

Sarvajanik Education Society
Sarvajanik College of Engineering & Technology
Department of Electrical Engineering
INDSUTRIAL VISIT : WARREE INDUSTRIES

SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY
ME-1 students have arranged industrial visit associated with electrical engineering department at **WARREE INDUSTRIES**. Plot 231-236, Diamond Park, Surat Special Economic Zone, Sachin, Surat, Gujarat 394239. THE WARREE is the firm of solar panel making and sales all over the glob. The visit was held on 20th feb 2018. Faculty member prof. HITESH MEHTA (PG CO-ORDINATOR) were also with us to guide us on proper way.

At 10 am every student and faculty member reached at the venue after completing all the procedure for visit. The visit was started firstly at conference room one of the employee from warree give the brief introduction of the industry. And the products that are manufactured at there. Waaree Energies Ltd. is the flagship company of Waaree Group, founded in 1989 with headquarters in Mumbai, India. It has India's largest Solar PV Module manufacturing capacity of 500 MW's at its plant in near Surat, Gujarat. Waaree Energies is amongst the top player in India in providing EPC services, project development, rooftop solutions, and solar water pumps and also as an Independent Power Producer. Waaree has its presence in over 175+ locations nationally and 68 countries internationally.

Then all the students are divided in two groups mentored by the company employs. We saw the assembly line facility of the industry. Where they made the solar cells from silicon wafers and attach them in predesigned different configuration. And then we saw how the cells are transformed in solar panel and how they have been assembled. Then we visited testing department where the solar panel is inspected before lamination. There is a lamination machine which laminates solar plate and then framing is done. After that we saw the commissioning department where the issues of the assembled solar panel is solved.

Then there is research and development facility of industry where different tests are done on the solar panel where all the research are done and different mechanical tests , weight drop test , different parameters test are done and quality of the panel is checked.

After the look around of assembly line and all the testing and R & D facility all the students and mentors are together at conference room where they explained the important of solar. They show us different types of solar panels which they manufactures.

They have a State-of-the-art 500 MW manufacturing plant at SEZ -Surat, in the state of Gujarat, India; enabling us to deliver high-quality affordable solar products to our customers. Our avant-garde automated production facility offers mono & poly crystalline PV Modules ranging from 3Wp to 400Wp for various on-grid and off-grid applications across India and exported globally. After the presentation the QA session starts they appreciated our questions and satisfies us by the elaborated answers. After the 4 to 5 hours of company and as a part of hospitality they offered all the students ice cream by having it the visit day was ended.

At the end of the day we get to know the procedure of the assembling of solar panel different test are being conducted on that panels different configuration of solar panels. And about the emerging industry of solar panels.

Prepared By:

ME-I (Sem-II) Studnets

Photographs of Visit



