

**Dr. Ambedkar College Deekshabhoomi, Nagpur**  
**Department Of chemistry**

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**INDUSTRIAL VISIT to SUNFLAG STEEL PLANT, BHANDARA.**

**Visit Report**

**Date of Visit: 30/01/2019**

A batch of 53 students of B.Sc., Department of Chemistry, Dr Ambedkar College, and three staff coordinators, Mrs. Dr. Dhanshree Borikar, Dr V M Shivankar and Prof N G Telkapalliwar visited Sunflag Steel Industry at Bhandara on 30.1.2019. Sunflag Iron and Steel Co. Ltd. is a prestigious unit of the SUN FLAG GROUP.

**About SUN FLAG Industry:**

The plant is located in the central part of India at Bhandara, Maharashtra & it is 70 Kms from Nagpur. The plant has a capacity to produce 500,000 tonnes per annum of high quality special steel using liquid pig iron and sponge iron as basic inputs.

The main processes at the plant are, Iron making (Mini Blast Furnace, Sponge Iron Plant, Sinter plant), Steel Making, Continuous Casting, Rolling Mills, Heat Treatments, Bright Bar Making, Inspection, Quality Assurance. An HR division **Manager Mr. Virendra Maske** and HR trainer **Mr. Umesh Balpande** addressed the students and introduced about Sunflag and it's Japanese collaboration. He explained about the functioning of this Unit and later showed a video also. He also warned the students how to reach a safe assembly point if any accident happens in the unit during visit.

During this session, students interacted with him very effectively. Particularly about the chemicals used behind steel and iron production. He mainly focused on the storage of the raw materials.

Sunflag steel was incorporated as a Public Ltd Company in the year 1989. Started as a Spring Steel producer, the company has been continuously upgrading its Manufacturing and Quality Assurance Facilities. The company acquired technical skills to produce variety of steel grades conforming to various national & international requirements.

Products are available in various profiles – Round Bars, Round Cornered Squares in straight bars, Round & Hexagonal wire Rods as coils, Hexagonal and Flat sections straight bars, as well as Bright Bars.

These products are mainly used for manufacture of Automotive Transmission Gears, Drive Shafts, Steering System, Bearings, Exhaust System and Engine Components through hot forging, cold forming and machining operations. Their products also being supplied to Indian Railways, Ordnance Factories, Power Sectors & other General Engineering areas for manufacture of critical application components.

After this students visited the Chemical Laboratory and R&D unit of the plant, where various tests were performed in the testing Laboratory. Students learned there working of **Scanning Electron Microscope (SEM)** and **Ultrasonic Immersion Testing**. **Mr. Amol Kubde, Head R&D** unit explained all the functioning of this unit. Students also visited the Iron making and steel making process in blast furnace, casting and rolling mills. Pure steel is prepared in the plant. Some other important metal sheets for vehicles also prepared in this plant. Maximum prepared materials are being exported from this plant. The plant has mini blast furnace, electric arc furnace, Casting unit, etc. Students also visited the Heat treatment plant and quality assurance testing Laboratory. Company manufacturing Carbon steels, spring steels, micro-alloy steels and stainless steels.

This visit was highly useful for the students in terms of practical knowledge about the steel and iron production and will also be helpful for students to find placement opportunities in such industries.



## DR. AMBEDKAR COLLEGE

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No. AC / \_\_\_\_\_ / \_\_\_\_\_

28/01/2019

To,  
Head, HR Division,  
Sunflag Industries,  
Bhandara, Maharashtra.

Subject: Industrial visit of Undergraduate students Chemistry on 30/01/2019.

Dear Sir,

We introduce ourselves as one of the leading educational institutions in Central India offering courses in Science, Arts, Commerce and Law faculties.

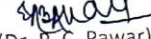
As per the syllabus of Nagpur University the undergraduate students in Chemistry are required to visit different industries and laboratories.

To get acquainted with the steel industry, its R & D functioning students of Chemistry from our College intend to visit your esteemed industry.

I sincerely hope you will permit them provide assistance in getting acquainted with the functioning of your industry for their academic benefits. We assure you our students will maintain complete discipline.

Thanking you in anticipation.

Yours Sincerely


  
(Dr. P. C. Pawar)

**PRINCIPAL**  
**DR. AMBEDKAR COLLEGE**  
**NAGPUR**

- Copy to:  
In charge of Industrial Visit:  
1. Dr. Mrs. D. M. Borikar.  
2. Dr. V. M. Shivankar.  
3. Prof. N G Telkapaliwar.  
4. Mr. Manoj Neralwar

A batch of 53 students of B.Sc., Department of Chemistry along with three faculties of Dr. Ambedkar College Nagpur has visited to our SUNFLAG STEEL INDUSTRY, Bhandara on dated 30/01/2019.



  
Umesh Bhalwade  
30-01-19  
Engr. (Ces & Tel)

## Dr. Ambedkar College, Deekshabhoomi, Nagpur.

Industrial Visit of B.Sc. Students  
SUNFLAG STEEL INDUSTRY, Bhandara, Maharashtra.  
Date: 30/01/2019

Tour Coordinator and Teacher Incharge :

Dr. Mrs. D M Borikar

Dr. V. M. Shivankar

Prof. N. G. Telkapaliwar

Sr.No.	Name	Contact No.	Signature
1	Ms. Priyanka Nagpure	7218087807	
2	Ms. Himani	8554020763	
3	Ms. Jyoti Bisen	7887764650	
4	Ms. Gazala Ahmad	8698406797	
5	Mr. Ankit Guhe	7038173439	
6	Ms. Mansi Moon	9039702669	
7	Mr. Sanket Akolkar	8485844455	
8	Mr. Lochan parate	7767893742	
9	Mr. Kritesh Jarvekar	7218222363	
10	Ms. Namrata trivedi	8329173085	
11	Ms. Aishwarya Mandale	9511951593	
12	Ms. Bhairavi Tichkule	9067741636	
13	Ms. Tanushree Paunikar	7263888091	
14	Ms. Gayatri Hatwar	7218983386	
15	Ms. Pranali Dalvi	9922611482	
16	Ms. Payal Talekar	8007695210	
17	Ms. Prachi Bopche	9527829671	
18	Ms. Shatakshi Panse	8605308715	
19	Ms. Sharayu Gadkane	8975621258	
20	Ms. Sneha Kalaskar	9028458546	
21	Ms. Nivedita Raut	7058242977	
22	Ms. Ketki Chaudhari	9730900735	
23	Ms. Riya Walke	7219571550	
24	Ms. Samiksha Meshram	7769894039	
25	Ms. Utkarsha shah	7588744475	
26	Mr. Veenit Pathe	9767892549	
27	Mr. Pranay Meshram	9096907921	
28	Mr. Prajak Wankhede	7743898388	
29	Mr. Akash Kumbhalkar	7774935853	
30	Mr. Kamesh Bondre	8698791625	
31	Mr. Vishwas Raut	8806250211	
32	Mr. Tejesh Jaronde	8007301192	
33	Mr. Vaibhav Thakre	8329612271	
34	Mr. Sanket Kowe	7709155859	
35	Mr. Anchit Satpute	7875909138	

36	Mr. Digvijay Thool	7972585329	Digvijay
37	Mr. Kundan Mohad	8378062817	Kundan
38	Mr. Shashank Sonane	9665138174	Shashank
39	Mr. Prajwal Patil	7058285415	Prajwal
40	Mr. Rushikesh Kamble	8208669469	Rushikesh
41	Ms. Komal Dhawale	8668739617	Komal
42	Ms. Jagruti Sayare	8888729745	Jagruti
43	Ms. Sheetal Pal	9665265306	Sheetal
44	Mr. Nehal Tembhurkar	8087853618	Nehal
45	Mr. Ashutosh Atram	8390952140	Ashutosh
46	Mr. Dheeraj Gedam	8999670517	Dheeraj
47	Ms. Heena Bal	9172425524	Heena
48	Ms. Sonam Jain	9172799396	Sonam
49	Ms. Mudita Hiwarale	8600846577	Mudita
50	Ms. Rupal Meshram	8237570498	Rupal
51	Ms. Shivani Sahare	7447376455	Shivani
52	Ms. Ishwari Chaudhari	8380932541	Ishwari

53. Ms. Vishakha Gttemil



30/01/2019

visited 53  
 30/01/19  
 Umesh Borkar  
 Engg (I & T)



# Photographs During Visit



