

ORGANISATIONAL HISTORY OF NATIONAL INSTITUTE OF HYDROLOGY, ROORKEE

1. Date of creation of the Department:-

National Institute of Hydrology was established under the Ministry of Water Resources, River Development & Ganga Rejuvenation (earlier known as Ministry of Irrigation), Govt. of India, as an autonomous Society on 16th December, 1978 with its headquarters at Roorkee. Besides the Institute it has four Regional Centres and two Centres for Flood Management Studies. These are as follows:

- (i) Hard Rock Regional Centre, Belgaum, Karnataka (July, 1987)
- (ii) Western Himalayan Regional Centre, Jammu, J&K (Jan. 1990)
- (iii) Deltaic Regional Centre, Kakinada, Andhra Pradesh (Sept. 1991)
- (iv) Ganga Plains South Regional Centre, Bhopal, M.P. (Dec. 1995)
- (v) Centre for Flood Management Studies (Brahmaputra Basin, Guwahati, Assam(Aug., 1988)
- (vi) Centre for Flood Management Studies (Ganga Basin), Patna, Bihar (June, 1991)

2. Functions allocated to it at the time of its creation with its organisational structure:

Main functions envisaged are: (i) To undertake, aid, promote and coordinate systematic and scientific work in all aspects of hydrology; (ii) To cooperate and collaborate with other National, Foreign and International Organisations in the field of Hydrology, and (iii) To establish and maintain a reserch reference Library.

ORGANISATIONAL STRUCTURE OF THE INSTITUTE :

SOCIETY

The National Institute of Hydrology Society is the apex body of the Institute and meets at least once in a year. Hon'ble Union Minister for WR, RD & GR is the Chairman of the Society and Union Minister of State for WR, RD & GR is the Vice President. It reviews the progress and performance of the Institute and gives such directions as it may deem fit, to the Governing Body and the Institute towards attainment of the objectives enunciated in the Memorandum of Association of the Society. The Society has 48 members out of which 10 Ministers-in-Charge of Irrigation and Water Resources from the States and 10 eminent engineers & Water Resources Experts out of which 3 must be academicians, are nominated by the President of the Society for a period of 3 years term. The membership of the Society is given in Appendix-I.

GOVERNING BODY

The Governing Body, under the Chairmanship of the Secretary, Ministry of WR, RD & GR, Govt. of India, is the executive Body of the Institute and is responsible to pursue and carry out the activities, as per objectives laid down by the Society. The Governing Body exercises all executive and financial powers of the Society and meets atleast twice in a year. The constitution of the Governing Body is given in Appendix-II.

TECHNICAL ADVISORY COMMITTEE

The Technical Advisory Committee (TAC) under the Chairmanship of the Chairman, Central Water Commission, New Delhi carries out technical scrutiny of the research program of the Institute and recommends priority areas for studies and research. The committee meets atleast twice in a year. It also scrutinizes the technical activities proposed under the five Year-Plans and the individual schemes submitted for external assistance and expansion of the Institute. The constitution of TAC is given in Appendix-III.

WORKING GROUP

The Governing Body of the Institute has constituted a Working Group to consider and to recommend to TAC the program of studies to be taken up by various Scientific Divisions of the Institute and review the progress of work. The Working Group, under the Chairmanship of Director, NIH, has members from various Central and State Government organisations, Universities and individual experts working in the field of hydrology and water resources. The technical reports prepared by the Scientific Divisions in various areas of hydrology are sent to the concerned members of the Working Group and other experts for their comments and suggestions. The constitution of the Working Group is given in Appendix-IV.

REGIONAL COORDINATION COMMITTEES

Regional Coordination Committees (RCC) have been constituted to ensure effective coordination between the respective CFMS/Regional Centre and the various academic and field organisations engaged in water resources research and development in the Region. RCC's advise the CFMS/Regional Centres in all technical and scientific matters and also examines the proposals for diversification of activities of the Centre. Experts from field organizations and academic Institutions of the region covered by the Regional Centre are members of the Regional Coordination Committee with Director, NIH as the Chairman. The NIH Society has approved the constitution of RCC for each CFMS/Regional Centre and is given in Appendix-V.

SCIENTIFIC DIVISIONS

Studies and research activities at the headquarters are carried out under the following six scientific Divisions:

1. Environmental Hydrology
2. Ground Water Hydrology
3. Hydrological Investigations
4. Surface Water Hydrology
5. Water Resources Systems
6. Research Management and Outreach

The Divisions also undertake various consultancy and sponsored research projects and technology transfer activities.

ACHIEVEMENT REVIEW COMMITTEE

Achievement Review Committee is appointed by President of the Society once in five years to assess the performance of the Institute. The committee consists of eminent and senior experts in the field of hydrology and water resources. So far Five Achievements Review Committees have been held.

First ARC was held for the period 1979-1984
Second ARC was held for the period 1989-1994
Third ARC was held for the period 1994-1999
Fourth ARC was held for the period 1999-2004
Fifth ARC was held for the period 2004-2010

The Constitution, terms of reference and major recommendations of last ARC which reviewed the work of NIH for the period from 2004 to 2010 are given in Item No.5

Besides, the Institute is headed by a Director who acts as Head of the Department, and Senior Administrative Officer is declared as Head of the office. The Institute has 70 Scientists and 147 numbers of scientific, technical and administrative staff in position on 31st March, 2016.

3. Subsequent changes made in the organisational structure from time to time:

NIL

4. Allocation and re-allocation of functions with reasons for such changes:

Not applicable.

5. Committee/Commissions appointed to look into the specific problems, dates of their appointments and recommendations made by them:

(i) Grievance Redressal Mechanism –

The Grievance Redressal Mechanism was adopted on Oct. 20, 2010 in place of Grievance Cell with the constitution of Public Grievance Officer and OIC, Staff Grievances. This has been reconstituted on Jan. 04, 2012 for the benefit of the regular employees of the Institute.

(ii) Technical Advisory Committee –

The term of seven out of the fifteen members of the committee is for 3 years. These members represent IITs, State Universities, Water Technology Centres, Hydrology Cells of State Govts., eminent individual and NGOs. The term of present members was over and new members representing these institutions were nominated by Chairman GB on 1/5/2015.

(iii) Achievement Review Committee –

The President of National Institute of Hydrology Society constituted the last Achievement Review Committee vide Ministry of Water Resources Order No.11/14/2009-E.II, dated 9th Sept., 2010 to evaluate the performance of NIH, Roorkee for the period 2004-2010. The terms of reference of the Committee were:-

- (a) To review the achievements of NIH during the period from 01.04.2004 to 31.03.2010 vis-a-vis the objectives outlined in Clause-3 of its Memorandum of Association;
- (b) To review the achievements in respect of Plan Schemes of NIH during Xth Plan;
- (c) To consider the role of the different bodies such as Technical Advisory Committee, Coordination Committee and Working Group etc., towards fulfillment of the objectives and suggest modifications in the working procedures of the Institute, if called for;
- (d) To identify and assess the factors which facilitated or impeded the achievements of the objectives; and
- (e) To advise on the areas of studies and research which may be undertaken by the Institution in coming 10 to 15 years.

The Constitution of the Committee was

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| i) | Shri S. Manoharan, Former Special Secretary
Ministry of Water Resources | ... | Chairman |
| ii) | Shri S.K. Das, Former Chairman,
Central Water Commission | ... | Member |
| iii) | Dr. R.K. Prasad, Former Chairman
Central Ground Water Board | ... | Member |
| iv) | Dr. B. S. Mathur, Professor (Retd.), IIT, Roorkee | ... | Member |
| v) | Shri K.N. Lal, Former Engineer-in-Chief
Water Resources Department, Govt. of Bihar | ... | Member |
| vi) | Dr. N.C. Ghosh, Scientist F, NIH, Roorkee | ... | Member-Secretary |

Dr. N.C. Ghosh, Scientist F of the Institute acted as Member Secretary of the Committee. The Committee had 10 meetings from Oct. 21, 2010 to 25th April, 2011 and also interacted with the Scientists of the Headquarters and Regional Centres and submitted its report in April 2011.

The committee made number of recommendations including strength of Scientists and Service Conditions, infrastructural facilities, proposed administrative changes, service conditions and related matters pertaining to scientific, technical and supporting staff, strengthening of Research Efforts and upgradation of laboratories and advanced instrumentation for field investigations. The committee also made recommendation regarding future directions of growth of the Institute in order to make an effective impact on other hydrological institutions and on the water sector of the country.

Details of Director's post and its holder since NIH Establishment

Sl.No.	Name of the post holder	From	To
1.	Dr. S. Ramaseshan	22-02-1979	15-07-1983
2.	Dr. S.M. Seth (Acting)	16-07-1983	29-05-1984
3.	Dr. Satish Chandra	30-05-1984	31-08-1993
4.	Dr. S.M. Seth (Acting)	01-09-1993	29-03-1995
5.	Dr. S.M. Seth	30-03-1995	03-10-2000
6.	Dr. K.S. Ramasastry (Acting)	04-10-2000	30-09-2003
7.	Dr. K. D. Sharma	01-10-2003	30-04-2008
8.	Shri R. D. Singh (Acting)	01-05-2008	19-10-2008
9.	Shri R.D. Singh	20-10-2008	30-06-2017
10.	Dr. Sharad Kumar Jain	01-07-2017	Continue