

“Study Tour Report on”

**“CHAMORSHI GONDPIPRI - POMBHURNA
SURROUNDING AREA”**

Submitted By
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M. Sc. I SEM (Geology)

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Department of Geology

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HOD
Department of Geology



**POST GRADUATE DEPARTMENT OF GEOLOGY MAHATMA
GANDHI ARTS, SCIENCE & LATE N. P. COMMERCE COLLEGE
ARMORI, DIST. GADCHIROLI (M.S.) 441208
2021-2022**




**POST GRADUATE DEPARTMENT OF GEOLOGY
MAHATMA GANDHI ARTS, SCIENCE & LATE N. P.
COMMERCE COLLEGE ARMORI. DIST.
GADCHIROLI (M.S.) 441208**

Dr. C. P. DORLIKAR
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Certificate

This is to certify that this Report on “STUDY TOUR REPORT ON”
“CHAMORSHI GONDPIPRI - POMBHURNA SURROUNDING AREA” Being
submitted here as a part – fulfillment for degree of Master of Science in Geology, Faculty of
Science, Mahatma Gandhi Arts, Science & Late N. P. Commerce College Gondwana
University, Gadchiroli, embodies result of the bonafide Study Tour field work carried out by
Miss. Prachi K. Uikey, during Academic Year 2021-22.

I further certify that work has not formed the basis for the award of any such
degree, diploma or other title earlier.


19/12/2021
Dr. C.P. Dorlikar
HEAD
Dept. of Geology
Department of Geology,
M.G.C. Armori

Date: 19/12/2021
Place: Armori




Principal
Mahatma Gandhi Arts,
Science & Late
N. P. Commerce College,
Armori, Dist - Gadchiroli

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Chapter 1

INTRODUCTION

1.1 Purpose of field work:

Geology is essentially a field science best studied and understood through extensive field work. A thorough knowledge of the subject therefore demands a good deal of field work and a proper understanding of rocks and their structures observed in the field itself. A student of geology should be familiar with usual techniques and procedures of geological field work associated with it. Geological field work is a serious exercise and any casual approach may affect its accuracy and hamper its usefulness.

Adequate theoretical knowledge of Mineralogy, Petrology, Structural Geology and Stratigraphy helps one in drawing responsible inferences from his/her observations during field work.

Things in nature are very different and complicated than in laboratory, because every process in nature is acted by so many conditions.



**Fig 1- Department of Geology Students with Dr. C.P. Dorlikar Sir, Prof Ganvir Sir,
Lecturer Miss. Diksha Wanmali Mam.**

Mahatma Gandhi Arts, Science & Late N. P. Commerce College, Armori.

2021-2022



(Signature)
Principal

1.2 Aim and objectives:

The main aim and objectives of geological field excursion are as follows;

- 1) To do geological mapping of the area under study.
- 2) To study the mineralogy, petrography of different rocks found in the areas.
- 3) To study the different structures and micro structures of the areas.
- 4) To interpret the geological activities undergone in the area.
- 5) To determine the geological age and sequence of rocks and to interpret the environment of deposition of sediment on the basis of fossil contents.
- 6) To know the economically important minerals potential of the area.

1.3 Scope of Present Work:

The present tour program is a part of curriculum of the M.Sc. Geology, Gondwana University, Gadchiroli (M.S.). This tour provides an opportunity to learn the field Geology and also enables to facilitate the technical report writing.

The scope of present work is though limited to preliminary investigations, but it is also a worthy document of the sum of accurately measured sections and large scale gridded maps. Therefore the present report could be considering an important document to further a detailed geological investigation of the areas.

1.4 Previous work:

The copper mineralisation at Thanewasna, Chandrapur district, Maharashtra occur in the quartz veins, hosted within granitoid rocks and are exposed intermittently for about 30km along the western margin of Bastar Craton. The quartz veins show a preferred orientation in NW-SE to NNW-SSE along shear zone and endure signs of brittle deformation and occasionally associated with Cu+Fe+Ba±Au mineralisation. Mineralisation comprises of mainly chalcopyrite and pyrite with minor barite. Significant concentrations of trace elements such as Ba, Sr, Co, Cu, Ni and Zn occur in the quartz veins, albeit their indiscriminate



Some gneiss is durable enough to perform well as a dimension stone. These rocks are sawn or sheared into blocks and slabs used in a variety of building, paving, and curbing projects.

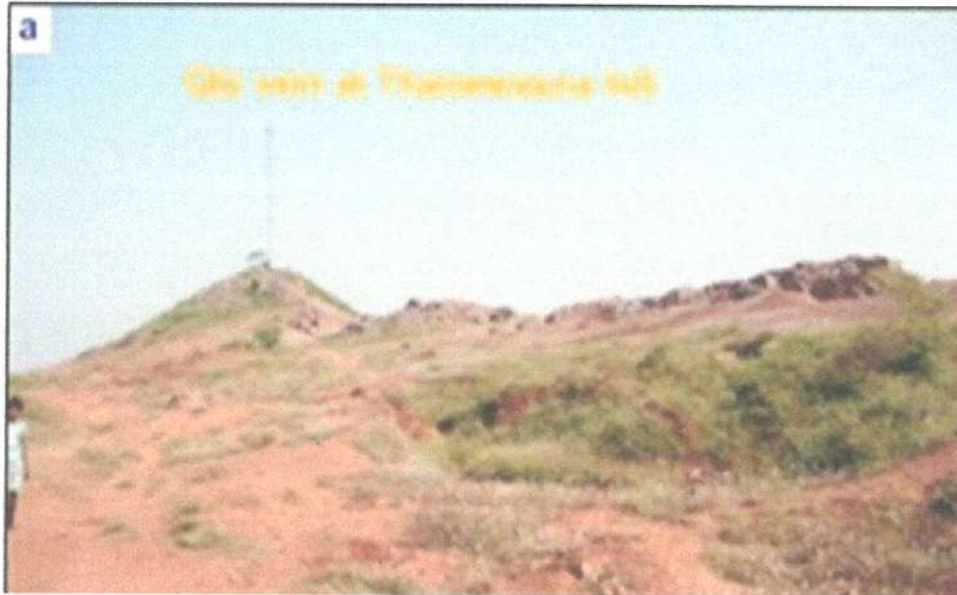
Some gneiss accepts a bright polish and is attractive enough for use as an architectural stone. Beautiful floor tiles, facing stone, stair treads, window sills, countertops, and cemetery monuments are often made from polished gneiss.



Department of Geology B.sc & M.sc students and faculty, GSI Officers. Wainganga River

GSI officers Explained about Gneiss





QTZ Vein at Thanewasana Hill


M.sc Students batch 2021-2022



Latitude: 19°50'
Longitude: 79°44'7"
Elevation: 252.63±50 m
Accuracy: 34.8 m
Time: 11-30-2021 15:06
Note: Tour Geology 2021-22

Powered by RealCam




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N. P. Commerce College,
Armori, Dist - Gadchiroli



संदिप भ. खेवले,
वरिष्ठ भूवैज्ञानिक
Sandip B. Kheole,
Senior Geologist



भारत सरकार / Government of India
खान मंत्रालय / Ministry of Mines
भारतीय भूवैज्ञानिक सर्वेक्षण / Geological Survey of India
राज्य इकाई महाराष्ट्र, नागपूर / State Unit Maharashtra, Nagpur

To,
The Principal,
Mahatma Gandhi Arts, Science & Commerce College,
Armori-441208

Subject: One day geological field training for MSc. Geology students -reg.


Sir,

The Geological Survey of India, an attached office of the Ministry of Mines, Government of India is involved in carrying out variety of Geo-scientific studies in India. As a part of this programme, State Unit Maharashtra, Nagpur an operational unit of GSI in Maharashtra State has taken up the project titled, Reconnaissance survey for copper and associated base metal mineralization in the Chamorshi, Kurul, Bhiwapur area, Gadchiroli District, Maharashtra for field season 2021-22.

As a part of Bhuvismvad, a platform promoting interaction between Department of Geology/Earth Sciences in different institutions/Universities and the Geological Survey of India, one day geological field training has been arranged for the MSc students of Department of Geology from your college after telephonic conversation with Dr. C. P. Dorlikar, Head of Dept. of Geology and kind approval from the Dy. Director General, State Unit Maharashtra, GSI, Nagpur. In this connection, you may please be requested to spare and allow the MSc geology students of M. G. College for one day geological field training to be carried out in and around Chamorshi tahsil of Gadchiroli District and part of Chandrapur District, Maharashtra on 30/11/2021.

This is for your kind perusal and necessary action in this regard.

भवदीय/ Yours sincerely


24/11
2021

संदिप भ. खेवले/Sandip B. Kheole
व. भूवैज्ञानिक/Sr. Geologist
भारतीय भूवैज्ञानिक सर्वेक्षण/Geological Survey of India
रा.इ. महाराष्ट्र, मध्य क्षेत्र, नागपुर
SU Maharashtra, Central Region, Nagpur

**MAHATMA GANDHI ARTS, SCIENCE &
LATE NASARUDDINBHAI PANJWANI COMMERCE COLLEGE**

ARMORI, DIST. GADCHIROLI (M.S.) 441 208

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S.T.D.: 07137

Office: 266558/266043

Fax : 266558

E-mail : mgcollege.armori@gmail.com

Letter No. 305/2021

Date 25/11/2021

To,

Mr. Sandeep Kheole

Sr. Geologist

Geological Survey of India,
Central Region, Nagpur.

Subject – Regarding one day geology students' field visit cum training programme.

Reference – Our letter dated: 25/11/2021
Your letter dated: 24/11/2021

Dear Sir,

On behalf of reference cited, 44 students of the department of Geology are visiting at GSI project work area in Chamorshi Taluka, Dist. – Gadchiroli for one day field visit cum training programme on 30/11/2021.

Kindly accompany.

Regards...

Received
25/11/2021
संदीप भ. खेवले/Sandeep B. Kheole
भू-भूतज्ञानिक/Sr. Geologist
भारतीय भू-भूतज्ञानिक सर्वेक्षण/Geological Survey of India
ग.ड. महाराष्ट्र, मध्य क्षेत्र, नागपुर
SU Maharashtra, Central Region, Nagpur




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Letter No. 295/2021

Date 20/11/2021

To,

Mr. Sandeep Kheole

Sr. Geologist

Geological Survey of India,
Central Region, Nagpur.

Subject – Regarding one day geology students' field visit cum training programme.

Dear Sir,

The institution is committed to provide practical and field experience to the respective students. The department of Geology is one of the prime branch offering UG and PG courses. In view of Gondwana University Norms, academic development through field training is an obligatory process and hence, I forward request to accompany our geology students for one day field visit cum training programme at GSI project work area in Chamorshi Taluka, Dist. – Gadchiroli.

Looking forward for positive reply.

Received
20/11/2021

संदीप भ. खेवले/Sandip B. Kheole
ब. भूद्वैज्ञानिक/Sr. Geologist
भारतीय भूवैज्ञानिक सर्वेक्षण/Geological Survey
रा. इ. महाराष्ट्र, मध्य क्षेत्र, नागपुर
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Commerce College
Armori Dist. Gadchiroli (M.S.) 441208
DEPARTMENT OF GEOLOGY
GEOLOGICAL STUDY TOUR 2021-22
CLASS- B.Sc. Sem-V**

SR. NO.	NAME OF STUDENT	DATE OF BIRTH	BLOOD GR.	MOBILE NO.	ADDRESS	SIGNITURE
1	Pranay W. Meshram	16-4-00	B +	9404937372	Behind cooperative Bank Armori.	
2	Brajal B. Gadpayle	1/12/2000	O ⁺	8530960348	Behind itya doh office Armori	
3	Sanchit V. Juve	26/07/2000	O ⁺	8624990491	A.t. post Armori	
4	Tejankal S. Raut	20/8/2001	Bt	8080340697	Asmori	
5	Kajal Bhajankar	20/08/2000	B ⁺	8830783251	At. Po. Kondhala	
6	Sejal Bhajankar	17/07/01	O ⁺	9356069785	At. Po. Kondhala	
7	Namrata Juve	25-8-01	O +ve	9145104823	At. post Armori	
8	Aman Hichami	12-03-2001	O +ve	9011480493	A.t. gadchiroli	
9	Pradyot Ghatol	25/12/2004	O +ve	7887830879	Near city police station, Gadchiroli	
10	Tejas Dheage	2/4/2001	O +ve	8007450167	Palasgota Armori	
11	Amit Kale	16/5/01	O +ve	9325997718	Palasgoti Armori	
12	Pradip torc	23-11-2000	B +ve	9168204299	At Gangasagar Heti, Dist- Chandrapur	
13	Teherin Sheikh	25/8/2001	O +ve	9309052881	Armori	
14	Mrunmeshwari Sahar	16-11-00	A +ve	9403741098	At. post. Armori	
15	Anjali Inkanic	6/12/00	O +ve	9404035276	A. Thanegaon	
16	Sagar Wankhede	20/10/2000	B -	2218854158	Armori	
17	Tannu Barsagad	02/02/2002	A +ve	9130653665 9529761788	At. post. Armori	
18	Chetak Nandankar Nandankar	27/02/01	O +ve	7499187063	At. post, Asmori	
19						
20						
21						
22						



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POST GRADUATE DEPARTMENT OF GEOLOGY
GEOLOGICAL STUDY TOUR 2021-22
CLASS- M.Sc. Sem III**

SR. NO.	NAME OF STUDENT	DATE OF BIRTH	BLOOD GR.	MOBILE NO.	ADDRESS	SIGNITURE
1	ANKITA SURESHJI TADAM	27-04-1998	O+ve	9403737068	Vidya Nagar, Armori	<u>Tadam</u>
2	ASHWINI VASANT BHANDEKAR	23-04-1999	B+ve	9420513430	Near Nandanwan colony, Armori.	<u>Bhandekar</u>
3	KAJAL ARUN KUTHE				Absent	
4	KETAN SHANKARRAO GHOSE	05-09-1999	O+ve	9423681771	Armori Vidya Nagar Bud	<u>Khetan</u>
5	LINA PANDHARI MISAR	04-07-1999	B+ve	9359928796	At. Po. Shivani Tah. Armori	<u>Misar</u>
6	MAMTA BHAGWAN SAHARE	23-05-1999	O+ve	9623373944	At. Talodhi. Tah. Bhrompuzi dist. Chandrapur.	<u>Mahare</u>
7	NANDINI VINOD GEDAM	16-09-1999	O+ve	9829369002	Near gov. hosp. Katagota road	<u>Jr.</u>
8	NISHA RAMDS THAKARE	27-7-1999	B+ve	9422871193	At. post ^{Armori} Kadhoi	<u>Thakare</u>
9	POOJA TARACHAND GANVIR	16-10-1999	O+ve	9075911077	Azad chowk, Armori	<u>Ganvir</u>
10	PORNIMA PUNDALIK CHOUDHARI	05-10-1998	A+ve	9370669687	At adpalli, post gogav dist. Gadchiroli	<u>Pornima choudhari.</u>
11	PRANALI VIJAY KUTHE	01-12-1998	O+ve	9763687725	At. Po. Gothadgon Tah. kurkheda	<u>Ruthe</u>
12	PUJA RAJENDRA JUARE	16-09-1999	O+ve	8010809087	Bayar peth, Armori	<u>Juare</u>
13	SAPNA DIWAKAR TITIRMARE				Absent	
14	SAYALI RAMESH GADHAWA	19-05-1999	B+ve	9699841623	At. Gogam, Tah. Bhrompuzi, Dist. Chandrapur.	<u>Gadhave</u>
15	SHITAL DEVANAND VATGURE	15-7-1999	B+ve	7030128167	At. Post. Kurkheda Dist. Gadchiroli	<u>Vatgure</u>
16	SHWETA ANIL KHADKE	24-08-1998	O+ve	7875911741	A. Post Armori, Dis. Gadchiroli	<u>Khadke</u>
17	SHWETA ANIL KUNGHADKAR				Absent	
18	TEJASWINI SANJAY BEHARE	19-11-1998	B+ve	8830014166	At. post Armori Dis. Gadchiroli	<u>Behare</u>
19	TRUPTI DHANPALLANDGE	5-5-1999	A+ve	9307674539	At. post. Turbhi Dist. Gadchiroli	<u>Trupte</u>
20	VAIBHAV SHANKAR SALVE	3-12-1998	O+	8605269591	At. post Bamni Baraapw	<u>Salve</u>
21	VAISHNAVI VIJAY BUTLE				Absent	



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POST GRADUATE DEPARTMENT OF GEOLOGY
GEOLOGICAL STUDY TOUR 2021-22
CLASS- M.Sc. Sem I**


Sr.No.	Name Of Student	Date Of Birth	Blood Gr.	Mobile No.	Address	Signature
1	AMBATKAR SHIVANI ANIL				Absent	
2	BAWANGADE KHUSHBOO MURLIDHAR	13-12-1999	B ⁺ ve	9075926756	Waghala Bardi, Armori	Bawangade
3	BODNE VAISHNAVI ARUN				Absent	
4	BORKAR PRASHANT SUNIL	20-10-97		7773954755	Bardi, Armori	Borkar
5	DESHMUKH VAIBHAV JITENDRA				Absent	
6	DHANDARE VAIBHAV BHAIYYAJI	24-07-2000	B ⁺ ve	9325827953	Armori	Dhandare
7	DOMALE MAYUR HARISHCHANDRA				Absent	
8	DONADKAR ACHAL NANAJI DADAJI	03-11-2000	B ⁺ ve	9548428192	Waghala Bardi Armori	Donadkar
9	DONADKAR DIMPAL GIRIDHAR				Absent	
10	DUMANE ASHIWINI NARESH RAMESH	26-05-2000	AB ⁺ ve	9049455127	Hanuman Mandir Bardi Armori	Dumane
11	JANBANDHU HARSHALATA HARIDAS				Absent	
12	KAWALE HINA VINAYAK	03-07-2000	A ⁺	9404356585	Hanuman Nagar Kalagota Armori	Hawkale
13	KHAPARDE PARAG ARVIND					
14	KOPULWAR ARTI VASANT	17-6-2000	A ⁺	9545392259	Gaytoi Nagar Bardi Armori	Kopulwar
15	MANE PURVE BIKESHWAR				Absent	
16	PELANE KOMAL VINAYAK				Absent	
17	PRADHAN YASHASHRI CHANDU	10-8-2000	A ⁺	8080314293	Hanish mame leout Armori, Bardi Dis - gadchiroli	Pradhan



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18	SANGOLE ROHINI MADHAV				Absent	
19	SARVE ANKITA DADAJI				Absent	
20	SAYAM GAYATRI SHRIHARI				Absent	
21	SHELOTE CHETNA RAMESH				Absent	
22	SAYAM ABHILASHA NITIN				Absent	
23	UIKEY PRACHI KAWADU	10-5-1999	B+ (e)	7499195405	Kasturba ward, wadsa	Uikey.




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 N. P. Commerce College,
 Amroli, Dist - Gadchiroli