

Jharkhand – Chaibasa in Sighbhum district and Palamau district.

Orissa (largest produces)-Sundargarh, Sambalpur, and Koraput districts

Madhya Pradesh – Chhindwara, Jhabua, Jabalpur, Balaghat,

Chhatisgarh – Bilaspur, Durg and Bastar district.

Gujarat – Bhavnagar and Vadodara district.

ASBESTOS:

Used for making fire proof cloth, rope, paper, paint, etc. and also asbestos cement products like sheets etc.

Distribution:

Rajasthan – Alwar, Ajmer, Pali, Udaipur and Dungarpur districts,

Andhra Pradesh – Cuddapah district.

Karnataka – Shimoga, Chickmagalur, Hassan, Mandya and Mysore districts.

GYPSUM:

Mainly used in making of ammonia sulphate fertilizer in cement industry and in making plaster of paris, etc.

Distribution:

Rajasthan – (largest producer of gypsum in India): Churu, Ganganagar, Bikaner, Jaisalmer, Nagaur and Pali districts produce 95 percent of the total gypsum of India.

Jammu and Kashmir – Baramula and Doda districts.

Tamil Nadu – Tiruchirapalli

DIAMON:

Distribution:

Madhya Pradesh – Panna

Andhra Pradesh – Anantpur, Kurnoot

Marnataka – Bellary.

ATOMIC MINERALS (URANIUM, THORIUM)

URANIUM:**Distribution:**

Bihar – Gaya

Jharkhand – Hazaribagh and Singhbhum.

Uttar Pradesh – Saharanpur

Rajasthan – Udaipur.

Kerala – Uranium from monazite sand of coastal regions.

THORIUM:**Distribution:**

Bihar, Tamil Nadu, Kerala and Rajasthan.

METALLIC MINERALS

(IRON, BUXITE, COPPER, LEAD/ZINC, MANGNESE, MAGNESIUM, GOLD.)

IRON:**Distribution:**

Jharkhand: Singhbhum (Noamundi, Sindurpur, Kiriburu)

Orissa – Mayurbhanj(Gurumahisani., Badampahar, Sulaiput), Keonjhar

Madhya Pradesh – Jabalpur, Balaghat

Chhatisgarh – Durg (Dalli Rajara), Bastar (Bailadila)

Andhra Pradesh – Guntur, Kurnool

Tamil Nadu – Salem, Tiruchirapalli

Maharashtra – Surajgarh, Lohra-Piplagaon Ratnagir.

Kerala – Kozhikode

BAUXITE:

Distribution:Jharkhand – Palamanu, Ranchi

Madhya Pradesh – Katni, Amarkantak, Maikata Range.

Chhattisgarh – Sarguja, Raigarh and Bilaspur.

Orissa – Kalahandi, Koraput

Tamil Nadu – Salem, Nilgiri, Coimbatore and Madurai.

Gujarat – Sabarkanha, Jamnagar, Surat.

Maharashtra – Kalaba, Ratnagiri, Kolhapur.

Karnataka – Belgaum.

COPPER

Distribution:

Jharkhand – Hazaribagh, Singhbhum.

Madhya Pradesh – Balaghat (Malanjhand belt)

Andhra Pradesh – Khammam, Guntur and Kurnool

Rajasthan – Jhunjhunu, Khetri, Alwar, Bhilenara and Udaipur.

Maharashtra – Chandrapur

Karnataka – Chitradurga, Hassan.

LEAD AND ZINC:

Distribution:

Sikkim, Meghalaya, Andhra Pradesh (Cuddapah)

Rajasthan- Zawar(Udaipur) Aguncha – Rampura (Bhilwara)

Gujarat _ Banaskantha, Panchmaha, Vadodra, Surat.

LIGNITE COAL:

Distribution:

Tamil Nadu – Neyveli

Jammua and Kashmir, Rajasthan (Palana in Bikaner dist.)

Gujarat (Umrasar)

TERTIARY COAL FIELD:

Distribution:

Assam – Makum (Sibsagar), Najtra, Janji

Meghalaya, Arunachal Pradesh(Namchik, Namphuk)

OIL FIELDS:

Distribution:

Assam – Digboi, Naharkatia, Moran, and Sibsagar.

Gujarat – Mehsana, Cholka, Kalol, Nawagam, Ankaleshwar and Kosamba

OFF SHORE OIL FIELDS

Distribution:

1. Mumbai High
2. Bassein
3. Ravva
4. Aliabet

OIL REFINERIES:

Distribution:

Assam – Digboi(IOC), Guwahati (IOC), Bongaigaon

Bihar – Barauni (IOC)

Uttar Pradesh – Mathura

Gujarat – Koyali, Jamnagar (largest oil refineries)

Maharashtra – Mumbai (BPCL)

Karnataka – Mangalore(MRPL)

Kerala – Kochi(CRI)

West Bengal – Haldia (IOC)

Andhra Pradesh – Vishakhapatnam (HPCL)

Tamil Nadu – Chennai (MRI)

IMPORTANT INDUSTRIES OF INDIA

COTTON TEXTILE INDUSTRY:

The oldest and the largest organized modern industry of India.

MANUFACTURING CENTRES:

Maharashtra (122mills)

- Mumbai (63 mills), largest centre,
- Other centre: Nagpur, Amaravati, Wardha, Jalgaon, Aurangabad, Pune, Satara, Scholapur, and Kolhapur.

Gujarat (118 mills)

- Ahmedabad (73 mills), Second largest centre after Mumbai
- Other centres: Porbandar, Rajkot, Vadodra, Surat.

Madhya Pradesh:

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

Tamil Nadu

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

West Bengal

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

Uttar Pradesh

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

Rajasthan

- Jaipur, Pali, Bhilwar, 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, Rajahmundry, East Godavari and Udayagiri.

JUTE TEXTILE INDUSTRY

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

MANUFACTURING CENTRES

West Bengal (56 mills)

- Kolkata (Calcutta)
- Other centres: Rishra, Serampore, Titagarh etc. mainly along the both banks of Hooghli river.

ANDHRA PRADESH

- Vishakapatna, Eluru, Guntur and Ongole.
- Other important states:

UTTAR PRADESH

- Kanpur, Gorakhpur and Shahjawan.

BIHAR

- Darbhanga, Samastipur, Purnea, Katihar and Gaya

CHHATTISGARH

- Raigarh

ORISSA

- Cuttack

WOOLLEN TEXTILE INDUSTRY

- One of the oldest textile Industries of India

MANUFACTURING CENTRES

PUNJAB (257 mills)

- Dhari (largest centre).
- **Other centres:** Amristsar, Ludhianan and Patiala

MAHARASHTRA (31 mills)

- Mumbai (industry based on imported wool)
- **Other centres:** Jalgaon, Ambernath.

UTTAR PRADESH

- Kanpur (Largest Woollen Textile centre in the state)
- **Other centres:** Modinagar, Allahabad, Varanai 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: Kokata.

SILK & SYNTHETIC FIBRE INDUSTRY

MANUFACTURING CENTRES

Karnataka: Bangalore, Kolar, and Mysore

West Bengal: Murshidabad, Bankura, 24 Parganas and Birbhum district

Jammu and Kashmir: Srinagar (big centre);

Other Centres: Baramula, Anantnag, Udhampur, Jammu

Other important states:

Bihar: Bhagalpur (famous for silk industry), Patna, Gaya.

Jharkhand: Palamu, 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.

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 fibre, fertilizer, 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 region.

Used to produce petroleum byproducts 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 enterprises. Chennai: Madras Petrochemical Ltd. Thane: National Organic Chemicals Ltd. Bongaigon: Second public sector enterprises.