lands and properties likely to be submerged under Sardar Sarovar.
- (v) Compensation and rehabilitation and settlement of oustees; and
- (vi) Sharing of costs.
- (vii) Environmental Protection Measures.

To facilitate accomplishment of the above mission, NCA has constituted

discipline based Committees, Sub Committees and Sub Groups which are headed by officers of the rank of Secretary, Additional Secretary and Joint Secretary to Government of India and are represented by Members from beneficiary States, Government of India Departments, expert organizations and Non-Governmental persons which are stakeholders in the vision and charter of NCA.

FUNCTIONS :

The main functions of authorities comprises overall coordination & direction of the implementation of all the projects including the Engineering works of Narmada Basin, sharing of power & water, the Environmental protection majors, the rehabilitation programme, proper management of water in accordance with the order of the Tribunal, establishment, maintenance & operation of an effective system of flood forecasting & flood control and telecommunication systems in Narmada Basin etc. The wing wise functions of the authority is briefly described below:

(A) Secretariat & Engineering aspects: without prejudice to the generality of the foregoing objectives, the functions as given in Narmada Water Scheme are as follows:-

i) Madhya Pradesh or Gujarat as the case may be shall submit to the Authority the Sardar Sarovar Project Report, the Narmada Sagar Project Report, the Omkareshwar Project Report and the Maheshwar Project Report. The Authority shall point out to the States concerned, the Central Water Commission, the Central Electricity Authority and Planning Commission any features of these projects which may conflict with the implementation of the Orders of the Tribunal. Any subsequent changes in the salient features or substantial increase in cost in respect of dams, power houses and canal headworks shall be reported to the Authority for taking appropriate action in the matter.

- ii) The Authority shall decide the phasing and shall coordinate construction programmes of the Narmada Sagar Project and Sardar Sarovar Unit-II Canals with a view to obtaining expeditiously optimum benefits during and after the completion of the construction of the projects having due regard to the availability of funds.
- iii) The Authority shall obtain from the concerned States periodical progress reports both as to works and expenditure, and shall on receipt of such reports review the progress of construction of different units of the projects and @ whenever necessary advise the State concerned on the steps to be taken to expedite the work, except in respect of Unit-I Dam and Appurtenant Works and Unit-III Power Complex of Sardar Sarovar Project. The States shall submit completion reports to the Authority in respect of projects referred to in subparagraph (3) (i).
- iv) The Authority shall issue appropriate directions whenever necessary for timely and full compliance by the concerned States within the Orders of the Tribunal in the matter of acquisition for and making available to Gujarat lands and properties likely to be submerged under the Sardar Sarovar Project and in the matter of compensation and rehabilitation of oustees there under.
- v) The Authority shall cause to be established maintained and operated by the State Governments concerned or any one or more of them, such stream and other gauging stations, equipped with automatic recorders, where necessary, discharge, silt and evaporation observation stations and measuring devices @ as may be necessary from time to time for securing the records required for carrying out the provisions of the orders of the Tribunal. If deemed necessary, the Authority may require the installation, maintenance and operation by the State concerned of measuring devices of approved type at the head of main Canals as also at the off take of the canal for Rajasthan for measuring amount of water diverted from Narmada river system.
- vi) Concurrent records shall be kept of the flow of the Narmada at all Stations considered necessary by the Authority and the records correlated.
- vii) The Authority shall frame rules of regulation and water accounting as per guidelines given in Clause IX of the order of the Tribunal. It shall determine the share of water of each State for every ten-day period for purposes of regulation and water accounting.

- viii) The Authority shall ensure implementation of the orders of the Tribunal in respect of (a) quantum and pattern of regulated releases by Madhya Pradesh; (b) Payment for such regulated releases and sharing of costs.
- ix) The Authority shall collect from the State concerned data for the areas irrigated by Narmada Waters in each season, of power generated at each hydro-electric power station at and downstream of Narmada Sagar, of withdrawals for domestic, municipal and industrial or any other purposes and of waters going down the river from Sardar Sarovar Project.
- x) The Authority shall determine the volume of water flowing in the river Narmada and its tributaries in a water year (1st July of a year to the 30th June of the next year).
- xi) The Authority shall determine from time to time the volume of water stored by each State in reservoirs and other storages and may for that purpose adopt any device or method.
- xii) The Authority shall determine at appropriate periodic intervals the use of Narmada Water made by the states, or such of them as necessary, at any place or in any areas at any time and for that purpose it may take note of all diversions or obstructions, whether natural or artificial or partly natural and partly artificial, from the river Narmada and its Tributaries and measure such use by any method as it deems fit.
- xiii) The Authority or any of its duly authorized representative shall have power to enter upon any land and property upon which any project or development of any project, or any work of gauging, evaporation or other hydrological station or measuring device has been or is being constructed, operated or maintained by any State for the use of Narmada water. Each State through its appropriate departments shall render all cooperation and assistance to the Authority and its authorized representatives in this behalf.
- xiv) The Authority shall meet as often as necessary and decide on a proper management of waters including in particular the manner and details of withdrawals of waters from the storages on the Narmada river system in accordance with the orders of the Tribunal. In particular, the Authority shall meet at the end of the filling season, and review the availability of waters in the storages on the Narmada river system and decide upon the pattern of their regulation for the next irrigation season, taking into account the carry over storage.

xv) The Authority shall give directions for a phased program of construction for generation and transmission of power in fulfillment of the shares of power allocated to the three States of Madhya Pradesh, Maharashtra and Gujarat from Sardar Sarovar and for payments therefore in accordance with the Orders of the Tribunal. The Authority shall also ensure that generation and transmission of power from Sardar Sarovar Complex are in accordance with the Orders.

xvi) The Authority shall issue appropriate directions for establishment, maintenance and operation of an effective system of flood forecasting and flood control including reporting of heavy precipitation and telecommunication systems. The safety of a structure shall primarily be the responsibility of the Chief Engineer incharge of the structure and no decision or order shall be binding on him if in his opinion the safety of the structure will be endangered thereby. The Authority shall publish annually and make available to party States the data regarding operation of reservoirs during floods.

(B) Functions of various Sub groups/Sub committee of NCA

(i) Hydromet Sub group

- a. Evolving a network of data collecting stations for appropriate assessment of the available water resources in the basin using automated instruments.
- b. Evolving a telecommunication network for real time transmission of data and a computer system for data processing.
- c. Preparation of an operation and maintenance plan for the Hydromet system.
- d. Monitoring, implementation of the Hydromet Network including telecommunication and computer system.
- e. Evolving suitable software/ methodology for flood forecasting & Reservoir regulation.

(ii) Sardar Srovar Reservoir Regulation Committee

- a. Releases Ex. Maheshwar and likely inflow/water levels in the Sardar Sarovar during the coming month.

- b. Preparation of working table for operation of Sardar Sarovar Reservoir.
- c. Irrigation requirements of GoG & GoR during the coming month (weekly/ten daily).
- d. Requirement for operation of IBPT, if any, to meet the requirement of irrigation of GoG /GoR.
- e. Permitted withdrawals for irrigation.
- f. Requirement of water use downstream of the Sardar Sarovar Project (Mandatory /against the indent of GoG).
- g. Water Accounting – Account of the water utilization by each of the party States during the water year upto end of previous month and the proposed utilization during the coming month.
- h. Likely generation of power through CHPH and RBPH during the month.
- i. Working out the loss of power due to running of IBPT.

(iii) Narmada Main Canal Sub committee

- a. To decide the phasing and to co-ordinate construction programmes of Sardar Sarovar Project Unit-II Canals with a view to obtaining expeditiously optimum benefits during and after the completion of the construction of the project having due regard to the availability of funds.
- b. Obtaining from the concerned States periodical progress reports both as to works and expenditure, and on receipt of such reports review the progress of construction of different sub-units of the project (Unit-II) and whenever necessary advise the States concerned on the steps to be taken to expedite the works.
- c. Scrutiny and approval of design of the Narmada Main Canal.
- d. Resolving differences, if any, arising between Rajasthan and Gujarat on figures of cost in respect of Narmada Main Canal for the purpose of sharing of cost.

(iv) Power Sub committee

- a. Monitoring of power and energy generation/Transmission of Sardar Sarovar Project (SSP) power House Complex and ensuring the sharing among the beneficiary States.
- b. Matters related to O&M of Sardar Sarovar Project (SSP) power House Complex & optimization of power generation etc.
- c. To review the safety aspects of of Sardar Sarovar Project (SSP) power House Complex.

(v) Environment Sub group

Ensuring planning and implementation of environmental safeguard measures pari-passu with progress of works on projects (Sardar Sarovar & Indira Sagar) and treatment of the catchment area ahead of impoundment.

- a. To Work out the environmental safeguard measures to be planned and implemented for the entire Narmada Basin so that environmental safeguard measures are executed and remain fully in consonance with the clearance accorded to the Narmada Sagar and Sardar Sarovar Projects.
- b. To Determine the terms of reference of required surveys and studies necessary for implementation of environmental safeguard measures inclusive of data base required, the methods by which the data base is to be prepared and also to identify the institutions/individuals to undertake the preparation of such documents.
- c. To get prepared for clearance by the Ministries and NCA the action plans with regard to all environmental safeguard measures and the assessment criteria thereof.
- d. To Devise a suitable monitoring and evaluation mechanism so that the action plans are effectively implemented in consonance with stipulations at the time of clearance of the projects.

- e. To Assess the necessary organisation with management capability being set up for adequate implementation of environmental safeguard measures.
- f. To Undertake all measures necessary towards planning and implementation of environmental safeguard measures.

(vi) Environment Committee:-

To assess and ascertain the *pari passu* compliance of Environmental safeguard measures, by undertaking field visits to SSP and ISP

(viii) R&R Sub-group of NCA;

Monitoring & Assessment of Resettlement & Rehabilitation (R&R) works concerning SSP, ISP, ISP & OSP canal projects.

- a. To Monitor the progress of Land Acquisitions in respect of submergence of Sardar Sarovar Project (SSP).
- b. To Monitor the progress of implementations of the action plan of rehabilitation of Project Affected Families (PAFs) in the affected villages of Sardar Sarovar Project (SSP) in concerned States.
- c. To Review the R&R Action Plan from time to time in the light of results of the implementations.
- d. To Review of reports of the agencies entrusted by each of the State in respect of Monitoring & Evaluations of the progress the matter of Resettlement & Rehabilitation (R&R).
- e. To Monitor & Review implementations of resettlement and rehabilitations programmes *pari-passu* with the raising of dam height keeping in view the clearance granted of SSP from environmental angle by Government of India & Ministry of Environment & Forests (MOE&F).
- f. To Coordinate State/Agencies involved in the R&R programmes of SSP.
- g. Under take any or all activities in the matter of resettlement and rehabilitations pertaining to SSP.
- h. Compliance of the directions of Hon'ble Supreme Court of India, New Delhi in the IAs No. 4,7,10, & 11 in Writ Petition No. (Civil) 328 of 2002 dated 15.3.2005, the R&R Sub-group of NCA to monitor & review implementation of order by Party States.

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- i. Compliance to the directions of Hon,ble High Court of Madhya Pradesh at Jabalpur in the Writ Petition (Civil) No. 3022 of 2005 dated 8.9.2006 concerning Indira Sagar Project (ISP) submergence the R&R Sub-group of NCA and undertake field study and apprise the Grievances Redressal Authority (GRA) with regard to the Grievances of the affected persons.
- j. To Compliance to the directions of Hon'ble Prime Minister, order dated 8.7.2006.
- k. To review the progress of Resettlement & Rehabilitation (R&R) in the light of the report of the Relief & Rehabilitation Over Sight Group (OSG) concerning Sardar Sarovar Project (SSP).
- l. To Compliance of the directions of Hon'ble High Court of MP, Jabalpur in the Writ Petition (Civil) No. 6056 of 2009 dated 11.11.2009 concerning Indira Sagar and Omkareshwar canal Projects.

(viii) Task Force of NCA concerning R&R of SSP

- a. Review, monitoring & assessment of R&R activities & resolution of field level Inter State R&R problems & disputes.

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%
Overall Coordination, monitoring, direction & implementation of the order of the Tribunal	20	Meeting of NCA	Meeting	Number	12	2	1	--	--	0
		Preparation Of Annual Report & placing on the table of Parliaments	Report	Number	4	1	--	--	--	0
		Preparation of Annual account & its audit	Report of inspection	Number	3	2	--	--	--	0
		Publications such as Narmada Ghati Vikas Patrika, Anubhuti	Periodic	Number	1	5	4	3	2	1

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Section 2: (Contd.)

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
Storage apportionment, regulation and control of Narmada Waters, sharing of water, regulated releases by Madhya Pradesh, establishment, maintenance & operation of an effective system of flood forecasting & flood control system etc.	30	Regulation of Sardar Sarovar reservoir for apportionment of water for different uses.	Meetings	Number	4	4	3	2	1	0
		Ten Daily Review of Sardar Sarovar Reservoir Operation & allocation of water for power generation through RBPH	On time review	Number	4	36	34	32	30	24
		Collection, compilation & dissemination of hydrometeorological data of Narmada River Basin	On time submission	Number	3	350	320	300	280	250
		Preparation of Annual water account	Publication	Data	6	31/12/2010	31/3/2010	31/4/2011	31/5/2011	31/6/2011
		Hydromet Network Sub group	Meeting	Number	3	2	1	0	0	0
		operation & maintenance of Real Time Data Acquisition System (RTDAS)	Real time communication	%	4	100	95	90	85	80
		Monitoring of progress in construction of Narmada main canal & meeting of NMC Sub Committee	Meeting	Number	3	1	1	0	0	0
		Bringing of half yearly status report of Narmada Main Canal	Publication	Number	3	2	1	0	0	0

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Section 2: (Contd....)

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
Sharing of Power benefits and operation of Energy Management Centre	15	Meeting of Power Sub Committee	Meeting	Number	5	2	1	--	--	0
		Other coordination meeting i.e. O.C.C., WRPC, Tech. Coord. and commercial committee	Meeting	Number	5	24	20	16	12	8
		Issue of daily reports from Energy Management Centre i.e. daily plan report, declared capacity report of SSP.	Daily	percentage	5	100	99	98	97	96

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Section 2: (Contd....)

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
Overall coordination and direction of the implementation of all the Environmental Protection Measures for ensuring compliance with conditions on which clearance of the project was given including <i>taking of ameliorative and compensatory measures for environmental protection</i>	15	Review of progress by Environment Sub-group	Periodic Meetings	Numbers	08	2	1	--	--	0
		Monitoring of Action plan for balance works of ESM	Progress Reports	Number	4	4	3	2	1	0
		Field visits to SSP & ISP areas for removing bottleneck in smooth implementation of the Environmental Safeguard Measures during pre/ post construction stage in upstream water body/ command area/ downstream areas & implementation of Hon'ble High Court directions etc..	Field Visit Reports / Status Reports.	Numbers	3	3	2	1	--	0

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Section 2:(Contd....)

Objective	Weight	Action	Success Indicator	Unit	Weight	Target /Criteria Value				
						Excellent	Very good	Good	Fair	Poor
						100%	90%	80%	70%	60%
<ul style="list-style-type: none"> Overall coordination of directions of the implementation of all the requirements for Resettlement & Rehabilitation (R&R) of the PAFs as stipulated in the Narmada Water Disputes Tribunal (NWDT) Award their decision & final orders concerning Sardar Sarovar Project (SSP) Compliance to the directions of Hon'ble Supreme Court concerning SSP. Compliance to the direction of Hon'ble High Court Jabalpur, concerning Indira Sagar Project (ISP) dam submergence 	20	Review of progress by R&R Sub-group & follow up of the directions/decisions (R&R Sub-group meeting)	Periodic meetings	No.	8	3	2	1	1	0
		Review, monitoring & assessment of R&R activities & resolution of field level inter-state R&R problems/ disputes (Task Force meeting)	Periodic meetings	No.	2	4	3	2	1	0

Section 2:(Contd....)

<ul style="list-style-type: none"> Compliance to the directions of Hon'ble High Court Jabalpur, MP concerning Indira Sagar Project (ISP) & Omkareshwar (OSP), Canal projects. 	Meetings/ consultations with Grievance Redressal Authority (GRA) , (SSP) of Party States, GRA, ISP & OSP in M.P.	Periodic meetings	No.	2	4	3	2	1	0	
	Field visit to R&R sites & submergence villages of SSP for assessing ground realities associated with implementation of R&R activities for removing bottlenecks to ensure smooth implementations of NWDT Award, Hon'ble Supreme Court/ High Court/ PM /OSG directions/ recommendations	Field visit	No.	2	5	4	3	2	1	
	Filed visit to ISP submergence area/ISP & OSP canals for smooth implementations of Hon'ble High Court direction.	field visit	No.	2	5	4	3	2	1	
	ATR concerning SSP& quarterly progress report of ISP & OSP canal projects in compliance to the implementation of NWDT Award /Hon'ble Supreme Court/High Court directions	Periodic meetings	Monitoring report by NCA & progress report by Party States		2	75	70	65	60	50
	Assisting/coordinating on going Court cases pending before the Supreme Court /High Court (about 5 No.)	Hearing Reply, affidavit, reports etc.			2	2	1	1	1	0

Section 3:

TREND VALUES OF THE SUCCESS INDICATORS

Objective	Action	Success Indicator	Unit	Actual value for FY 08/09	Actual value for FY 09/10	Target for FY 10/11	Projected Value 11/12	Projected Value 12/13
Overall Coordination, monitoring, direction & implementation of the order of the Tribunal	Monitoring of progress in construction of Narmada main canal & meeting of NMC Sub Committee Bringing of half yearly status report of Narmada Main Canal	Meeting Publication	Number Number	2	1	2	2	2
	Preparation Of Annual Report & placing on the table of Parliaments	Report	Number	1	1	1	1	1
	Preparation of Annual account & its audit	Report of inspection	Number	1	1	1	1	1
	Publications such as Narmada Ghati Vikas Patrika, Anubhuti	Periodic	Number	5	5	5	5	5

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Section 3:(Contd...)

Objective	Action	Success Indicator	Unit	Actual value for FY 08/09	Actual value for FY 09/10	Target for FY 10/11	Projected Value 11/12	Projected Value 12/13
Storage apportionment, regulation and control of Narmada Waters, Sharing of water regulated releases by Madhya Pradesh, establishment, maintenance & operation of an effective system of flood forecasting & flood control system etc.	Regulation of Sardar Sarovar reservoir for apportionment of water for different uses.	Meetings	Number	2	3	4	4	4
	Ten Daily Review of Sardar Sarovar Reservoir Operation & allocation of water for power generation through RBPH	On time review	Number	36	36	36	36	36
	Collection, compilation & dissemination of hydrometeorological data of Narmada River Basin	On time submission	Number	100	90	80	70	60
	Preparation of Annual water account	Publication	Data	1	1	1	1	1
	Hydromet Network Sub group	Meeting	Number	2	2	2	2	2
	Operation & maintenance of Real Time Data Acquisition System (RTDAS) about 22 sites	Real time communication	Percentage	100	90	80	70	60
	Monitoring of progress in construction of Narmada main canal & meeting of NMC Sub Committee	Meeting	Number	1	2	2	2	2
	Bringing of half yearly status report of Narmada Main Canal	Publication	Number	2	2	2	2	2

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Section 3: (Contd...)

Objective	Action	Success Indicator	Unit	Actual value for FY 08/09	Actual value for FY 09/10	Target for FY 10/11	Projected Value 11/12	Projected Value 12/13
Sharing of Power benefits and operation of Energy Management Centre	Meeting of Power Sub Committee	Meeting	Number	1	2	2	2	2
	Other coordination meeting i.e. O.C.C., WRPC, Tech. Coord. and commercial committee	Meeting	Number	24	24	24	24	24
	Issue of daily reports from Energy Management Centre i.e. daily plan report, declared capacity report of SSP	Daily	percentage	730	730	730	730	730

Section 3:(Contd...)

Objective	Action	Success Indicator	Unit	Actual value for FY 08/09	Actual value for FY 09/10	Target for FY 10/11	Projected Value 11/12	Projected Value 12/13
Overall coordination and direction of the implementation of all the Environmental Protection Measures for ensuring compliance with conditions on which clearance of the project was given including <i>taking of ameliorative and compensatory measures for environmental protection</i> .	Review of progress by Environment Sub-group	Periodic Meetings	Numbers	2	1	3	3	3
	Monitoring of Action plan for balance works of ESM	Progress Reports	Number	2	2	2	2	2
	Field visits to SSP & ISP areas for removing bottleneck in smooth implementation of the Environmental Safeguard Measures during pre/ post construction stage in upstream water body/ command area/ downstream areas & implementation of Hon'ble High Court directions etc.	Field Visit Reports / Status Reports.	Numbers	4	1	3	3	3

Section -3(Contd...)

Objective	Action	Success Indicator	Unit	Actual value for FY 08/09	Actual value for FY 09/10	Actual value for FY 10/11	Actual value for FY 11/12	Actual value for FY 12/13
<ul style="list-style-type: none"> • Overall coordination of directions of the implementation of all the requirements for R&R of the PAFs as stipulated in the NWDT Award their decision & final orders concerning SSP • Compliance to the directions of Hon'ble Supreme Court concerning SSP. • Compliance to the direction of Hon'ble High Court Jabalpur, concerning ISP dam submergence • Compliance to the directions of Hon'ble High Court Jabalpur, MP concerning ISP & OSP Canal projects. 	Review of progress by R&R Sub-group & follow up of the directions/decisions (R&R Sub-group meeting)	Periodic meetings	Nos.	4	1	3	3	3
	Review, monitoring & assessment of R&R activities & resolution of field level inter-state R&R problems/ disputes (Task Force meeting)	Periodic meetings	Nos.	2	3	3	3	3
	Meetings/ consultations with GRA, (SSP) of Party States, GRA, ISP & OSP in M.P.	Periodic meetings	Nos.	1	3	2	2	2
	Field visit to R&R sites & submergence villages of SSP for assessing ground realities associated with implementation of R&R activities for removing bottlenecks to ensure smooth implementations of NWDT Award, Hon'ble Supreme Court/ High Court/ PM /OSG directions/ recommendations.	Field visit report status report	Nos.	60 field visit by six R&R monitoring teams average 10 per team	5	5	5	5

Section -3(Contd...)

Objective	Action	Success Indicator	Unit	Actual value for FY 08/09	Actual value for FY 09/10	Actual value for FY 10/11	Actual value for FY 11/12	Actual value for FY 12/13
	Filed visit to ISP submergence area/ISP & OSP canals for smooth implementations of Hon'ble High Court direction	Field visit report status report	Nos.	2	4	5	5	5
	ATR concerning SSP & quarterly progress report of ISP & OSP canal projects in compliance to the implementation of NWDT Award /Hon'ble Supreme Court High Court directions	Field visit report status report	Percentage	75	50	70	70	70
	Assisting/coordinating ongoing Court cases pending before the Supreme Court /High Court (about 5 No.)	Hearing reply affidavit, reports etc.	Nos.	2	2	2	2	2

Section-4

Description and definition of success indicators and proposed measurement methodology

Under Clause XIV of its Final Order and Decision of December, 1979, the Tribunal has ordered setting up of a machinery for implementing its directions and decisions. Accordingly, the Central Government framed the Narmada Water Scheme, inter-alia, constituting the Narmada Control Authority (NCA) and the Review Committee for NCA (RCNCA) to give effect to the decisions of the Tribunal and notified the same in the Ministry of Irrigation Notification No. S.O.770 (E) of the 10th September, 1980. The Authority started functioning from the 20th December, 1980. The question of regulated and orderly development of Narmada Valley and the Indira Sagar (Narmada Sagar), Sardar Sarovar and other projects planned in the Narmada Basin was further discussed with the State Governments concerned and agreement was reached inter-alia to enlarge the role and strengthen the composition of NCA and RCNCA so as to take such measures as are necessary and expedient for the protection of the environment and prepare schemes for the welfare and rehabilitation of the oustees and other affected persons. The Narmada Water Scheme (September, 1980) was modified in 1987 to give effect to the above agreement among the party States. Some more amendments to the scheme were further brought out by the Government of India (GOI) from time to time based on the agreements among the party States.

Subsequently the role of Authority was further enlarged due to the judgement of Hon'ble Supreme Court dated 18.10.2000 in the matter of civil writ petition No. 319/94. The two important subgroups of NCA i.e. Environment & R&R in consultation with Grievances redressal Authorities of party States, were vested with the duties to give clearances to the further raising of Sardar Sarovar Dam at each stage of construction and based on these clearances, the Narmada Control Authority is required to permit further construction.

The Hon'ble High Court of Madhya Pradesh had directed the R&R officials to assist the GRA of Indira Sagar Project in the redressal of the Grievances of PAFs. Subsequently the Hon'ble High Court of Madhya Pradesh in W.P. 6056/2009 had directed the NCA to ensure that the directions regarding the command area development plan and providing R&R benefits to the canal affected families of Indira Sagar and

Omkareshwar are implemented by Govt. of Madhya Pradesh and that the environmental safeguards and rehabilitation measures are planned and implemented pari-passu with the works of Indira Sagar and Omkareshwar Canal Projects and to submit quarterly reports to the High Court. The Hon'ble Supreme Court has partially stayed above decision of Hon'ble High Court but quarterly reports are being submitted to the Hon'ble High Court.

The NCA is also setting up a hydrometeorological network alongwith a Real Time Data Acquisition System for an initial phase of 26 stations and one Master Computer Centre. M/s ECIL was given the above contract on turnkey basis. The NCA has taken over 22 remote stations under the contract and the contract has since been foreclosed. The CWC has been entrusted with the work on deposit basis for running and maintenance and collection of hydrological data for 6 stations. The operation of Sardar Sarovar reservoir and storage, apportionment, regulation and control of Narmada water is carried out by two subgroups of NCA i.e. Hydromet Subgroup and Sardar Sarovar Reservoir Regulation Committee.

The NCA officials from Environmental & R&R Sub-group are also undertaking field visits for monitoring of canals for Indira Sagar and Omkareshwar Project. The Narmada main canal sub-committee is responsible for reviewing the progress of construction of Narmada main canal.

Success indicators :

The NCA and its sub-group are working to accomplish various function and duties assigned as given above through organizing meetings where decisions on various issues are taken in consultation and full association of the officials from the party States. Annual target of holding such meetings are fixed but actual convening of meeting depend on the need depending upon agenda items required to be discussed in these meetings. Hence periodic meeting and number of meeting are the success indicators in most of the cases.

As the NCA officials are required to undertake field visits for the purpose of monitoring of canals, R&R sites, R&R of PAFs and

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Environmental safeguard measures, number of field visits undertaken by them has been taken as success indicators.

For preparation of reports, ATRs and quarterly reports, number of reports brought out/issued has been taken as success indicators. Percentage of target achieved represent success indicators in respect of daily reports from power wing, number of RTDAS stations successfully transmitting the hydrometeorological data.

Whereas in case of court cases pending before the Hon'ble Supreme Court & High Court, number of hearings, reply, affidavit etc. are the success indicators.

Progress in terms of above success indicators will be watched on quarterly basis at the level of wing head and on half yearly basis at the level of head of department of NCA Secretariat.

Section -5

Specific Performance Requirements from other Departments

The Narmada projects are planned and implemented by the respective State Governments, therefore, the progress in respect of the identified actions/strategies in respect of the identified actions/strategies in respect of key objectives (a) formulation of plan, (b) compliance of the observations of appraising agencies and submission of ATR, (c) adherence to the agreed time schedule for completion of works and readiness for clearances are fully dependent on the actions taken by the State Governments. Thus it would be observed that the progress is fully dependent on series of actions to be undertaken by the respective State Governments.

The activities related to court matter can not be predicted in advance and therefore, NCA may not achieve such targets which are dependent on decision/direction yet to be delivered by hon'ble courts.

Most of the activities in respect of Environment, R&R, completion of construction of dam/canal, examination of monitoring and Evaluation reports are based on the completion of work & furnishing of relevant information by the State Governments.

All the Sub-groups and sub-committees of the Narmada Control Authority have significant representation of party States and other Central Govt. department and as such would need specific performance requirements from them.