

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
DEPARTMENT OF HYDROLOGY**

Dated: 26.08.2024

ADVERTISEMENT TO FILL UP PROJECT POSITIONS

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal investigator (Name: **Dr. N. K. Goel**), **International Centre of Excellence for Dams (ICED)**, Indian Institute of Technology, Roorkee.

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|------------------------------|--|
| 1. Title of project: | Professional Activities under the guidance of Prof. N K Goel |
| 2. Sponsor of the project: | IIT Roorkee |
| 3. Project position and no.: | Project Associate/ Research Associate/ Project Fellow/ Post Doctoral Fellow (4 nos.) |
| 4. Qualifications: | Annexure I. |
| 5. Emoluments: | 25000 to 60,000 +HRA/ 30,000 to 75000+HRA/ 40,000 to 100,000 +HRA/ 55000 to 100,000 + HRA |
| 6. Duration: | Six months or till the end of the project |
| 7. Job description: | Broad Fields of work: Stochastic Hydrology, Extreme value estimation, Flood estimation and forecasting, Power generation projects and pipeline projects, hydrological analysis and planning, Dam Engineering, Dam break modelling and EAP preparation etc. Hydrological safety evaluation of dams, dam instrumentation |

1. Candidates, before appearing for the interview, shall ensure that they are eligible for the position they intend to apply.
2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of the Principal Investigator through email, by post or produce at the time of the Interview:
 - Application in plain paper with a detailed CV including chronological discipline of degree/certificates obtained.
 - Experience includes research, industrial field, and others.
 - Attested copies of degree/certificate and experience certificate.
3. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
4. Preference will be given to SC/ST candidates on equal qualifications and experience.
5. Please note that no TA/DA is admissible for attending the interview.
6. GATE qualified candidates may be given a chance to register for a PhD.

The last date for receiving the applications in online mode is **15th and 30th of every month till the positions are filled.**

The date of the Interview shall be intimated to the shortlisted candidates only through email.

Tel: 9412393851

Email: nkgoel@hy.iitr.ac.in, goelhy@gmail.com; head@iced.iitr.ac.in

**Name and signature
of Principal Investigator**

(NKG001)

Abhay
4/9/24
डीन (सिक)/(Dean SRIC)
भा. प्रौ. सं. रुड़की/IIT Roorkee
Singh
21/9/24
Sharma
03/09/24
Sharma
03/9/24

Annexure I

Project Associate: B. Tech in Civil/Computer Science/Electronics/Agricultural Engineering/B. Arch. with an excellent academic record throughout (i.e., the average percentage of high school, intermediate, and B. Tech. should be more than 80%).

Research Associate: M. Tech. in Hydrology/ Agricultural Engineering/ Water Resources/ B. Tech in Civil/ Agricultural Engineering/ Computer Science, with at least one of the degrees from CFTI like IITs and NITs; consistently excellent academic background throughout (i.e. average percentage of High school, Intermediate and B. Tech., M. Tech./ M Arch. should be more than 80%).

OR

M Arch or M Planning or equivalent with bachelor's degree with at least one of the degrees from CFTI like IITs and NITs; consistently excellent academic background throughout (i.e. average percentage of High school, Intermediate and B. Tech., M. Tech./ M Arch. should be more than 80%).

Project Fellow: Ph. D. in Hydrology/Water Resources, M. Tech in Hydrology/ Water Resources and B. Tech in Civil/ Agricultural Engineering, with at least one of the degrees from CFTI like IITs and NITs; consistently excellent academic background throughout (i.e. average percentage of High school, Intermediate and B. Tech., M. Tech. should be more than 80%).

Post Doctoral Fellow: Ph. D. in Hydrology/Water Resources, M. Tech in Hydrology/ Water Resources and B. Tech in Civil/ Agricultural Engineering, with at least one of the degrees from CFTI like IITs and NITs; consistently excellent academic background throughout (i.e. average percentage of High school, Intermediate and B. Tech., M. Tech. should be more than 80%) and at least two papers in Q1 journals.

Experience: Good communication skill, Good knowledge of GIS and remote sensing, flood estimation and forecasting, HEC software like HEC-HMS, HEC-RAS, MIKE software, Dam Engineering, Dam break Modelling and EAP preparation, Climate Change, Hydrological safety evaluation of dams, etc.

Note: The above conditions may be relaxed in exceptional cases.


(N.K. Goel)