

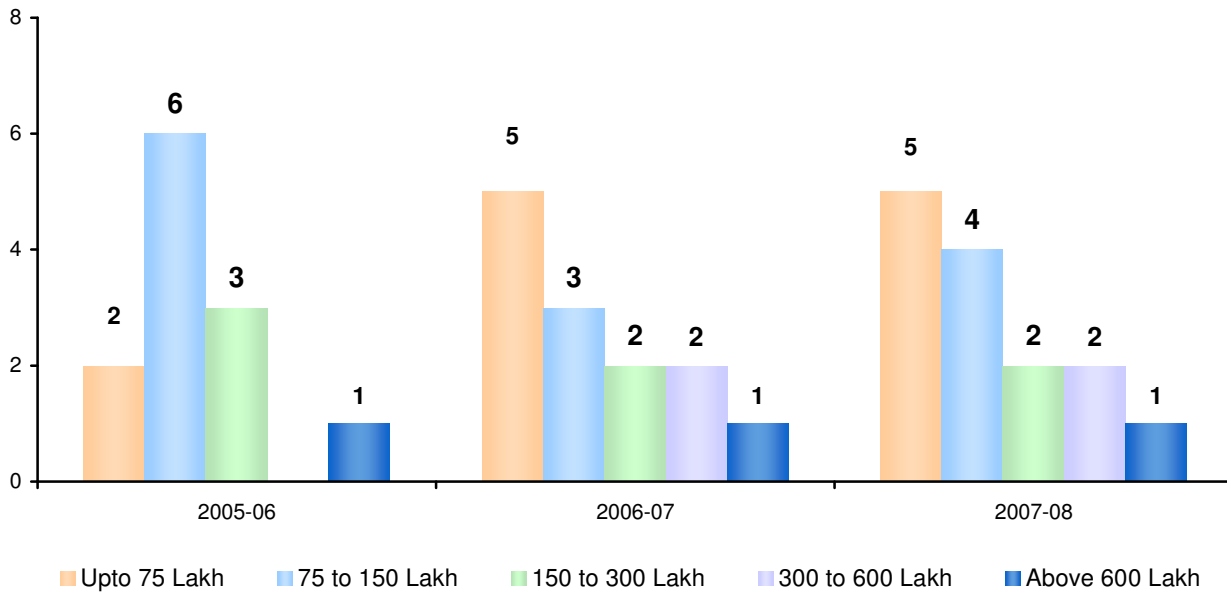
Ahmedabad Cluster

## SUMMARY OF FINDINGS

- There are approximately 600 units in this cluster who are engaged in manufacture of various types of dyes & chemicals, pigments.

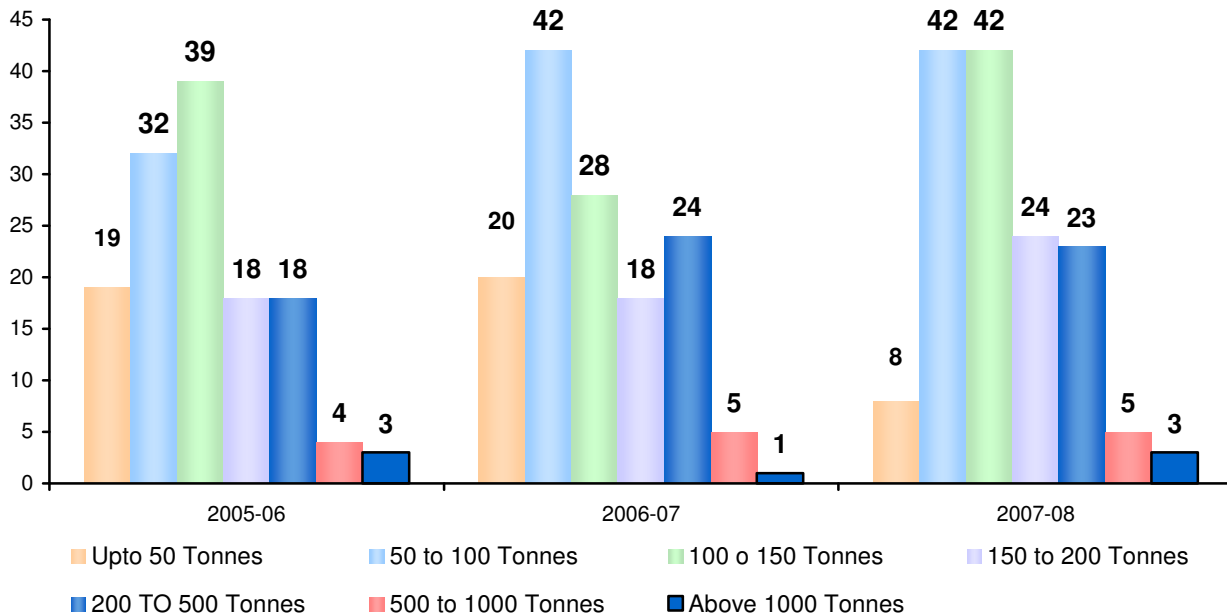
### ➤ ANNUAL TURNOVER

**Annual Production (In Lakh Per Annum)**



➤ **PRODUCTION**

**Annual Production (In Tonnes Per Annum)**

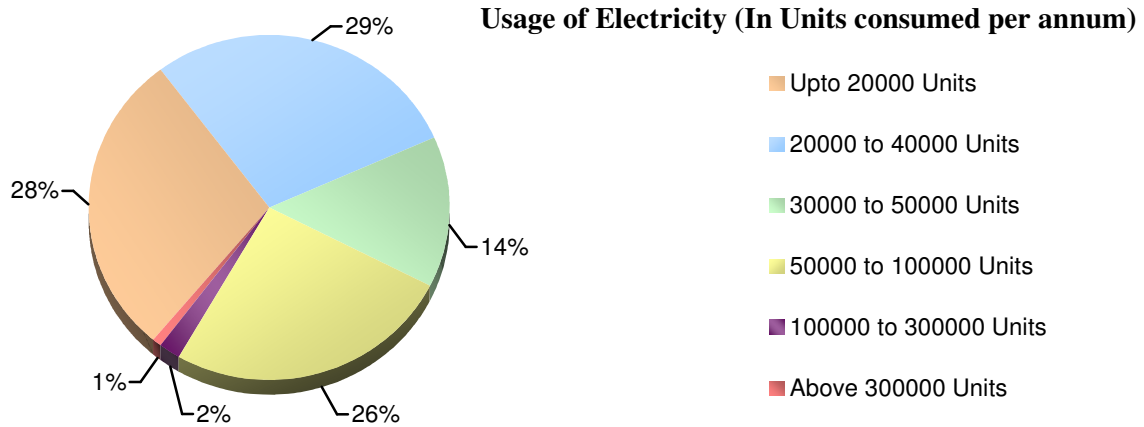


➤ **ENERGY REQUIREMENTS**

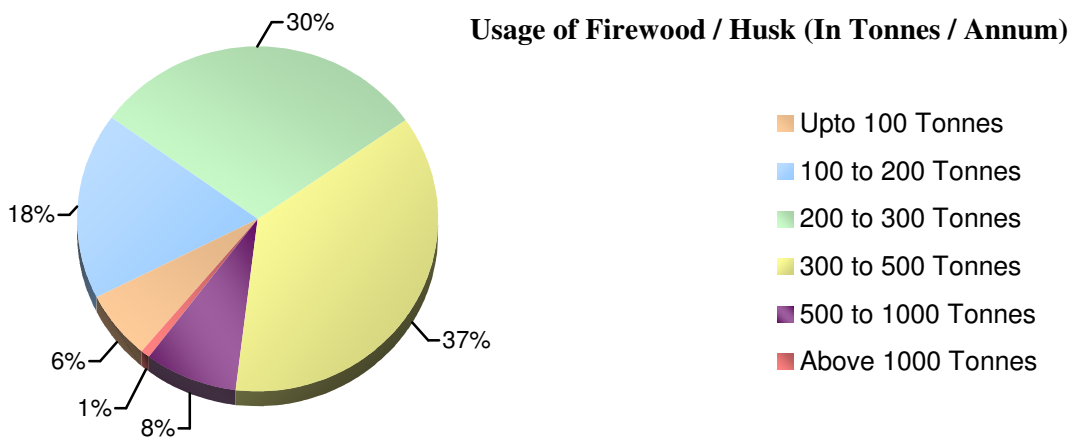
- CUMULATIVE FUEL USAGE

	<b>Qty consumer per annum</b>	<b>Number of Units using the fuel</b>
<b>Electricity</b>	6142878 Units	<b>149</b>
<b>Firewood / Husk</b>	45534 Tonnes	<b>142</b>
<b>LDO</b>	299760 Liters	<b>22</b>
<b>PNG</b>	784200 Kg	<b>25</b>
<b>Coal / Hard Coke</b>	3300 Tonnes	<b>2</b>

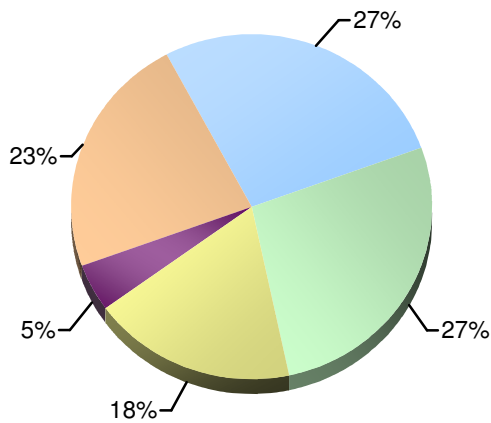
- USAGE OF ELECTRICITY (IN UNITS CONSUMED PER ANNUM)



- USAGE OF FIREWOOD / HUSK (IN TONNES PER ANNUM)



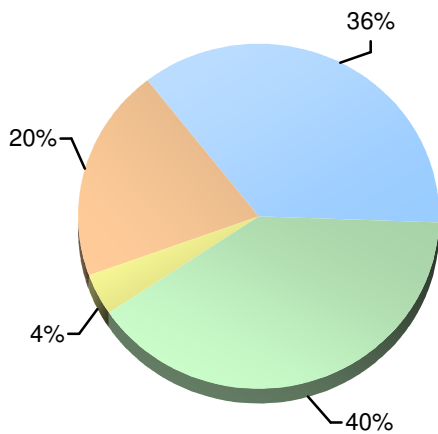
- USAGE OF LDO (IN LITERS PER ANNUM)



**Usage of LDO (In Liters / Annum)**

- Upto 5000 Liters
- 5000 to 10000 Liters
- 10000 to 20000 Liters
- 20000 to 40000 Liters
- Above 40000 Liters

• **USAGE OF PNG (IN KG PER ANNUM)**



**Usage of PNG (In Kg / Annum)**

- Upto 15000 Kg
- 15000 to 30000 Kg
- 30000 to 60000 Kg
- Above 60000 Kg

➤ **RAW MATERIAL REQUIREMENT**

• **CUMULATIVE RAW MATERIAL USAGE**

<i>RAW MATERIAL</i>	<i>Quantity</i>
<i>Major Raw material include Sulphuric Acid, Hydrochloric Acid, Acetylic Acid, Chlorine gas, Benzene, Sodium Nitrate, Pigments, Soda, Methylene, Ethylene, Ammonia, Disulphonic Acid, etc</i>	<i>Due to the variety of products being manufactured, the raw materials were different for each set of units. Thus there were a large number of raw materials with each having relatively less cumulative usage.</i>

## **FIELD OBSERVATIONS**

- Ahmedabad plays a vital role in rendering the commercial resources and market access for the economies of neighboring cities. Some major industries of Ahmedabad are Textiles, Chemicals, and Pharmaceuticals & Petrochemicals.
- The main areas where the chemical industries are located are spread across Vatwa – Ph-1 to Ph-4, Odhav industrial area & Naroda Industrial area. Some small units have also come up in Dudheshwar.
- In Vatwa approx 300 units, in Odhav 50 to 60 units, In Naroda 30 to 40 units are functioning.
- Finish products are General Chemical, Dyes & Dyes Intermediates, Fine Chemicals, Food Chemicals & Foundry chemicals.
- Maximum units are function since last 15 to 20 years & are operatin gin general shift or some units are even operating in 2 shifts.
- Major energy consuming equipments are Pressure vessel, Dryer, Boiler & mixer.
- Energy cost is 5 to 8% of the total production cost. The major cost is of the raw material, which is as high as 65 to 70%.
- The units spread across Vatwa & Odhav are largely into Reactive Dyes, Disperse Dyes, Acid Dyes, Solvent dyes, as well as different Pigments – Reactive Blue, Red, Yellow of different grades. Some units are also into agro chemicals - technical grade as well as formulations.
- The major concern / issue being the pollutants being created due to the chemical reactions as well as effluent being generated round the clock from over 300 units. The Green Environment Co-operative service which was formed wherein it collects the primarily treated liquid effluent and gives it the secondary treatment & proper disposal, a high tech internal collection system & an advanced treatment plant has been developed.
- At present, since last ¾ months the units have slowed down due to market conditions in global sector as well as Indian market, otherwise there is no other problem. Raw material. Energy/power & Labor are all available easily.

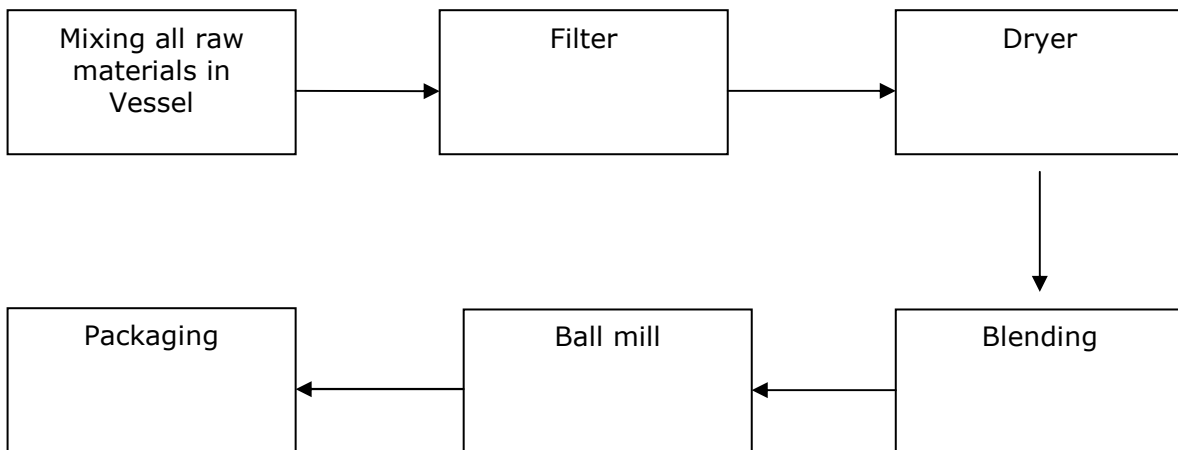
### **Equipments**

- ❖ Vessels
- ❖ Spray Dryer (capacity up to 1000 ltr/hr.)
- ❖ Reverse osmosis system Dryer
- ❖ Magnet Vibrator
- ❖ Mixer
- ❖ Boiler
- ❖ Ball mill/Blinder
- ❖ Filter press

### **Electricity**

Supplied by Torrent, available 24hr and unit rate start from Rs.4.50/- (Weekly one day power cut in industrial area, phase wise they have fixed a day like Wednesday, Thursday, Friday & Saturday). Besides this they are using Coal/Wood/LDO which they get from local traders.

**Process**





**Pressure Vessels**



**Vessels**



**Vessels**



**Dryer**



**Quality testing**



**Quality testing**



**Packing**

## **SERVICE PROVIDERS**

### **Equipment suppliers**

- ❖ Ambica Engineering works, Plot no.5639/D, Phase-2, G.I.D.C. Estate, Vatva,Ahmedabad-382445  
Ph-079- 25894133
- ❖ Ambesh Fabricators, 1412/13, GIDC, Phase-3, Vatva, Ahmedabad  
Ph-079-25830467.
- ❖ Amron Industries, Plot no. 80/1/2/3, Phase-1, G.I.D.C. Estate, Vatva,Ahmedabad-382445.  
Ph-079-25894401, 25894356
- ❖ Texofab Engineers, Plot no-2801, Phase-4, GIDC, Vatva, Ahmedabad,  
Ph079-25842338.
- ❖ R..k Engineering,C/1/B 377, G.I.D.C, Vatva, Phase-2, Ahmedabad-382445  
Ph-079-25891340/65451340
- ❖ Yamuna Fabricators  
6, Jogeshwari Ind. Estate, Nr. Revabhai Ind. Estate, Ahmedabad-380026  
Ph-079-25860542, 25860143
- ❖ Heat Chem Engineering Company, Plot no- 4608, Phase- 4, G.I.D.C, Vatva, Phase-4, Ahmedabad-382445  
Ph-079-25840092.
- ❖ Balia Engg.
- ❖ S. V. Industries, 86/3/5, Agrawal Industrial Estate, Mehandikuva Road, Shahpur, Ahmedabad- 380001,  
Ph- 079-25621425
- ❖ Fluid tech boilers, Ahmedabad
- ❖ Ballkrishna boiler pvt. Ltd, Ahmedabad

- ❖ J.M. Engineer  
C-86,Phase 2nd,G.I.D.C.,Estate,  
Vatva,  
Ahmedabad-382 445.
- ❖ PREMIER ENGINEERING and EQUIPMENT MFGR. CO.  
182/13/14,GIDC Estate,Naroda,  
Ahmedabad-382330  
Ph- 22823289,22820375 .
- ❖ Everest Fabricators  
85/86,G.I.D.C.,Opp Ambika Nagar,  
Odhav,  
Ahmedabad-382415  
Ph- 22871508, 22873417

### **Chemical suppliers**

- ❖ Minal Industries, F/41, Vijay Plaza, 1st floor,  
Opp. Abad Dairy,  
Kankaria,  
Ahmedabad-380022  
Ph- 079- 65 239655,  
Mr. Paresh Joshi
- ❖ Pacific Agencies,  
2nd Floor, 176,  
D.K. Sandu Marg,  
Chembur (E)  
Mumbai -71,  
Ph-022-25281382 / 25284615
- ❖ A. B. Enterprises,  
202. Shradhanand,  
272/274, Samuel Street,  
Mumbai -400003  
Ph-022-66312586, M- 9869434794  
Mr. Manohar Lal
- ❖ 204, Shiv Chambers, Sector-II,  
CBD Belapur (East),  
Navi Mumbai-400914  
Ph-022-67219997/98/99.
- ❖ Dipal Marketing Pvt. Ltd,  
409, 4th floor,  
Span Trade Centre,  
Opp, Kochrab Ashram,  
Ahmedabad  
Ph- 079-26584061, 26589312.

- ❖ Jay Chemical Agency  
F/9, Fair Deal house,  
Swastic Cross Road,  
Navrangpura,  
Ahmedabad  
Ph- 26568426.
  
- ❖ Sudesh Chemicals Pvt. Ltd  
22/A, Swastik Society,  
Navarangpura,  
Ahmedabad-380009  
Ph-26561460.
  
- ❖ Oswal Chemicals,  
143/21, Ganseh Dehla,  
Madhavpur,  
Ahmedabad  
Ph- 22123299.
  
- ❖ Amjey Chemicals  
B-503, Time Square Building,  
C.G.Road,  
Eillise bridge,  
Ahmedabad,.  
Ph- 26420303.
  
- ❖ Solvo Chem  
C-2/A/10, Phase-1, GIDC,  
Vatva,  
Ahmedabad.  
Ph-097-25831940.
  
- ❖ Ashirwad Industris  
Plot no.C-110/2,  
GIDC, Odhav,  
Ahmedabad.  
9909431873  
Mr. Dillipbhai N. Patel
  
- ❖ Chittaliya Brothers  
B/3, Madhavpura Market,  
Sahibaug Road,  
Ahmedabad  
Ph-25621104.

## **Major Industries Associations**

- ❖ The Gujarat Dyestuffs Manufacturers Association  
Metrochem Chamber,  
Karma, 8th floor, Paldi,  
Ahmedabad-380007, Ph-26652061 (Mr. Keyur Sheth, Secretary)
  
- ❖ Vatva Industries Association  
G-1, Phase-1, GIDC, estate,  
Vatva,  
Ahmedabad-382445  
25833496, (Mr. K.H.Shah, Secretary)
  
- ❖ Ahmedabad Management Association, Ph-32512847, 26308601
  
- ❖ Federation of Industries & Associations Ph- 66614430
  
- ❖ Gujarat Chamber of Commerce & Industry Ph-26582301, 26582302.
  
- ❖ Gujarat Chemical Association, Ph-26565749
  
- ❖ Gujarat State Small Industries Federation, Ph-26584409
  
- ❖ Naroda Industries Association, Naroda, Ahmedabad. Ph-22822361
  
- ❖ Odhav Industries Association, Odhav, Ahmedabad. Ph-22871202
  
- ❖ Odhav Enviro Projects Limited, Plot. No-25, GIDC, Estate,  
Odhav,  
Ahmedabad-382415  
PH: 22891277 (Mr. B.P.Panchal)

## **BANKERS**

- ❖ Bank of Baroda, Vatva branch, Ahmedabad, Ph-079-26473279
- ❖ SME –CONNECT CENTRE, G-1, Phase – 1, GIDC Estate,  
Nr. Vatva Industrial Association  
Nr. SBI Vatva,  
Ahmedabad- 382445
- ❖ Canara bank Circle office, Narayan Chambers, Ashram Road, Ahmedabad-  
380009, Ph- 079-26576978,26579600
- ❖ State Bank of India Vatva Industrial Estate Branch, Phase-1, GIDC, Vatva,  
Ahmedabad-382445, Ph-079-25831836,25890530.
- ❖ Bank of India Vatva branch, Phase-1, Ahmedabad-382445, Ph-079-25832132
- ❖ The Kalupur Commercial Co.Op. Bank Ltd Phase-3, Vatva, Ph-079-25831067.
- ❖ ICICI bank Income tax road, Ahmedabad. Ph-26578560
- ❖ IDBI BANK Elish bridge, Ahmendabad. Ph-26407933
- ❖ Dena Bank Odhav branch, Ahamedabad
- ❖ Gujarat State Financial Corporation
- ❖ State Bank of Punjab Odhav branch, Ahamedabad