



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

Sanction No and Date: RD/PROP/COL/483/2019; 19/10/2020	IIT (ISM) Project No.  Tata Steel/2020-21/733/Chemistry	Date: 24-11-2020
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**Project Assistant position under (Tata Steel Sponsored) Project**

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

<b>Position</b>	Project Assistant
<b>Number of Position (s)</b>	01
<b>Title of The Project</b>	Molecular modeling approach to design new binder for low grade iron ore pelletization
<b>Principal Investigator</b>	Prof. Niladri Patra, Assistant Professor, Department of Chemistry, Email: npatra2@iitism.ac.in.
<b>Tenure of Project</b>	One year (on contractual basis)
<b>Job Description (in maximum of 100 words)</b>	Development of new reagents with high binding strength with iron oxides and relatively stable at higher temperatures.
<b>Essential Qualification</b>	MSc in Chemistry (Specialization: Physical)
<b>Desirable Qualification</b>	The candidate should be GATE/NET qualified. Must have working knowledge of computational chemistry software packages (Gaussian, Quantum Espresso, etc) and programming will be added advantage.
<b>Age and Relaxation (if any)</b>	Upper limit is 28 years at the time of appointment.
<b>Fellowship</b>	INR 35000.00 per month for one year
<b>Last Date &amp; Time</b>	24-12-2020, 5.00 PM. Interested candidates are requested to send the application with detailed bio-data, educational qualifications, age-proof, and GATE/NET certificate (if any) to Prof. Niladri Patra by email (npatra2@iitism.ac.in).
Shortlisted candidates will be informed through email about the interview. The interview would be on online mode (google meet/Zoom) on 26-12-2020. The time along with the online details would be sent to the shortlisted candidates by 25-12-2020 by email. Mere possession of the minimum qualifications does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merits and as per the requirements of the project.	

*Niladri Patra*  
(Signature of PI)