

GOVERNMENT COLLEGE(A), RAJAHMUNDRY

DEPARTMENT OF COMMERCE AND MANAGEMENT



INDUSTRIAL VISIT REPORT

Reliance Bioenergy Complex

Kakinada Cluster, Andhra Pradesh

Date of Visit	13 April 2025
Department	BBA
Number of Students	28
Faculty Accompanying	3
Industry Type	Bioenergy / Compressed Biogas (CBG)

FACULTY IN-CHARGE

Dr. B. Prathima | Sri. M.Y Naidu | Smt. Haritha Locana

1. Basic Details

Program Name	BBA(H)
Number of Students	28
Faculty Accompanying	3
Date of Visit	13 April 2025
Place of Visit	Reliance Bioenergy Plant, Kakinada Cluster
Industry Type	Bioenergy / Compressed Biogas (CBG) Production

2. Objective of the Visit

The industrial visit was organized to achieve the following objectives:

- Understand real-time industrial operations in the bioenergy sector
- Bridge the gap between theoretical knowledge and practical exposure
- Learn about sustainable energy production and waste management
- Observe management practices, safety systems, and automation



Aerial view of Reliance Bioenergy Plant



Anaerobic digestion dome tanks

3. Overview of the Industry

Reliance Industries Limited has established bioenergy plants to produce Compressed Biogas (CBG) from organic waste. HR Manager Sri Siva was the person in charge of explaining the working of the plant.

These plants play a vital role in:

- Reducing environmental pollution
- Promoting renewable energy
- Supporting sustainable development goals

4. Observations During the Visit

4.1 Feedstock Handling & Digestion

- Organic waste such as agricultural residue is used as primary feedstock
- Waste undergoes anaerobic digestion in large industrial tanks
- Microorganisms break down organic material to produce raw biogas



Feedstock handling & separation equipment



Large anaerobic digestion tank

4.2 Gas Purification & Processing

- Raw biogas is purified to remove CO₂ and other impurities
- Advanced systems like PSA (Pressure Swing Adsorption) are employed
- Output is high-quality methane meeting bio-CNG standards



PSA purification vessels



Gas purification processing units

4.3 Compression & Storage

- Purified gas is compressed and stored in high-pressure cylinders
- Ready for distribution as clean fuel to consumers and industries



Compressed gas cylinder racks



Gas distribution loading area

4.4 Control Room & Automation

- Centralized control system monitors all plant operations
- Automation ensures operational efficiency and safety compliance
- Real-time data tracking is used for informed decision-making



Gas processing & automation unit

5. Learning Outcomes

Students gained valuable knowledge and insights across several dimensions:

- Practical understanding of bioenergy production processes
- Awareness of green energy and sustainability practices
- Insight into industrial management and day-to-day operations
- Knowledge of safety measures, compliance, and automation systems



6. Conclusion

The industrial visit to the Reliance Bioenergy Plant was highly informative and enriching. It provided students with valuable exposure to modern industrial practices and highlighted the critical importance of renewable energy in today's world. The hands-on experience bridged the gap between academic learning and real-world industry operations, equipping students with practical insights that will enhance their professional readiness.

7. Acknowledgement


We sincerely thank the management and staff of Reliance Industries Limited for their generous support, hospitality, and detailed guidance during the visit. Their willingness to share technical knowledge and operational insights was immensely valuable. We also express heartfelt gratitude to our institution for organizing this meaningful educational experience.

FACULTY IN-CHARGE: Dr. B. Prathima

Permission Letter

From:
Dr B. Prathima,
Lecturer in Commerce,
Dept of Commerce & Management,
Government College (A),
Rajahmundry.

Date: 09/04/26
Rajahmundry


The Principal,
Government College (A),
Rajahmundry.

Subject: Request for Permission to Attend Industrial Visit to Reliance Bioenergy Complex, Kakinada Cluster, Andhra Pradesh on 13/04/2026 and Arrangement of College Bus

Respected Sir,

I respectfully request your kind permission to organize and attend an Industrial Visit to the Reliance Bioenergy Complex, Kakinada Cluster, Andhra Pradesh, scheduled to be held on 13 April 2026.

I propose to visit this industrial facility along with 37 students from BBA (Honours) and the following faculty members from the Department of Commerce & Management:

1. **Dr. B. Prathima**
2. **Sri. M.Y Naidu**
3. **Smt. Haritha Lochana**

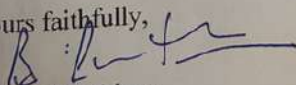
The industrial visit will provide students with practical exposure to industrial operations, enhance their understanding of bioenergy production processes, and offer valuable learning experiences through real-time observation and interaction with industry professionals.

In this regard, I kindly request you to grant permission for our participation. I also request you to **kindly sanction On Duty (OD)** for the above-mentioned faculty members and relieve them of their duties on 11/04/2026 (AN).

Further, we request you to kindly **arrange the college bus for transportation to the Reliance Bioenergy Complex, Kakinada Cluster, and back** for the faculty members and students.

The list of participating students is attached herewith for your kind reference.
We shall be grateful for your kind approval and support.
Thank you Sir.

Yours faithfully,


Dr. B. Prathima
Department of Commerce & Management

Attendance Sheet

Students participating in Industrial Visit

S.No	Year	Register Number	Student Name	Student Signature
1	I	32522503	A. Varsha Varadhan	A. Harshana
2	I	32522509	B. Gopi Chand	B. Gopichand
3	I	32522510	CH. Satish Kumar	ch. Satish
4	I	32522515	D. Nagendra Kumar	D. Nagendra Kumar
5	I	32522521	G. Balaji	G. Balaji
6	I	32522523	J. Samili	J. Samili
7	I	32522524	K. Jagannarayana	K. Jagannarayana
8	I	32522527	K. Komali	- Absent -
9	I	32522528	K. Ravi Shankar	- Absent -
10	I	32522529	K. Venkatesh	K. Venkatesh
11	I	32522531	K. Veera Babu	- Absent -
12	I	32522535	K. Sai	K. Sai
13	I	32522539	M. Lokesh Kumar	M. Lokesh Kumar
14	I	32522543	N. Devi	N. Devi
15	I	32522548	P. Jaswanth Raj	P. Jaswanth Raj
16	I	32522552	S. Naga Chaitanya	S. naga chaitanya
17	I	32522556	T LAKSHMI PREMA LATHA	T.L. Premalatha
18	I	32522557	T. Venkata Swamy	T. V. Swamy
19	I	32522558	U. Veera Kumar	U. D. V. Kumar
20	I	32522560	V. Keerthana	V. Keerthana
21	I	32522561	V. Prabhu Kumar	V. Prabhu Kumar
22	I	32522563	V. Surya Kumari	V. Surya Kumari
23	I	32522564	Y. Akshaya	Y. Akshaya
24	II	32422503	B Sandhya	B. Sandhya
25	II	32422504	Ch Sravani	Ch. Sravani
26	II	32422509	G Poornima	G. Poornima
27	II	32422528	N. Naga Durga	N. Naga durga
28	II	32422514	K. B Sirisha	K. B. Sirisha
29	II	32422513	Swathi	K. Swathi
30	II	32422517	Lova Lakshmi	K. Lova lakshmi
31	III	32322525	U. Thamos	U. Thamos

Faculty Coordinator: **Dr B Prathima**
Faculty: **Sri M.Y Naidu**
Faculty: **Smt Y.V.H.Locana**

