

Major Industries in India

These notes are your ultimate revision weapon to revise Major Industries in India. We've distilled years of previous exam questions (PYQs) into one powerful, concise resource. Everything you need to know, nothing you don't.

- **PYQs, Decoded:** All key concepts from past exams, organized and simplified.
- **Revise in Record Time:** Short, precise, and designed for last-minute review.
- **Focus on What Matters:** Master high-probability topics and boost your confidence.

Indian Industries: A Comprehensive Overview

Iron and Steel Industry



Raw Materials & Inputs

- **Stainless Steel Production:**
 - The key alloying metal is **Chromium**.
 - Chromium is used along with **Nickel**.
- **Coking Coal:** India requires **import of coking coal**.
- **Iron Ore Sources:** The Rourkela Steel Plant sources iron ore from **Keonjhar** and **Mayurbhanj** in Odisha.

Location of Plants & Factors

- **Locational Shift:** New plants are planned on the **western coast** for easier **export of steel**.
- **Proximity to Raw Materials:**
 - **Jamshedpur (TISCO)** and **Bokaro** are located midway between coal fields and iron ore sources.
 - **Durgapur** is close to coal fields.

- **Bhadravati** and **Salem** are located far from major raw material areas.
- **Coal Supply: TISCO, Jamshedpur**, does not have a local coal supply.

Specific Steel Plants & Details

- **Tata Iron and Steel Company (TISCO):** Located in **Jamshedpur, Jharkhand**; not on a coalfield.
- **Bhilai Steel Plant:** Located in **Bhilai, Chhattisgarh**; set up with collaboration from **Russia (USSR)**.
- **Bokaro Steel Plant:** Located in **Jharkhand**; built with collaboration from **Russia (USSR)**.
- **Durgapur Steel Plant:** Located in **Durgapur, West Bengal**.
- **Rourkela Steel Plant:** Located in **Rourkela, Odisha**; was the **first integrated steel plant in the Public Sector** with **West German** collaboration.
- **Salem Steel Plant:** Located in **Tamil Nadu**; a premier producer of **stainless steel**.
- **Visakhapatnam Steel Plant (Vizag Steel):** A unit of **Rashtriya Ispat Nigam Ltd. (RINL)**.
- **Vishvesvaraya Iron and Steel Plant (VISL):** Located in **Bhadravati, Karnataka**.

Post-Independence Development

- Major steel plants established after independence: **Bhilai, Durgapur, and Rourkela**.

Economic Impact

- Among Tea, Jute, Iron & Steel, and Sugar, the **Iron and Steel** industry earns the maximum foreign exchange for India.

Aluminium Industry

Major Companies and Locations

- **BALCO (Bharat Aluminium Company):** Located in **Korba, Chhattisgarh**.
- **HINDALCO (Hindustan Aluminium Corporation):** Located in **Renukoot, Uttar Pradesh**.
- **NALCO (National Aluminium Company):** Headquarters in **Bhubaneswar, Odisha**; plant in **Angul, Odisha** (mines in Koraput).
- **Indian Aluminium Company:** Plant in **Hirakud, Odisha**.
- *Note: TELCO (Tata Motors) is not an aluminium manufacturer.*

Key Production Centres

- Korba (Chhattisgarh), Renukoot (Uttar Pradesh), Angul (Odisha), Alupuram (Kerala), Belgaum (Karnataka).

Cement Industry



- **Global Standing (2010):** India was the **second-largest** cement producer globally.
- **Major Producing State (2018-19):** **Rajasthan**.
- **Raw Materials:** Principal raw material is **Limestone**; **Gypsum** is a major constituent.
- **Industrial Locations:**
 - **Famous for Cement:** Dalmianagar (Bihar), Porbandar (Gujarat).
 - **Not Renowned for Cement:** Chunar (Uttar Pradesh).

Fertilizer Industry

- **Key Locations:**
 - First plant: **Sindri**.
 - Other plants: **Aonla (U.P.), Nangal, Panki (U.P.), Haldia (West Bengal)**.
 - Biggest in cooperative sector: **Phulpur (U.P.)**.

- *Correction: Sindri is known for fertilizers, not copper.*

Cotton Textile Industry

- **Major Centers:**
 - **Ahmedabad, Gujarat** is the largest centre, benefiting from its location in a cotton-growing region.
 - **Tamil Nadu** is a leading producer of mill-made cotton yarn, supported by **skilled labour**.
- **Historical Development:**
 - First cotton textile factory (1818): **Fort Gloster, near Kolkata, West Bengal**.
 - First cotton *mill*: **Calcutta (Kolkata)**.
- **Distribution Factor:** The industry is widespread because cotton **does not lose weight** during manufacturing, making transport feasible.

Other Key Industries & Centres

Heavy Industries & Engineering



- **Heavy Engineering:** Located in **Ranchi** (Heavy Engineering Corporation - HEC).
- **Machinery Instruments:** Located in **Pinjore**.
- **Locomotives:** **Chittaranjan** (locomotives); **Diesel Locomotive Works (DLW), Varanasi** (Diesel Engines, now also Electric).
- **Automobiles:** Major centre in **Gurgaon (Haryana)**; **Pithampur (Madhya Pradesh)**; **Maruti Udyog Limited**.
- **Shipbuilding:** **Vishakhapatnam (Andhra Pradesh)**; Garden Reach Ship Builders plant in **Ranchi**.
- **Public Sector Undertakings (PSUs):**
 - **Bharat Heavy Electricals Ltd. (BHEL)**
 - **Bharat Earth Movers Ltd. (BEML):** Headquarters in **Bangalore, Karnataka**.
 - **Steel Authority of India Ltd. (SAIL):** Headquarters in **New Delhi**; established in **1973**.

- **Instrumentation Limited:** Located in **Kota, Rajasthan**.
- **Bharat Electronics Ltd. (BEL):** Unit in **Noida**.

Petrochemicals & Chemicals

- **Largest Centre:** **Gujarat** (Jamnagar, Koyali).
- **Other Centres:** **Nagthane, Trombay, Haldia (West Bengal)**.
- **First Synthetic Rubber Plant:** **Panipat**.

Paper Industry

- **Newsprint:** **Neeranagar (Madhya Pradesh)**.
- **Other Centres:** **Brajrajnagar (Odisha), Ballarpur (Maharashtra)**.
- **State with most paper mills:** **Karnataka**.

Diverse Industries

- **Glass Industry:** **Chunar (Uttar Pradesh)** is renowned.
- **Rubber Industry:** Located in **Puducherry** and **Bangalore**.
- **Pesticide Industry:** **Bhopal (Madhya Pradesh)**.
- **Sugar Industry:** More developed in **South India** due to higher yield and juice content; **Silvassa** has a sugar industry.
- **Diamond & Jewellery:** **Diamond Park** zones promote manufacturing and export.
- **Granite Polishing (JSMD):** **Tupudana, Ranchi**.
- **Hosiery:** **Ludhiana (Punjab)**.
- **Leather:** State Leather Development Corp. in **Kanpur**.
- **Jute:** Centres in **Kankinara** and **Bhatpara**.
- **Textiles/Handicrafts:**
 - **Sarees:** **Chanderi (MP), Kancheepuram (TN), Banarasi (GI Tagged)**.
 - **Carpets:** **Bhadohi (UP)**.
 - **Silk:** **Channapatna (Karnataka), Mysore (Karnataka)**.
 - **Madhya Pradesh Handicrafts:** **Zari Batua (Ujjain), Bhairavgarh Prints (Dhar), Bagh Handicrafts (Bhopal), Chanderi Sarees (Ashok Nagar)**.

- **Rajasthan Handicrafts:** Masuria Sarees (Kota), Namda (Jodhpur), Marble Carving (Tonk).
- **Miscellaneous:**
 - Paper Board: ITC unit in **Bhadrachalam**.
 - Bio-diesel Plant: **Kakinada**.
 - Polyfibre Industry: **Barabanki**.
 - Explosives Industry: **Modinagar**.

Mineral Resources & Exploration

Key Minerals of Rajasthan

- Primary producer of: **Lead and Zinc ores, Wollastonite, Selenite.**
- Also has **Copper ores.**

Mineral Exploration Agencies & HQs

- **Oil and Natural Gas Commission (ONGC):** New Delhi
- **Mineral Exploration Corporation Ltd. (MECL):** Nagpur
- **National Mineral Development Corporation (NMDC):** Hyderabad
- **National Aluminium Company (NALCO):** Bhubaneswar
- **Uranium Corporation of India (UCIL):** Operates the **Narwapahar Mine.**
- **Dredging Corporation of India:** Visakhapatnam.

Mining Centres

- **Aluminium:** J.K. Nagar.
- **Copper:** Malanjkhand, Tundoo.
- **Zinc:** Zawar.
- **Iron Ore:** **Rajasthan** has iron ore mines.
- **Gold:** **Andhra Pradesh** and **Jharkhand** have gold mines.

Mining Regulations

- **State Governments** have the power to auction non-coal mines.

Industrial Regions

- **Madurai-Coimbatore-Bangaluru Region:** Includes **Sivakasi**.
- **Kolkata-Hooghly Region:** Includes **Titagarh**.
- **Chhota Nagpur Region:** A major region, but **Sivakasi is not located here**.

Infrastructure & Other Facts

- **Transport:** **Skybus Metro Rail** test run in **Margao, Goa**.
- **Defence:** **Indian Air Force Academy** in **Dundigal**.
- **Oil Pipeline:** A cross-border pipeline (2019) connects **Motihari (India)** and **Amlekhganj (Nepal)**.

Prominent Personalities & Leadership

Business Leaders & Associations

- B.V. Rao: Poultry Farming
- C.K. Prahlad: Management Science
- John Kurien: Fisheries Economy
- Kiran Karnik: Information Technology
- V.R.S. Natrajan: Bharat Earth Movers Ltd. (BEML)
- A.K. Puri: Bharat Heavy Electricals Ltd. (BHEL)
- V. Thulasidas: Air India
- Jagdish Khattar: Maruti Udyog Limited
- C.P. Jain: NTPC
- S. Ramadorai: TCS (Tata Consultancy Services)
- Sunil Arora: Indian Airlines
- Vivek Paul: Wipro Technologies

Distinguished Women Leaders & Organizations

- Amrita Patel: National Dairy Development Board
- Anu Aga: Thermax Limited
- Mallika Srinivasan: Tractors and Farm Equipment Limited
- Priya Paul: Park Hotels

Corrections & Clarifications (Incorrectly Matched Facts)

- **BALCO** is not in Raipur; it is in **Korba, Chhattisgarh**.
- **HINDALCO** is in Renukoot, not Pipari.
- **Indian Telephone Industries (ITI)** is not in Raebareli.
- **Badla (Water-bottle)** is not a handicraft of Jaipur.
- **Sindri** is famous for fertilizer, not copper.
- **Pipri** is not correctly matched with pesticides.
- **Amlai** is in **Madhya Pradesh**, not Chhattisgarh.
- **Nagapattinam** is in **Tamil Nadu**, not Andhra Pradesh.
- **Dharmapuri** is in **Tamil Nadu**, not Odisha.
- **Caustic soda** is not a raw material for fertilisers.
- **Rajasthani Daal-Bati-Churma** has not been accorded a Geographical Indication (GI) status. (Banarasi Zari and Sarees and Tirupathi Laddu have).
- **Thermal Power** is the maximum consumer of water in India.

Know More About Major Industries in India:



- [Major Industries in India – Old Year Questions](#)
- [Major Industries in India One Liner Questions & Answers](#)