

## NATIONAL WATER DEVELOPMENT AGENCY

### INTRODUCTION

India has substantial water resources potential, but the availability of water in various parts of the country is highly uneven. This is because of the seasonal and regional distribution of rainfall. Most of the rain occurs during the summer monsoon months. The rainfall during the remaining part of the year is very insignificant. Large areas in western, central and southern parts of India receive very low rainfall while the northern and eastern regions receive very high monsoon rains. In view of uneven distribution of rainfall over space and time, some parts of the country suffer from fury of recurring floods whereas some others from the distress of chronic droughts year after year. The occurrence of recurring droughts and floods in different parts of the country not only resulted in immense loss of life and money. This also led to the concept of why not to store floodwaters and transfer them to the drought hit needy areas. The concepts of "Garland Canal" and "Ganga - Cauvery Link", when enunciated, were found to be too expensive for a resource-strapped India. This further led to an alternative "National Perspective Plan"(NPP), prepared jointly by Ministry of Water Resources and Central Water Commission, which envisaged transfer of water from surplus areas to deficit areas after carrying out scientific studies and investigations. The National Water Development Agency (NWDA) came into existence in July, 1982, to give concrete shape to the proposals of NPP.

### FUNCTIONS OF NWDA

a) To carry out detailed surveys and investigations of possible reservoir sites and interconnecting links in order to establish feasibility of the proposal of Peninsular Rivers Development and Himalayan Rivers Development components forming part of National Perspective for Water Resources Development prepared by the then Ministry of Irrigation (now Ministry of Water Resources) and Central Water Commission.

b) To carry out detailed surveys about the quantum of water in various Peninsular River Systems and Himalayan River Systems which can be transferred to other basins/States after meeting the reasonable needs of basin/states in the foreseeable future.

- c) To prepare feasibility report of the various components of the scheme relating to Peninsular Rivers development and Himalayan Rivers development.
- d) To prepare detailed project report of river link proposals under National Perspective Plan for Water Resources Development after concurrence of the concerned States.
- e) To prepare pre-feasibility/feasibility report of the intra-state links as may be proposed by the States.
- f) To do all such other things the Society may consider necessary, incidental, supplementary or conducive to the attainment of above objectives.

## **HEAD QUARTER & ORGANISATION SET UP**

The NWDA is headed by the Director General of the rank of Additional Secretary to Govt. of India. He is the Principal Executive Officer of the Society, responsible for the proper administration of the affairs and funds of the Society and for coordination and general supervision of the day to day activities of the Society. The Headquarters of the Agency is at New Delhi. The Director General, NWDA at headquarter is assisted by Chief engineer (HQ), Director (Admn.), Director (Tech.), Director (Fin.), Director (MDU) and two Superintending Engineers. NWDA has 2 field organisations each headed by a Chief Engineer, 5 Circles each headed by a Superintending Engineer, 1 Superintending Engineer also attached to Chief Engineer (South). Further, there are 16 Divisions each headed by an Executive Engineer and 4 Sub-Divisions each headed by an Assistant Executive Engineer/Assistant Engineer.

## **STAFF STRENGTH**

The existing sanctioned staff strength of NWDA as on 31<sup>st</sup> March, 2009 is 637. Out of which 588 posts are filled and 49 posts are vacant. NWDA is following all the instructions issued from time to time by the Govt. of India regarding providing reservation in service and other benefits to Scheduled

Caste/Scheduled Tribes, Other Backward Classes, Ex-Servicemen and Physically Handicapped persons. During the year 2008-09, no SC/ST candidates were appointed by direct recruitment.

The staff strength (Group-wise) of NWDA as on 31<sup>st</sup> March 2009 indicating SC/ST/OBC/PH/Ex-servicemen/General is as under:

**The staff strength (Group-wise) of NWDA as on 31.03.2009**

Group	Sanctioned	Filled							Vacant
		SC	ST	OBC	PH	Ex. S.man	General	Total	
Group - A	68	4	-	-	-	-	59	63	5
Group - B (Gazetted)	65	10	-	1	-	-	50	61	4
Group - B (Non Gazetted)	16	3	-	-	-	-	13	16	-
Group - C	364	50	19	12	6	2	239	328	36
Group - D	124	36	10	1	2	3	68	128	4
<b>Total</b>	637	103	29	14	8	5	429	588	49

**NWDA SOCIETY**

The National Water Development Agency Society is the apex body of the National Water Development Agency and meets at least once in a year to review the progress and performance of the Agency towards the attainment of its objectives and to give such policy directions as it deems fit. The Hon'ble Union Minister of Water Resources is the President of the Society. The President exercises such powers for the conduct of the business of the Society as may be vested in him by the Society. In addition, he has powers to review periodically the work and progress of the Society and appoint Committees or Commissions for the efficient operation of the Society or to enquire into and report on the affairs of the Society and pass such orders, as he considers proper.

Since inception of NWDA, 24 Annual General Meetings of the Society have been held up to 31.03.2009. The 24<sup>th</sup> Annual General Meeting of NWDA Society was held on 09.07.2008 at New Delhi. The Hon'ble Union Minister of Water Resources presided over the meeting. The meeting was attended by Hon'ble Union Minister of State for Water Resources, Hon'ble Minister (Major & Medium Irrigation), Govt. of Andhra Pradesh, Hon'ble Minister (Irrigation), Govt. of Assam, Hon'ble Minister (Public works and Irrigation), Govt. of Haryana, Hon'ble Minister (Water Resources), Govt. of Kerala, Hon'ble Minister (Public works and Law), Govt. of Tamil Nadu and representatives from various States like Andhra Pradesh, Assam, Bihar, Chhattisgarh, Kerala, Madhya Pradesh, Haryana, Punjab, Orissa, Maharashtra, Rajasthan, Karnataka, U.P., Uttarakhand, Puducherry, Jharkhand, Tamil Nadu etc. besides representatives from Central Organizations. The agenda items on progress of works & status of studies, efforts made by NWDA for arriving at consensus amongst concerned States, Final Estimate for 2007 – 08, Budget Estimate for 2008 – 09 and XI<sup>th</sup> Plan outlay were discussed.

#### List of members of NWDA Society

1.	Union Minister for Water Resources	President
2.	Union Minister of State for Water Resources	Vice – President
3.	Member (Agri. & WR), Planning Commission	Member
4.	Chief Ministers / Ministers and Secretaries or their nominees not below the rank of Chief Engineer so nominated in – charge of Water Resources / Irrigation of the States of Andhra Pradesh, Assam, Bihar, Chhattisgarh, Gujarat, Haryana, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Orissa, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, Uttarakhand, West Bengal and Union Territory of Puducherry	Members
5.	Secretary, Ministry of Water Resources, Govt. of India	Member
6.	Secretary or his nominee not below the rank of Joint Secretary or equivalent, Ministry of Agriculture (Department of Agriculture &	Member

	Cooperation)	
7.	Secretary or his nominee not below the rank of Joint Secretary or equivalent, Ministry of Finance (Deptt. Of Expenditure)	Member
8.	Secretary or his nominee not below the rank of Joint Secretary or equivalent, Ministry of Power	Member
9.	Secretary or his nominee not below the rank of Joint Secretary or equivalent, Ministry of Science & Technology	Member
10.	Secretary or his nominee not below the rank of Joint Secretary or equivalent, Ministry of Environment & Forest	Member
11.	Secretary or his nominee not below the rank of Joint Secretary or equivalent, Planning Commission	Member
12.	Chairman, Central Water Commission	Member
13.	Chairman, Central Ground Water Board	Member
14.	Chairman, Central Electricity Authority	Member
15.	Additional Secretary, Ministry of Water Resources, Govt. of India	Member
16.	Member (WP&P), Central Water Commission	Member
17.	Member (D&R), Central Water Commission	Member
18.	Director General or his nominee not below the rank of Joint Secretary or equivalent, India Meteorological Department	Member
19.	Director General or his nominee not below the rank of Joint Secretary or equivalent, Geological Survey of India	Member
20.	Surveyor General of India or his representative, Survey of India	Member

21.	Director or his representative, National Sensing Centre	Remote Member
22.	Commissioner (PR), Ministry of Water Resources	Member
23.	Director General, National Water Development Agency	Member – Secretary

### **GOVERNING BODY**

The Governing Body (GB) of the NWDA Society under the Chairmanship of the Secretary (Water Resources), Govt. of India manages, administers, directs and controls the affairs and funds of the Society subject to the rules, bye – laws and orders of the Society and generally pursues and carries out the activities of the Society as set forth in its Memorandum of Association and in doing so, follows and implements the policy directions and guidelines laid down by the Society. Since inception of NWDA, 52 meetings of the Governing Body were held upto 31.3.2009.

The 52nd meeting of the GB of NWDA was held on 19.12.2008 at New Delhi. Shri Umesh Narayan Panjiar, Secretary (Water Resources) and Chairman, Governing Body presided over this meeting. The meeting was attended by the senior officers of NWDA, CWC, MOWR and other Central and State Government Departments.

During the meeting, various agenda items i.e. confirmation of the minutes and follow up action on the decisions taken during 51st meeting of GB, progress of work and status of studies, efforts made by NWDA for arriving at a consensus amongst the concerned States in respect of Parbati – Kalisindh – Chambal, Par – Tapi – Narmada and Damanganga – Pinjal links, Annual Report and audited accounts for the year 2007 – 08, budget estimate for the year 2007 – 08 & expenditure during 2006 – 07 etc. were discussed. GB also ratified the recruitment rules for various categories of posts, approved by Secretary (WR) being Chairman of the Governing Body. Governing Body also approved the modified financial and administrative powers of Chairman Governing Body and Director General, NWDA. Further, GB also noted the decisions taken in the 37th meeting of Technical Advisory Committee (TAC) of NWDA held on 12.09.2008 at New Delhi.

List of members of the Governing Body of NWDA

1.	Secretary, Ministry of Water Resources, Govt. of India	Chairman
2.	Secretary or his nominee not below the rank of Joint Secretary, Ministry of Finance (Deptt. Of Expenditure)	Member
3.	Secretary or his nominee not below the rank of Joint Secretary, Ministry of Power	Member
4.	Secretary or his nominee not below the rank of Joint Secretary, Ministry of Agriculture (Deptt. of Agriculture & Co-operation)	Member
5.	Secretary or his nominee not below the rank of Joint Secretary, Ministry of Science & Technology	Member
6.	Secretary or his nominee not below the rank of Joint Secretary, Ministry of Environment & Forests	Member
7.	Secretary or his nominee not below the rank of Joint Secretary, Planning Commission	Member
8.	Chairman, Central Water Commission	Member
9.	Chairman, Central Ground Water Board	Member
10.	Chairman, Central Electricity Authority	Member
11.	Additional Secretary, Ministry of Water Resources, Govt. of India	Member
12.	Member (WP&P), Central Water Commission	Member
13.	Member (D&R), Central Water Commission	Member
14.	Director General or his nominee not below the rank of Joint Secretary, India Meteorological	Member

	Department	
15.	Commissioner (PR), Ministry of Water Resources	Member
16.	Water Resources Secretary or his nominee not below the Rank of Chief Engineer, Andhra Pradesh	Member
17.	Water Resources Secretary or his nominee not below the Rank of Chief Engineer, Assam	Member
18.	Water Resources Secretary or his nominee not below the Rank of Chief Engineer, Bihar	Member
19.	Water Resources Secretary or his nominee not below the Rank of Chief Engineer, Chhattisgarh	Member
20.	Water Resources Secretary or his nominee not below the Rank of Chief Engineer, Gujarat	Member
21.	Water Resources Secretary or his nominee not below the Rank of Chief Engineer, Haryana	Member
22.	Water Resources Secretary or his nominee not below the Rank of Chief Engineer, Jharkhand	Member
23.	Water Resources Secretary or his nominee not below the Rank of Chief Engineer, Karnataka	Member
24.	Water Resources Secretary or his nominee not below the Rank of Chief Engineer, Kerala	Member
25.	Water Resources Secretary or his nominee not below the Rank of Chief Engineer, Madhya Pradesh	Member
26.	Water Resources Secretary or his nominee not below the Rank of Chief Engineer, Maharashtra	Member



27.	Water Resources Secretary or his nominee not below the Rank of Chief Engineer, Orissa	Member
28.	Water Resources Secretary or his nominee not below the Rank of Chief Engineer, Punjab	Member
29.	Water Resources Secretary or his nominee not below the Rank of Chief Engineer, Rajasthan	Member
30.	Water Resources Secretary or his nominee not below the Rank of Chief Engineer, Tamil Nadu	Member
31.	Water Resources Secretary or his nominee not below the Rank of Chief Engineer, Uttarakhand	Member
32.	Water Resources Secretary or his nominee not below the Rank of Chief Engineer, Uttar Pradesh	Member
33.	Water Resources Secretary or his nominee not below the Rank of Chief Engineer, West Bengal	Member
34.	Water Resources Secretary or his nominee not below the Rank of Chief Engineer, Puducherry	Member
35.	Director General, National Water Development Agency	Member-Secretary

#### **TECHNICAL ADVISORY COMMITTEE (TAC)**

The Governing Body of the NWDA Society has constituted a Technical Advisory Committee (TAC) of NWDA under the Chairmanship of Chairman, Central Water Commission, for examination and scrutiny of the various technical proposals framed by the Agency. Governing Body of NWDA, during its 48<sup>th</sup> meeting held on 10.3.2006 has approved inclusion of Engineer – in – Chief, Water Resources Department, Govt. of Chhattisgarh, Chief Engineer, Irrigation Department, Govt. of Uttarakhand and Engineer – in – Chief, Water Resources Department, Govt. of Jharkhand as Special Invitees in the TAC of NWDA. Accordingly, TAC of NWDA has been reconstituted by GB, NWDA during May, 2006. Since inception of NWDA, 37 meetings of TAC were held.

The 37th Meeting of the Technical Advisory Committee (TAC) of National Water Development Agency (NWDA) was held on 12.09.2008 at New Delhi under the Chairmanship of Shri A. K. Bajaj, Chairman, Central Water Commission. Members from Central Govt. Organizations and representatives of various State Govts participated during the meeting. Under the Peninsular Component of NPP, Feasibility Reports of the 9 link system from Mahanadi – Godavari – Krishna – Pennar – Cauvery – Vaigai – Gundar linkage system and pre – feasibility report of Jogighopa – Tista – Farakka link project under the Himalayan Component of NPP were discussed and deliberated during the meeting. Pilot study for ground water recharge from interbasin water transfer proposals (Rajasthan – Sabarmati link) by CGWB was also discussed. During the meeting it was also agreed that technical guidelines for preparation of Prefeasibility / Feasibility Reports already approved by the TAC in 1996 for inter-basin water transfer proposals may be followed for Intra state link proposals as prepared by NWDA.

#### List of members of the TAC of NWDA

1. Chairman, Central Water Commission, New Delhi      Chairman
2. Member (WP&P), Central Water Commission, New Delhi      Member
3. Member (D&R), Central Water Commission, New Delhi      Member
4. Member (HE), Central Electricity Authority, New Delhi      Member
5. Joint Secretary, Deptt. Of Agriculture & Co-operation, New Delhi      Member
6. Advisor (IA), Ministry of Environment & Forests, New Delhi      Member
7. Director General, Geological Survey of India, Kolkata      Member
8. Chairman, Central Ground Water Board, Faridabad      Member

9. Director General, India Meteorological Department, Member  
New Delhi
10. Director / Scientist (F), National Institute of Member  
Hydrology, Roorkee
11. Chairman, Inland Water Ways Authority of India, Member  
Noida
12. Director General, National Water Development Member-  
Agency, New Delhi Secretary

**SPECIAL INVITEES :**

1. Chief Engineer (Water Resources), Irrigation Department, Govt. of  
Uttar Pradesh
2. Chief Engineer & Joint Secretary, Narmada and Water Resources  
Department, Govt. of Gujarat
3. Engineer – in – Chief (Interstate & Water Resources), Irrigation  
Department, Govt. of Andhra Pradesh
4. Chief Engineer (Bodhi), Water Resources Department , Govt. of  
Madhya Pradesh
5. Chief Engineer (Water Resources) & Joint Secretary, Irrigation  
Department, Govt. of Maharashtra
6. Chief Engineer, Interstate Water, Government of Kerala
7. Chief Engineer (Irrigation, Design & Research), Irrigation Unit, Govt.  
of Rajasthan
8. Engineer – in – Chief, Water Resources Organization, Govt. of Tamil  
Nadu
9. Chief Engineer, Central Planning Unit, Department of Irrigation,  
Govt. of Orissa
10. Engineer – in – Chief, Irrigation Department, Water Resources  
Development Organization, Govt. of Karnataka

11. Chief Engineer,(Water Resources), Irrigation Works, Govt. of Punjab
12. Chief Engineer (Lift Canals), Irrigation Department, Govt. of Haryana
13. Chief Engineer, P .P. Cell, Water Resources Deptt., Govt. of Bihar
14. Chief Engineer (Design & Research), Irrigation & Waterways Directorate, Govt. of West Bengal
15. Chief Engineer (P&D), Brahmaputra Board, Guwahati, Assam
16. Chief Engineer, Irrigation Department, Govt. of Assam
17. Chief Engineer (I&F), Govt. of NCT of Delhi
18. Engineer – in – Chief, Water Resources Department, Govt. of Chhattisgarh
19. Chief Engineer, Irrigation Department, Govt. of Uttarakhand
20. Engineer – in – Chief, Water Resources Department, Govt. of Jharkhand

**(Total Members as on 31.03.2009 .....12)**  
**(Total Special Invitees as on 31.03.2009.....20)**