

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

Dated: Aug. 26, 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. M.L. Sharma, 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: Research Associate = 04 Nos.
 4. Qualifications: M.Tech in Dam Safety & Rehabilitation/ Hydrology/ Hydraulics/Geotechnology/Civil /Earthquake Engg./Geology/Geophysics.
 5. Emoluments: Rs. 30,000/- to 75,000/-
 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. Preference will be given to candidates having very good academic records and B.Tech/M.Tech from institutes of national importance/IITs etc.
 6. Please note that no TA/DA is admissible for attending the interview.
 7. The last date for application to be submitted to the Principal Investigator's Office is rolling out until the position gets filled or the project is over.
 8. The candidates will be shortlisted on the EoD of the 15th and 30th of each month. The shortlisted candidates will be directly notified of the interview date and time in online/offline mode.

Tel: 01332-285654

Email: head@iced.iitr.ac.in; nkgoel@hy.iitr.ac.in


(M.L. Sharma)

Professor & Principal Investigator

Copy to: 1. Dean, SRIC, IIT Roorkee

2. ICC for publication on the IIT Roorkee website.

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Approved


(M.L. Sharma)

Professor & Principal Investigator

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


डीन (सिक)/Dean SRIC
आ. प्रौ. सं. रुड़की IIT Roorkee

27/8/24

Broad fields of work:

- Seismic 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.
- Multi Hazard Warning Systems.

The prospective candidates are expected to contribute towards the following:

- i. Lab development related to seismology at IIT Roorkee and at dam sites,
- ii. Lab development related to physical modelling and hydraulics at IIT Roorkee and dam sites,
- iii. Dam models cum exhibition gallery at ICED.
- iv. Dam instrumentation development at ICED.
- v. Development of hardware and/or software of ICED related instrumentation/processing.
- vi. Routine maintenance of Labs.
- vii. Administrative responsibilities of ICED.
- viii. Progress report preparation.
- ix. Field measurement related to seismology/hydraulics and hydrology, operation and field maintenance.
- x. Participation in the short term training programs of the Centre at IIT Roorkee and or at dam sites in India and abroad.
- xi. Development of the labs of the centre, developing MoUs and collaborations with National and International firms and organisations in Dam engineering.
- xii. 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.
- xiii. The selected candidates will be required to give the output in deliverables of the Centre in a time bound manner.
- xiv. Any other responsibility assigned by the Head ICED.

Desirable: The average of High School, Intermediate, B.Tech and M.Tech marks should be more than 80%.



(M.L. Sharma)

Professor & Principal Investigator