

# SOURAV CHAKRABORTY

Principal Geologist | Exploration Management Specialist



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## PROFILE SUMMARY

- An achievement- driven professional with more than **one and half decades** of professional experiences in **execution and management of mineral exploration and oil & gas projects**, in different geological and geographical settings across **India, African continent, Indonesia and Turkey**.
- I would like to work in a healthy environment that appreciates my skills and offers avenues for growth.
- Expertise in development of workflows based on new technologies for geological and geophysical interpretations and analysis
- Experienced in project management including data acquisition, processing, advance interpretation and implementing plans & procedures under stipulated environmental & safety conditions; major projects entail working as:
  - Detailed exploration on Copper Gold and Vandiferous Titano Magnetite in East and West Africa as Principal Consultant Geologist.
  - Principal Consultant Geologist** on Techno Commercial Evaluation on Graphite and Coal projects in India for 1 year.
  - Senior Geologist** on **Gold project** in Sierra Leone and **Marble project** in Uganda for 6 months.
  - Senior Geologist on Silica Sand & Quartz Pan India Survey for a year.
  - Senior Geologist & Head Operations** on porphyry **Copper Gold Project** in SE Turkey for 5 years; **Manganese, Chrome** in the western Turkey; **Base Metal** in Democratic Republic of Congo (DRC) for 4 years; For **Iron Ore** in Mauritania, Nigeria, Indonesia and India.
  - Mud Logging Geologist** in Assam, West Bengal and Andhra Pradesh, India
  - CAD Production Executive** in Mumbai, India
- Proficient in geological assessment and exploration planning leading to locating/ assessing mineral deposits and preparing comprehensive geological reports & maps
- Competent in managing stakeholders, informing them on future scenarios, maintaining key relations with clients by acquiring feedback on critical issues and taking suitable actions to ensure positive experience
- Excellent interpersonal, analytical, trouble shooting, leadership, negotiation and team building skills with cap ability in swiftly ramping up projects and build business & cultural strategic relationships

## EDUCATION



2007

**M.Sc. (Geology)**

Durgapur Government College,  
Durgapur, University of Burdwan

2005

**B.Sc. (Geology)**

Durgapur Government College,  
Durgapur, University of Burdwan

## CORE COMPETENCIES

Mineral Asset Evaluation



Exploration Planning & Targeting



Mineral Exploration Management



Geological, Geochemical and  
Geophysical Surveys



Sampling & QAQC



Exploration Report Preparation



## CAREER TIMELINE (RECENT 5)



## WORK EXPERIENCE

### ***GeoRocks Consulting, Innourbia Solutions Pvt. Ltd. & Elitech Earth Science Pvt. Ltd. Jul' 21 – Till Date*** **Project Manager, Principal Consultant (Exploration Geology)**

#### **Projects:**

- Detailed exploration of Vanadiferous Titano Magnetite at SW Togo.
- Reconnaissance and detailed study on Polymetallic deposit in Central Tanzania.
- Techno Economic Evaluation of Graphite in Odisha & Tamil Nadu and at the most unexplored area in Arunachal Pradesh, India.
- Due Diligence study of Coal in Jharkhand, India
- Detailed Exploration activity on Marble in Uganda.
- Pitting Trenching & Sampling, Mapping of Gold project Sierra Leone
- Detailed Surface & Opencast Mapping, Core logging and Managing Supervision of an Iron ore exploration project in Odisha, India.
- Project Generation- Silica Sand & Quartz Pan India Survey
- Geological Mapping Project for Iron ore in Meghalaya, India

#### **Key Result Areas:**

- Spearheading detailed exploration including exploration planning, budgeting and team management.
- Planning and conducting geological exploration involving, field studies and surveys; sample collection.
- Managing technical work and execution such as geological & structural mapping in different scales.
- Detailed Geological Surface Mapping (1:5000) and further recommendations for several commodities.
- Detailed Geological Mapping (1:1000) in Open- Cast Iron Ore Mine to demarcate Ore body and its host rock & structure
- Supervision on Topographic survey.
- Supervision & guiding the entire project team on site and monitoring drill rig activities.
- Interpreting the exploration data like mapping, logging and geological cross sections.
- Utilising software for preparation of geo referenced map, anomaly maps & so on.
- Creating and sustaining a dynamic environment that fosters development opportunities and motivates high team performance.
- Weekly Client meeting.

### ***Amoc Madencilik Dis Tic A.S. May' 18 – Apr' 21***

#### **Exploration Manager**

#### **Project:**

- Porphyry Copper Gold Exploration at SE Turkey
- Podiform Chromite Exploration

#### **Key Result Areas:**

- Spearheading reconnaissance to detailed exploration including exploration planning, budgeting and team management
- Planning and conducting geological exploration involving, field studies and surveys; sample collection; Geological Mapping on various scale, Pitting & Trenching, drilling and testing programs to collect data for resource modelling, assessment and to support process development related research activities and finally leading to optimised and scientific exploitation of raw material resources.

- Underground mine visit and Lithology & structural mapping in detail.
- Detailed geological mapping in 1:500 scale on Opencast chrome mine.
- Managing technical work and execution such as geological & structural mapping in different scales.
- Steering planning and execution for Soil & Rock Sampling, Pitting & Trenching, Diamond Drilling.
- Conducting planning and execution of Ground Geophysical Survey i.e. IP & Resistivity and Gradient Array.
- Interpreting the exploration data and drill target selection along with drill core logging and geotechnical studies.
- Ensuring sampling and sample preparation as per international standard and QAQC.
- Utilising software for preparation of geo referenced map, anomaly maps, geological cross sections & so on.
- Developing geological block models for assessment of resources.
- Preparing the geological maps, cross-sectional diagrams, charts, and reports concerning geological resource, mineable resource, quality parameters, and resource management based on field assessments, exploration/ modelling data, results of laboratory research and wide experience.
- Creating and sustaining a dynamic environment that fosters development opportunities and motivates high team performance.

### ***Kripto Insaat Ve Madencilik Ltd. Dec'16 – Apr'18***

#### **Head Operations**

##### **Projects:**

- Manganese in the North Western Turkey
- Manganese & Chromite in South Western Turkey
- Manganese & Copper in Central Turkey

##### **Key Result Areas:**

- Spearheaded exploration project management and drilling (planning of Drill holes location and mentoring juniors for core logging)
- Steered cross-functional roles including Technical Report Writing, Financial Budget Management and Team Leadership
- Presented various reports to the management, partners, government bodies and other representatives; liaised with Government Mining Department and several service providers as company representative

### ***Agora Metals SARL Mar' 13 – Oct' 16***

#### **Senior Exploration Geologist**

##### **Projects:**

- JV Project of MMG Ltd. Australia and Agora Metals SARL, DRC at Copper Belt, Katanga Province, Democratic Republic of Congo from January
- JV Project of Trafigura and Agora Metals SARL, DRC at Copper Belt, Katanga Province, Democratic Republic of Congo

##### **Key Result Areas:**

- Steered detailed exploration and exploration related administration and statutory compliance.
- Detailed Geological mapping of numerous quarry in 1:500 scale.
- Undertook camp set-up and access preparation for smooth exploration activity.
- Conducted Aeromagnetic and Ground Geophysical Survey, i.e. IP& Resistivity, Magnetic & AMT.
- Geological mapping with geochemical sampling at various grid patterns.
- Planning and execution of RCD and DD, Chip and core sampling along with QAQC.
- Coordination with Government officials.

### ***Earthstone Group Oct'11 – Feb'13***

#### **Exploration Geologist**

##### **Projects:**

- Mauritania: Reconnaissance Survey on Iron and Chromite in South Mauritania.
- Indonesia: Reconnaissance Survey on Iron and Manganese in Sumatra Island and Java
- Nigeria: Prospection of Iron, Manganese and Niobium in Kaduna State, Zamfara State, Kogi State and Nasarawa State

##### **Key Result Areas:**

- Led reconnaissance survey, detailed exploration and administration in coordination with government's Mining Division
- Steered identification of ore-body and associated lithology along with structural details and Geological Mapping to the scale of 1/500 and 1/25000 including sampling of various grid patterns.
- Conducting Geophysical Exploration and Technological work with sampling at different style.

### ***Oil Field Instrumentation India Limited Oct'09 – Oct'11***

## Mud Logger

### Projects:

- Oil and Natural Gas Corporation Ltd, India, Onshore project at Silchar, Assam (India)
- Gazprom, Offshore Project at Bay of Bengal (India)
- Oil and Natural Gas Corporation Limited's, India, onshore project at Midnapur, West Bengal (India)
- Hindustan Oil Exploration company, India, onshore project at Margherita, Assam (India)
- Oil and Natural Gas Corporation Limited's, India, onshore project at Midnapur, West Bengal (India)
- Oil and Natural Gas Corporation Limited's, India, onshore project at Katrinikona in Rajahmundry, Andhra Pradesh (India);the deepest well in K.G Basin
- Oil and Natural Gas Corporation Limited's, India, onshore project at Wadala Rebu in Rajahmundry, Andhra Pradesh (India); worked in HPHT here

### Key Result Areas:

- Led mud logging for oil exploration; monitored Oil & Gas wells at different phases
- Performed Well Cutting Analysis: Lithology and hydrocarbon identification using Fluoroscope, Microscope, Calicimetry, Shale Density equipment
- Prepared Mud Logs and Composite Logs using software and end of well reports as required by client
- Undertook real time mud log data analysis: supported other disciplines through trend analysis and preparation of kill sheet during drilling risk reduction by informing the authorities about Torque, Drag, Swab, Surge and Hydraulics (Lag time Calculation, Capacity, Metal Displacement & so on)
- Monitored Mud Logging Unit including sensor calibration and hardware management
- Steered RIH Casing, Liner, Cementation, LOT/FIT, Milling, Coring, Wire line Logging, LWD and MWD
- Managed Rig up and Rig down of mud logging unit along with hardware and software installation

## ROLTA India Limited Jul'07- Oct'09

### CAD Production Executive (GIS based Utility Projects)

### Projects:

- GUC (Greenville Utility Commission, USA): Water, Layout & Utility; Project deals with laying & maintenance of water service lines
- IBM-NI-SOURCE, USA: gas project; Project deals with gas connection provided, their database maintenance, queries generation and updating
- SPRINGFIELD, USA: Landbase, Water & Gas Project; Project, deals with laying & maintenance of water and gas service lines
- National Fuel Gas: Landbase & Gas Project; Project which deals with gas connection

## IT SKILLS

- Mapinfo Discover 2019.2, Surpac training completed, GPS Trackmaker 13.8, Google Earth, Base Map 4.2.2.0, Map Source, Global Mapper 13.2,

## INDUSTRIAL TRAINING

- Seismic Data Acquisition, Seismic Data Processing and Seismic Data Interpretation for one month under ONGC, Dehradun

## PERSONAL DETAILS

Address	: Village: Hathkola Para, P.O. - Birnagar, Dist. Nadia, PIN - 741127, W.B.
Languages Known	: Fluent: English, Hindi, Bengali. Beginner: Swahili, French and Turkish.
Date of Birth	: 6 <sup>th</sup> January, 1983
Nationality	: Indian
Passport No.	: P9003743