राष्ट्रीय जलविज्ञान संस्थान

(जल शक्ति मंत्रालय, जल संसाधन, नदी विकास और गंगा संरक्षण विभाग के अधीन भारत सरकार की समिति जलविज्ञान भवन, रुड़की उत्तराखंड)



NATIONAL INSTITUTE OF HYDROLOGY

(A Government of India Society under Ministry of Jal Shakti, Department of Water Resources, R.D. & G.R. Jalvigyan Bhawan, Roorkee (Uttarakhand)

Advertisement Notice

Advertisement No. RP (Jr./Sr.)Advt.31/2024-NIH(Admn.)

Dated: 27.06.2024

Subject: Advertisement for the selection of Resource Person (Senior/Junior) (on contract basis) through Walk-in-Interview for the following various Division & Consultancy project in NIH, Roorkee.

SI. No.	Division Name	Designation	No. of Post	Duration	Qualification	Emoluments per month	Date, time & place of interview
01	Surface water Hydrology Division (SWHD-1)	Resource Person (Junior)	05	Initially for one year (Period may be extended on basis of performance)	Resource Person (Junior) Essential Qualification: Post Graduate degree in Basic Sciences (Chemistry/Earth Sciences/ Geology/Environmental sciences/ Remote Sensing & GIS) OR M.E./M.Tech. in Civil Engg./Water Resources/Hydrology/Environmental Engg./Agricultural Engg./Soil & Water Conservation Engg./ Remote Sensing & GIS. Desirable Experience: Sound knowledge of computer programming like python, R. matlab etc./working knowledge in Remote Sensing & GIS/hydrologic model (like SWAT/HEC-HMS)/hydrologic model (HEC-RAS) TUFLOW etc/WRF Models. Experience: At least 1 year of research experience	Rs.20,000/- to 40,000/-p.m. + Rs. 1,500/- p.m. as local conveyance	Dated 04.07.2024 10.30 AM at NIH, Roorkee
02	Environmental Hydrology Division (EHD-1)	Resource Person (Junior)	02	Initially for one year (Period may be extended on basis of performance)	Resource Person (Junior) Essential Qualification: B. Tech. in Civil Engg./ Agricultural Engg. Desirable Experience: Persons with higher/additional qualification, research experience, published papers and post qualification experience in the field of Water Resources Engg./Hydrology/Soil & Water Conservation Engg./Irrigation & Drainage Engg. Would be preferred. Job Description: For field investigation, water quality analysis, data processing and water quality	Rs.20,000/- to 40,000/-p.m. + Rs. 1,500/- p.m. as local conveyance	Dated 04.07.2024 10.30 AM at NIH, Roorkee
	(EHD-2)	Resource Person (Junior)	03	Initially for one year (Period may be extended on basis of performance)	modelling. Preference will be given to GATE qualified candidates. Resource Person (Junior) Essential Qualification: Post Graduate Degree in Chemistry /Biotechnology/ Microbiology/ Environmental Sciences/ Environmental Engineering. Desirable Experience: Persons with higher/additional qualification, research experience, published papers in the field of Chemistry/ Biochemistry /Biotechnology/ Microbiology/ Environmental Sciences/ Environmental Engineering would be preferred. Job Description: For field investigation, water and wastewater quality analysis, data processing, Knowledge of water and wastewater treatment. Preference will be given to GATE/NET qualified candidates.	Rs.20,000/- to 40,000/-p.m. + Rs. 1,500/- p.m. as local conveyance	Dated 04.07.2024 10.30 AM at NIH, Roorkee

Hydrological Investigation Division (HID-1)	Resource Person (Junfor)	02	Initially for one year (Period may be extended on basis of performance))	Resource Person (Junior) Essential Qualification: Post Graduate Degree in Basic Sciences (M.Sc.) in Geology, Physics, Mathematics and Chemistry. OR Graduate Degree in Professional Course (B.E./B.Tech.) in Civil/Agricultural Engg.	Rs 20,000/- no 40,000/- p.m. + Rs. 1,500/- p.m. as local conveyance	Dated 04.07.2024 10.30 AM at NIH, Rourker
		des		Desirable Experience: Preference will be given to those candidates who are having at least two years experience in handling of IRMS, Gamma spectrometer, Tritium Enrichment, RAD-7 and Ion-Chromatograph and have experience of field sampling related to isotope and chemistry.		
				Job description: Operation & analysis of sediment sample using gamma spectrometer for Pb-210 and Cs-137 dating techniques OR Operation & analysis of IRMS and maintenance of IC, RAD-7 and Tritium Unit and analysis of chemical parameters of water.		
(HID-2)	Resource Person (Junior)	01	Initially for one year (Period may be extended on basis of performance)	Resource Person (Junior) Essential Qualification: Master degree in Science. OR B. Tech/B.E. in Computer Science/ Insrumentation Engg.	Rs.20,000/- to 40,000/-p.m. + Rs. 1,500/- p.m. as local conveyance	Dated 04.07.2024 10.30 AM at NIH, Roorkee
	,			Desirable Experience: Preference will be given to those candidates who are having at least two years experience in handling of IRMS and analysis of different parameters of water and have experience of field Sampling related to isotope and chemistry.		
				Job description: Operation and analysis of TRMS and analysis of chemical parameters of water.		
(HID-3)	Resource Person (Junior)	02	Initially for one year (Period may be extended on basis of performance)	Resource Person (Junior) Essential Qualification: Bachelor Degree in Civil Engg/ Agriculture Engg. or Master's Degree in Science subjects such as Geology /Earth Sciences/Remote Sensing & GIS/Environmental science.	Rs 20,000/- to 40,000/-p.m. + Rs. 1,500/- p.m. as local conveyance	Dated 04.07.202- 10.30 AM at NIH, Roorkee
THE PARTY OF THE P				Desirable Experience: Preference will be given to those candidates who have knowledge of RS & GIS/ Lake Hydrology/Climate change and those who have additional/higher qualification with research experience & research publication in peer reviewed journals, have field experience.	E. 16.000-11. 10.0008-11. 10.0008-11. 10.0008-11. 10.0008-11.	
				Job description: Field investigations, sampling,		
Water Resources Systems	Resource Person (Junior)	03	Initially for one year (Period may	Essential Qualification: M.Tech in Hydrology and Water Resources, Soil	Rs.20,000/- to 40,000/-p.m. + Rs. 1,500/-	Dated 04.07.202 10.30 A.M
Division (WRS-1)			be extended on basis of performance)		p.m. as local conveyance	at NIH, Roorkee
				Desirable Experience: Preference will be given to those candidates who have knowledge of Python programming, GIS		Det.

Ground water Hydrology Division (GWHD-1)	Resource Person (Senior)	01	Initially for one year (Period may be extended on basis of performance)	Resource Person (Senior) Essential Qualification: M.Tech. in Hydrology/Water resources. Desirable Experience: Total 6 years of experience in which 05 years of experience in Remote sensing and GIS/Google earth engine/Python programming.	Rs. 40,000/- to 70,000/-p.m. + Rs. 3,000/- p.m. as local conveyance	Dated 05.07.2024 10.30 AM at NIH, Roorkee
(GWHD-2)	Resource Person (Junior)	01	Initially for one year (Period may be extended on basis of performance)	Resource Person (Junior) Essential Qualfication: M.Sc./M.Tech. in Environmental Engineering/Applied Geology/Environmental Sciences/Hydrology.	Rs.20,000/- to 40,000/-p.m. + Rs. 1,500/- p.m. as local conveyance	Dated 04.07.2024 10.30 AM at NIH, Roorkee
				Desirable Experience: At least 1 year of experience in water sampling and lab analysis of soil and water samples on different instruments such as ICP-OES, CHNS, Particle size analyser etc., Handling and management of soil water lab instruments.		
(GWHD-3)	Resource Person (Junior)	01	Initially for one year (Period may be extended on basis of performance)	Resource Person (Junior) Essential Qualfication: M.Sc./M.Tech. Geophysics/ Hydrology/ Hydrogeology/Earth Sciences/Applied Geology/ Water Resources/ Land and Water Management. Desirable Experience: At least one year of experience in carrying out	Rs.20,000/- to 40,000/-p.m. + Rs. 1,500/- p.m. as local conveyance	Dated 04.07.2024 10.30 AM at NIH, Roorkee
		0.1	V-10-11 C	geophysical investigations, aquifer mapping, conducting aquifer pump tests/slug tests, basics programming knowledge such as Python.	Rs.20,000/- to	Dated
(GWHD-4)	Resource Person (Junior)	01	Initially for one year (Period may be extended on basis of performance)	Resource Person (Junior) Essential Qualification: M.Sc./M.Tech. in Environmental Engineering/Environmental Science/ Hydrology /Water Resources. Desirable Experience: At least one year of experience in Soil and water	40,000/-p.m. + Rs. 1,500/- p.m. as local conveyance	04.07.2024 10.30 AM at NIH, Roorkee
(GWHD-5)	Resource Person (Junior)	01	Initially for one year (Period may be extended on basis of performance)	sample collection, working on analytical instruments, infiltration tests, isotope hydrology. Resource Person (Junior) Essential Qualification: M.Sc./M.Tech. in Hydrology/Water Resources/Earth Sciences/Applied Geólogy. Desirable Experience: M.Tech degree with 2 years' experience in Groundwater modeling, surface watergroundwater interaction, groundwater data analysis and management, preparation of thematic maps using GIS, basic knowledge on R/Python.	Rs.20,000/- to 40,000/-p.m. + Rs. 1,500/- p.m. as local conveyance	Dated 04.07.2024 10.30 AM at NIH, Roorkee
(GWHD-6)	Resource Person (Junior)	01	Initially for one year (Period may be extended on basis of performance)	Resource Person (Junior) Essential Qualification: B.Tech in Civil/Agriculture Engineering or M.Sc in Environmental Science/Earth Science. Desirable Experience: Experience of working in Conference secretariat including noting, drafting and communication, Experience in data handling and management, Proficient in writing and speaking in English and Hindi, Proficient in MS Office (Word, PPT and Excel)	Rs.20,000/- to 40,000/-p.m. + Rs. 1,500/- p.m. as local conveyance	Dated 04.07.2024 10.30 AM at NIH, Roorkee

•		0.1	Trialle Con	Resource Person (Junior)	Rs.20,000/- to	Dated
Centre for cryosphere and climate change studies (C4S-1)	Resource Person (Junior)	01	Initially for one year (Period may be extended on basis of performance)	Essential Qualification: First class in Master degree in (M.Sc./ M.Tech. other relevant) in Meteorology/ Atmospheric Science/ Hydrology/ Mathematics/ Physics/ Remote Sensing & GIS/ Water resources/ Geoinformatics/ OR Master in Computer Application OR B.Tech in computer science with knowledge of Python	40,000/-p.m. + Rs. 1,500/- p.m. as local conveyance	04.07.2024 10.30 AM at NIH, Roorkee
				 Desirable experience: Good knowledge and working experience in weather and climate data analysis tools viz, GrADs/CDO/NCL etc. Good working knowledge in higher level programming languages viz. Python/R Work experience in Linux Experience in use of AI/ML techniques 		
(C4S-2)	Resource Person (Junior)	01	Initially for one year (Period may be extended on basis of performance)	Resource Person (Junior) Essential Qualification: B.Tech or Masters degree in Hydrology, water resources Engineering, Meteorology, Atmospheric Science, Computer Science, computer applications from recognized university with at least 60% marks.	Rs.20,000/- to 40,000/-p.m. + Rs. 1,500/- p.m. as local conveyance	Dated 04.07.2024 10.30 AM at NIH, Roorkee
				Desirable experience: Good knowledge and working experience in data analysis tools viz, GrADs/CDO/NCL/R etc. Good working knowledge in higher level programming languages viz. Python Work experiences of Unix/Linux on HPCs Experience in use of AI/ML techniques		
(C4S-3)	Resource Person (Junior)	01	Initially for one year (Period may be extended on basis of performance)	Resource Person (Junior) Essential Qualification: First class in Master degree in (M.Sc/M.Tech/other relevant) in Physical Sciences/Mathematics/Physics/ Remote Sensing & GIS/Civil Engg./Water resources/Geoinformatics/Geology. OR BE/B.Tech in Civil/ Water resource engineering/Hydrology with knowledge of MATLAB/Python	Rs.20,000/- to 40,000/-p.m. + Rs. 1,500/- p.m. as local conveyance	Dated 04.07.2024 10.30 AM at NIH, Roorkee
				Desirable experience: • Preference will be given to the candidate having field experience in higher altitudes and cold climate, and subject experience of Glaciology/ Remote sensing & GIS, computer programming and exposure to Python. • Glaciological field work assistance, management and Maintenance of Glaciological instrument		Nul-

	(C4S-4)	Resource Person (Junior)	01	Initially for one year (Period may be extended on basis of performance)	Resource Person (Junior) Essential: Master Degree/B. Tech in Environmental Sciences/Geology/Himalayan Aquatic Biodiversity/ Water Resources/Agricultural Engg./RS & GIS/Chemistry. Person with higher/additional qualification, research experience, published papers and post qualification experience in the relevant field would be preferred.	Rs.20,000/- to 40,000/-p.m. + Rs. 1,500/- p.m. as local conveyance	Dated 04.07.2024 10.30 AM at NIH, Roorkee
				on potential	Desirable qualification/experience: Having knowledge of RS & GIS and having working experience in hilly areas. Spring Mapping in Garhwal Region of Uttarakhand and analysis of collected data.		**************************************
07	Indian National Committee on Climate Change (INC-1)	Resource Person (Junior)	01	Initially for one year (Period may be extended on basis of performance)	Resource Person (Junior) Essential Qualification: Master Degree in MCA, Physics, or Mathematics. OR BE/B.Tech in Civil/Agric./Water Resource Engineering/Hydrology with knowledge of MATLAB/Python.	Rs.20,000/- to 40,000/-p.m. + Rs. 1,500/- p.m. as local conveyance	Dated 04.07.2024 10.30 AM at NIH, Roorkee
					Desirable experience: Having knowledge of handling and evaluation of research proposals and reports. Competency of working on computers, python coding, etc.		10 36 SANS SELECTION
08	Technical Cell (TC-1)	Resource Person (Senior)	01	Initially for one year (Period may be extended on basis of performance)	Resource Person (Senior) Essential Qualification: Post-graduate degree in electronic media/Social Sciences/Journalism/Mass Communication/Library and Information Sciences of a recognized University with minimum 60% marks/equivalent grade.	Rs.40,000/- to 70,000/-p.m. + Rs. 3,000/- p.m. as local conveyance	Dated 05.07.2024 10.30 AM at NIH, Roorkee
					 Persons with higher/additional qualifications, research experience, publications, and post qualification experience in documentation and outreach activities would be preferred. Essential Experience: Minimum 6 years of post qualification experience in the field of documentation/outreach/media activities. Candidate should possess excellent writing and speaking in both English and Hindi. Candidate should be well versed in the latest electronic publishing and graphics methods. Proficiency in usage of computers for documentation, reporting, communication and outreach work. Job Profile/Role & Responsibilities: Organize, manage and supervise the activities of Documentation, Communication and Outreach activities of the Institute, which include: Preparation of Annual Report, Gist of Studies, 		
					 Preparation of Annual Report, Gist of Statues, Newsletter, other such documents and knowledge products, Preparation of pamphlets, flyers, fact-sheets, policy papers, etc., Preparation of reports and short videos and success stories of the research projects underway/completed in the Institute, Management of Institute's publications and data repository, Dissemination of Institute's research, events and activities through regular updates on Institute's website, social media etc. Organization of various outreach activities such as mass awareness activities, exhibitions 		N.X

					at different national events. • Day to day use and maintenance of latest electronic media equipments of AV cell.		These ends
09	Computer Center (CC-1)	Resource Person (Senior)	01	Initially for one year (Period may be extended on basis of performance)	Resource Person (Senior) Essential Qualification: M.Tech (Computer Science)/MCA Essential Experience: Eight Years experience in software development Website designing and Networking.	Rs.40,000/- to 70,000/-p.m. + Rs. 3000/- p.m. as local conveyance	Dated 05.07.2024 10.30 AM at NIH, Roorkee
	Computer Center (CC-2)	Resource Person (Junior)	02	Initially for one year (Period may be extended on basis of performance)	Resource Person (Junior) Essential Qualification: B.Tech (Computer Science & Engineering) or Bachelor degree (B.Com./ B.Sc.) with one year course of Hardware-Networking Desirable Experience: Seven Years experience in Hardware devices (Desktop, Laptop UPS, Printer, Biometric) maintenance, Video conference meeting management. Preference will be given to those candidates who qualify desirable experience.	Rs.20,000/- to 40,000/-p.m. + Rs. 1,500/- p.m. as local conveyance	Dated 04.07.2024 10.30 AM at NIH, Roorkee
	Computer Center (CC-3)	Resource Person (Junior)	01	Initially for one year (Period may be extended on basis of performance)	Resource Person (Junior) Essential Qualification: B.Tech (Computer Science & Engineering) Desirable Experience: 7 Year's experience in software development, Website designing and Social Media handling. Preference will be given to those candidates who qualify desirable experience.	Rs.20,000/- to 40,000/-p.m. + Rs. 1,500/- p.m. as local conveyance	Dated 04.07.2024 10.30 AM at NIH, Roorkee
10	Finance Section (FS-1)	Resource Person (Juniór)	02	Initially for one year (Period may be extended on basis of performance)	Resource Person (Junior) Essential Qualification M.com/MBA (Finance) from recognized University/Institution with 05 years' experience in Financial & Accounting matters (Including Experience of Cash Book Management, Bank Reconciliations, Trial Balance, Balance Sheet, Internal Audit, GFR, BharatKosh etc.) OR B.com/BBA with 06 years' experience in financial & accounting matters. Knowledge of PFMS software.	Rs.20,000/- to 40,000/-p.m. + Rs. 1,500/- p.m. as local conveyance	Dated 04.07.2024 10.30 AM at NIH, Roorkee
					Desirable Experience: 1. Minimum One year Experience Certificate of PFMS (Vendor Creation & Mapping, Beneficiary Management, Sub& Child Agency Registration& Mapping, Agency Fund Transfer,— Bulk Customization, Bills Entry, Misc. Financial Reports generation through PFMS, GIA Mapping, E-Payment through PFMS, GIA Monitoring through PFMS, Transaction Track & Expenditure Detail Report, Maintain Cash Book & Bank Book in PFMS)		
					2. Minimum One year Experience Certificate of NPS (New NPS Subscriber Creation, Shifting of Subscriber, PRAN Activation, Modification of Subscriber Details, Process of Scheme Change Request, Processing of NPS Withdrawal Request, Processing of Death/Retirement Request under NPS, Creation of NPS Challan, Knowledge of Payment Process of NPS, Process of NPS Contribution)		
					3. Minimum of One year Diploma in Computer.		NY

	Procurement Section (PS-1)	Resource Person (Junior)	01	Initially for one year (Period may be extended on basis of performance)	Resource Person (Junior) Essential Qualification Postgraduate Degree in M.A, M.Com, M.Tech, MCA, MBA or allied subject from recognized University/ Institution. Desirable Experience: • At least 02 years of experience in Government e-Marketplace (GeM) portal operations and related knowledge about procurement processes in Govt. organization. • Knowledge of GFR rules and regulations, Data Entry related to GeM portal procurement & payments, preparation of Bid document, GeM reports, etc.	Rs.20,000/- to 40,000/-p.m. + Rs. 1,500/- p.m. as local conveyance	Dated 04.07.2024 10.30 AM at NIH, Roorkee
12	Consultancy project titled "Hydrogeological study to assess in impact of power plant, Residential colony and Ash Dyke on ground and surface water regime and assessing RWH potential"	Research Associate- I	01	06 months	Research Associate-I Essential Qualification Ph.D or M.E./M.Tech in Earth Sciences/Applied Geology/Environmental Engg. with having 3 years of research experience, with at least one research paper in Science Citation indexed (SCI) journal. Nature of Work Field investigations, WQ data analysis and interpretation analysis and interpretation, Geo- Chemical Modelling, Groundwater Modelling and Report writing.	Rs.58,000/- p.m+ HRA (as applicable)	Dated 05.07.2024 10.30 AM at NIH, Roorkee

General conditions:

- 1. Professionals with requisite qualifications and experience as prescribed would be eligible for the appointment of above posts with submission of related certificates only.
- 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.
- 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.
- 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-Division name and sub category coda in which the candidate intends to work in the order of preference of Sub-Division, 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. (Copy enclosed)
- 11. Maximum Age for Research Associate-I will be 35 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 requirement of, NIH Roorkee.
- 13. No. bar on age limit in Resource Person Senior & Junior.
- 14. Any enquiry pleased contact (Phone No.01332-272108) Email ID: sao.nihr@gov.in

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.

Sc. 'E' & Senior Administrative Officer