

A Brief Report on

Industrial Visit

Date : 06/04/2023

Time: 02:30 pm to 04:30 pm

Industry : Energy Machines Pvt. Ltd

Name of Coordinator: Prof. K. S. Banker / Prof. S K Dabhi

Assistant Professor,
Mechanical department,
GEC Palanpur



ESTD : 2009

अभियान्त्रिकीज्ञानम् जनकल्याणम्

GOVERNMENT ENGINEERING COLLEGE PALANPUR

GOVERNMENT ENGINEERING COLLEGE PALANPUR

MECHANICAL ENGINEERING DEPARTMENT

Date: 17/04/2023

Report on Industrial Visit

The GEC Palanpur had organized Industrial visit on 6th April 2023 at Energy Machines Pvt. Ltd, Vatva, Ahmedabad.

The highlights of the Industrial visit at Energy Machines Pvt. Ltd

- 30 Students and 2 faculty members were visited Energy Machines Pvt. Ltd
- Introductory session was Delivered by Mr. Dhaivat Vadavia, Owner of the Company.
- CNC Floor boring machine, CNC Vertical turret Lathe, CNC Horizontal lathe machine with 12-ton loading capacity. Major crane of 35 Tons loading capacity.
- They offered tea and snacks after industrial visit to all the students.

Around 30 students and 2 faculty members from GECPL had visited Energy Machines Pvt. Ltd. Foremost emphasis of the training was the demonstration and working of heavy CNC boring machine, CNC vertical turret lathe machine and CNC horizontal lathe machine with 12-ton loading capacity. Students have seen 15 ton to 35-ton crane loading capacity.

GOVERNMENT ENGINEERING COLLEGE PALANPUR

MECHANICAL ENGINEERING DEPARTMENT

Energy Machines Pvt. Ltd Glimpses

CNC Boring machines and its specifications.

No.	List of machinery	Make	Machine ID.	Size	
1	CNC Floor Boring Machine (with FAGOR 8055 control system)	HMT - PEGARD	HBM/01	Cross	3200 mm
				Vertical	2400 mm
				Spindle	Ø130 X 800 mm travel
				Chuck size	Ø600mm
				Rotary Table	2000 x 2000mm
				Loading Capacity (on rotary table)	20 Ton
				Loading Capacity (on floor plate)	30 Ton
2	CNC Floor Boring Machine (with FAGOR 8055 control system)	Asquith (UK)	HBM/02	Cross	5000 mm
				Vertical	3750 mm
				Spindle	Ø130 X 800 mm travel
				Ram Travel	600mm
				Rotary Table	2800 x 2200mm
				Loading Capacity (on rotary table)	20 Ton
				Loading Capacity (on floor plate)	30 Ton
3	5 Axis CNC Floor Boring Machine (with FAGOR 8055 control system)	Stenko (Russian)	HBM/03	Cross	6000 mm
				Vertical	2800 mm
				Spindle	Ø160mm X 1200 mm travel
				Chuck size	Ø800mm
				Rotary Table	2200 x 2200mm
				Loading Capacity (on rotary table)	15 Ton
				Loading Capacity (on floor plate)	30 Ton
4	CNC Floor Boring Machine (with FAGOR 8055 control system)	Droop & Rein (Germany)	HBM/04	Cross	5000 mm
				Vertical	2500 mm
				Spindle	Ø175 X 1500 mm travel
				Chuck size	Ø850mm X 50 mm travel
				Rotary Table	2000 x 2000mm
				Loading Capacity (on rotary table)	20 Ton
				Loading Capacity (on floor plate)	30 Ton

GOVERNMENT ENGINEERING COLLEGE PALANPUR

MECHANICAL ENGINEERING DEPARTMENT

Energy Machines Pvt. Ltd Glimpses

CNC Vertical turret Lathe (VTL) machines and its specifications.

No.	List of machinery	Make	Machine ID.	Size	
1	CNC Vertical Turret Lathe Machine (VTL) (with FAGOR 8055 Control system)	VEB (Russian)	VTL/01	Chuck size	Ø1200 mm
				Height	800 mm
				Max turning capacity	Ø1350 mm
				Loading Capacity	04 Ton
2	CNC Vertical Turret Lathe Machine (VTL) (with FAGOR 8055 Control system)	STANKO (Russian)	VTL/02	Chuck size	Ø2800 mm
				Height	1650 mm
				Max turning capacity	Ø3000 mm
				Loading Capacity	20 Ton
3	Vertical Turret Lathe Machine (VTL)	TITAN (Romania)	VTL/03	Chuck size	Ø3000 mm
				Height	2200 mm
				Max turning capacity	Ø3300 mm
				Loading Capacity	20 Ton
4	Vertical Turret Lathe Machine (VTL)	SHIESS (Russian)	VTL/04	Chuck size	Ø4500 mm
				Height	1850 mm
				Max turning capacity	Ø7000 mm
				Loading Capacity	40 Ton
5	CNC Vertical Turret Lathe with Live Spindle (VTL) (with FAGOR 8055 Control system)	RAFAMET KCH 320 (ROMANIA)	VTL/05	Chuck size	Ø3200 mm
				Height	3000 mm
				Max turning capacity	Ø3500 mm
				Loading Capacity	25 Ton
6	CNC Vertical Turret Lathe with Live Spindle (VTL) (with FAGOR 8055 Control system)	UMARO SCM 63 (Romania)	VTL/06	Chuck size	Ø5000 mm
				Height	4500 mm
				Max turning capacity	Ø7000 mm
				Loading Capacity	80 Ton

GOVERNMENT ENGINEERING COLLEGE PALANPUR

MECHANICAL ENGINEERING DEPARTMENT

Energy Machines Pvt Ltd Glimpses
CNC Floor Boring machine- 30 tons



CNC Boring machine



GOVERNMENT ENGINEERING COLLEGE PALANPUR

MECHANICAL ENGINEERING DEPARTMENT

Energy Machines Pvt Ltd Glimpses
Introductory speech by Dhaivat Vadavia sir.



Steam Turbine Valve



GOVERNMENT ENGINEERING COLLEGE PALANPUR

MECHANICAL ENGINEERING DEPARTMENT

Energy Machines Pvt Ltd Glimpses



Energy Machines Pvt Ltd Glimpses



GOVERNMENT ENGINEERING COLLEGE PALANPUR

MECHANICAL ENGINEERING DEPARTMENT

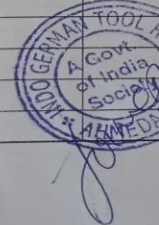
Attendance Sheet @ Energy Machines Pvt Ltd

Attendance Sheet :-

GOVERNMENT ENGINEERING COLLEGE PALANPUR
Mechanical Engineering Department

List of Students for Industrial Visit on 6th April 2023

Sr. No.	Name of Students	Enrollment No.	Cast Category	Email Id	Sign
1	Rupesh Kumar patel	210610119505	General	patelrupesh966@gmail.com	<i>Rupesh</i>
2	Mansuri Ayan Harunbhai	200610119019	SEBC	ayanmansuri2947@gmail.com	<i>Ayan</i>
3	Bhuriya Jigar Rajubhai	210610119512	ST	Jigarb2812@gmail.com	<i>Jigar</i>
4	Gaurav Gopalbhai Sain	200610119010	SEBC	gauravsain4646@gmail.com	<i>Gaurav</i>
5	PATEL KHUSH PRADIPKUMAR	210610119501	General	khush3122@gmail.com	<i>Khush</i>
6	Barot Abhinav Jashavant	210610119511	SC	abhinavjasaji2463@gmail.com	<i>Abhinav</i>
7	MEVADA DIPANSHU DASHRATHBHAI	200610119011	SEBC	dipanshumevada@gmail.com	<i>Dipanshu</i>
8	Patanwadiya Maulik	210610119520	SEBC	Patanwadiyamaulik@gmail.com	<i>Maulik</i>
9	RANA TIRTH SURESHBHAI	210610119533	SEBC	ranatirth8613@gmail.com	<i>T.S. Rana</i>
10	PRAJAPATI VRAJ V	200610119015	SEBC	prajapativraj422@gmail.com	<i>V.Raj</i>
11	PRAJAPATI MEET VIJAYKUMAR	210610119538	SEBC	mp254749@gmail.com	<i>M.V.P.</i>
12	Raval Vishal P.	210610119537	SEBC	ravalvishal876@gmail.com	<i>Vishal</i>
13	Nayak Marm Jyotishkumar	200610119008	SC	marmnayak444@gmail.com	<i>Marm</i>
14	SHIVAM M YADAV	210610119504	General	shivam884953@gmail.com	<i>Shivam</i>
15	binisarvaiya7228@gmail.com	210610119545	SEBC	binisarvaiya7228@email.com	<i>Binisarvaiya</i>
16	PANCHAL KETAN MAHESHKUMAR	200610119004	SEBC	Ketanpanchal4066@gmail.com	<i>Ketan</i>
17	Panchal Abhi Nileshkumar	210610119513	SEBC	abhipanchal922003@gmail.com	<i>Abhi</i>
18	Shubham Subhash Yadav	210610119503	General	shubhamyadav69489@gmail.com	<i>Shubham</i>
19	PATEL TIRTH JAYESHKUMAR	200610119007	General	pateltirth9596@gmail.com	<i>T.J.P.</i>
20	Shaunak Marvaniya	210610119525	General	shaunakmarvaniya@gmail.com	<i>Shaunak</i>
21	PATHAN SOHIL KHAN J.	200610119006	General	sohilkhan0090@gmail.com	<i>Sohil</i>
22	Padhiyar jaydeep hareshbhai	190610119028	SEBC	jaydeepadhiyar88@gmail.com	<i>J.D.P.</i>
23	Padhiyar vivek Mukeshbhai	210610119544	General	vivekpadhiyar01@gmail.com	<i>Vivek</i>
24	Rahul mudaliar	210610119547	General	rahulmudaliar0112@gmail.com	<i>Rahul</i>
25	DARJI ARYANKUMAR VASANTBHAI	210610119517	SEBC	darjiaryan454@gmail.com	<i>A.V.D.</i>
26	PRAJAPATI VISHALKUMAR JAYANTIBHAI	200610119012	SEBC	vishalprajapati.1604@gmail.com	<i>V.J.P.</i>
27	GAJJAR DEV DIPAKBHAI	200610119003	SEBC	Gajjardev22@gmail.com	<i>Dev</i>
28	PRAJAPATI MAYUR BACHUBHAI	200610119005	SEBC	mayurprajapati1307@gmail.com	<i>Mayur</i>
29	Patel Keyur Ganpatbhai	210610119540	General	keyurpatel53809@gmail.com	<i>Keyur</i>
30	Bhati vikram karshanbhai	190610119001	SEBC	bhativikash76@gmail.com	<i>Vikram</i>
31					
32					
33					
34					
35					
36					



S.K. Pandey
Assistant Professor
 (GES CL-II)
 Mechanical Engineering Department
 Government Engineering College
 PALANPUR-385001
