

**NATIONAL INSTITUTE OF HYDROLOGY**  
(Ministry of Jal Shakti, Department of Water Resources, River Development and Ganga Rejuvenation)  
Jalvigyan Bhawan, Roorkee – 247 667 (Uttarakhand)

**Advertisement Notice**

Advertisement No.Project/01/2021-NIH(Admn.)  
Dated: 20.01.2021

**Subject: Advertisement for the selection of Project Staff (on contract basis) through Walk-in-Interview for the following projects.**

Sl. No.	Project/Sub-Project Title	Designation	No. of Post	Duration	Qualification	Emoluments per month	Date, time & place of interview
1.	<b>“Integrated Management of Water Resources for Quantity and Quality in Upper Yamuna Basin upto Delhi” CEHM (NHP)</b>	Research Associate	One	01 years	<p><b><u>Research Associate</u></b>  <b><u>Essential:</u></b> Ph.D degree in Civil Engg./Water Resources/ Hydrology/Natural Resources Management/ Earth Science/ Environmental Engg. /Environmental Science.  <b>OR</b>  M.E/M.Tech. in Civil Engg./Water Resources/ Hydrology having 3 years of research experience, with at least one research paper in Science Citation Indexed (SCI) journal.  <b><u>Nature of Work:</u></b> Field investigations, lab experiments, data processing and hydrological modeling.  <b><u>Desirable:</u></b> Preference will be given to candidates having experience of hydrological modeling using softwares such as SWAT,HEC-RAS,HEC-HMS, MIKE HYDRO, MODFLOW etc., work on GIS, statistical analysis, climate change impact analysis.</p>	Rs.47,000/- +HRA (as admissible)	<b>Dated</b> <b>04.02.2021</b> <b>10.00 AM</b> <b>at NIH,</b> <b>Roorkee</b>
		Junior Research Fellow	One	01 Years	<p><b><u>Junior Research Fellow</u></b>  <b><u>Essential:</u></b> Post Graduate Degree in Earth Science/ Applied Geology/ Environmental Science/ Environmental Resource Management.  <b>OR</b>  M.E./M.Tech in Civil Engg./Water Resources/ Hydrology/Environmental Engg./ Agricultural Engg/ Soil &amp; Water Conservation Engg.  <b>selected through a process described through any one of the following:</b>  <b>a. Scholars who are selected through National Eligibility Tests- CSIR-UGC NET including lectureship (Assistant Professorship) and GATE.</b>  <b>b. The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.</b>  <b><u>Nature of Work:</u></b> Field investigations, lab experiments, data processing and support in hydrological modeling.  <b><u>Desirable:</u></b> Preference will be given to candidates having experience of hydrological modeling using softwares such as MODFLOW, HYDRUS, SWAT, etc., work on GIS statistical analysis, climate change impact, field surveys etc.</p>	Rs. 31,000/- + HRA ( as admissible)	<b>Dated</b> <b>04.02.2021</b> <b>02.00 PM</b> <b>at NIH,</b> <b>Roorkee</b>

2.	“Enhancing Food and Water Security in Arid Region through Improved Understanding of Quantity, Quality and Management of Blue, Green and Grey Water”	Junior Research Fellow	One	03 Years	<p><b>Junior Research Fellow</b>  <b>Essential:</b> Post Graduate Degree in Earth Science/ Applied Geology/ Environmental Science.</p> <p style="text-align: center;"><b>OR</b></p> <p>M.E./M.Tech in Civil Engg./Water Resources/ Hydrology /Environmental Engineering/ Agricultural Engg/Soil &amp; Water Conservation Engg.</p> <p><b>selected through a process described through any one of the following:</b></p> <p><b>a. Scholars who are selected through National Eligibility Tests- CSIR-UGC NET including lectureship (Assistant Professorship) and GATE.</b></p> <p><b>b. The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.</b></p> <p><b>Nature of Work:</b> Field experiments &amp; investigations, distributed modeling for conjunctive use of water resources in Rajasthan.</p> <p><b>Desirable:</b> Preference will be given to candidates having experience of carrying out hydrological modeling using softwares such as SWAT, MODFLOW and work on GIS.</p>	Rs. 31,000/- + HRA ( as admissible)	Dated 04.02.2021 02.00 PM at NIH, Roorkee
3.	“Water efficient irrigation by using SCADA system for major irrigation project Shahnehar”	Project Associate-I	One	Sept. 2021 or till the completion of Project	<p><b>Project Associate-I</b>  <b>Essential:</b> Bachelor’s degree in Civil/ Agricultural Engg. or Technology from recognized University</p> <p><b>Desirable:</b> Specialization in Water resources/soil &amp; water conservation/irrigation &amp; drainage Engineering.</p> <p><b>Nature of Work:</b> Substantial field observation in experimental sites and data monitoring, data analysis and results interpretation etc.</p>	Rs. 31,000/- + HRA ( as admissible)	Dated 04.02.2021 02.00 PM at NIH, Roorkee
4.	“Development of Water Accounts for the different sub-basins of Brahmaputra and Barak River Basins in the state of Meghalaya Using Water Accounting Plus (WA+) Framework”	Junior Research Fellow	One	02 years	<p><b>Junior Research Fellow</b>  <b>Essential:</b> M.E./M.Tech. in Civil/Water Resources Engg./Hydrology/Soil &amp; Water Conservation Engg/Geo-informatics.</p> <p><b>selected through a process described through any one of the following:</b></p> <p><b>a. Scholars who are selected through National Eligibility Tests- CSIR-UGC NET including lectureship (Assistant Professorship) and GATE.</b></p> <p><b>b. The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.</b></p> <p><b>Desirable:</b> Good knowledge in Python Programming; Remote Sensing and GIS works.</p>	Rs. 31,000/- + HRA ( as admissible)	Dated 04.02.2021 02.00 PM at NIH, Roorkee

5.	“Innovation Centre for Eco-prudent Wastewater Solutions (IC-ECOWS)” (DST funded)	Junior Research Fellow	One	03 Years	<p><b>Junior Research Fellow (JRF)</b>  <b>Essential:</b> Post Graduate Degree in Basic Science  <b>OR</b>  Graduate/ Post Graduate Degree in Professional Course selected through a process described through any one of the following:  <b>a. Scholars who are selected through National Eligibility Tests- CSIR-UGC NET including lectureship (Assistant Professorship) and GATE.</b>  <b>b. The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.</b>  in Environmental Engg./Environmental Science/Chemistry/Soil &amp; Water Engg.  <b>Desirable:</b> Persons with research experience and published papers in the field of waste water treatment would be preferred.</p>	Rs. 31,000/- + HRA ( as admissible)	<b>Dated 04.02.2021 02.00 PM at NIH, Roorkee</b>
6.	Assessment of Impact of Groundwater Salinity on Regional Groundwater Resources, Current and Future Situation in Mewat, Haryana- Possible Remedy and Resilience Building Measures	Junior Research Fellow	One	December , 2021	<p><b>Junior Research Fellow</b>  <b>Essential:</b> Post Graduate Degree in basic sciences Chemistry/ Earth Sciences/ Geology/ Environmental Science.  <b>OR</b>  B.Tech/B.E. in Civil Engg./Environmental Engg.  <b>selected through a process described through any one of the following:</b>  <b>a. Scholars who are selected through National Eligibility Tests- CSIR-UGC NET including lectureship (Assistant Professorship) and GATE.</b>  <b>b. The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.</b>  <b>Nature of Work:</b> Field investigation in Mewat district, Haryana and Laboratory data analysis GW modeling.  <b>Desirable:</b> Preference will be given to candidates having experience of water quality analysis and groundwater quality modeling.</p>	Rs. 31,000/- + HRA ( as admissible)	<b>Dated 04.02.2021 02.00 PM at NIH, Roorkee</b>

**General conditions:**

1. Professionals with requisite qualifications and experience as prescribed would be eligible for the appointment of above posts.
2. Selected candidates would be engaged for a fixed period for providing high quality services to the Institute for attending to specific and time-bound jobs.
3. The appointment would be on Full-time basis and they would not be permitted to take up any other assignment during the period of Consultancy with the NIH.
4. The appointment is purely temporary on co-terminus basis and do not entitle the appointee to any claim implicit or explicit or any NIH post. The appointment can be cancelled at any time by the Institute without assigning any reason.
5. The initial term of appointment and subsequent extension (s) if any, shall be decided on case to case basis depending upon the specific job and the time frame for its completion.
6. The selected candidates shall not be entitled to any allowance such as Dearness Allowance, Residential Telephone, Transport facility, Personal Staff etc.
7. The selected candidates may be provided with the transit accommodation as per prevailing rules of the Institute. The applicable licence fee shall be charged and they will vacate the accommodation on the termination or expiry of the tenure, whichever is earlier.
8. The selection of candidates will be made through Walk-in-Interview. No TA/DA will be paid to the candidate for attending the interview. No TA/DA shall be admissible for joining the appointment on contractual basis. The selected candidate shall be allowed TA/DA for their travel inside the country in connection with the official work.
9. Candidates can directly attend the walk-in-interview on the prescribed date, time at NIH along with complete bio-data, passport size photograph and original proof of qualification and experience. They must also bring with them self-attested copies of their certificates. Candidate may report in NIH in one hour before Interview time. After starting of Interview, admission in the same

will not be allowed.

10. **Bio-data Format for the posts:** Advt. No., Post applied for, Sub-project/Sub-projects in which the candidate intends to work in the order of preference of Sub-project title, Name of candidate, Father's name, Date of birth, Age, Nationality, Marital status, Category (SC/ST/OBC/PH/Gen), Address for communication, Telephone No., Details of qualifications (High School onwards giving exam passed, year of passing, Name of Board/ University, Subjects, division with percentage of marks, Working experience {Mentioning S. No., Organisation/Institute, Period (from . . . to), Nature of work and remarks}....., Research Paper published if any, Knowledge of software, any other additional information, List of enclosures and Signature of Candidate with date.
11. Maximum Age **for Research Associate shall be 35 years and for Junior Research Fellow (JRF) and Project Associate-I will be 28 years**, as on the date of interview. Age relaxation of SC/ST/OBC/Women and physically handicapped candidates as per Govt. of India rules.
12. No. of posts may increase or decrease depending on the projects.

**Note: Candidates before appearing for the Walk-in-Interview shall ensure that they are eligible (in the required field) for the position they intend to apply. Out station candidates are required to make their own boarding and lodging arrangement at Roorkee.**

(V.K. Sharma)  
Sr. Admn. Officer