



Situation Analysis for SME
Sector

Ahmedabad Cluster

Submitted to
TERI

By

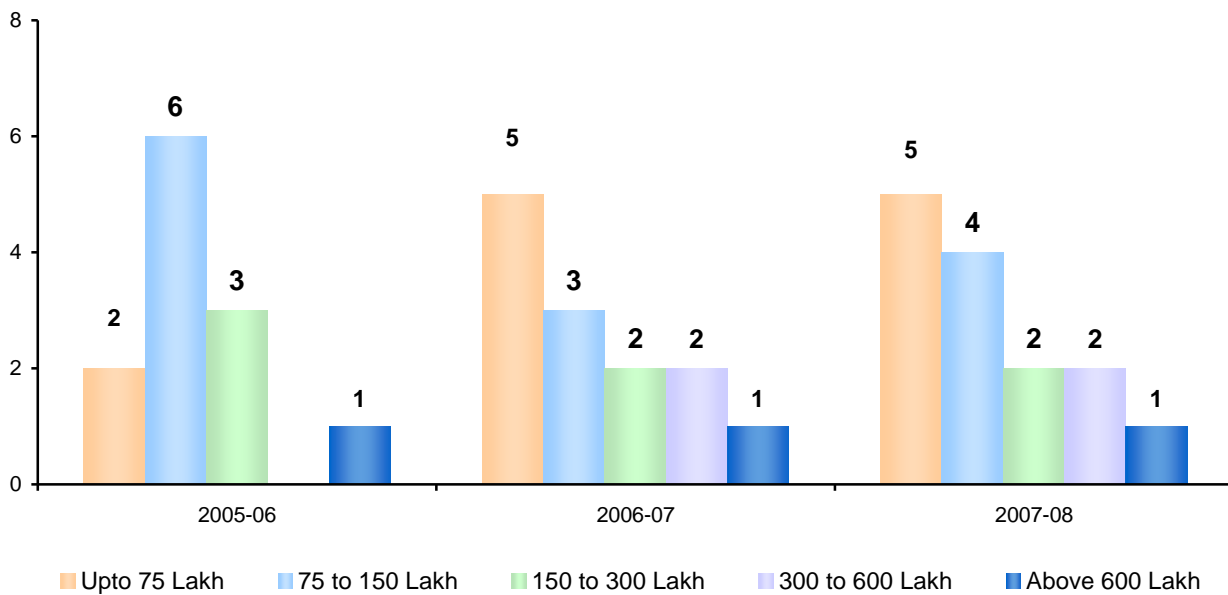
 **ACNielsen ORG-MARG**

SUMMARY OF FINDINGS

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

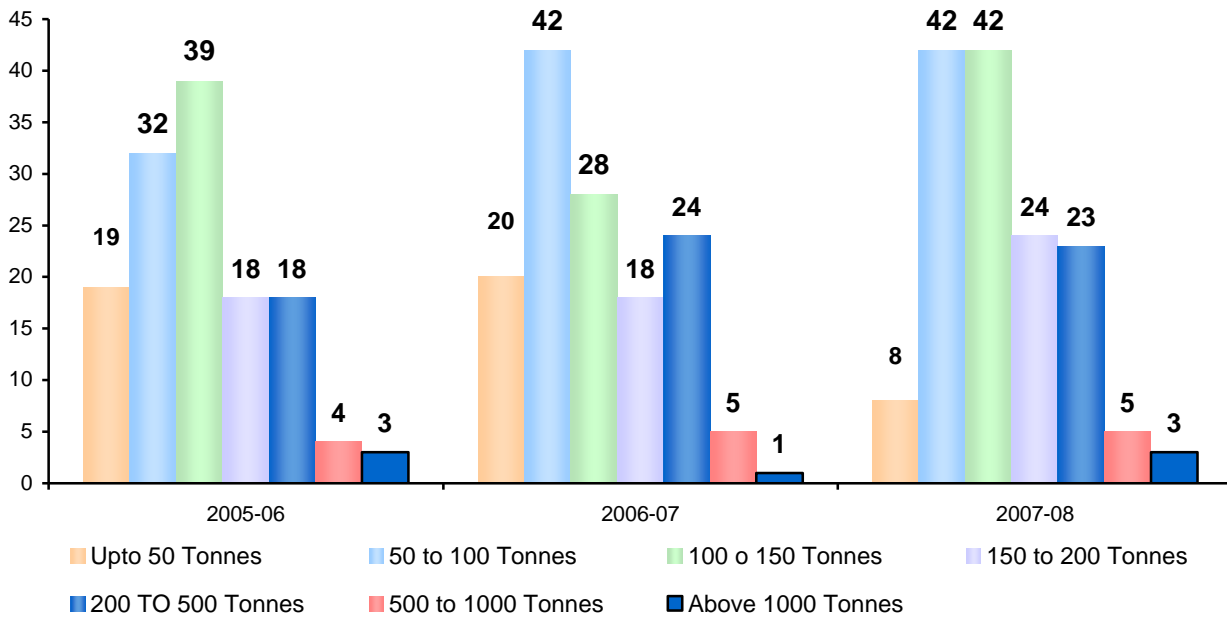
➤ ANNUAL TURNOVER

Annual Production (In Lakh Per Annum)



➤ PRODUCTION

Annual Production (In Tonnes Per Annum)

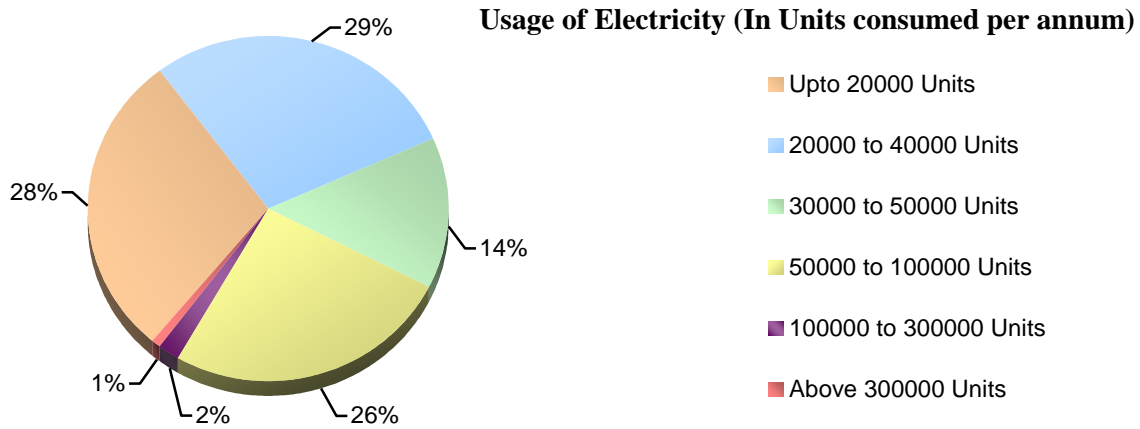


➤ ENERGY REQUIREMENTS

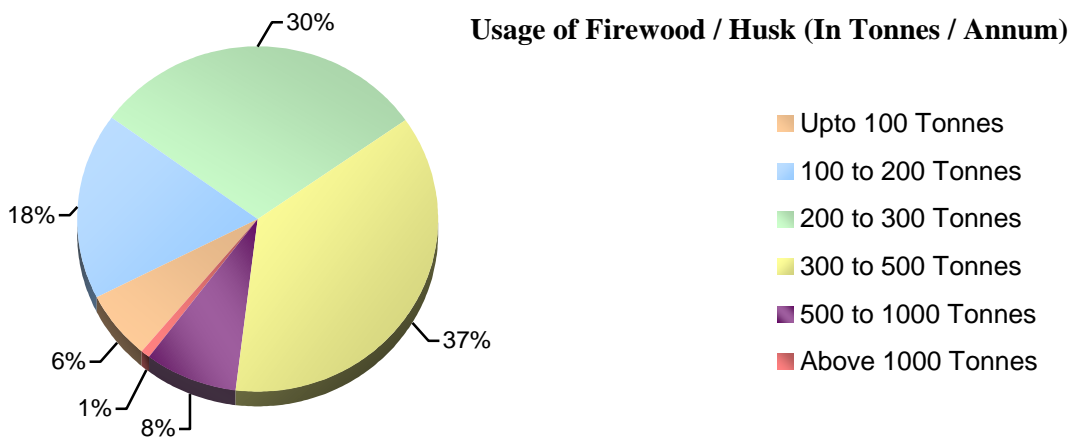
- CUMULATIVE FUEL USAGE

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

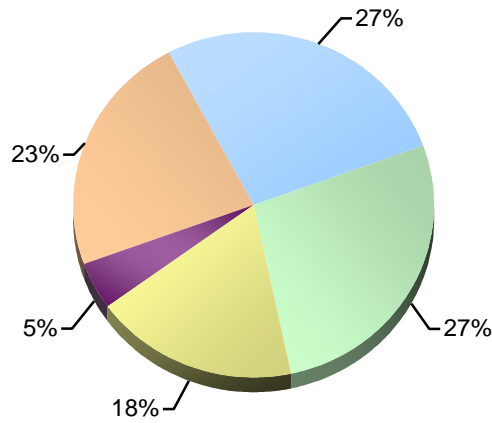
- USAGE OF ELECTRICITY (IN UNITS CONSUMED PER ANNUM)



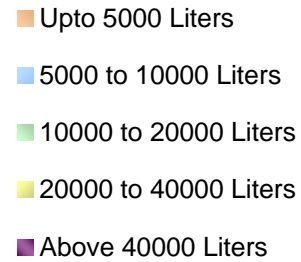
- USAGE OF FIREWOOD / HUSK (IN TONNES PER ANNUM)



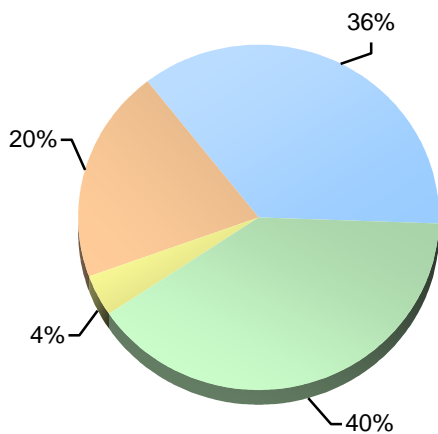
- USAGE OF LDO (IN LITERS PER ANNUM)



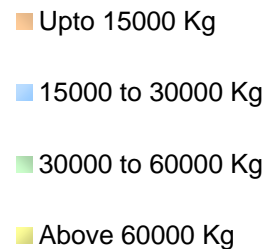
Usage of LDO (In Liters / Annum)



• USAGE OF PNG (IN KG PER ANNUM)



Usage of PNG (In Kg / Annum)



➤ **RAW MATERIAL REQUIREMENT**

• CUMULATIVE RAW MATERIAL USAGE

RAW MATERIAL	Quantity
Major Raw material include Sulphuric Acid, Hydrochloric Acid, Acetylic Acid, Chlorine gas, Benzene, Sodium Nitrate, Pigments, Soda, Methylene, Ethylene, Ammonia, Disulphonic Acid, etc	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.

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 Vatva 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 operating in 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.

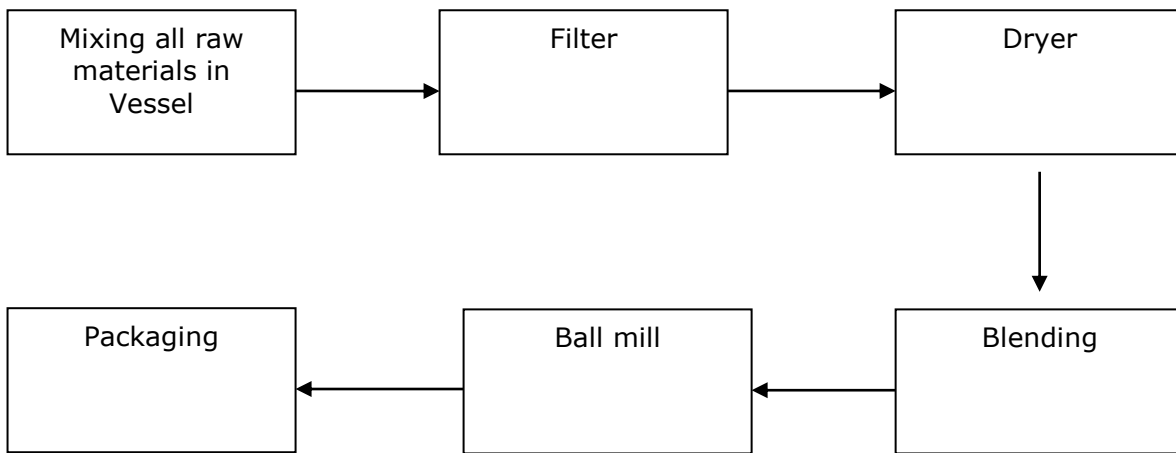
Equipments

- ❖ 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