

A REPORT ON INDUSTRIAL VISIT

TO

SIBAR AUTO PARTS PRIVATE LIMITED

On

10/12/2021

BY

STUDENTS OF

(III B.TECH, I SEMESTER,

A-SECTION, MECHANICAL ENGINEERING)



DEPARTMENT OF MECHANICAL ENGINEERING

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)

Sree Sainath Nagar, Tirupati – 517 102, A.P.

A report on the industrial visit to SIBAR AUTO PARTS LIMITED , Renigunta on 10/12/2021 is given below.

The students assembled in the college campus at 1pm and they were asked to assemble near to the bus at the third gate at 1.30pm. The journey started at 1.45 pm from the third gate of our college. There were a total of 58 students and 2 Staff members. Instructions were given to students with respect to travel, safety and other issues.

We reached SIBAR AUTO PARTS LIMITED, RENIGUNTA BY 2.45 pm. and after several security checks we were taken to a central building from where all the administration formalities were finished. We were asked not to take any electronic gadgets like cell phones, cameras, camera watches etc. inside the factory. Taking camera inside the industry is strictly prohibited they told us.

HR people from the industry asked us to split in to two batches. First batch consists of roll number 1 to 30 and the second batch consists of 31 to the last roll number.

They also told us about the safety procedures to be followed in the industry premises. They strictly told us not to touch anything without their permission. As all the equipment's are heavy and safety procedures need to be followed before we operate any machines they told us.

The employees of the told us that SIBAR Auto Parts Limited, Tirupati has been awarded as ISO 9001:2008 for quality management system approved organization. They told us that the organization was started during 1983. They also told us that they have technical collaboration with an Italian firm to refine its technology in Electro plating. They are concentrating on Gravity Die Castings in addition to the Cylinder Blocks and Cylinder Heads, in this regard we are dispatching approximately 125 tons every month. The products weight ranges varies from 0.2kgs to 30.0 Kg. The company is keen in expanding its activity in Low Pressure Die Casting also in the near future. It is in rapid process. The main strength of the company is technically strong in their supplies and commitment towards continuous improvement in quality and related aspects.



It is also involved in Manufacture of bodies (coach work) for motor vehicles; manufacture of trailers and semi-trailers.

SIBAR Auto Parts Limited was intent to produce "ALUMINIUM GRAVITY DIE CASTINGS" established as Private Limited Company in 1983. SIBAR started production of Hard Chrome Electroplated Cylinder Blocks in 1987. Sibar is the First Company to introduce such Hard Chrome Electroplated Cylinder in India for OEM'S / Replacement Market.

SIBAR is Customers Supplying Castings to Greaves, Lombardini, SAME, Hero, Bajaj etc. (OEM Manufacturers) in domestic as well as international market (McCulloch, Italy.)

SIBAR had taken technical collaboration with Italian firm for Nickel Silicon Carbide plating which is equivalent to Nikasil. Factsheet.

Various products of SIBAR AUTO PARTS LIMITED includes cylinder head of an Engine which is usually located on the top of the engine block. It serves as a housing for components such as the intake and exhaust valves, springs and lifters and the combustion chamber. The cylinder head also channels the coolant into the engine block, thereby cooling down the engine components.

Cylinder is the main body of IC engine. Cylinder is a part in which the intake of fuel, compression of fuel and burning of fuel take place. The main function of cylinder head is to seal the cylinder block and not to permit entry and exit of gases on cover head valve engine.

Impact of INDUSTRIAL VISIT

- The industry exposure helps a lot in personality development of the students. They are also exposed to industry culture and learnt to communicate with their industry mentors and perform tasks assigned within the given time frame in an industrial setting. The change in their personality is evident when they come back from the industry. They are more confident and more articulate.
- Some students get their final year major project ideas from their training. They continue to be in touch with their industry mentor.
- With the exposure of industry and its practices to the students, the attainment of POs and PSOs becoming more relevant. The POs set as Learning outcomes, Employability and Entrepreneurship are achieved better with industry institute interaction.
- Student feedback is collected at the end of academic year and efforts will be made to have sustained industry interaction.