

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE**  
**Department of Civil Engineering**

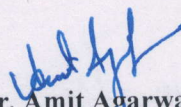
Dated: 06 July 2023

**ADVERTISEMENT TO FILL UP PROJECT POSITIONS\***

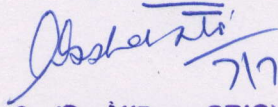
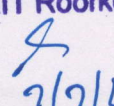
Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal Investigator (Name: Prof. Amit Agarwal), Department of Civil Engineering, Indian Institute of Technology, Roorkee.

1. Title of project: Advanced Transport Modeling and Simulation of National Highways in India
2. Sponsor of the project: IAHE (MoRTH)
3. Project position(s) and number: Research Associate, one (01) position.
4. **Qualifications:**  
**Essential:** M.E., M.Tech. or equivalent PG in Transportation Engineering, Transportation Planning or related discipline.  
**Desirable:** Valid GATE score. At least one of the degrees from IISc/ IITs/ CFTIs or any reputed foreign university. Knowledge of programming language (Java, C++, Python) and simulation tools (e.g., MATSim, SUMO, DTALite, VISSIM, AIMSUN, etc.)
5. **Emoluments:**  
  - Rs. 30,000- Rs. 75,000 /- per month, depending on experience, skills, and performance
  - HRA as per the institute rules
6. **Duration:** Initial contract for one year, extendable for two years or up to the duration of the project.; periodic performance reviews will be made to continue the contract.
7. **Job description:** The candidate will be working on (a) travel demand modeling (b) crowdsourced data (c) transport modeling and simulation (d) development of algorithms for heterogeneous traffic conditions, etc.
8. Candidates, before appearing for the interview, shall ensure that they are eligible for the position they intend to apply.
9. Candidates desiring to appear for the Interview should submit their applications with the following documents to Prof. Amit Agarwal ([amitfce@iitr.ac.in](mailto:amitfce@iitr.ac.in))
  - Latest CV with details of education qualifications and experience
  - Degree (UG, PG) and experience Certificates
10. Candidate shall show the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
11. Preference will be given to SC/ ST candidates on equal qualifications and experience.
12. Please note that no TA/ DA is admissible for attending the interview.
13. The last date for the application to be submitted is **24/07/2023, 11:00.**

The schedule of the interview shall be informed to the eligible candidates.

  
**(Dr. Amit Agarwal)**  
**Principal Investigator**  
**Tel: +91-1332-285441**  
**Email: [amitfce@iitr.ac.in](mailto:amitfce@iitr.ac.in)**

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

**APPROVED**  
  
**डीन (सिक)/Dean SRIC**  
**भा. प्रौ. सं. रुड़की/IIT Roorkee**  
  
**21/7/23**