

**SRIC/06**

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE  
INTERNATIONAL CENTRE OF EXCELLENCE FOR DAMS**

Dated: Jan. 23, 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 (Prof. N.K. Goel, ICED), Indian Institute of Technology, Roorkee.

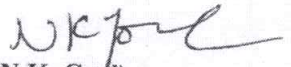
1. Title of project: **Development of International Centre of Excellence for Dams (ICED) (ICED-2043-MJS)**
  2. Sponsor of the project: CWC, New Delhi
  3. Project position(s) and number: Post-Doctoral Fellow = 05 Nos.
  4. Qualifications: Annexure-1
  5. Emoluments: Annexure-1
  6. Duration: One year
  7. Job description/Broad fields of work: Annexure-1
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 a plain paper with detailed CV including chronological discipline of degree/certificates obtained.
    - Experience including 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. ~~The GATE-qualified eligible candidates may be allowed to register for Ph.D., if recommended by the Selection Committee.~~

The last date for applications to be submitted to the office of the Principal Investigator is **Feb. 22, 2024 by 5:30 PM.**

The date of the interview will be communicated to the shortlisted candidates only. They may be required to appear in the interview on a short notice.

**Tel:01332 -285654**

**Email: head@iced.iitr.ac.in**

  
(N.K. Goel)

**Professor & Head/ Principal Investigator**

\*To be uploaded on IIT Roorkee website and copy may be sent to appropriate addresses by PI for wider circulation.

## Annexure -1

## Project Positions, Qualifications and Fellowships/Emoluments

Sl. No.	Fellowships/Emoluments	Minimum Qualifications	Amount (Per month)
1.	Post-Doctoral Fellow	<p>PhD in Hydrology/ Hydraulics/ Geotech/ Earthquake Engg/ Civil Engineering From IIT's/IISc/NITs/ other institutes of National and International repute.</p> <p>Two or more relevant research papers in journals of repute.</p> <p>(Note: Degree must be awarded, attach proof of degree).</p>	40,000/- to 1,00,000/- + HRA

**Note:** The candidates should have outstanding academic performance throughout.

**Broad fields of work:**

- Seismic Analysis and Hazard Mapping/ Seismic Analysis of Gravity and Embankment Dams
- Seismology
- Reservoir Sedimentation, Silt Management
- River Engineering, reservoir operation, dam designs, design of hydraulic structures, Dam break modelling, flood estimation and forecasting, emergency action plan preparation.

**The prospective candidates are expected to contribute towards the following:**

- Lab development related to seismology at IIT Roorkee and at dam sites,
- Lab development related to physical modelling and hydraulics at IIT Roorkee and dam sites,
- Dam models cum exhibition gallery at ICED.
- Dam instrumentation development at ICED.
- Routine maintenance of Labs.
- Administrative responsibilities of ICED.
- Progress report preparation.
- Field measurement related to seismology/hydraulics and hydrology.
- Participation in the short term training programs of the Centre at IIT Roorkee and or at dam sites in India and abroad.
- Development of the labs of the centre, developing MoUs and collaborations with National and International firms and organisations in Dam engineering.
- The project staff are expected to conduct research in any one or more focus areas/broad fields of the centre under the guidance of faculty members.
- The selected candidates will be required to give the output in deliverables of the Centre in a time bound manner.
- Any other responsibility assigned by the Head ICED.

Approved

NK Goel  
(N.K. Goel)  
Prof. & Head

डीन (सिक)/(Dean SRIC)  
आ. प्रौ. सं. रुड़की/IIT Roorkee  
Rojer  
25/1-24

25/01/24