

**A**  
**DISSERTATION REPORT**  
**ON**  
**BAILADILA IRON ORE PROJECT (DEPOSIT - 5, 10 & 11A)**  
**WITH PARTICULAR REFERENCE TO MINING WORK, QUALITY**  
**CONTROL AND ENVIRONMENTAL IMPACT**  
**AT**  
**BAILADILA IRON ORE MINE, NMDC BACHELI COMPLEX**  
**DIST. DANTEWADA, CHHATTISGARH**

Submitted in partial fulfilment of the curriculum of the  
Degree of  
**MASTER OF SCIENCE IN GEOLOGY**



**GUIDED BY**

Dr. S.D. Deshmukh  
Head of Department  
Geology

**DEPARTMENT OF GEOLOGY**

**SUBMITTED BY**

Sweety Sharma  
M.Sc. Geology  
MSc 4<sup>th</sup> Semester

**GOVT. V.Y.T. PG AUTONOMOUS COLLEGE, DURG (C.G.)**  
**Affiliated to HEMCHAND YADAV VISHWAVIDYALAYA, DURG**  
**(C.G.)**  
**SESSION 2022-23**

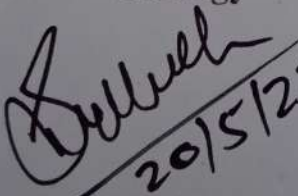
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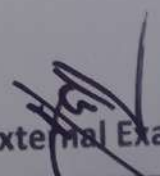
**GUIDED BY**

Dr. S.D. Deshmukh  
Head of Department  
Geology

  
20/5/23  
Internal Examiner

**SUBMITTED BY**

Sweety Sharma  
M.Sc. Geology  
4<sup>th</sup> Semester

  
External Examiner



एनएमडीसी लिमिटेड

(भारत सरकार का उद्यम)

**NMDC Limited**

(A Government of India Enterprise)

CIN - L13100TG1958GOI001674



ISO 9001 : 2008  
ISO 14001 : 2004  
ISO 18001 : 2007

बैलाडीला आयरन ओर माईन, बघेली कॉम्प्लेक्स  
बघेली - 494553

जिला - दक्षिण बस्तर दंतेवाड़ा (छ. ग.)

Bailadila Iron Ore Mine, Bachel Complex

Bachel - 494553

Distt - South Bastar Dantewada (C. G.)

Fax : 07857-230423, 230310, 230170, 230225

No.DGM (Min)/T,S&E/HRD-20/Vol-XXV/2023/3589

Date:30.01.2023

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that **Ms. Sweety Sharma**, student of M.Sc. (Geology) IV<sup>th</sup> Semester from Govt. V.Y.T. PG Autonomous College, Durg (C.G.) has completed Vocational Training at Mining, Survey, Geology and Quality Control dept., Bailadila Iron Ore Mine, Bachel Complex of M/s. NMDC Limited from 16.01.2023 to 30.01.2023.

During the training period her conduct and works were found good.

  
30.01.2023  
(Shiv Shankar Prasad)

Training Officer/DGM (Min)T,S&E

प्रशिक्षण अधिकारी

Traning Officer

बी.आई.ओ.एम. बघेली कॉम्प्लेक्स

B.I.O.M. Bachel Complex

A

**DISSERTATION REPORT ON GEOLOGICAL STUDY OF DALLI-RAJHARA  
IRON ORE DEPOSIT BALOD DISTRICT (C.G.)**

Submitted as partial fulfillment of the curriculum of the degree of

**Master of Science Geology**



**GUIDED BY:**

**DR. S.D. DESHMUKH**

**HEAD OF DEPARTMENT**

**SUBMITTED BY:**

**ANKUSH SHUKLA**

**M.Sc. 4<sup>TH</sup> SEM. GEOLOGY**

**DEPARTMENT OF GEOLOGY**

**GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE, DURG (CG)**

**SESSION: 2022-23**



**GEOLOGICAL STUDY OF DALLI-RAJHARA IRON ORE DEPOSIT**

**BALOD DISTRICT (C.G.)**

**BY**

**ANKUSH SHUKLA**

**A DISSERTATION**

**SUBMITTED TO DEPARTMENT OF GEOLOGY**

**GOVT. V.Y.T. PG AUTONOMOUS COLLEGE, DURG**


**IN PARTIAL FULFILMENT OF REQUIREMENTS**

**FOR THE DEGREE OF MASTER OF SCIENCE IN GEOLOGY**

**2022-23**

**SUPERVISED BY DR. S.D. DESHMUKH AND DR. VIKAS SWARNKAR**

  
**EXTERNAL EXAMINER**

  
**INTERNAL EXAMINER**





No. MINES/IOC/T&S/VT/2023/101

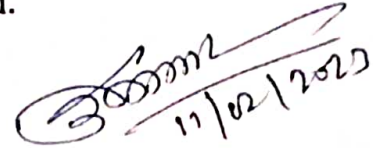
Dated: 11/02/2023

## CERTIFICATE

Mr. ANKUSH SHUKLA, Roll No. 210603, student of M.Sc. Geology, 4<sup>th</sup> Semester of Govt. V.Y.T. PG Autonomous College, Durg (CG) has undergone Vocational Training in Iron Ore Mines of Bhilai Steel Plant at IOC, Rajhara from 01/02/2023 to 11/02/2023

He has completed the above training successfully.

During the training period his behavior was found good.

  
11/02/2023

(Satyendra Kumar)

DGM (Training & Safety)

IOC, Rajhara

Bhilai steel Plant, SAIL

आप हमारे साथ हिन्दी में भी पत्र व्यवहार कर सकते हैं।

पंजीकृत कार्यालय : इस्पात भवन, लोधी रोड, नई दिल्ली - 110 003 Regd. Office : Ispat Bhawan, Lodhi Road, New Delhi - 110 003

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**GUIDED BY:**

DR. S.D. DESHMUKH

HEAD OF DEPARTMENT

**SUBMITTED BY:**

SHWETA SINGH

M.Sc. 4<sup>TH</sup> SEM. GEOLOGY

**DEPARTMENT OF GEOLOGY**

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**SESSION: 2022-23**

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BALOD DISTRICT (C.G.)**

**BY  
SHWETA SINGH**

**A DISSERTATION  
SUBMITTED TO DEPARTMENT OF GEOLOGY  
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No. MINES/IOC/T&S/VT/2023/101


Dated: 11/02/2023

## CERTIFICATE

MISS SHWETA SINGH, Roll No. 210619, student of M.Sc. Geology, 4<sup>th</sup> Semester of Govt. V.Y.T. PG Autonomous College, Durg (CG) has undergone Vocational Training in Iron Ore Mines of Bhilai Steel Plant at IOC, Rajhara from 01/02/2023 to 11/02/2023

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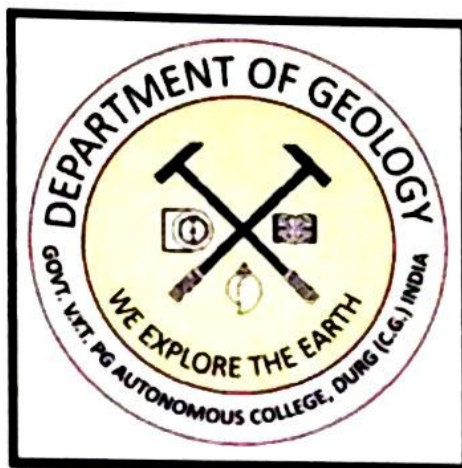
**DEPARTMENT OF GEOLOGY**

**SUBMITTED BY**  
**Sandeep Sahu**  
**M.Sc. Geology**  
**MSc 4<sup>th</sup> Semester**

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*S.D. Deshmukh*  
20/5/23

Internal Examiner

**SUBMITTED BY**  
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4<sup>th</sup> Semester

*Sandeep Sahu*  
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