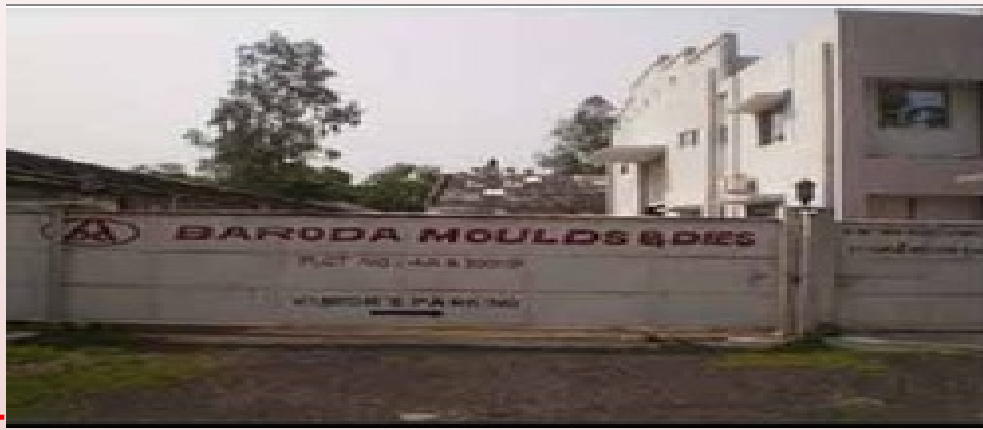


AN
INDUSTRIAL VISIT REPORT
ON

Baroda Moulds & Dies



ACADEMIC YEAR 2011-2012

:- INSTITUTE :-

Dr. J.K. Patel Institute Of Management

- We visited Baroda Moulds & Dies on 13th March 2012 at 10:00 am to 2:00pm. We visited the plant at waghodia GIDC.
- Prof. Bhavika Bhatt & Prof. Priyanka Tailor led 60 students on the Visit.
- On behalf of Company Mr. Milind (Production Head) welcomed us. Later Ms Sonu Rajput (Production Incharge), Mr. Balkrishnan (HR Head) also gave us invaluable information regarding Baroda moulds and dies. They also accompanied us and explained us the various processes in the plant, We also met Mr. Arvind Patel (Managing Director)

- Later, at the end of visit, Mr Balakrishnan addressed students about HR strategies, in which students actively participated. They also had question answer round at the end in the conference room.

Name and address of the company

Baroda Moulds & Dies

Contact Person : Mr. Arvind Patel

Plot no. 48, GIDC Industrial Estate,

Waghodia, Baroda Dist.,

Baroda-391760

Gujarat, INDIA.

Phone : + 91 + 02668 - 262148, 262948

Fax : 02668 -262948

Email : bmd@epoxyhouse.com

Company Factsheet

Year of Establishment

1990

Nature of Business

Manufacturer

Total Number of Employees

101 to 500 People

Turnover

US\$ 25-100 Million
(or Rs. 100-400 Crore Approx.)

Major Markets

Indian Subcontinent

Primary Competitive Advantage

Experienced R & D Department

Good Financial Position & TQM

Large Product Line

Large Production Capacity

Leading exporters of epoxy resin

PLANT AND MACHINERY

At Epoxy House, they have latest state of the art manufacturing plants and latest machineries which includes Vacuum casting plant having capacity of 150 kgs mix handling and a vacuum/pouring chamber having size 2000 mm in dia and 2000 mm in length and can handle the moulding tool weighing about 800 to 1000 kgs. They have numbers of Automatic pressure gelation machines which can produce the component starting from 100gms to 35 kilograms .These machines can accommodate mould maximum in size of 1000 mm length,600 mm width and 1000 mm height weighing maximum upto 1500 kgs. They have the latest state of the art resin mix/hardener mix preparation tank having vacuum and temperature controls as required with mix dispensing facilities using static mixture. Numbers of air circulating ovens are available for preheating of the moulds and assemblies curing and post curing of the components. All the ovens are fitted with microprocessor based temperature scanners and recorders.

List of Machineries and measuring Instruments.

S33L - A20 Vertical CNC milling machine from Makino, Japan	
MAX65 _s -A20 Vertical CNC Milling Machine from Makino, Japan	1 No.
BMV40 Vertical CNC Milling Machine from BFW, India	1 No.
EZNC EMS 5535R0 50 Z Spark Erosion Machine from Electronica, India	1 No.
Vertical Universal Milling Machine with D.R.O. From Taiwan	1 No.
Hydraulic Surface Grinding Machine, India	1 No.
Precision Heavy Duty Lathe Machine, India	2 Nos.
Radial Drilling Machine, India	2 Nos.
Shaping Machine, India	1 No.
Automatic Double Column Band Saw Machine, India	2 Nos.
Surface Plate, Micro Flats, India	3 Nos.

List of Machineries used to produce above items :

CNC Lathe	1 Nos.
Precision Heavy Duty Lethe Machine	2 Nos.
Precision Lathe Machine	20 Nos.
A25 PMT Automatic Traub Machine	3 Nos.
Radial Drilling Machine	2 Nos.
Pillar Drilling Machine	3 Nos.
Shaping Machine, India	1 No.
Automatic Double Column Band Saw Machine	2 No.
Hydraulic Power Press	2 Nos.
Forging Press	2 No.
Copying lathe Machine	2 Nos.

PRODUCTS OF THE COMPANY

- Product used in Medium Voltage Switchgear (0.66kV to 66kV System Voltage)
- Product used in Power and Distribution Transformers
- Product used In Generation, Transmission, Metering and Protection of Electricity
- Product used In On Load Tape Changer (OLTC)
- Product used In Medium Voltage Busducts
- Product used in HV_EHV High Voltage Instrument Transformers
- Product used in LT Switchgear
- Epoxy Impregnated and Encapsulated Coils
- Epoxy Resin Cast Components





Quality assurance:

They are quality oriented organization with and ISO 9001 CERTIFICATION, which believes in providing the clients with the premium quality products as per their specifications and requirements. In our observation we found that their quality control is rigid and they implement TQM (total quality control) system so that the finished products are at par with the international quality standards. The quality control analyst working inspects strictly the quality of the products at every stage of manufacturing and packaging. These experts also test the quality of the procured raw materials using latest technologies and tools.

Manufacturing Unit: they have the manufacturing shed in which latest technology from Germany is installed. This ensures the quality and fast production of epoxy resin.

Ware-housing and packaging: they have a well-developed and spacious warehousing unit for the safe storage of bulk products. Quality is assured at every stage. Easy retrieval and storage of the products is ensured. Packaging of the products is done as per the specifications and requirements of their clients. Major of their selling is to overseas clients.

Future expansions: in our conversation with Mr. Milind and Mr. Arvind, they briefed us about the future plans. As they have their major customer base in overseas, they are coming up with the plant in waghodia GIDC, purely export oriented plant. They are the leading exporters of Epoxy resins presently.

Clients: a huge client base in Indian subcontinent

- 1) Areva
- 2) T&D India Ltd
- 3) Biecco Lawrie
- 4) BHEL Jhansi
- 5) BHEL Bhopal
- 6) BHEL Varanasi

7) CTR

8) JYOTI Ltd

9) C& S Electric limited

➤ **OVERSEAS CLIENTELE**

List of Overseas Customers	Country
Al Hassan Electric Co.	Oman
Al. Ahleia Switchgear	Kuwait
Alstom Ltd.	Malaysia
Amalgamated Eng. & Co.(KL) Sdn. BHD .	Malaysia
Amptson Electric Corpn.	Malaysia
Basamad Engeering	Iran
Bekal Hikmat Sdn. Bhd.	Malaysia
Delstar New Zealand Ltd.	New Zealand
Ebomac	Kuwait
EFACEC	Portugal
Emform Ltd. Kirkbey, Liverpool	U.K.
Emirates Transformers & Switchgears	Dubai
EPE Power Corpn. Berhad	Malaysia
Eaton Cutlor Hemmer	U.K.
Federal Transformers Co. L.L.C	Abudhabi
GEC Manufacturing Sdn. Bhd	Malaysia
Hawker Siddley Group	
Hitachi Asia Ltd	Singapore
IEO Transformers	Netherlands
Indicom	Malaysia
LKH Switchgear SDN, BHD	Malaysia
Motornol	New

	Zealand
Pacific Switchgear SDN. BHD.	Malaysia
Power Economy Middle East Co.	U.A.E.
Power Equipment	U.A.E.
PT Hitachi Power Systems	Indonesia
Tamco corporate Holdings SDN. BHD.	Malaysia
The Saudi Transformers Co. Ltd.	Saudi Arabia
Toprank Corporation SDN. BHD.	Malaysia
Univac Switchgear SDN. BHD	Malaysia
Voltamp	Oman
Webster Wilkinson Ltd.	U.K.
Schneider Electric	Egypt
Transformers Manufacturing co. Pvt. Ltd.	Australia
Alfanar Electrical System.	Saudi Arabia
Alstom Ltd.	Australia
Unibus Inc.	U. S. A.
The Thana Electirc Supply Company Ltd.	Hyderabad
Transformers & Rectifier	Changodar
Transformers and Electricals Kerala Ltd.	Angamally
Vijay Electricals Ltd.	H'bad
Voltamp Transformers Ltd.	Baroda

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ACHIEVEMENT S

Awarded Export Excellence certificate for Electrical controls and systems for achieving highest export for the year 1997-98 by Engineering Export Promotion Council, an institute responsible for encouraging and boosting exports from western India.

Obtained ISO-9001 certification for group companies: Electrical Controls & Systems and Kaizen Switchgear Products from RW TUV Germany.

Awarded Export Excellence certificate for Kaizen Switchgear products for achieving highest Exports for the year 1999-2000 by Engineering Export Promotion Council, an institute responsible for encouraging and boosting Exports from western India.