



**Indian Institute of Technology (ISM) Dhanbad**  
Office of the Dean (Research & Development)

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| <b>Sanction No and Date:</b><br>EE-55 dated 31/03/2026 | <b>IIT (ISM) Project No.</b><br><b>SRDP1300I</b> | <b>Date:</b><br>15-07-2026 |
|--------------------------------------------------------|--------------------------------------------------|----------------------------|

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

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| <b>Position</b>                                  | Coal India S&T Junior Research Fellow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Number of Position</b>                        | 02 (Two) [1 UR and 1 SC/ST]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Title of the Project</b>                      | <b>Near-Time Flash Flood Forecasting in Mining-Affected Catchments: Integrating Hydrological Models, Altered Topography &amp; Weather Data</b>                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Principal Investigator</b>                    | Prof. Vittal Hari, Environmental Science and Engineering Department, IIT (ISM), Dhanbad, Jharkhand, India. Email: <a href="mailto:vittal@iitism.ac.in">vittal@iitism.ac.in</a>                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Co-Principal Investigator</b>                 | Prof. Shushobhit Chaudhary, Civil Engineering Department, IIT (ISM), Dhanbad, Jharkhand, India. Email: <a href="mailto:shushobhit@iitism.ac.in">shushobhit@iitism.ac.in</a>                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Tenure of Project</b>                         | The position is temporary and will last for <b>2.5 years</b> or until the project ends. <b>The selected candidate may be considered for Ph.D. enrollment</b> , subject to fulfilling the admission criteria of IIT (ISM), Dhanbad and their performance during the project tenure.                                                                                                                                                                                                                                                                              |
| <b>Job Description (in Maximum of 100 words)</b> | The candidate will focus on developing flood model over the mining intensive region of Jharkhand. Selected candidates will do field work, collect the data, develop a DEM and eventually the flood model using MIKE software.                                                                                                                                                                                                                                                                                                                                   |
| <b>Essential Qualification</b>                   | <b>1. Candidate must be GATE/NET qualified.</b><br><b>2. Candidates must have:</b> <ul style="list-style-type: none"><li>• M.Tech in Water Resources Engineering/ Hydraulic Engineering/ Hydrology/Environment Engineering/ Geoinformatics/ Remote Sensing &amp; GIS/ Civil Engineering/ Earth Sciences or equivalent specializations.</li></ul> <p style="text-align: center;"><b>OR</b></p> <ul style="list-style-type: none"><li>• Msc in Environmental Science / Atmospheric Science / Geology or Applied Geology / or equivalent specializations</li></ul> |
| <b>Desirable Qualification</b>                   | Exposure to hydrological modelling &/or large-scale climate and remote sensing datasets &/or proficiency in MATLAB, Python, or R.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Age and Relaxation (if any)</b>               | The upper age limit is 28 years at the time of application (Age relaxation for SC/ST/OBC/PWD/Female candidate as per GoI rule).                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Fellowship</b>                                | ₹ 37000/- p.m. + HRA for first two years<br>₹ 42000 /- p.m.+ HRA for third year<br>HRA can be admissible in lieu of non-availability of hostel accommodation.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Last Date &amp; Time</b>                      | <b>July 25, 2026 at 5:30 PM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Application Procedure</b>                     | Interested Candidates are advised to submit their application through the link <a href="https://forms.gle/GSV8rgoY3B7tVB3J9">https://forms.gle/GSV8rgoY3B7tVB3J9</a> on or before <b>July 25, 2026 at 5:30 PM</b> .                                                                                                                                                                                                                                                                                                                                             |



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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. All candidates should make their own arrangements for their stay at Dhanbad, if required. No TA/DA will be paid to attend the interview. Interview may be conducted online mode or in-person (physical) mode.

V. A. A. \*

Signature of PI