



Situation Analysis for SME
Sector



Surat Cluster

Submitted to
TERI

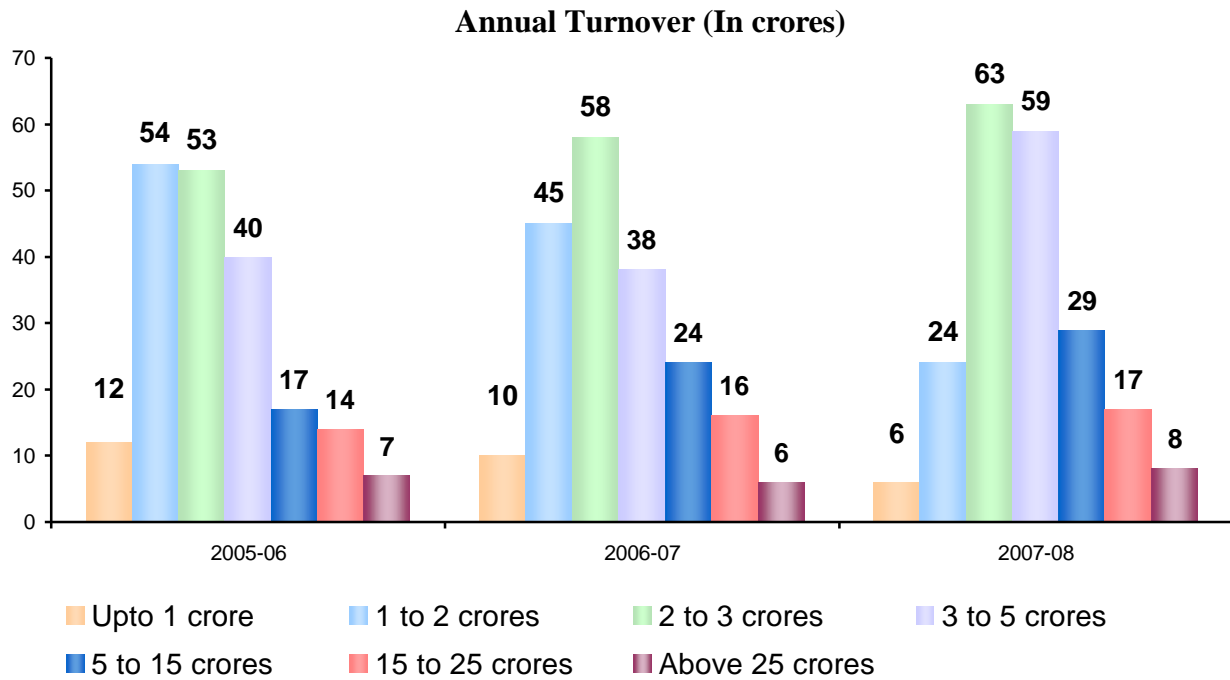
By

 **ACNielsen ORG-MARG**

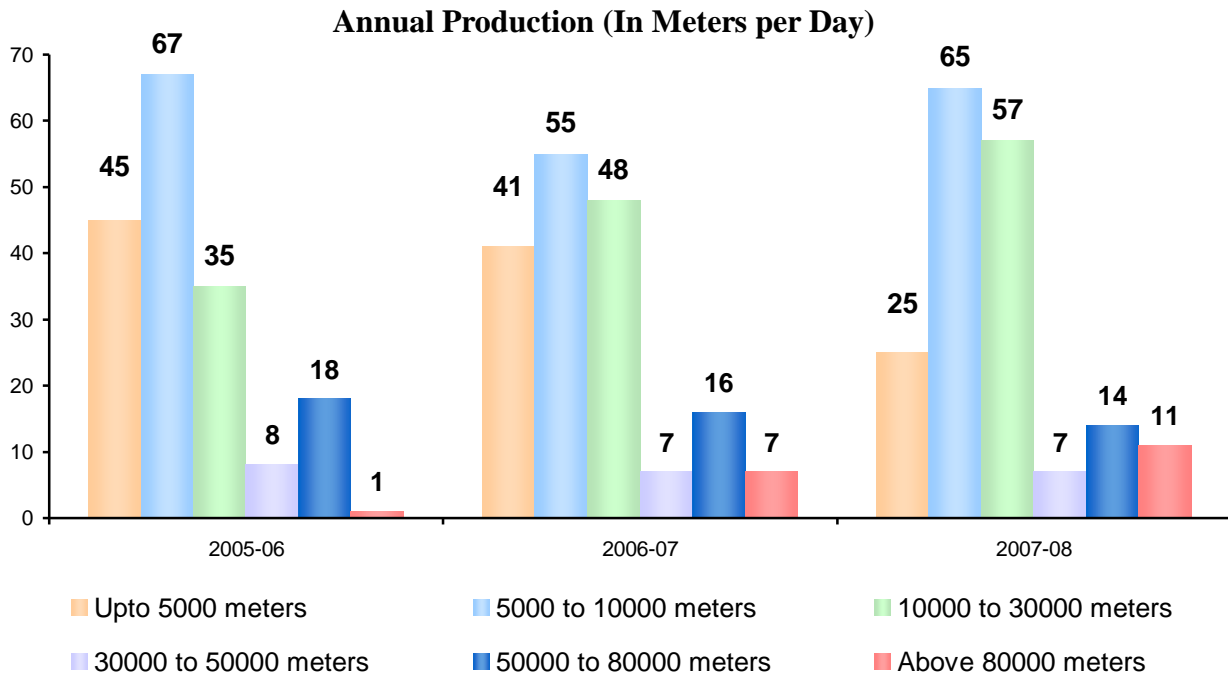
SUMMARY OF FINDINGS

- There are approximately 550 units in this cluster who are engaged in textile processing.

➤ ANNUAL TURNOVER



➤ **PRODUCTION**

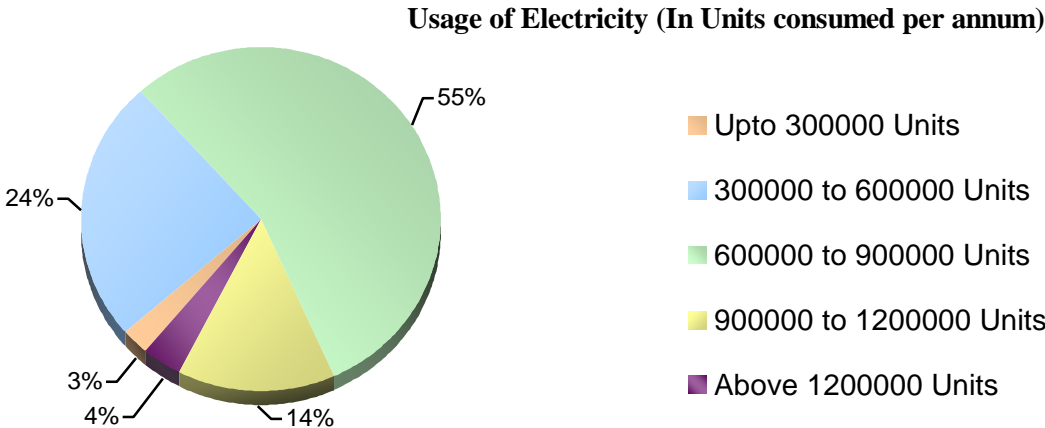


➤ **ENERGY REQUIREMENTS**

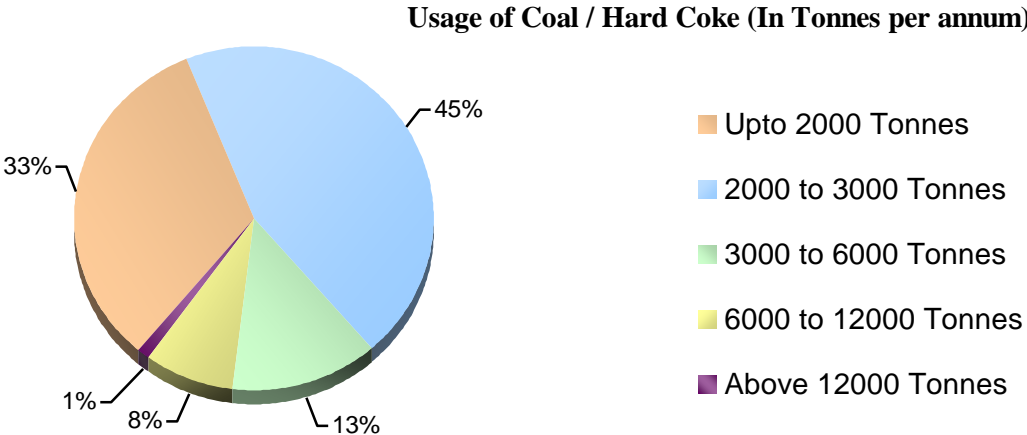
• CUMULATIVE FUEL USAGE

| | Qty consumer per annum | Number of Units using the fuel |
|-------------------------|-------------------------------|---------------------------------------|
| Electricity | 144143128 Units | 192 |
| Coal / Hard Coke | 378600 Tonnes | 97 |
| LDO | 7822500 Liters | 131 |
| Lignite | 297900Tonnes | 86 |
| Natural gas | 19170000 SCM | 30 |
| HSD | 2749200 Liters | 14 |

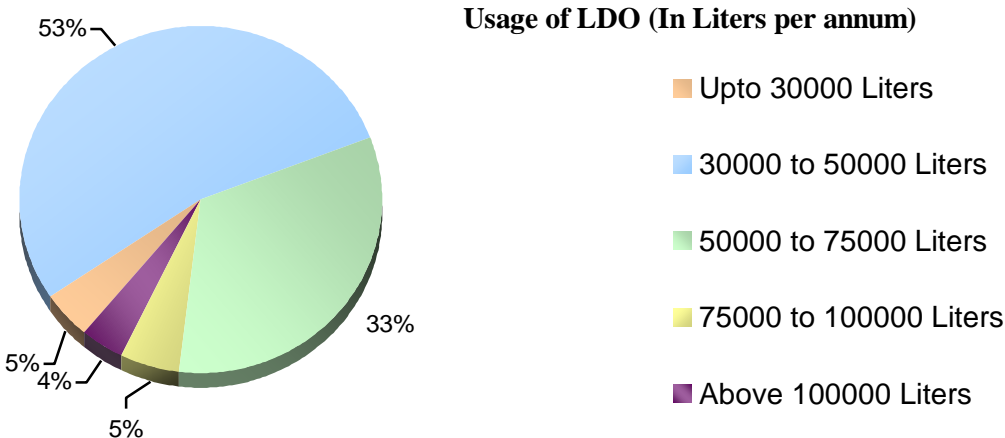
- USAGE OF ELECTRICITY (IN UNITS CONSUMED PER ANNUM)



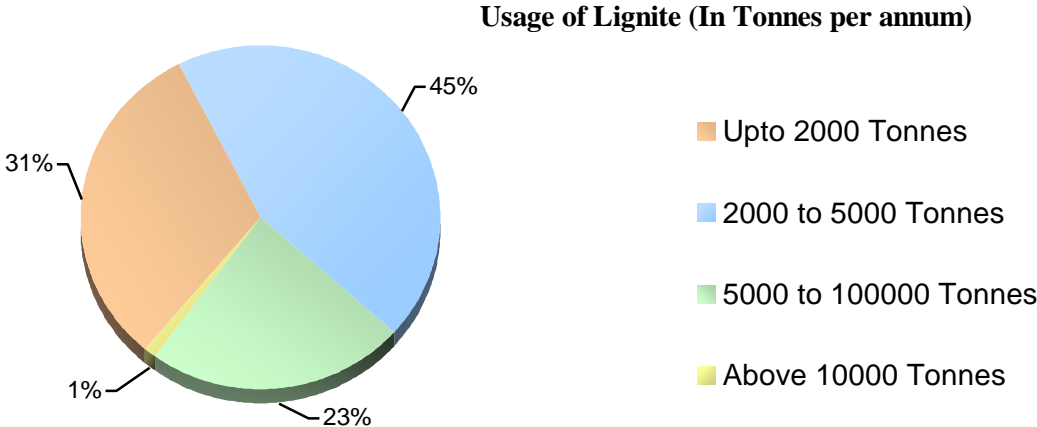
- USAGE OF COAL / HARD COKE (IN TONNES PER ANNUM)



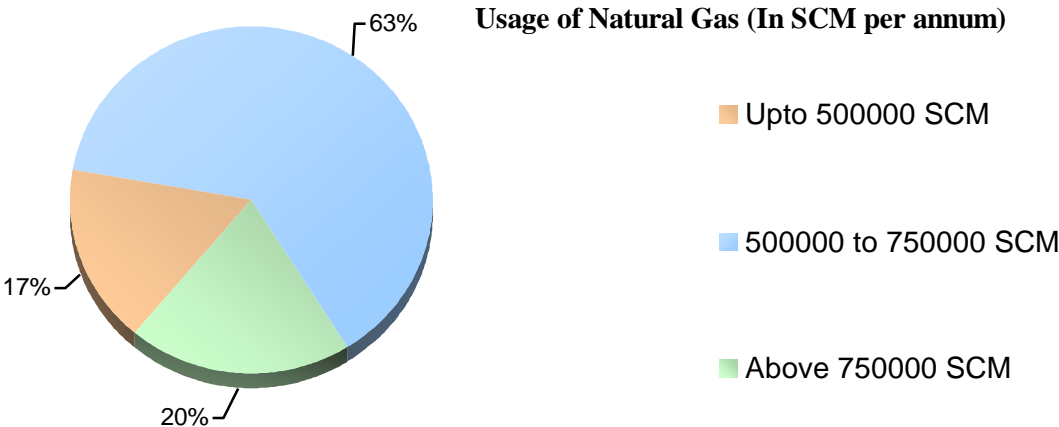
- USAGE OF LDO (IN LITERS PER ANNUM)



- USAGE OF LIGNITE (IN TONNES PER ANNUM)



- USAGE OF NATURAL GAS (IN STANDARD CUBIC METERS PER ANNUM)

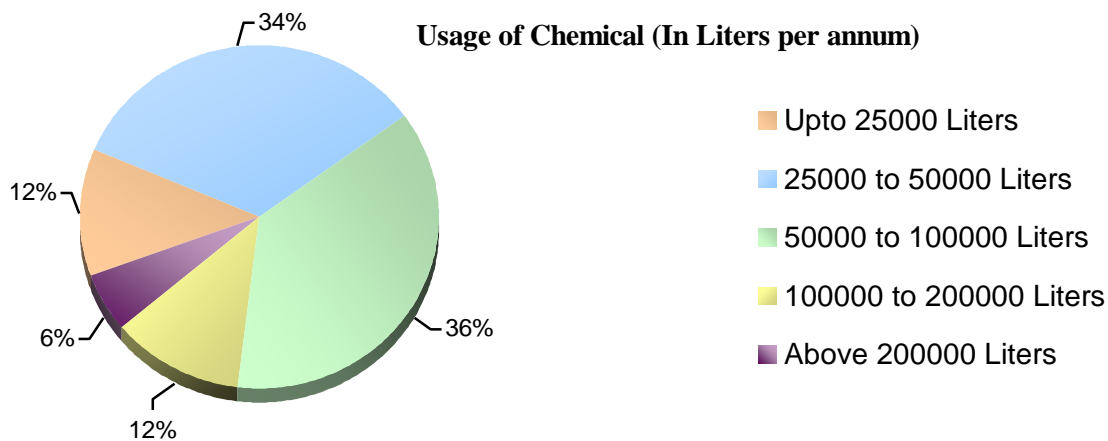


➤ RAW MATERIAL REQUIREMENT

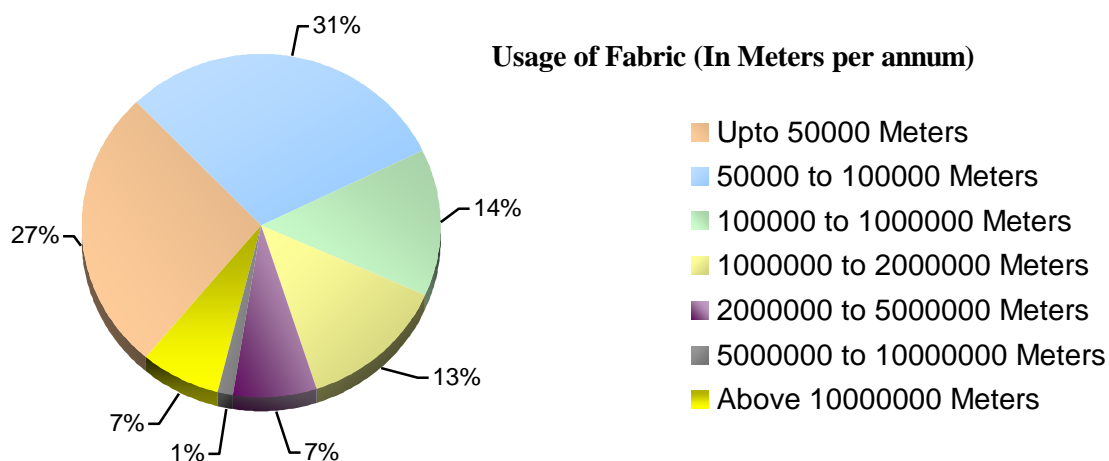
• CUMULATIVE RAW MATERIAL USAGE

| | Qty consumed per annum | Number of Units using the raw material |
|-----------------|-------------------------------|---|
| Chemical | 13453500 Liters | 125 |
| Brass | 319989600 Meters | 150 |
| Yarn | 247500000 Meters | 80 |

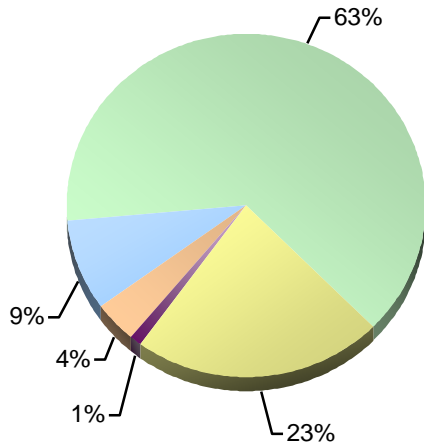
• USAGE OF CHEMICAL (IN TONNES PER ANNUM)



• USAGE OF FABRIC (IN METERS PER ANNUM)



- USAGE OF YARN (IN METERS PER ANNUM)



Usage of Yarn (In Meters per annum)

- Upto 1000000 Meters
- 1000000 to 2000000 Meters
- 2000000 to 3000000 Meters
- 3000000 to 6000000 Meters
- Above 6000000 Meters

FIELD OBSERVATIONS

- ✓ Surat, an emerging city in the state of Gujarat, is known as the textile city of Gujarat. Textile industry is one of the oldest and the most widespread industries in Surat. The industrial area in Surat is mainly occupied by textile industries.
- ✓ The textile industries in Surat are associated with production of yarn as well as processing of Fabric, jari works & Embroidery works.
- ✓ Main Industrial areas are Sachin, Pandesara, Katodana & Palsana as well as Udhana.
- ✓ There are around 200 units of textile processing in Sachin, 200 in Pandesara, app. 100 units in Katodana and some 100 spread across Palsana & Udhana.
- ✓ Maximum units are functioning from 15 to 20 years. & all are mechanised.
- ✓ The major raw material (grey cloth) is being procured from local manufacturer/traders.
- ✓ Energy cost is app 12 to 15% of the total production cost. Labor is not a problem as migratory labor is easily available.
- ✓ Majority of the units are purchasing grey fabric , on an average the roll is 100 mtr & the average processing time is 2 to 5 hr.
- ✓ There are certain units , process houses which are completely integrated houses starting from yarn to fabric to dyeing/printing, finishing but majority of the units are into dyeing /printing of grey fabric – cotton,viscose,synthetic.

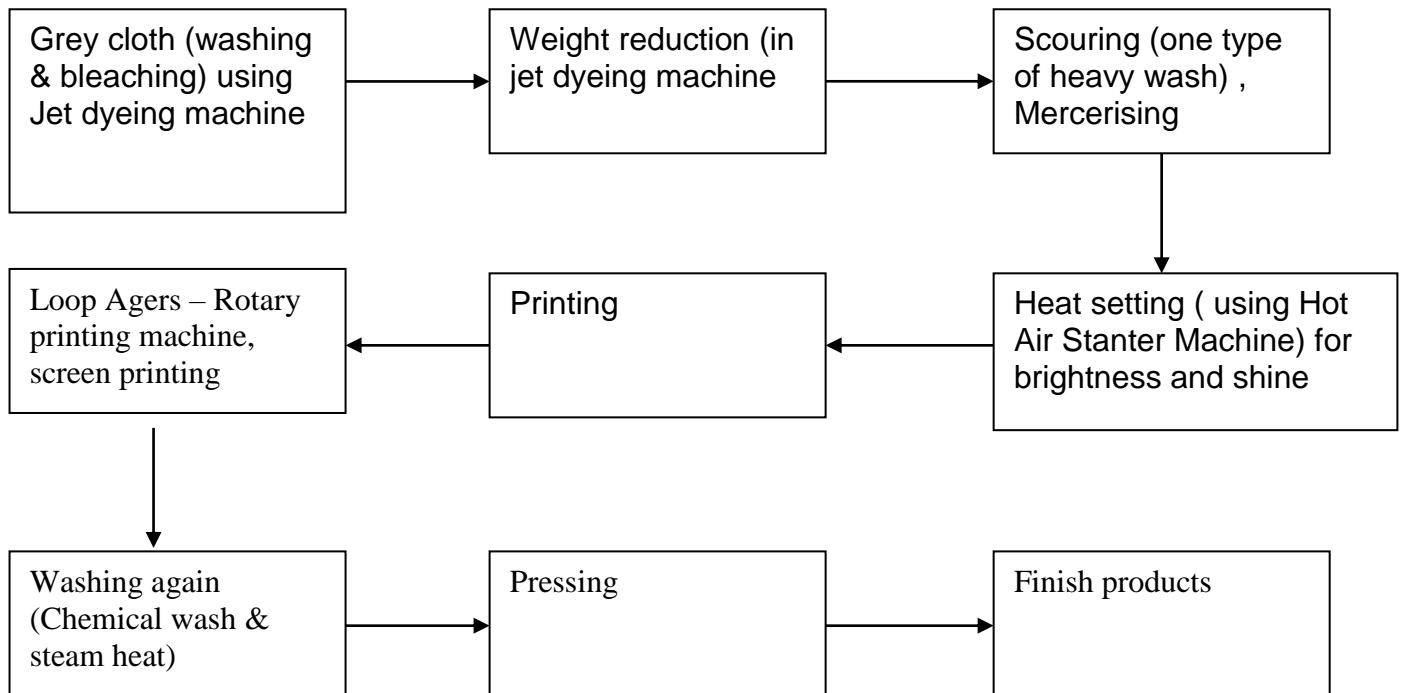
Energy/Fuel

- ✓ Electricity is supplied by Gujarat State Electricity Board. Power is available for 24 hr. Weekly one day power cut. Area wise day fixed for power cut like, Wednesday, Thursday, Friday & Saturday. Unit rate Rs. 6 to 8/- depend on the basis of consumption & type of connection.
- ✓ Gas Supplied by Gujarat Gas Company limited in Industrial area for Yarn heat setting, Jet Dyeing, Heat exchanger & Boilers. During the interactions with the units it was found that the units don't get sufficient gas, due to shortage of gas, on an average in an month the units are closed for 7 to 10 days.
- ✓ Coal & wood getting from local traders

Equipments

- ✓ **Relax Rotary Drum Machine** (High temp. up to 140° C., Working pressure - 4 Kg./cm², Capacity - 200 kg. / 400 kg.)
- ✓ **Jet Dyeing Machine.** (Capacity 200 to 500 kg (single tube), Liquor ratio – 1:1 (Wet fabrics), Dye – 30 to 400 grms/ mtr. High temp upto 140 Deg. C, Fabric speed – 300 mtrs/min.)
- ✓ **Long tube Fabric Dyeing Machine / Long Tube Soft Flow Fabric Dyeing Machine,** (fabric speed upto 400/metres. The range is highly popular amongst the clients because of its low liquor ratio and lowest power Consumption. Capacity 100 kg to 200kg, heating time 25 to 30 min. & cooling time 15 to 30 min.)
- ✓ **“O” Type Soft Flow Fabric Dyeing Machine,** (fabric speed up to 300 Mtrs / Min., subject to quality of fabric. Liquor ratio starting with 1:5 for polyester and 1:8 for cotton.)
- ✓ **“U” Type Soft Flow Fabric Dyeing Machine,** (Fabric Speed up to 400 Mtrs. / Mins, , heating time 25 to 30 min. & cooling time 15 to 30 min.)
- ✓ **Open Width Fabric Mercerizing machine with Caustic Recovery Unit,** (Working Width 1200 to 3200mm, Roller Width 1400 to 340mm, Fabrics Woven Fabrics Made of Cotton, Mercerizing Technology Chainless - Hot Mercerizing, Fabric Speed 10 to 40 Mtrs./Min. Temperature - 60°C, Time - 40-50 Sec.)
- ✓ **Relax Rotary Drum Washer,** (Capacity 250 to 400 kg & temperature 140 °C)
- ✓ **Printing Machine** (8 to 9000 mtr. Printing in 24 hr)
- ✓ **Central Machine** (50,000 to 1.5 lac mtr. In 24 hr.)
- ✓ **Boilers (Steam),** (Upto 15 ton capacity (3 to 5 ton capacity maximum using in surat))

Process





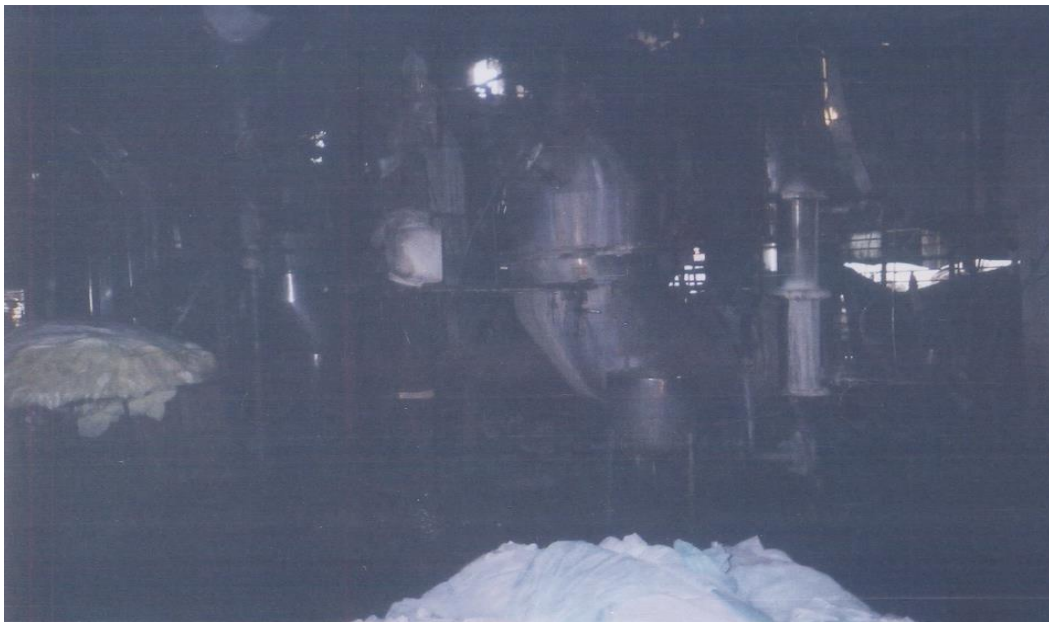
Raw Materials (Grey cloth)



Washing



Chemical washing



Jet Dyeing machine



Flow Dyeing machine



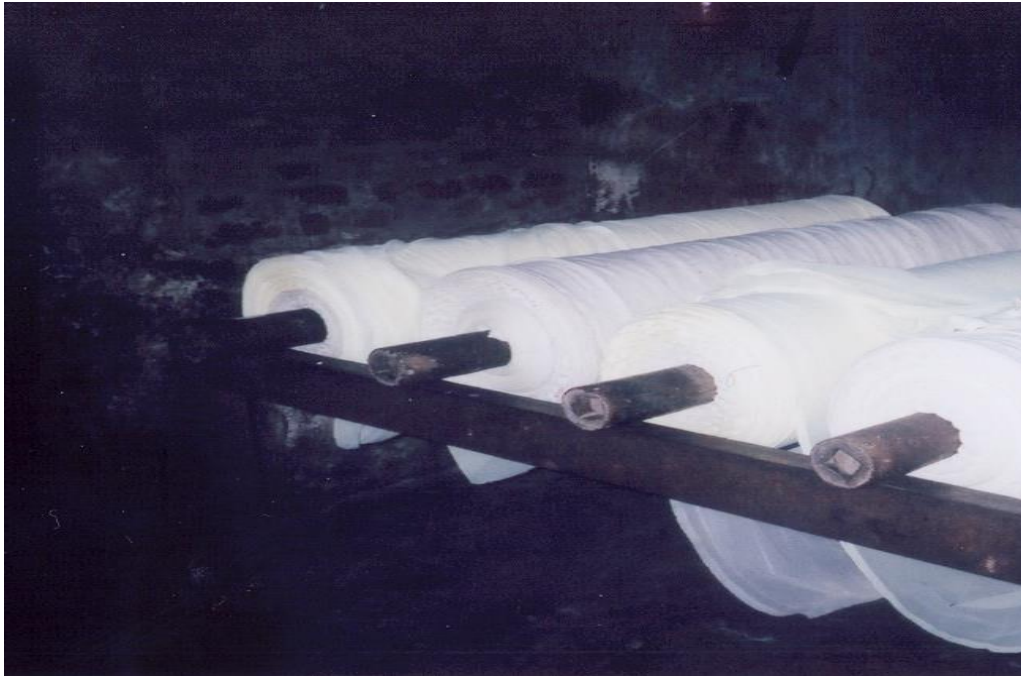
Washing tank



Dye bath



Boiler



Ready for printing work



Printing machine



After printing

SERVICE PROVIDERS

Equipment Supplier's

- ✓ Texfab Engineers (I) Pvt Ltd
Mr. Mukesh Pachauri
Road No.57, Plot No. 5716, GIDC Estate,
Surat- 395 003
Phone. : 0261-2397243/ 2397844,M- 09898042000
- ✓ Indtex Boiler pvt. Ltd.
Mr. Gunvant Nayak
Plot No. 1601, Phase 1,GIDC Naroda, Ahmedabad – 382330.
Ph- 079 22823370, M-98250 15168
- ✓ Devrekha (Textile Dyeing Machinery Supplier),
A-2, 6/102, GIDC,Sachin, Surat-394230.
Ph- 0261-2398881/2398882
- ✓ Shridhar Engineering
76/B, Central Road No. 5, Udhna,
Udhyognagar
Surat - 394 210
Ph-0261-2279829.M- 09825118894
- ✓ Bhagyarekha Engineers Private Limited, A-2, 6/102,

G.I.D.C. Sachin, Surat – 394230

Ph-0261-2398881 / 2398882, M-9825148739.
- ✓ Shiv Tex Engineers, Plot no-511, Road no-5, GIDC,
Sachin-3942301
Ph-0261-2399992
- ✓ Energy Pack Boilers pvt. Ltd
12, Satguru Nanik East Goregaon,
Mumbai-63.
- ✓ Garg Corporation Boiler supplier,
6/14, Road no-A, GIDC,
Pandesara, Ph-2890174.

Machinery Spares

✓

Bhanderi Impex , G 44 Princess Plaza, Varachha Road, Surat, Ph-0261-2543311

- ✓ Himson Textile Engineering Industries Pvt Ltd . Hiralal Colony, Ashwini Kumar Road, Surat, Ph-0261-2551348 , 2553528 , 2551350 , 2551349
- ✓ Shree Gayatri Reed Mfg Co, C 37 Sagar Industries, Surat, Ph-0261-2531190 , 2533582

Raw Materials suppliers

- ✓ A C Shah & Co , Nr Leopracy Hospital, A K Road, Surat. Ph-0261-2552348 , 2548755 , 2542716
- ✓ Altret Performance Chemical Gujarat Pvt Ltd, 12/2881 Altret House, M G Road, Surat, Ph- 0261-2451807, 2451808 , 2451809
- ✓ K Tech India Ltd , 7/B Bata Compound, Naupada Thane W, Surat, Ph- 2225476486, 2225476496
- ✓ United Organic, U 19, Bombay Market, Surat, Ph-0261-2897256
- ✓ Polyester yarn supplied Reliance, JCT
- ✓ Shree A One Sales Corp. 10, Divya nagar complex, GIDC, Pandesara, Ph-2896221
- ✓ Ram Trading Company, Udyog Nagar, Udhana, Surat-2277824
- ✓ Pragati texchem. 508, City centre, U.M. Road, M-9925012571.

Coal supplier

- ✓ Swastik Coal Corporation (India) Ltd.
- ✓ Coastal Energy pvt. Ltd, Shop no-7/8, 3rd floor, Raghans plaza, God Dod road, Surat, Ph-3053465
- ✓ Shree Ji Bio fuels, Plot no-931, GIDC, Sachin

For industrial wastage water treatment plant

Globe Enviro Care Limited, Plot No. PP/1, Off-Road No2, B/H-KayTex Mills, GIDC-Estate, Sachin, Surat.

Association

The Southern Gujarat Chamber of Commerce & Industry
Mr. Chetan Shah, President
Samrudhi
Makkal Pool,
Nanpura
SURAT – 395001
0261-3917777

Pandesara Ind. Co. Op. Society Ltd,
2nd floor,
Plot no-195, Opp-Vintex Mill,
GIDC, Pandesara

Industries Commissionerate
Government of Gujarat
Mr. Dhaval PARIKH
DIC
M.S. Building
C-Block, 2nd Floor,
Nanpura
SURAT – 395001

0261-2465925

Bankers

- Allahabad Bank (1/864, Alaknanda Appt., Timliyawad, Surat, Gujarat, Ph-0261-2470024)
- Andhra Bank (Swati Appt., Timaliyawad, Surat, Ph-0261-2474069)
- Bank Of Baroda (Sangna soci., Below Archies Gallary, Adajan Road, Surat, Ph-0261-2786307.)
- Bank Of Madhuri (Manoj Market, Opp. Surat Text-tile, Ring Road, Surat, ph-0261-2322396.)
- Bank Of Maharashtra (Prime Arcade, Adajan Road, Surat, Ph-0261-2730518.)
- Central Bank Of India (Timliyawad, Opp. Kailash Restaurant, Nanpura, Surat, Ph-0261-2472047.)
- Dena Bank (Shree Appt., 1 st Floor Nanpura, Surat, Ph-0261-2476425.)
- Indian Overseas Bank (4/3366, Nr. Hajoori Chamber, Zampa Bazaar, Surat. Ph-0261-2420349.)
- The Surat Textile CO OP Bank LTD (The Surat Textiles Tower, Nr. Mahavir Market, Ring Road, Surat, Ph-0261-2320196.)
- Bank Of Baroda (Udhna Land State, Central Road, 10 Udhana, surat, ph-0261-2277467.)
- State Bank Of India (Nanpura Branch, Athugar Street, Timaliyawad, Surat, Ph-0261-2472144.)
- The Sachine Industrial CO-OP Bank (Shrinathji Comp., Opp. Jivan Jyot Cinema, Udhana, Surat, Ph-0261-2273323.)
- The Varachha CO-OP Bank Ltd. (Vishwaj Bhavan, Nr Viddh kutir Varachha Road, Surat, Ph-0261-2580591.)