

# Satyajit Mahanta

M.Sc. (Geology)

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Well site Geologist with 1 years of experience working at Exploration and Production division with an expertization in detailed well site operations. Seeking a platform to frame myself as a responsible Geologist. Possesses Impeccable verbal communication skills and Interpersonal skills.

## SUMMARY OF TECHNICAL SKILLS

- **Well site Geologist :-** Study of G.T.O. and required geological and drilling parameter for smoothening of operation.
- **Well Analysis :-** Monitoring the drilling parameter as per requirement, Lag time calculation, well deviation and sample collection for sampling.
- **Mud Drilling/Air Drilling :-** Monitoring of mud parameter(mud weight & viscosity), rate of discharge, control over if any loss up to sub surface then switch to air drilling in production zone, checking on flow and sample output.
- **Geophysical Logging(OHL & CHL) :-** Supervise Geophysicist in depth correlation lithological guidance, analysis of several electro log parameters(Density, Resistivity, Gamma-Calliper), Cement Bond Log(CBL) determination for frac. job for production zone correlation.
- **Well site Operations :-** Supervise on drilling operation as required, advice in casing lowering, collar, shoe, basket settlement. Supervision in cementing operation, etc.
- **Sampling & Litholog :-** Preparation of descriptive lithology for detailed geological investigation as per findings, report preparation, formation evaluation & correlation, etc.
- **Core/Non-Core drilling :-** Drilling of coal seams through coring/non-coring drilling techniques as per requirement to investigate the stratified coal seams and it's characteristics in various geological formations.

## PROFESSIONAL EXPERIENCE

**Company :-** PRABHA ENERGY PRIVATE LIMITED

**Role :-** WELL SITE GEOLOGIST

**Location :-** Hazaribagh, Jharkhand (Onshore project)

**Responsibilities :-**

- Drilling monitoring :- Mud drilling & Air drilling
- Formation evaluation & Litholog preparation
- Sampling for finding out potential zone for production of gas
- Mud parameter monitoring
- Analysis of Geophysical log (Density, Resistivity, Gamma-Calliper)
- Analysis of CBL-VDL for determination of cementing quality in well
- Health and Safety of the third party worker
- Man management

## EDUCATION

Year	Degree/Exam	University	Institute	CGPA/Marks
2019	Master Degree	Ranchi University	Ranchi University	82.75%
2017	Graduation	North Orissa University	D.D. Autonomous College, Keonjhar	80.5%
2014	Intermediate/+2	CHSE, Odisha	Gonasika Jr Sci College, Keonjhar	76.83%
2012	Matriculation	BSE, Odisha	SSVM, Champua	85.5%

## PROJECTS

**Project Title: “Petrological Study of Ashoka Block of North Karanpura Coalfield”**

**Project Guide: Professor Dr. Bacha Ram Jha**, Department of Geology, Ranchi University.

## TRAINING

### Field Training in M.Sc.

- Sedimentology fieldwork in the Lower Gondwana group of rocks organized by Geological Survey of India in Dudhinala, Jharkhand.
- Mineral, Rock types, Structure identification in Hehal hill, Bariatu hill, Tagore hill, Patratu valley of Ranchi, Jharkhand.
- Study of granite cutting, polishing and making tiles in Tupudana, Jharkhand.
- Study of coal sampling and coal preparation in CSIR CIMFR Ranchi, Jharkhand.

- Field study on General Geology, Stratigraphy and Economic aspects in the area of Chelangi Granite Mines and Balasiring, Ranchi, Jharkhand.

### **Field Training in B.Sc.**

- Study of ore deposits and mining operations in Sukinda Chromite mine & Joda Tata iron ore mine.
- Detailed Geological mapping of various outcrops around Kendujhar district.
- Study of rock types and geologic structures in Handibhanga, Khandadhar & Bhimkund Area of Kendujhar district, Odisha.
- Detailed Structural mapping of the outcrops in Birgobindpur, Kendujhar.

### **Other Training**

Attended **Tier III Training** organized by **Central Ground Water Board(CGWB)**, SE Zone, BBSR on **"Water Conservation & Local Groundwater related issues"** held at Kendujhar, Odisha in 2015.

### **SKILL AND EXPERTISE**

- Software Skills: Google Earth, GeoRose, Autocad, ArcGIS
- Post Graduate Diploma In Computer Application (**PGDCA**)

### **EXTRA CURRICULAR ACTIVITIES**

- Secured **1<sup>st</sup> position** in the **MINREX** event held during **PRITHVI'18** at IIT Kharagpur.
- Awarded **PRERANA & MEDHABRUTI** Scholarship by Govt. of Odisha.
- Awarded **FREE LAPTOP FOR MERITORIOUS STUDENT** by Govt. of Odisha.
- Awarded in **District and Block level competitions** in sports like 100m, 200m, kabaddi.
- Organizing and Participating in Blood Donation Camp in Kendujhar.

### **DECLARATION**

I here declare that all information furnished in this resume to be true to the best of my knowledge and that I shall be solely held responsible if any discrepancy is detected by concerned authority.

*Satyajit Mahanta*

(SATYAJIT MAHANTA)