



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

Sanction No and Date: SRG/2022/001376 13 September, 2022	<b>IIT (ISM) Project No.</b>  DST(SERB)(338)/2022-2023/927/ESE	Date  12/10/2022
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**JRF position under (Name of Funding Agency) Project**

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

<b>Position</b>	<b>JRF</b>
<b>Number of Position (s)</b>	<b>One (1)</b>
<b>Title of The Project</b>	<b>Coastal Risk Analysis (CORAL): An India's perspective</b>
<b>Principal Investigator</b>	<b>Prof. Vittal H</b>
<b>Tenure of Project</b>	<b>2 years</b>
<b>Job Description (in maximum of 100 words)</b>	One of main product of the work will provide information pertaining to a prominent climate system causing the NIO cyclones, which can further be implemented in projecting their future changes. The next step – after the proper understanding of the hazard (cyclones) – is the comprehensive assessment of the risk to the coastal regions. Using a definition of IPCC AR5 and with a proper selection of the indicators for the individual component of the risk – viz., hazard, vulnerability, and exposure – the risk assessment will be performed for the historical and future scenarios.
<b>Essential Qualification</b>	MSc in Atmospheric Science, ME/MTech in Hydrology and water resources. GATE/NET is mandatory.
<b>Desirable Qualification</b>	Prior hands-on experience working with hydrological models, such as SWAT, VIC etc and also having an experience in coding in open source software – such as Python and R.
<b>Age and Relaxation (if any)</b>	Not more than 30 years
<b>Fellowship</b>	As per SERB norms, with emoluments being Rs 31,000 + HRA p.m. for the two years
<b>Last Date &amp; Time</b>	10/11/2022 and 23.55 PM  <a href="https://docs.google.com/forms/d/1SpHnz9-ljjDOTaeOqTt5TvII5ehQ66Dt6t1xg0M5Y9E/edit">https://docs.google.com/forms/d/1SpHnz9-ljjDOTaeOqTt5TvII5ehQ66Dt6t1xg0M5Y9E/edit</a>

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.

Vital

(Signature of PI)