

**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 16<sup>th</sup> 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)
- (vii) North Western Regional Centre, Jodhpur, (Rajasthan) (January 01, 2023)

**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 research reference Library.

**ORGANISATIONAL STRUCTURE OF THE INSTITUTE :**

**SOCIETY**

The National Institute of Hydrology Society is the apex body of the Institute. 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 and water resources experts are nominated by the President of the Society for a 3 year's term. The membership of the Society as on March 31, 2025, is given in Appendix-I.

**GOVERNING BODY**

The Governing Body (GB), under the Chairmanship of the Secretary, DoWR, RD & GR, Ministry of Jal Shakti, Government 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. GB exercises all executive and financial powers of the Society. The constitution of the GB as on March 31, 2025, is given in Appendix-II.

## **STANDING COMMITTEE**

The GB has constituted a Standing Committee under the Chairmanship of the Additional Secretary, DoWR, RD & GR, Ministry of Jal Shakti, Government of India, to consider the financial and administrative matters pertaining to the Institute. The Standing Committee reviews the matters referred to it by the GB. Decisions of the Standing Committee are reported to the GB for its approval. The constitution of the Standing Committee as on March 31, 2025 is given in Appendix-III.

## **TECHNICAL ADVISORY COMMITTEE**

The Technical Advisory Committee (TAC) under the Chairmanship of the Chairman, Central Water Commission (CWC), New Delhi, carries out technical scrutiny of the research program of the Institute and recommends priority areas for studies and research. It also scrutinizes the individual schemes submitted for external assistance and expansion of the Institute. The constitution of TAC as on March 31, 2025 is given in Appendix-IV.

## **WORKING GROUP**

The GB has constituted a Working Group to consider and 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 organizations, Universities and individual experts working in the field of hydrology and water resources. The constitution of the Working Group as on March 31, 2025 is given in Appendix-V.

## **REGIONAL COORDINATION COMMITTEES**

Regional Coordination Committees (RCCs) have been constituted to ensure effective coordination between the respective Regional Centre and the various academic and field organizations engaged in water resources research and development in the Region. RCCs advise the Regional Centres in all technical and scientific matters and also examine the proposals for diversification of activities of the Centres. Experts from field organizations and academic institutes of the region covered by the Regional Centre are members of the RCCs with Director, NIH as the Chairman. Duly approved constitution of RCC for each Regional Centre is given in Appendix-VI.

## **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. Centre for Cryosphere and Climate Change Studies

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
- Sixth ARC was held for the period 2010-2017

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 81 Scientists and 66 numbers of scientific, technical and administrative staff in position on 31<sup>st</sup> January, 2026.

**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 Centralised Public Grievance Redress and Monitoring System (CPGRAMS) is being used for public grievance redressal.

**(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 Sept. 21, 2017.

**(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 9<sup>th</sup> 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 M. Gopalakrishnan,<br>Ex-Secretary General,<br>ICID, New Delhi | ... | Chairman |
| ii)  | Shri A.B. Pandya,<br>Ex- Chairman,<br>Central Water Commission      | ... | Member   |
| iii) | Dr. P.P. Majumdar<br>IISC, Bangalore                                | ... | Member   |
| iv)  | Dr. Saleem Romani,<br>Ex-Chairman,<br>CGWB                          | ... | Member   |
| v)   | Dr. A.K. Sikka,<br>IWMI Representative- India,<br>IWMI              | ... | Member   |

Shri C.P. Kumar, Scientist G of the Institute acted as Member Secretary of the Committee. The Committee had 10 meetings from April 01, 2010 to 31 March, 2017 and also interacted with the Scientists of the Headquarters and Regional Centre and submitted its report in March, 2017.

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