



**KAMARAJ IAS ACADEMY**  
Only IAS Academy by Grandson of "Per.uthalaivar Kamarajar"

# MAP OF THE DAY 13-03-26

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**Kamaraj IAS Academy**

Plot A P.127, AF block, 6 th street, 11th Main Rd, Shanthi Colony, Anna Nagar, Chennai, Tamil Nadu 600040

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## MAP OF THE DAY BHARAT

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### Friday, 13 March 2026



## Penna River – 1

- **Penna River**, also known as **Penneru, Pinakini, Pennar**, originates from **Nandi Hills** in Chikkaballapur, Karnataka.
  - The river flows as **two streams**, one northwards and one southwards, emptying into the **Bay of Bengal**.
  - **Length of Penna** is **597 km**, with a drainage basin of **55,213 km<sup>2</sup>**; **6,937 km<sup>2</sup>** in Karnataka and **48,276 km<sup>2</sup>** in Andhra Pradesh.
  - The southern stream is called **Then Pennai** or **South Pennar**, flowing through **Tamil Nadu** to the **Bay of Bengal**.
  - **Penna basin** lies in the **rain shadow** of the Eastern Ghats, receiving average annual rainfall of **500–900 mm**.
  - The river forms a **bow shape**, earning the name **Pinakini**, after **Pinaka**, the bow of Nandhiswara deity.
  - The name **Penneru** derives from **Telugu words “penu” (grand) and “yeru” (river/stream) or neeru (water)**.
  - In Karnataka, the river is known as **Uttara Pinakini**.
- Geography and Course:**
- **Penna River** has multiple **sources and mouths** and is seasonal, with primary water from **rainfall**.
  - Major **tributaries** include **Jayamangali, Kunderu, Sagileru** (north) and **Chitravathi, Papagni, Cheyyeru** (south).
  - **Confluence with Kumudavati** occurs at **69 km**, and
- **Hindupur, Sri Sathya Sai district**.
  - The Penna flows **146 km northwards** from Jayamangali confluence before entering **Anantapur district, Andhra Pradesh**.
  - **Chitravati River** joins at **Gandalur**, traversing **218 km** from **Chikkaballapur, Karnataka**, through **Kolar, Anantapur, Cuddapah districts**.
  - Penna cuts across **Nallamala Hills**, meets **Sagileru**, and turns east; **Cheyyeru river** joins at **Boyanapalli and Gundlamada**.
  - Penna flows through **Gandikota gorge**, then enters **coastal plains of Andhra Pradesh**, meeting minor tributaries **Boggeru** and

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# KAMARAJ IAS ACADEMY

## MAP OF THE DAY WORLD

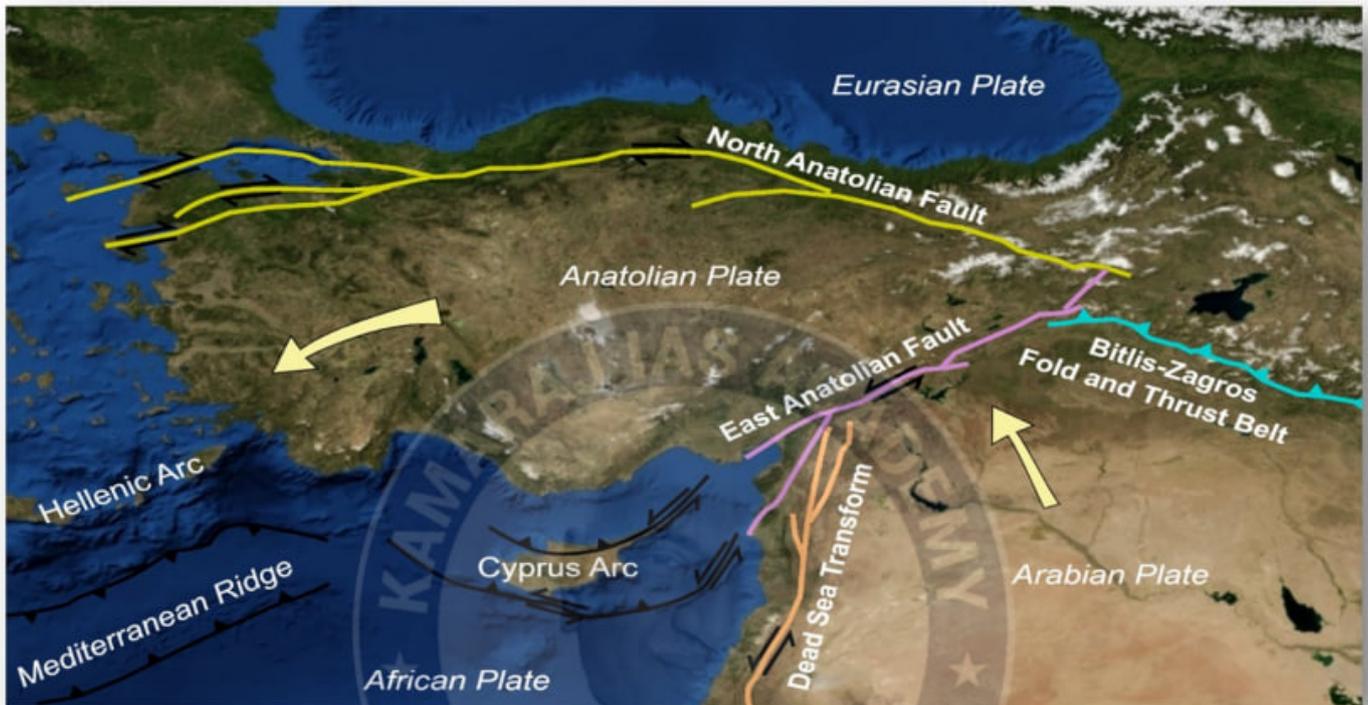
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## Anatolian plate

- **Anatolian plate** is a **continental tectonic plate** located under the Asiatic part of Turkey, also known as Anatolia.
- **Most of Turkey** lies on the **Anatolian plate**.
- The plate is separated from the **Eurasian plate** by the **North Anatolian Fault** and from the **Arabian plate** by the **East Anatolian Fault**.
- The **Anatolian transform fault system** is considered "probably the most active in the world" according to the **American Museum of Natural History**.
- Historically, major earthquakes occurred along the **North Anatolian Fault**, including the **1939 Erzincan earthquake**.
- The **northern edge** forms a **transform boundary** with the Eurasian plate, creating the **North Anatolian Fault Zone (NAFZ)**.
- The **East Anatolian Fault** is a **left-lateral transform fault**, forming a boundary with the **Arabian plate**.
- **Southern and southwestern boundaries** of the Anatolian plate is **convergent with the African plate**, creating compressive features in the **Mediterranean oceanic crust** and **continental crust of Anatolia**.
- The **Hellenic and Cyprus arcs** are considered **subduction zones** along the southern convergent boundary.
- The **North Anatolian Fault** is responsible for **major seismic hazards** in Turkey and is monitored globally.

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