

Maharaja Surajmal Institute of Technology, New Delhi

Department of Applied Science, 2nd Shift

Report on Industrial Visit to Mother Dairy Plant Patparganj, New Delhi

Date of Visit: 18 Oct. 24

Organized by: MSIT

Participants: Students (ECE SHIFT-2)

Faculty In Charge: Dr Sobinder singh , Dr Malvika Chaudhary , Dr Rashmi Gupta

Introduction

On 18 Oct. 24, a group of 49 students from ECE (SHIFT-II) at MSIT visited the Mother Dairy plant, patparganj, New Delhi as part of our educational tour. The purpose of this visit was to gain practical insights into the dairy production process, understand the technology used in milk processing, and learn about the operational management of a large-scale dairy facility.



Objectives of the Visit

1. To observe the dairy production process from raw milk collection to final product packaging.
2. To understand the quality control measures in place at Mother Dairy.
3. To explore the role of technology in enhancing efficiency in dairy processing.
4. To learn about sustainable practices followed by the company.

Activities and Observations

Upon arrival at the factory, we were welcomed by MOTHER DAIRY staff, who provided us with an overview of Mother Dairy's history and its significance in the dairy industry.

1. Plant Tour

We toured the facility, observing various stages of production:

- **Milk Collection:** We learned about how milk is collected from farmers, focusing on the importance of hygiene and transportation.
- **Processing:** The milk processing unit demonstrated how milk is pasteurized and homogenized to ensure safety and quality.
- **Packaging:** We saw the automated packaging process, which ensures efficiency and reduces human error.

2. Quality Control

The quality control lab was a key highlight. We learned about the tests conducted on raw milk to check for contaminants and ensure it meets safety standards.

3. Sustainability Practices

The factory's commitment to sustainability was impressive. We learned about their initiatives in waste management, energy conservation, and supporting local farmers.



Picture location details

65, Patparganj Rd, near Bhandari Dispensary, Ganesh Nagar I South, South, Block A, pandav Nagar I, Shakarpur, New Delhi, Delhi, 110092, India

Longitude:77.286113°

Latitude:28.619693°



Conclusion

The visit to Mother Dairy was highly educational and provided us with valuable insights into the dairy industry. It enhanced our understanding of the entire production process and the importance of maintaining quality and sustainability in food production.

Acknowledgment

We would like to thank MOTHER DAIRY staff and HoD, Dr. Rekha Tripathi for organizing this informative trip. Their guidance and insights greatly enriched our learning experience.

Recommendations

Future visits could include:

- Workshops on dairy product innovation.
- Interactive sessions with industry experts.