

A  
Report  
on  
**Industrial Visit**  
At  
**Vikrant Transformer, Navsari, Gujarat**



Organized By

**DEPARTMENT OF ELECTRICAL ENGINEERING**



छोटुभाई गोपालभाई पटेल प्रौद्योगिकी संस्थान, बारडोली  
Chhotubhai Gopalbhai Patel Institute of Technology, Bardoli

## **About Company:**

Vikrant Transformers was established in 1991, in Maroli, a town 200 Kms. north of Mumbai. The town is well connected by Rail and Road. Vikrant Transformers is just 25 kms away from Surat Railway Station and is 8 Kms away from National Highway No. 8 towards Mumbai.

The factory is spreaded over 1.5 acres of land and has a built up area of more than 11,000 square feet comprising of main office block and Transformers Shed. Vikrant Transformers manufactures oil filled Distribution and Power Transformers, Generator Duty Transformers and Induction Furnace duty Transformers.

The company is having one associated company, namely Sheetal Electricals, located at Maroli. The company provides sales after service, sight overhauling, filtration and repair of all kinds of Transformers.

Today, Vikrant Transformers is well known for its quality of product and has more than 1000 installations all over India with the cooperation of our associated company. Our Transformers are well accepted in the market. Regular orders are received from electricity Boards, Power Projects, Paper, Cement, Steel, Pharmaceuticals, Textile and various other areas. The company is approved by many reputed consultants in this field and successfully supplied transformers through most of them. In India, company has executed large orders for ESSAR, L&T, MSEB, GEB, Colour Tex, Himson and others.

### **Details of Company Products**

- Distribution transformers upto 2000 KVA, 33 KV Class
- Step up transformers upto 2000 KVA, 33 KV Class
- Earthing Transformers
- Low voltage transformers for industrial applications
- Special transformers to meet customers' specific requirements.
- Furnace duty transformers

## **Details of Visit:**

Department of Electrical Engineering organized the visit to NPCIL, Kakrapar Atomic Power Plant for the student of 7<sup>th</sup> sem B. Tech and 5<sup>th</sup> sem Diploma Electrical on 14<sup>th</sup> and 18<sup>th</sup> December 2017.

<b>Date of Visit</b>	<b>Branch and Semester</b>	<b>No. of Students</b>	<b>Accompanied Faculties</b>
14/12/2017	Electrical 7 <sup>th</sup> - A	46	Mr. Ranjit Kumar Rajak Ms. Karmani Rajput Mrs. Priyanka Patel
18/12/2017	Electrical 7 <sup>th</sup> - B& Diploma 5 <sup>th</sup>	43	Mrs. Jignasha Ahir Ms. Unnati Mali Mr. Ankit Singh Basera

## **Activities on the Day of Visit:**

The bus journey started at 8:30 from college parking and bus reached around 10:30 am at the Vikrant Transformer site. We took entry for our visit in two groups. First group entered at 10:45 am. Mr. Rakesh Gandhi who was our in charge for the visit took the group in the workshop. The visit started in a proper sequence in which a transformer is made. First, we visited how the core of transformer is assembled with proper insulation for different class of transformers. After that, we visit winding section of production line, where winding is assembled in the core. After that, next in the production line was how transformer is fitted in the body and with all other parts like breather, conservator, bushings etc. At last, they also explained how the different types of tests are performed in the transformer before shipping. The questioning was also being taken by us and the satisfactory answers were given by them. This whole tour took almost one and half hour per group and in similar manner second group entered at 12:45 pm. After finishing the visit of both the groups we officially checked out and then after we had thanked the all authorities and left the plant. On the way back to college, the photo of visit had been taken and all the students finally left for the college.

## Glimpses of Visit



**Group Photo at Vikrant Transformer, Navsari**



**Group Photo at Vikrant Transformer, Navsari**





**At Workshop of Vikrant Transformer**

We heartiest thanks to Vikrant Transformer to give an opportunity to visit such an esteem company and we also want to thank our director Dr. N. C. Shah sir, Head of the Department Mr. Rakesh Gajre and all the faculties for coordinating the visit.