



Indian Institute of Technology (Indian School of Mines), Dhanbad

The Office of Dean, Research & Development

TATA STEEL LIMITED	IIT (ISM) Project No.: TATA STEEL/2023-2024/1067/ESE	Date: 08.05.2024
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Research Associate (RA) position under Tata Steel R&D Project

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

Position	Research Associate (RA)
Number of Position	01 No.
Title of the Project	Reduction of Specific Fresh Water Consumptions (SFWC) at Ore Mines & Quarries (OMQ).
Principal Investigator	Prof. S. R. Samadder, email: samadder@iitism.ac.in
Co- Principal Investigator	Mr. Avinash Kumar (External)
Project Tenure	15 months or till completion of the project whichever is earlier.
Job Description (in maximum of 100 words)	Performing water system analysis for evaluating the detailed water consumption and wastewater generation from different units. Water audit of the plant to study water consumption in different processes like scrubber, screen, classifier, jigging operation, dust suppression. Evaluating the water losses & leakages from processing plant, tailing pond, etc. Recommendation for optimization from individual processes including water use for sprinkling. Calculating complete water balance for the facility. Strategize the implementation of process specific Reduce-Reuse-Recycling process in the study area for lowering the freshwater consumption and evaluating the water quality standards for the freshwater and discharge water from the facility.
Essential Qualification (s)	Ph. D in Environmental Science & Engineering, Civil Engineering, Water Resources Engineering, or having 3 years of research/ teaching experience after M. Tech with at least one research paper in Science Citation Indexed (SCI) Journal.
Desirable	Knowledge in water and wastewater quality analysis, water audit and water balance, mine water, and data collection from mine sites.
Age and relaxation (if any)	The upper age limit is 35 years (Age relaxation for SC / ST / PH / OBC, etc. as per GOI rules).
Fellowship	Rs. 58,000/- pm + 16 % HRA (HRA would be applicable only if Hostel Accommodation is not provided).
Last Date and Time	24.05.2024; 05.00 PM

Candidates are requested to submit self-attested copies of all the certificates regarding age, qualification, experience along with their CV in a single PDF file and Email to samadder@iitism.ac.in indicating the project title and Project number in mail subject. Shortlisted candidates will be informed about the date of interview. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per the requirements of the project. All candidates should make their own arrangement for their stay at Dhanbad, if required. No TA/DA will be paid to attend the interview. The interview may be held offline/online mode.

Signature of PI