

#### OFFICE OF THE PRINCIPAL

# GOVERNMENT COLLEGE, SUNDARGARH At/Po-Rangadhipa, Sundargarh, Pin-770002, Ph.0662272240, email: govcolsng@gmail.com

website: www.govtcollegesundargarh.ac.in NAAC Accreditation: B+

Date: - 16 8 - 24 2260

#### Notice 4 8 1

There will be an extramural talk on "Understanding India's Oil, Gas & Petrochemical Industry" held on 17th August 2024 in Room Number 6, Department Geology, New Building, Government College, Sundargarh.

The Resource Person of the programme is Shri Samir Biswal, Area Marketing Manager (PP & PE Business) HPCL- Mittal Industry, who will grace the session.

So, interested participants are instructed to join the talk and the campus drive at the time and venue.

Govt. College Sundargarh

Memo No. 2261 / Date 16. 8.24

Copy to all the H.O.D/ Students' Notice Board/ OIC Website/IQAC/ S.O of Government College, Sundargarh for information and necessary action.

Govt. College Sundargarh





UNDERSTANDING INDIA'S OIL, GAS & PETROCHEMICAL INDUSTRY



Resource Person-Shri Samir Biswal Area Marketing Manager (PP & PE Business), HPCL-Mittal Energy Ltd.

ORGANISED BY
BHU-BIGYAN SANGATHAN,
DEPARTMENT OF GEOLOGY,
GOVERNMENT COLLEGE, SUNDAGARH

TIME & VENUE-17 AUG,2024 10 AM-11 AM ROOM NO-6, DEPARTMENT OF GEOLOGY





**DATE-17 AUGUST 2024** 

PLACE- GOVT. COLLEGE SUNDARGARH

#### 1. Introduction

The BHU Bigyan Sangathana, with the Department of Geology, Government College Sundargarh, organized an Extra Mural Talk titled "Understanding India's Oil, Gas, and Petrochemical Industry." This event aimed to provide students, faculty, and attendees with a comprehensive overview of the crucial sectors of oil, gas, and petrochemicals in India. The talk was delivered by Research person Shri Samir Biswal Area Marketing Manager (PP & PE business) HPCL- Mittal Energy limited, an esteemed expert in the field, whose insights provided a deeper understanding of the industry's current landscape, challenges, and future prospects.

#### 2. Objectives of the Talk

The primary objectives of the talk were:

- To educate attendees about the structure and significance of India's oil, gas, and petrochemical industry.
- To highlight the current trends, challenges, and opportunities within the industry.
- To discuss the role of geology in the exploration and extraction of oil and gas resources.
- To provide a platform for students and faculty to engage with experts and enhance their knowledge.

#### 3. Overview of India's Oil, Gas, and Petrochemical Industry

The talk began with an introduction to the oil, gas, and petrochemical industry in India. Key points discussed included:

- Historical Context: A brief history of the development of the oil and gas industry in India.
- Industry Structure: An overview of the upstream, midstream, and downstream sectors.
- Major Players: Discussion on the key companies involved in exploration, production, refining, and distribution.
- Economic Impact: The role of the industry in India's economy, including employment generation and contribution to GDP.
- Government Policies: An analysis of policies and regulations governing the industry, including recent reforms.

#### 4. Challenges and Opportunities

The speaker highlighted several challenges faced by the industry, such as:

- Resource Scarcity: Depletion of easily accessible oil and gas reserves.
- Environmental Concerns: The impact of exploration and extraction activities on the environment.
- Technological Gaps: The need for advanced technologies in exploration and production.
- Global Market Fluctuations: The effect of international oil prices and geopolitical tensions on the industry.

#### Opportunities discussed included:

- Renewable Integration: The potential for integrating renewable energy sources with traditional oil and gas operations.
- Investment in Infrastructure: The need for improved infrastructure to support the growth of the petrochemical sector.
- Research and Development: Innovations in extraction techniques, refining processes, and sustainable practices.

#### 5. The Role of Geology

A significant portion of the talk focused on the role of geology in the oil and gas industry. Topics covered included:

- Exploration Techniques: The use of geological surveys, seismic data, and other methods to locate oil and gas reserves.
- Reservoir Analysis: Understanding the composition and characteristics of oil and gas reservoirs.
- Sustainable Extraction: The importance of minimizing environmental impact during the extraction process.

#### 6. Interactive Session

The talk concluded with an interactive session where attendees had the opportunity to ask questions and engage in discussions with the speaker. Topics of discussion included career opportunities in the oil and gas industry, the future of petrochemicals in a sustainable world, and the impact of global energy transitions on India's energy security.

#### 7. Conclusion

The Extra Mural Talk organized by BHU Bigyan Sangathana and hosted by the Department of Geology at Government College Sundargarh was a successful and informative event. It provided valuable insights into India's oil, gas, and petrochemical industry, emphasizing the importance of geology in this sector. The event fulfilled its objectives of educating and inspiring students and faculty, encouraging them to explore further studies and careers in this vital industry.

#### 8. Acknowledgments

The organizers would like to extend their gratitude to the speaker, attendees, and everyone involved in making this event a success. Special thanks to the Department of Geology, Government College Sundargarh, for their support and cooperation.

EXTRA MURAL TALK ON					

Bhu-Bigyan Sangathan & Dept. of Geology, extends their sincere gratitude to all guests and attendees for making the event success.

Contact Detail: - bhubigyansangathan@gmail.com

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ORGANIZED BY GOVT. COLLEGE, SUNDARGARH



PROGRAMME NAME- Entramuscu Tury, by Soi Samio biswoul

# ORGANIZED BY GOVT. COLLEGE, SUNDARGARH

Venue- <u>Room-6</u>, gen Logy, Date- 17-08-2024 Attendance Sheet for Student

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No	Name of the Student	Roll No.	Dept.	Signature	
1.	Puja sedh	BS(P)-24-55	Geology	Paga Seth	
2.	Anjali Mehen	Bsg1-24-118	Geology	Anjali Mehen	
3.	Rubi TOPPO	BS(P)-24-099	Geology	Rubi Toppo	
4.	Swati swegatika Dhal.	BS(P)-24-084	heology	Sweeti Swagatika Dhal	
5	Baishakli Bei	BEOL-23-007	Geology	Boeishoekhi boj	
6.	Andusha Sahor	Bs(p) 22 - 017	Geology	A. Sohro	
7.	Suchishnee Podhan		Geology	SPadhan	
8	Janani Kanta	BS(P)-24-036	Geolog	Janani Karrki	
9	Sujata Kishan	BS(P)-24-096		Sujata kishan	
10	Isha Rani Lind	BS(P)-24-106	Geology	Isha Koni Aind	
11	Swapna Rani Mahal	BS(P)-24-072	(neology	Swapna Rani Mohal	
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Venue- Room 6 , 7000004, Date- 17.08.2024
Attendance Sheet for Student

Name of the Student	Roll No.	Dept.	Signature
Puravraj Bariha	RS(P)-24-029		Ruravraj Bariha
Dhavanidhar Dhoi			Thamwidhashw'
Ritesh Kumare Sahu			Rifah Kuman Sahu
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Shiba Bhoi	BS(B)-24-050	Botany	Shiba Bloż
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Ashartoch Kalo	BOB)-24-089	Botany	Ashertosh Kalo
	Pura Vray Bariha  Dhavanidhar Bhoi  Rifesh Kumare Sahu  Xinkan Givi  Jagadish Biswal  Paesab Ku: Jerce  Utkal Binjhia  Siddhantha S. Khandagir  Sounya Ranjan Proclina  Mannath Bhaisal  Saraswot Sahu  Swastik Sagan Mahanta  Shiba Bhoi	Peravira Bariha BSP-24-029  Theranidhar Dhoi BSP-24-020  Ritesh Kumare Sahu BS(P)-24-020  Xinkan Givi BS(P)-24-020  Xinkan Givi BS(P)-24-027  Jagadish Biswal RS(P)-24-067  Paexab Ku. Jerce BSCP)-24-012  Utkal Binjhia BS(P)-24-053  Siddhamtha S. Khandagiri BS(P)-024-073  Sovrnya Ranjan Pradha DS(P)-024-125  Mannath Bhaisal BS(P)-24-111  Sarasurat Sahu BS(P)-24-061  Swastik Sagan Mehant BS(P)-24-086  Shiba Bhoi BS(B)-24-058  OMKOTE Bhoi BS(B)-24-058	Ruravraj Bariho B&P)-24-029 Geology  Maranidharo Dhoi BS(P)-24-050 Geology  Ritesh Kumara Sahu BS(P)-24-080 Geology  Xinkam Gini BS(P)-24-109 Geology  Jagadish Biswal BS(P)-24-109 Geology  Jagadish Biswal BS(P)-24-067 Creology  Utkal Binjhia BS(P)-24-012 Geology  Utkal Binjhia BS(P)-24-053 Geology  Sigthantha S. Khandagiri BS(P)-024-073 Geology  SournyaRanjan Prachu DSIP)-024-125 Geology  Mannath Bhaisal BS(P)-24-111 Creology  Sarasurat Sahu BS(P)-24-061 Geology  Swashik Sagan Mahana BS(P)-24-086 Geology  Shiba Bhoi BS(B)-24-050 Botany  OMKOUL Bhoi BS(B)-24-058 Botany















