

TISSNET 2023

Chapter 9

Important Geographical facts about India

- India covers **2.4%** of the Earth's surface. Total land area of India is 32,87,263 sq.km.
- **Kanchenjunga** is the highest mountain peak of India.
- **Deccan Plateau** is the largest plateau of India and the **Ladakh plateau** is the highest plateau of India.
- **Andaman** is the largest island of India and **Majuli** is the largest river island of world located in Assam, India.
- India has only one dessert which is the **Thar dessert**. It is located in the state Rajasthan.
- The longest Indian River is **Ganga**; its length is 2,640 km.
- The world's largest delta, (in West Bengal) **Sundarbans**, is made by Brahmaputra and Ganga.
- **Aravalli's** is the oldest mountain ranges of the India.
- **Agriculture**
Agriculture in India: More than 50 percent of the area of the country is under the cultivation and about 64% of the Indian population is engaged in agriculture.
- There are two major crop seasons in India, viz.:
 - (i) Rabi
 - (ii) Kharif
- **Rabi**: It is sown in October or December and harvested in April or May. Major crops are: barely, wheat, peas, gram and mustard.
Kharif: It is sown in June or July and harvested in September or October. Major crops are: bajra, cotton, jowar, rice and jute.
- **Forests**: India is covered about *24.1%* by forest area (as per Forest Survey Report 2015). Madhya Pradesh has the largest Forest cover in India among all other states.
- **Gujarat** has the longest coastline among all the states in India.
- **Bangladesh** shares maximum boundary with India.
- India is divided into 29 states, 6 union territories, 1 national capital territory.

- **Rajasthan** is the largest state of India followed by Madhya Pradesh, Maharashtra, UP.
- **UP** is the most populous state of India followed by Maharashtra, Bihar, and West Bengal.

Important dams and their locations

In 1947, hydropower capacity in India was about 37 percent of the total power generating capacity and over 53 percent of power generation. In the late 1960s, growth in coal-based power generation initiated the decline in hydropower's share in both capacity and generation. In 2022, hydropower capacity of 46,512 MW (megawatts) accounted for roughly 11.7 percent of total capacity. Roughly 12 percent of power generation in 2020-21 was from hydropower.

India is 5th globally for installed hydroelectric power capacity.

- **Indira Sagar Dam:** Narmada River, Madhya Pradesh
- **Mettur Dam:** Cauvery River, Tamil Nadu.
- **Koyna Dam:** Koyna River, Maharashtra.
- **Maithon Dam:** Barakar River, Jharkhand.
- **Rihand Dam:** Rihand River, Uttar Pradesh.
- **Tungabhadra Dam:** Tungabhadra River, Karnataka.
- **Krishna Raja Sagar dam:** Cauvery River, Karnataka
- **Hirakund Dam:** Mahanadi River, Odisha

World Geography Points

Boundary lines

- Durand line: Pakistan and Afghanistan
- Radcliffe line: India and Pakistan
- McMahon line: china and India
- 38th parallel: North and South Korea
- 49th parallel: USA and Canada
- Hindenburg Line: Germany and Poland
- Maginot line: France and Germany

- **Atmosphere layers in that order from earth**
 - a. Troposphere
 - b. Stratosphere: ozone layer in it!!
 - c. Mesosphere or thermosphere
 - d. Ionosphere

Mountains-Locations

- Andes: South America
- Rockies: North America
- Alps: Europe
- Alaska: USA
- Himalaya: Asia

Water resources in Oceans:

Pacific> Atlantic>Indian>arctic

Top 5 minerals in earth's crust

Oxygen>Silicon> Aluminium>Iron>Calcium

Top 4 gases in atmosphere

Nitrogen> Oxygen>Argon> CO2

Solar system

- Brightest star after sun: Sirius
- Planet with maximum satellites: Jupiter
- Red planet: Mars
- Blue planet: Earth
- Brightest planet: Venus
- Biggest planet: Jupiter

List of important regulators in India

- Money market: **RBI**
- Foreign exchange: **RBI**
- Capital market: **SEBI**
- Insurance companies: **IRDAI**

- Chit funds: **respective state governments**
- Cooperative banks and regional rural banks: **NABARD**
- Pension fund: **PFRDA (Pension fund regulatory and development authority)**
- Telecommunications: **TRAI [Telecom regulatory authority of India]**

List of Important Countries Capital and Currency

Countries	Capital	Currency
Austria	Vienna	Euro
Argentina	Buenos Aires	Peso
Azerbaijan	Baku	Manat
Bangladesh	Dhaka	Taka
Belarus	Minsk	Ruble
Belgium	Brussels	Euro
Bhutan	Thimphu	Ngultrum
Brazil	Barsilia	Real
China	Beijing	Yuan
Colombia	Bogota	Peso
Croatia	Zagreb	Kuna
Cuba	Havana	Peso
Denmark	Copenhagen	Krone
Egypt	Cairo	Pound
Finland	Helsinki	Euro
Hungary	Budapest	Forint
Indonesia	Jakarta	Rupiah
Iran	Tehran	Rial
Iraq	Baghdad	Dinar
Israel	Jerusalem	Shekel
Italy	Rome	Euro
Japan	Tokyo	Yen
Jordon	Amman	Dinar
Jamaica	Kingston	Dollar
Kazakhstan	Astana	Tenge
Kenya	Nairobi	Shilling
Korea North	Pyongyang	Won
Korea South	Seoul	Won
Malaysia	Kuala Lumpur	Ringgit
Maldives	Male	Rufiyaa
Mauritius	Port Louis	Rupee
Mexico	Mexico City	Peso
Myanmar (Burma)	Nay Pyi Taw (Rangoon)	Kyat
Nigeria	Abuja	Naira

Norway	Oslo	Krone
Portugal	Lisbon	Euro
Qatar	Doha	Riyal
Russia	Moscow	Ruble
Saudi Arabia	Riyadh	Riyal
Singapore	Singapore	Dollar
South Africa	Cape Town	Rand
South Sudan	Juba	Pound
Spain	Madrid	Euro
Sri Lanka	Colombo	Rupee
Sweden	Stockholm	Krona
Switzerland	Bern	France
Syria	Damascus	Pound
Thailand	Bangkok	Baht
Turkey	Ankara	Lira
Uganda	Kampala	Shilling
Ukraine	Kyiv	Hryvnia
United Arab Emirates (UAE)	Abu Dhabi	Dirham
Vietnam	Hanoi	Dong

List of all Famous Inventions and their Inventors

Invention	Inventor
Aeroplane	Wright brothers
Balloon	Jacques and Joseph Montgolfier
Ball –Point pen	C. Biro
Bicycle	K. Macmillan
Cinematograph	Thomas Alva Edison
Computer	Charles Babbage
Diesel engine	Rudolf diesel
Dynamite	Alfred Nobel
Dynamo	Michael Faraday
Electric Iron	H.W. Seeley
Fountain Pen	LE. Waterman
Jet Engine	Sir Frank whittle
Lift	E.G. Otis
Microphone	David Hughes
Microscope	Z. Jansen
Photography (Paper)	W.H. Fox Talbot
Printing Press	J. Gutenberg
Radium	Marie and Pierre Curie
Radio	G. Marconi
Safety Lamp	Sir Humphrey
Safety pin	William Hurst
Steam engine (Piston)	Thomas Newcome
Steam engine (Condenser)	James Watt
Telephone	Alexander Graham Bell
Television	John logie baird

Watch	A.L. Breguet
X-ray	Wilhelm Roentgen

Abbreviations

Abbreviations	Expansions
NITI	National Institution for Transforming India
PRAGATI	Pro-Active Governance and Timely Implementation
HRIDAY	Heritage Development and Augmentation Yojana
AMRUT	Atal Mission for Rejuvenation and Urban Transformation
UPI	Unified Payment Interface
JAM	Jan Dhan, Aadhar and Mobile
IRNSS	Indian Regional Navigation Satellite System
DAY	Deen Dayal Upadhyay Antyodaya Yojana
MUDRA	MUDRA Bank Yojana
DDUGJY	Deen Dayal Upadhyay Gram Jyoti Yojana
PMKSY	Pradhan Mantri Krishi Sinchai Yojana
SHC	Soil Health Card Scheme
PMSBY	Pradhan Mantri Suraksha Bima Yojana
PMJJBY	Pradhan Mantri Jeevan Jyoti Bima Yojana
APY	Atal Pension Yojana
SCM	Smart Cities Mission
NMCG	National Mission for Clean Ganga
PMFBY	Pradhan Mantri Fasal Bima Yojana
SPMRM	Shyama Prasad Mukherji Rurban Mission
PMUY	Pradhan Mantri Ujjwala Yojana
IDBI	Industrial Development Bank of India
IRBI	Industrial Reconstruction Bank of India
EXIM Bank	Export – Import Bank of India
SIDBI	Small Industries Development Bank of India
NABARD	National Bank for Agriculture and Rural Development
APEC	Asian Pacific Economic Cooperation
ARCIL	Asset Reconstruction Company of India Ltd
ATM	Automated Teller Machine
ASHA	Accredited Social Health Activist
BIFR	Board for Industrial And Financial Reconstruction
CDMA	Code Division Multiple Access
CRR	Cash Reserve Ratio
DTAA	Double Taxation Avoidance Agreement
ECB	External Commercial Borrowings
ELSS	Equity Linked Saving Scheme
FEMA	Foreign Exchange Management Act
FERA	Foreign Exchange Regulation Act
FII	Foreign Institutional Investors
FRBM	Fiscal Responsibility and Management Act
FCCB	Foreign Currency Convertible Bonds
FIPB	Foreign Investment Promotion Board

FSDC	Financial Stability Development Council
IBRD	International Bank for Reconstruction and Development (World Bank)
ICICI	Industrial Credit Investment Corporation of India
IDBI	Industrial Development Bank of India
IIP	Index of Industrial Production
KYC	Know Your Customer
LIBOR	London Inter Bank Offered Rate
NFC	Non-Banking Finance Companies
NEFT	Net Electronic Fund Transfer
NPA	Non-Performing Asset
OPEC	Organization for Petroleum Exporting Countries
PIN	Personal Identification Number
POS	Point of Sale
PPP	Public Private Partnership
RTGS	Real Time Gross Settlement
SAARC	South Asian Association Regional Cooperation
SLR	Statutory Liquidity Ratio
SARFAESI	Securitization and Reconstruction Of Financial Assets And Enforcement Of Security Interest
SWOT	Strength Weakness Opportunities Threats
SWIFT	Society for World Wide Inter Bank Financial Telecommunication
SDR	Special Drawing Rights

Trusted for Success National Parks of India

National Parks in Karnataka

- Kudremukh National Park
- Bandipur National Park

National Parks in Uttarakhand

- Corbett National Park
- Nanda Devi National Park

National Parks in Tamil Nadu

- Mukurthi National Park
- Mudumalai National Park

National Parks in West Bengal

- Sundarbans National Park
- Neora Valley National Park

National Parks in Rajasthan

- Ranthambhore National Park

- Keoladeo National Park
- Mount Abu Wildlife Sanctuary

National Parks in Maharashtra

- Chandoli National Park

National Parks in Assam

- Kaziranga National Park
- Manas National Park

Names of National Parks in Gujarat

- Gir National Park
- Gulf of Kutch Marine National Park

National Parks in Madhya Pradesh

- Bandhavgarh National Park
- Satpura National Park
- Pench National Park
- Panna National Park
- Kanha National Park
- Kuno National Park

National Parks in Manipur

- Keibul Lamjao National Park

