



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

Sanction No and Date: S-20021/1/2024-Tech (E:18274) & 21.02.2024	IIT (ISM) Project No. MoS/2023-2024/1077/FMME	Date: 14.05.2024
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Applications are invited for the **Junior Research Fellow** (one post) under the MoS, GoI sponsored project.

The details of the project are as under:

Position	Junior Research Fellow
Number of Position (s)	01
Title of The Project	Development of sustainable technology for efficient utilization of goethitic ore through Magnetizing Roasting using Biochar
Principal Investigator	Dr. Shatrughan Soren
Tenure of Project	One (01) Year or till the completion of the project, whichever is earlier.
Job Description (in maximum of 100 words)	In this project, magnetizing roasting of low grade Indian iron ore from different mines using biochar and coal including estimation of techno-economical viability of the process at 50 kg per day scale.
Essential Qualification	M.Tech. degree in Mineral Engineering/Metallurgical Engineering/Chemical Engineering from a reputed engineering with First Class. The candidates must have GATE qualified certificate.
Desirable Qualification	Knowledge of mineral beneficiation, specially pelletization and reduction of iron ore, XRD data interpretation and optical micrographs study etc. with respect to the context of the project.
Age and Relaxation (if any)	30 years and relaxation as per the government norms
Fellowship	Rs. 37,000 p.m.
Last Date & Time	Interested candidates are required to send the soft copy of the complete bio-data/CV along with the self-attested copies of the educational qualifications, age proof, caste certificate etc. through email to the Principal Investigator (ssoren@iitism.ac.in) on or before 31.05.2024

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.

(Dr. Shatrughan Soren)
Principal Investigator