

# Part -4

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## IMPORTANT INDUSTRIES OF INDIA

### COTTON TEXTILE INDUSTRY

The oldest and the largest organised modern industry of India.

### MANUFACTURING CENTRES

- Mumbai largest centre.
- Other centres: Nagpur, Amravati, Wardha, Jalgaon, Aurangabad, Pune, Satara, Solapur, and Kolhapur.

### Gujarat

- Ahmedabad Second largest centre after Mumbai.
- Other centres: Porbandar, Rajkot, Vadodara Surat.

### Madhya Pradesh

- Bhopal, Indore, Dewas, Ujjain, Ratlam, Gwalior, Jabalpur etc.

### Tamil Nadu

- Coimbatore. (Most important centre) Other centres - Chennai, Perambur, Salem, Tiruchirapalli, Madurai, Tirunelveli, Tuticorin, etc.

### West Bengal

- Kolkata (most important centre).
- Other centres: Howrah, Serampur, Murshidabad, etc.

### Uttar Pradesh

- Kanpur (largest centre). Other centres: Varanasi, Mirzapur, Lucknow, Agra, Modinagar, Saharanpur etc.

### Rajasthan

- Jaipur, Pali, Bhilwara, Kota, Udaipur, Ganganagar.

### Karnataka

- Bangalore, Mysore, Mangalore, Chitradurga, Belgaum.

### Orissa

- Cuttack.

### Punjab

- Amritsar, Dhariwal, Phagwara, Ludhiana.

### Kerala

- Thiruvananthapuram, Alleppey.

### Bihar

- Patna, Gaya, Bhagalpur.

### Andhra Pradesh

- Hyderabad, Secunderabad, Rajamundry, East Godavari and Udayagiri.

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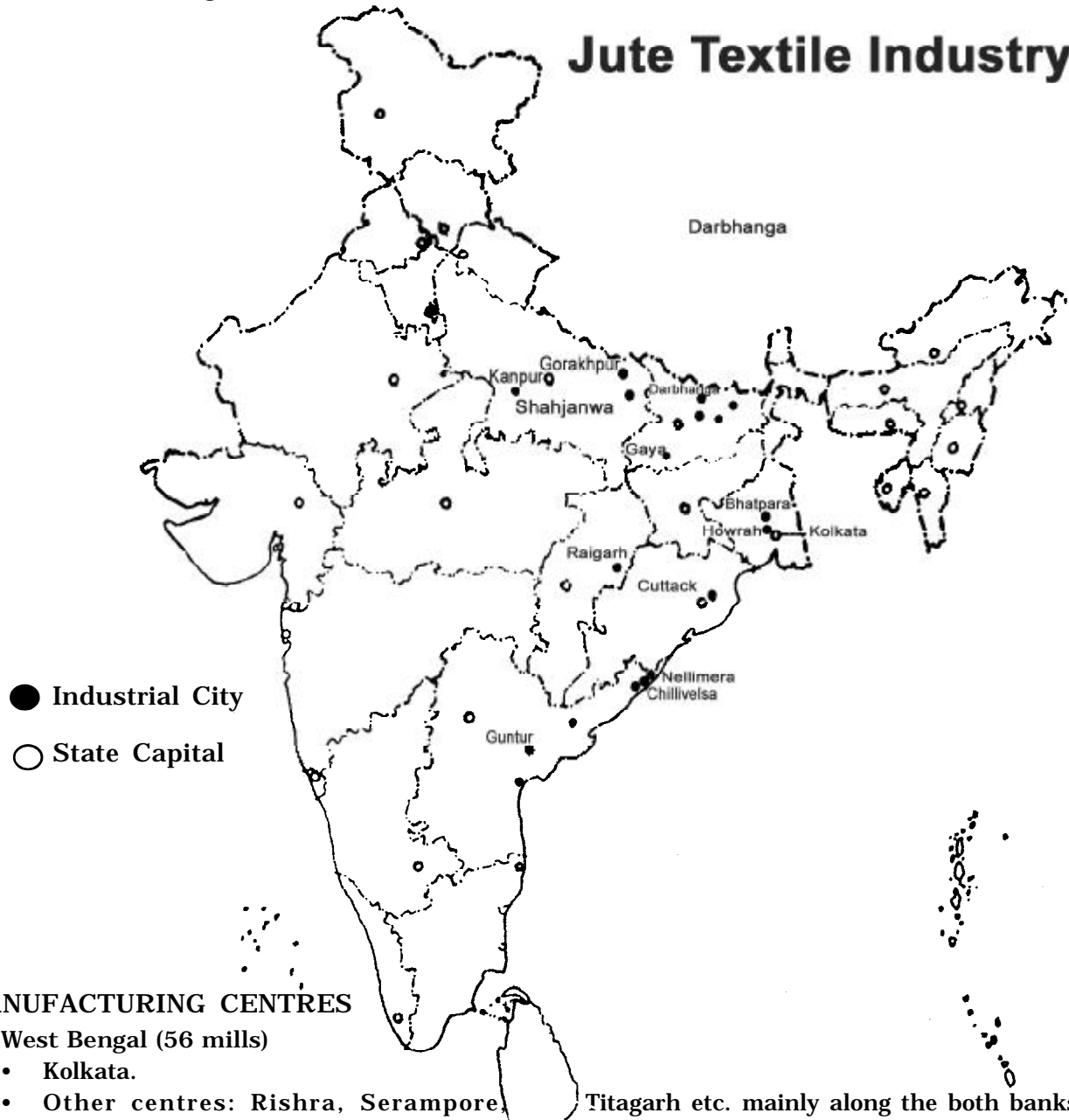
# Cotton Textile Industry



### JUTE TEXTILE INDUSTRY

- First large scale industry was established in 1855 at Rishra, (near Serampur) in West Bengal.
- This industry suffered a great because of partition in 1947 because 80 percent of Jute producing areas went to Bangladesh while almost all the Jute mills remained in India.

## Jute Textile Industry



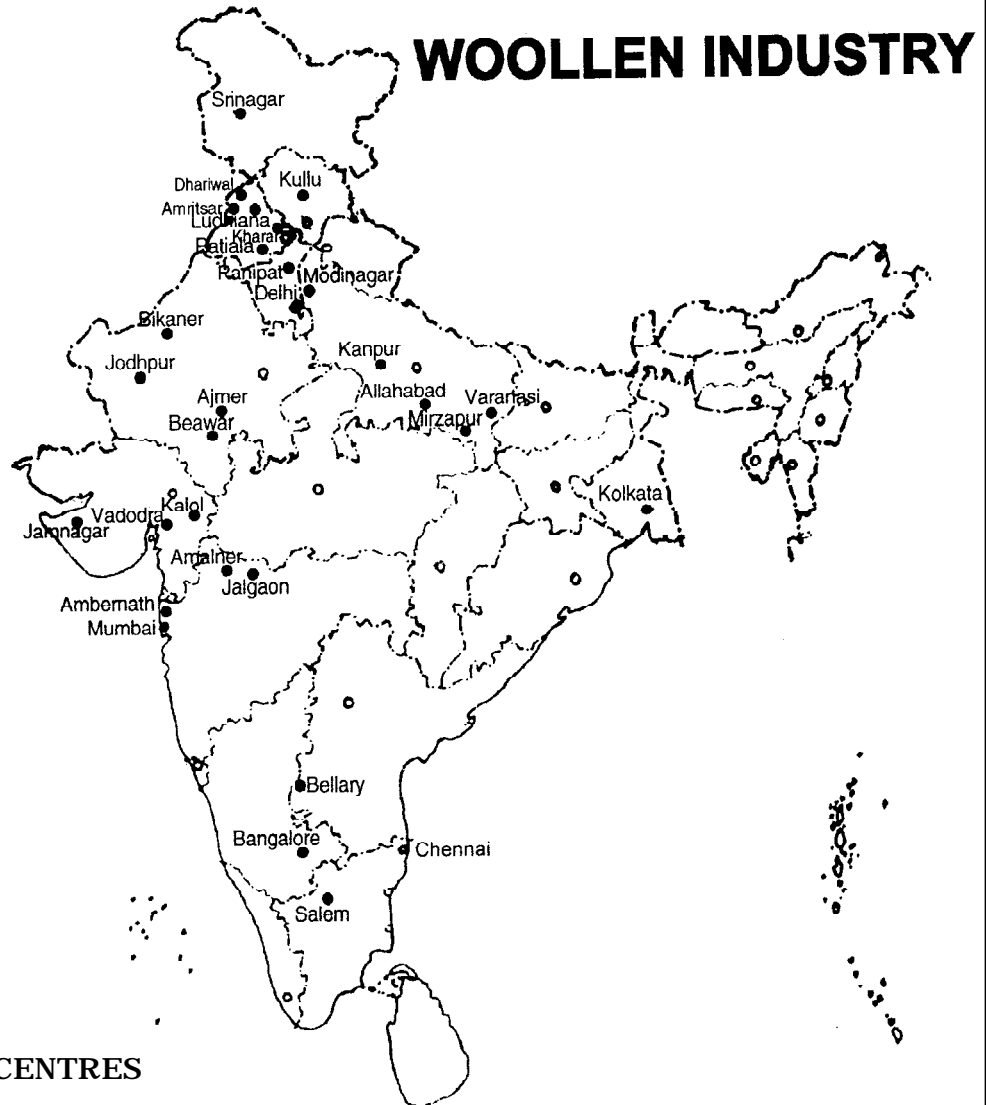
- Industrial City
- State Capital

### MANUFACTURING CENTRES

- West Bengal (56 mills)
  - Kolkata.
  - Other centres: Rishra, Serampore, Titagarh etc. mainly along the both banks of Hooghli river.
- Andhra Pradesh
  - Vishakhapatnam, Eluru, Guntur and Ongole.
  - Other important states:
- Uttar Pradesh
  - Kanpur, Gorakhpur and Shahjawan.
- Bihar
  - Darbhanga, Samastipur, Purnea, Katihar and Gaya.

### WOOLEN TEXTILE INDUSTRY

- One of the oldest textile Industries of India. The first woolen mill was started at Kanpur in 1876.



● Industrial City

○ State Capital

### MANUFACTURING CENTRES

#### Punjab

- Dhariwal (largest centre).
- Other centres: Amritsar, Ludhiana and Patiala.

#### Maharashtra

- Mumbai (industry based on imported wool).
- Other Centres: Jalgaon, Ambarnath.

#### Uttar Pradesh

- Kanpur, largest Woolen Textile centre in the state).
- Other Centres: Modinagar, Allahabad, Varanasi and Mirzapur.

#### Gujarat

- Jamnagar, Kalol, Vadodara.

#### Other Important states:

##### Karnataka

- Bangalore, Bellary.

##### Tamil Nadu

- Chennai, Salem.

##### Jammu and Kashmir

- Srinagar.

##### Himachal Pradesh

- Kullu

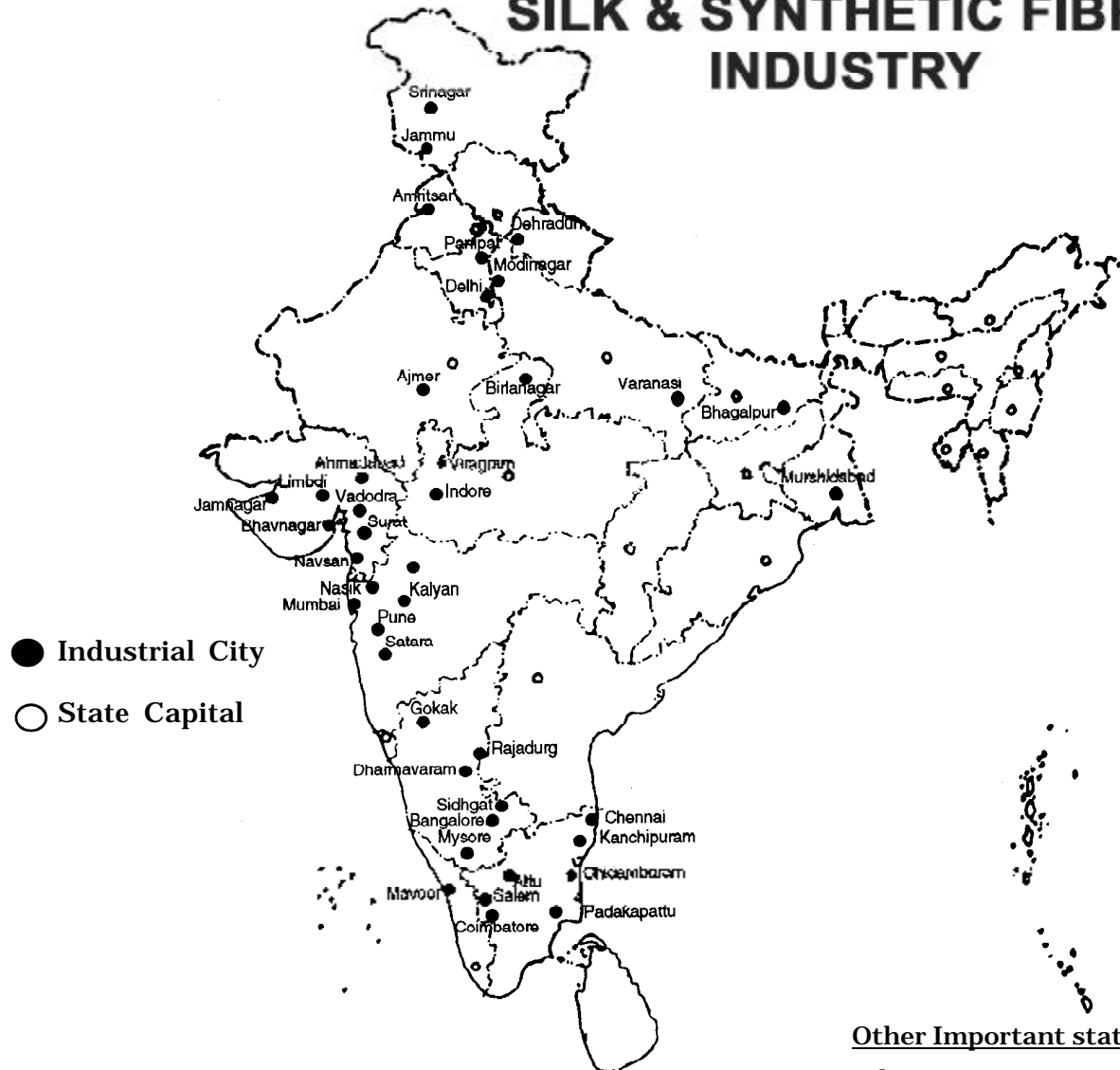
##### West Bengal

- Kolkata.

### SILK AND SYNTHETIC FIBRE INDUSTRIES

- About 98 percent of the total production comes from Karnataka, West Bengal and Jammu and Kashmir.

## SILK & SYNTHETIC FIBRE INDUSTRY



- Industrial City
- State Capital

### MANUFACTURING CENTRES

#### Karnataka

- Bangalore, Kolar and Mysore.

#### West Bengal

- Murshidabad, Bankura, 24 Parganas and Birbhum districts.

#### Jammu and Kashmir

- Srinagar (big centre).
- Other Centres: Baramulla, Anantnag, Udhampur, Jammu.

### Other Important states:

#### Bihar

- Bhagalpur (famous for silk industry), Patna, Gaya.

#### Jharkhand

- Palamau, Hazaribagh.

#### Madhya Pradesh

- Birlanagar, Viragram and Indore.

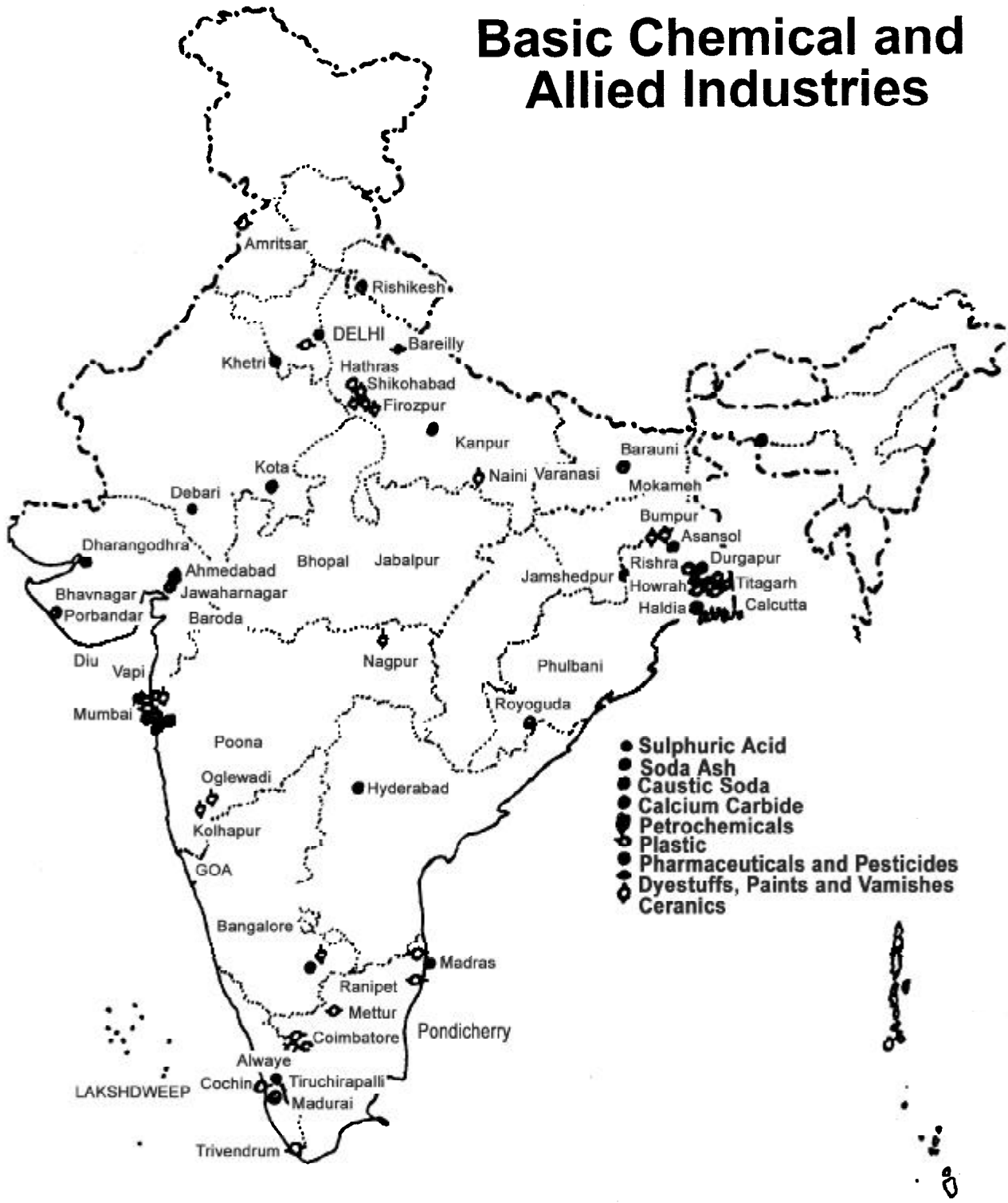
#### Uttar Pradesh

- Varanasi.

## CHEMICAL INDUSTRIES

- Fourth largest set of industries after textiles, iron and steel and engineering industries.
- Products of chemical industry are more multifarious than of any other industries of equal importance.

## Basic Chemical and Allied Industries



## HEAVY INORGANIC CHEMICALS

### Alkali Chemicals

#### Caustic Soda

- Widely used to manufacture paper, textile soaps and detergents and alumina.

#### MANUFACTURING CENTRES

##### West Bengal

- Kolkata, Titagarh

##### Gujarat

- Porbandar, Mithapur.

##### Maharashtra

- Thane, Nepa paper mills in Nagpur.

#### Soda Ash

- Sodium Chloride and Limestone mainly used in the manufacture of soap, paper, textile, glass, detergents and refined petroleum.

#### MANUFACTURING CENTRES

##### Gujarat

- Mithapur, Okha.

##### Uttar Pradesh

- Varanasi

##### Punjab

- Nangal.

##### Tamil Nadu

- Tuticorin.

### Acids

#### Sulphuric Acid

- Used for manufacturing synthetic fibres, fertilizers, plastics, paints and dyestuffs.

#### Nitric Acid

- Bulk of production from fertilizer factory.

#### MANUFACTURING CENTRES

##### Rajasthan

- Hindustan Zinc, Debari, Hindustan Copper, Khetri

##### Maharashtra

- Mumbai, FCI in Trombay (largest producer).

##### Tamil Nadu

- Chennai.

##### Jharkhand

- Jamshedpur.

##### Kerala

- Alwaye.

##### West Bengal

- Kolkata.

##### Delhi.

## ORGANIC CHEMICALS

### Petrochemical Industry

- Raw materials derived from petrochemical resources and industries are concentrated near petroleum and coal fields regions.
- Used to produce petroleum by-products like synthetic fibres, plastics and rubber.

#### MANUFACTURING CENTRES

##### Trombay

- Union Carbide India Ltd. (first petrochemical industry)

##### Koyali

- Udex Plant.

##### Vadodara

- Indian Petrochemical Ltd. (IPCL), first public sector enterprise.

##### Chennai

- Madras Petrochemicals Ltd.

##### Thane

- National Organic Chemicals Ltd.

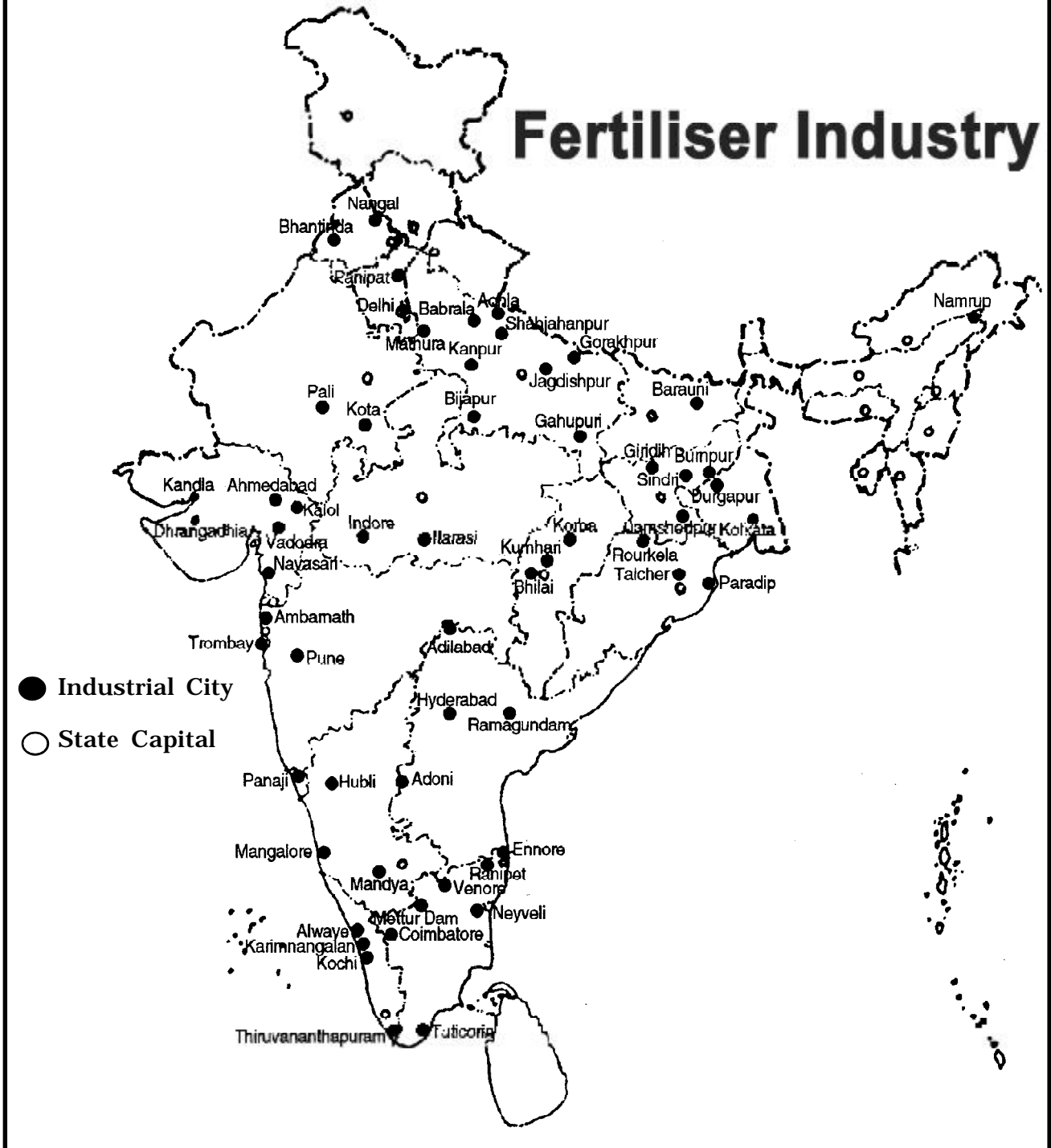
##### Bongaigaon

- Second public sector enterprise.

### FERTILIZER INDUSTRY

- Most of the fertilizer plants are located near oil refineries and use naphtha as the basic raw materials for nitrogenous fertilizer.

## Fertiliser Industry



**Punjab**

- Nangal, Bhatinda.

**Haryana**

- Panipat

**Uttar Pradesh**

- Gorakhpur, Mathura, Kanpur and Varanasi.

**Bihar**

- Barauni

**Jharkhand**

- Sindri (first public sector plant) and Giridih.

**West Bengal**

- Durgapur and Haldia

**Orissa**

- Rourkela and Talcher.

**Chhattisgarh**

- Bhilai and Korba.

**Andhra Pradesh**

- Vishakhapatnam, Kottagudem and Ramagundam.

**Tamil Nadu**

- Chennai, Ennore, Neyveli, and Tuticorin.

**Kerala**

- Thiruvananthapuram, Cochin, Alwaye, Travancore.

**Maharashtra**

- Trombay and Thane.

**Gujarat**

- Ahmedabad, Vadodar and Kalol.

**Assam**

- Namrup.

**Delhi**

**ALUMINIUM INDUSTRY**

Aluminium Corporation of India (ALCO) - One of the oldest plants in India which is located at Jayakayanagar in West Bengal.

Indian Aluminium Company Limited (INDAL): (An integrated plant having three units).

Muri (Jharkhand): Aluminium is extracted from bauxite.

Alupuram (Kerala): Reduction plant of alumina.

Belur (Karnatak): Manufactures aluminium sheets, rods etc.

Hirakud (Orissa): In order to achieve more demand another plant was set up.

Hindustan Aluminium Corporation Limited Renukoot, near Mirzapur (U.P.): A plant of HINDALCO is located.

Bharat Aluminium Company (BALCO)

Korba (Chhattisgarh): A plant was set up to utilise aluminium ores of Amarkantak.

Ratnagiri (Maharashtra): The second plant of BALCO to utilise aluminium ores of Udaigiri - Dhangarvadi.

National Aluminium Company (NALCO): A plant was set up at Damanjodi near Jaypore (Koraput district of Orissa) with assistance from French company.

Madras Aluminium Company Ltd. (MALCO): Its plant is situated at Mettur (Tamil Nadu).

**COPPER SMELTING CENTRE**

Hindustan Copper Limited (HCL) is sole producer of copper in India.

**Rajasthan**

- Khetri Copper Complex in Jhunjhunu district is an integrated copper mining cum metallurgical unit. It receives copper ore from.
- (i) Dariba Copper Project in Alwar district.
- (ii) Chandmari (8 km south of Khetri) in Jhunjhunu district.

**Madhya Pradesh**

- Malajkhanda Copper Project located in Balaghat district to supplement the supply of copper ores in Khetri.

**Jharkhand**

- Indian Copper Complex.

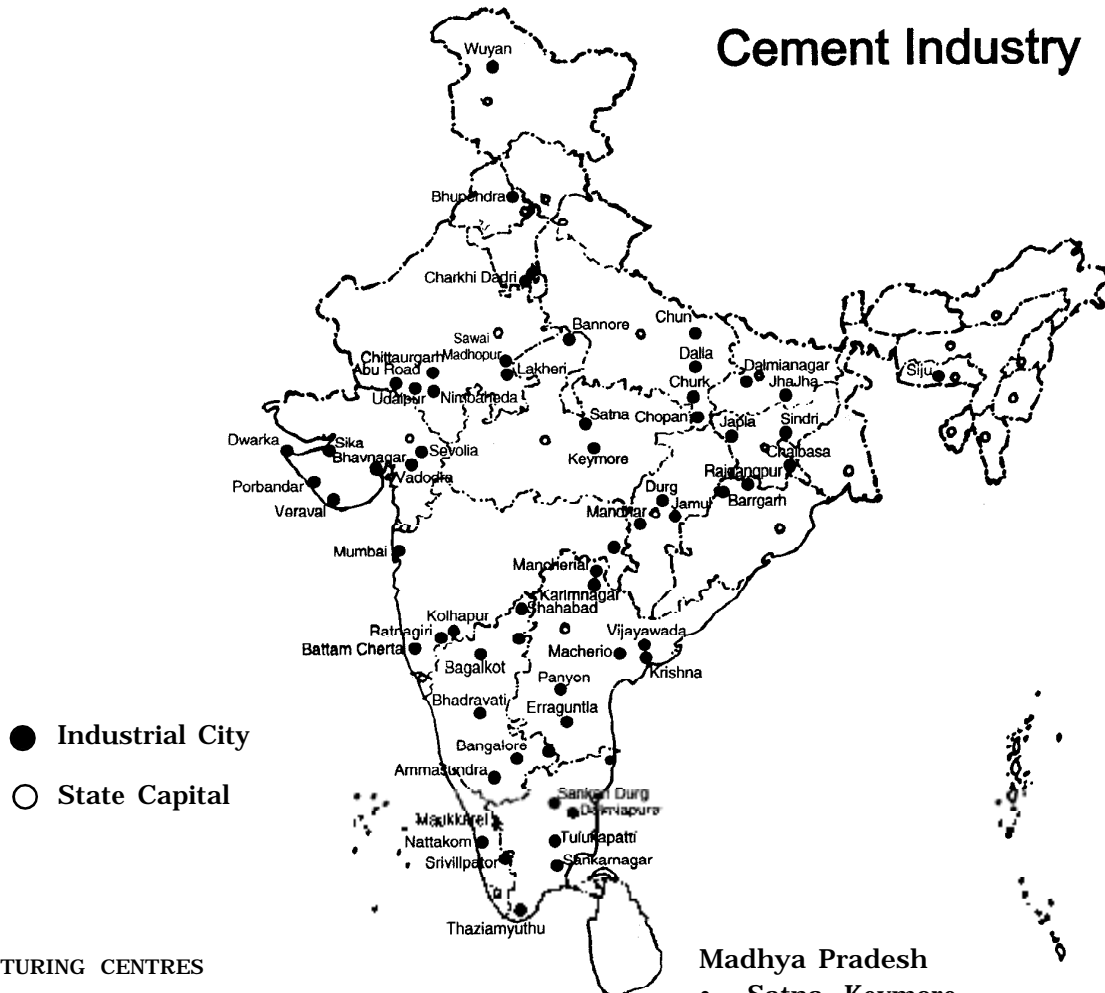
**Maharashtra**

- Taloja Copper Project

### CEMENT INDUSTRY

- They are mainly concentrated near limestone deposits.
- First cement factory was set up at Chennai.

## Cement Industry



● Industrial City

○ State Capital

### MANUFACTURING CENTRES

#### Jammu and Kashmir

- Wuyan and Srinagar.

#### Haryana

- Charkhi-Dadri (based on kanker or limestone nodules).

#### Rajasthan

- Sawai Madhopur, Lakheri, Chittorgarh, Udaipur and Bundi.

#### Gujarat

- Sevoli, Vadodara, Bhavnagar, Sika, Dwarka, Porbandar, Veraval.

#### Uttar Pradesh

- Chun, Dallah, Churk.

#### Bihar

- Dalmianagar, Japla.

#### Jharkhand

- Ranchi and Chaibasa.
- Sindri (use slag from fertilizer plant)

#### Madhya Pradesh

- Satna, Keymore.

#### Chhattisgarh

- Durg, Jamul.

#### Andhra Pradesh

- Karimnagar, Vijayawada, Krishna.

#### Tamil Nadu

- Sankaradurg, Dalmiapuram, Tulukapatti, Sankarnagar.

#### Kerala

- Kottayam, Maukarrel, Nattakom, Srivillipattor.

#### Karnataka

- Shahabad, Bagalkot, Bhadravati (use blast furnace slag), Ammaraundram.

#### Maharashtra

- Mumbai, Chandrapur, Kolhapur, Ratnagiri.

# IRON AND STEEL INDUSTRY

