



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

Sanction No and Date: CRG/2020/006264 dated Dec 30, 2020	<b>IIT (ISM) Project No.</b> DST(SERB)(273)/2020-2021/759/AGP	Date: 22.01.2021
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**RA position under (Name of Funding Agency) Project**

(SCIENCE & ENGINEERING RESEARCH BOARD (SERB), New Delhi)

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

<b>Position</b>	Research Associate (RA)
<b>Number of Position (s)</b>	01 (One)
<b>Title of The Project</b>	Joint Inversion of Gravity and Magnetotelluric Data with variable Density and Conductivity for Enhancement of Subsurface Imaging of the Sedimentary Environments Using Global Optimization Technique
<b>Principal Investigator</b>	Upendra K. Singh
<b>Tenure of Project</b>	36 Months
<b>Job Description (in maximum of 100 words)</b>	Development of the of state-of-the-art inversion algorithm for MT and gravity data in Matlab/Python platform, Development of the of global optimization for the application of Geophysical data. The candidate is expected to have field knowledge for the data acquisition especially gravity and MT data. Analysis and interpretation of the experimental data is to be carried out in order to understand the underlying geological knowledge.
<b>Essential Qualification</b>	PhD in Geophysics/Physics/Geology
<b>Desirable Qualification</b>	Experience in acquisition, processing and Modelling of gravity and MT data and Programming in Matlab/Python Platform.
<b>Age and Relaxation (if any)</b>	Upper limit is 40 years at the time of appointment and age relaxation as per GOI rules.
<b>Fellowship</b>	₹ 47,000.00 plus HRA
<b>Last Date &amp; Time</b>	29.01.2021

Candidates should send their applications with CV and supporting documents to [upendra@iitism.ac.in](mailto:upendra@iitism.ac.in)

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.

UPENDRA  
KUMAR SINGH  
(Signature of PI)

Digitally signed by UPENDRA  
KUMAR SINGH  
Date: 2021.01.22 12:06:10 -08'00'