



राष्ट्रीय प्रौद्योगिकी संस्थान रायपुर NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

(An Institute of National Importance)
Under Ministry of Education, Govt. of India



No. 497/NMHS-Project/NITRR

Date 17.08.2026

ADVERTISEMENT FOR RECRUITMENT OF JUNIOR RESEARCH FELLOWS (JRFs)

Under the MoEF&CC–NMHS Sponsored Research Project

Applications are invited from eligible Indian citizens for the engagement of two (02) Junior Research Fellows (JRFs) on a purely temporary basis under an MoEF&CC–NMHS sponsored research project in the Department of Applied Geology, National Institute of Technology Raipur.

1. Project Details

Particulars	Details
Title of the Project	Climate-Responsive Aquifer Mapping and Groundwater Risk Management in Ladakh's Cold Desert: An Integrated Hydrogeological and Socioeconomic Approach
Sponsoring Agency	Ministry of Environment, Forest and Climate Change (MoEF&CC) – National Mission on Himalayan Studies (NMHS)
Project Duration	Three (03) Years
Name of the Post	Junior Research Fellow (JRF)
Number of Posts	02
Nature of Appointment	Purely Temporary
Principal Investigator (PI)	Dr. D. C. Jhariya, Department of Applied Geology, NIT Raipur
Co-Principal Investigator (PI)	Dr. Chandan Kumar Singh, Department of Civil Engineering, NIT Raipur Dr. Mridu Sahu, Department of Information Technology, NIT Raipur Dr. Vikas Kumar Vidyarthi, Department of Civil Engineering, NIT Raipur

2. Essential Qualifications

Candidates possessing M.Tech./M.E./M.Sc./M.Sc. Tech. in any of the following disciplines or equivalent qualifications are eligible:

- Applied Geology / Geology
- Hydrogeology
- Geophysics
- Water Resources Engineering
- Geomatics / Geoinformatics
- Remote Sensing & GIS
- Other relevant allied disciplines

Candidates having relevant academic/research experience in hydrogeology, groundwater assessment, aquifer mapping, GIS/Remote Sensing, geophysics, water resources, climate studies, or related areas will be preferred.



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3. Fellowship / Remuneration

₹37,000/- per month + 20% HRA for JRF, as per applicable project/GoI norms.

4. Duration of Appointment

The initial appointment will be for one year. The engagement may be extended annually for a maximum period of three years, subject to:

- Satisfactory performance;
- Periodic/quarterly review of research progress;
- Availability of project funds; and
- Continuation of the project.

The position is purely temporary and co-terminus with the project and does not confer any right to permanent employment at NIT Raipur.

5. Nature of Work and Extensive Fieldwork

The selected JRFs will be required to undertake **extensive field-based research in Ladakh**, which will form a major and integral component of the project.

The field activities may include:

- Hydrogeological and geological field investigations;
- Aquifer mapping and characterization;
- Groundwater-level monitoring;
- Groundwater sampling and water-quality assessment;
- Geophysical surveys;
- Geological, geomorphological and structural investigations;
- GPS/GIS-based field data collection;
- Remote Sensing and ground-truthing;
- Identification and assessment of groundwater recharge areas;
- Socioeconomic and water-use surveys;
- Installation/monitoring of field instruments and data collection;
- Field verification of thematic maps and spatial datasets; and
- Other project-related field investigations.

The fieldwork may involve frequent travel to remote, high-altitude areas of Ladakh, prolonged outdoor activities, trekking/walking over rugged terrain, and working in cold desert and challenging climatic conditions.

Important Note for Applicants

Candidates who are genuinely interested and willing to undertake extensive fieldwork and travel to remote/high-altitude areas of Ladakh are encouraged to apply. Applicants should be physically and mentally prepared for field-based research under demanding terrain and climatic conditions.



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Candidates having prior fieldwork experience in hydrogeology, geology, groundwater studies, geophysics, GIS/Remote Sensing, or related areas may be given preference.

6. Age Limit

The upper age limit shall be **as per applicable Government of India norms**.

7. Relaxation

Age and qualification relaxations for SC/ST/OBC/Women/PwD candidates shall be applicable as per the rules and guidelines of the Government of India and the sponsoring agency.

8. How to Apply

Interested and eligible candidates are required to submit their application in the prescribed format, along with relevant supporting documents, through email to:

Email: dcjhariya.geo@nitrr.ac.in

Last Date for Submission of Application: 30 August 2026 (Sunday)

Candidates are advised to submit their applications well before the closing date. Incomplete applications or applications received after the last date may not be considered.

9. Interview and Document Verification

Particular	Details
Mode	Offline / Online
Tentative Date	01 September 2026 (Tuesday)
Time	10:00 AM onwards
Venue	Department of Applied Geology, NIT Raipur

The shortlisted candidates will be informed regarding the interview schedule and mode through email/appropriate communication.

Candidates appearing for the interview must produce their original certificates/documents for verification along with a complete set of self-attested copies.

10. No Objection Certificate (NOC)

Candidates who are currently employed in any Government, Semi-Government, Academic, Research, or other organization must submit a No Objection Certificate (NOC) from their employer at the time of interview/document verification.

11. General Terms and Conditions

1. The appointment is purely temporary and is subject to the terms and conditions of the sponsored project.



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2. The position is co-terminus with the project and will automatically cease upon completion/termination of the project or expiry of the sanctioned project period, whichever is earlier.
3. The Institute/PI reserves the right to screen applications and shortlist candidates for the interview.
4. Mere fulfillment of the minimum eligibility criteria does not guarantee a call for an interview.
5. The number of candidates called for an interview may be restricted based on the number and quality of applications received.
6. The Institute reserves the right not to fill the advertised position(s) if suitable candidates are not found.
7. The decision of the Selection Committee/Institute regarding selection shall be final and binding.
8. No TA/DA will be paid for attending the interview physically.
9. The selected candidates will be required to undertake research activities and other project-related responsibilities assigned by the Principal Investigator/ CoPI.
- 10. Since extensive fieldwork is an essential component of this project, willingness to undertake fieldwork and travel to remote/high-altitude regions of Ladakh is an essential consideration for selection.**
11. Candidates are expected to maintain proper field records, research data, reports, and other project documentation as required.
12. Any amendment, corrigendum, or further information regarding the advertisement will be communicated through the appropriate Institute/project communication channels.

12. Address for Correspondence

Dr. D. C. Jhariya

Principal Investigator, MoEF&CC–NMHS Sponsored Project

Department of Applied Geology

National Institute of Technology Raipur

G.E. Road, Raipur, Chhattisgarh, India – 492010

Email: dcjhariya.geo@nitrr.ac.in

Contact No.: +91-9754244867

IMPORTANT DATES

Event	Date
Last Date for Submission of Application	30 August 2026
Tentative Date of Interview (Offline/ Online)	01 September 2026
Interview Time (Offline/ Online)	10:00 AM onwards
Venue	Department of Applied Geology, NIT Raipur



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APPLICATION FORM

For Junior Research Fellow
Last Date to submit Application: 30 August 2026 (Sunday)

Recent
Passport Size
Photograph

1. Name of the applicant (in block letters):
3. Father's/Husband's Name:
4. Date of Birth (DD-MM-YYYY):
(Attach a valid DOB document)
5. Age as on last date of advertisement (on 30 August 2026):
6. Postal Address:

E-mail:

Phone no.:

7. Permanent Address:
8. Nationality:
9. Marital Status:
10. Whether belongs to SC/ST/PH/OBC/EWS: (If yes, attach a valid certificate):

11. Educational Qualification: (Starting from Class 10th) (attach mark sheet & certificates)

Exam Passed	Board/University	% of marks /CPI	Year of passing	Subjects/Specialization

12. GATE/NET/or any other National Examinations passed (if applicable):

Subject	Score	Valid up to

13. Details of employments (Enclosed copy of experience, also, if applicable):

Sl. No.	Name of the Organization	Name of the post	Period	Scale of pay and present Pay	Nature of duty

14. Any other relevant information that you may like to furnish (Attach extra sheet)

15. Why are you the best person for this project position?

Declaration

I declare that the above information is true and correct to the best of my knowledge and belief.

Date:

Place:

Signature of the applicant