

## **Tirtha Biswas**

Tirtha is a Research Analyst at the Council on Energy, Environment and Water (CEEW). His research interest lies in mineral resource security and sustainable developments. His current work is in identifying the critical minerals for sustainable economic growth and future development of Indian manufacturing industry.

He holds a dual degree in Masters in Mineral Resource Management and Bachelors in Mineral Engineering from Indian School of Mines, (IIT) Dhanbad. His major dissertation project was titled "Separation Characteristics of Selected Size fractions of low volatile coking coal in an Operating Dense Media Cyclone". The work primarily focused upon the identifying certain process parameters to improve the coal washing capability of India, which is beneficial towards improving the overall footprint of current coal washing practices.

Before joining CEEW he was an exchange student in University of Porto, Portugal where he worked on several projects like reducing the environmental impact by treatment of acid-mine drainage from an abandoned tungsten mine. Also, he was a vacation research scholar at the University of Queensland, Brisbane where he assisted in development of an Online Risk Management module RISKGATE. RISKGATE is an on-line body of knowledge (BOK) that complements existing risk management processes to provide event-specific controls for people in the Australian coal mining industry who conduct and/or develop risk assessments, audits, incident investigations and management systems.

### **Publications:**

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