



Indian Institute of Technology (Indian School of Mines), Dhanbad
The Office of Dean, Research & Development

Sanction No and Date: CRG/2021/001967 dated 08.12.2021	IIT (ISM) Project No. DST(SERB)(297)/2021- 2022/836/CE	Date 22.12.2021
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JRF position under DST(SERB) Sponsored Project

Applications are invited under the sponsored project. The details of the project are as under:

Position	JUNIOR RESEARCH FELLOW
Number of Position (s)	01 (one)
Title of The Project	Assessing tsunami vulnerability of low-rise structures by SPH modelling
Principal Investigator	Dr. Sukanta Chakraborty, Department of Civil Engg., IIT (ISM) Dhanbad
Tenure of Project	The position is temporary and co-terminus with the project which is sanctioned for a period of Three YEARS .
Job Description (in maximum of 100 words)	Structural performance and damage assessment for the tsunami wave loading via numerical modelling. To estimate the tsunami wave loads as a function of governing parameters of flow and topology characteristics through SPH modelling and validating with laboratory flume test. Analyze data, draft reports and manuscript preparation to help ensure the timely and successful completion of the project, in consultation with the PI. The selected candidate may be allowed to enroll for Ph.D. program if the required criteria for Ph.D. admission of IIT(ISM) Dhanbad are satisfied.
Essential Qualification	Qualified GATE/Appropriate National Level Examination or IIT graduates (Masters and/or Bachelors degree holders) having a CGPA/OGPA of 8.0 An applicant must have a Masters degree in Civil Engineering in the relevant subject with first class/division or a minimum of 60% marks/CGPA of 6.0 (on a 10 point scale) with B.Tech. / B.E. in Civil Engg./ Env. Engg.
Desirable Qualification	The candidate is expected to be conversant with Fortran, FEM software (eg: ABAQUS, ANSYS) for structural modelling and scaling laws for laboratory tests. In addition, basic knowledge on fluid mechanics is desirable.
Age and Relaxation (if any)	The upper age limit is 30 years at the time of appointment (Age relaxation for SC/ST/OBC/PH/Female candidate as per GoI rules)
Fellowship	Fellowship: @ 31,000/- per month for first two years and: @ 35,000/- per month for third year.
Last Date & Time	February 15, 2022 and 6:00 PM
Application Procedure	Interested and eligible candidates are requested to email their CV, mark sheets, certificates, experience certificates in a .zip file to the Principal Investigator (Email: sukanta@iitism.ac.in) before 6 PM on February 15, 2022.
Shortlisted candidates will be informed on the date of interview. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be short listed based on their merit and as per the requirement of the project. No TA/DA will be paid to attend the interview.	