

# Shri Shivaji Science College, Amravati

## Department of Geology

### Report of Geological Field Excursion to Dongargaon fluorite mine

Department of geology had organized Geological field excursion to Dongargaon fluorite mine for BSc Geology I, II, and III year students as a part of fulfillment of B.Sc. Geology I, II, III Syllabus. 87 students of BSc geology I, II, and III attended the field excursion and they were guided by 3 staff members Dr.M.M.Deshmukh, Mr. S.K. Paunikar, Mr. K.P.Tiwari along with 1 non-teaching Staff member Mr.S.A Salbarde for assistance were present in complete field excursion.

Journey was done by bus and Mr. Sudershan Puri's three buses were booked with bus number as MH 12 OG 4932, MH 14 CW 2676 and MH 40 N 1689 with rate of 32 Rs./ Km for whole journey. Contact number for bus booking: - 9881761265.

#### ***Bus Journey was Executed as follows: -***

<b>Sr.No.</b>	<b>Date</b>	<b>Time</b>	<b>Schedule</b>
1.	20 <sup>th</sup> Sep. 2024	6:30Am	Students reported at college premises.
		7:00Am	Departed for Dongargaon fluorite mine
		9:00 Am	Breakfast at Devgaon from multiple local breakfast shops
		1.00 Pm – 3.30 Pm	Arrival and Field Excursion at Dongargaon fluorite mine
		3:30 Pm-4.30 Pm	Lunch at Dongargaon fluorite mine
		5:00 PM	Departure for College from Dongargaon fluorite mine
		10:30 PM	Arrival at college premises.
Journey End			

(20/09/2024): Spot 1: Sorting of fluorite as per grade

At starting of mine Mr. Devram Nilkhant Chaudhari, mine mate and Mr. Vikas Kalyankar, mine manager explained about the mine and the sorting process used at mine for separating the grades of extracted material.



Medium Grade Fluorite Possibly 60-65% Concentration



Low Grade Fluorite Possibly 45-50% Concentration



High Grade Fluorite Possibly above 70% Concentration

### Spot 2: Soil Profile and Fold.

At Spot 2 Soil Profile and Fold in the mine along with mineralization of fluorite structural controlled area was explained by Mr. S.K. Paunikar to students.



### Explanation of Soil Profile and Fold

### Spot 3: High Concentration of Fluorite.

Concentration variation of mineralization of fluorite was explained by Mr.K.P.Tiwari.



High Concentration of Fluorite in mine

Spot 4: Fold.

Formation of fold along with identification of anticline and syncline was explained by Dr.M.M.Deshmukh



Anticline and Syncline in Field



Dongargaon fluorite mine

Date: 22/09/2024

Place: Amravati

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