

## Leptobrachium Aryatium

**Prelims (GS I)** - Current events of national and international importance| General issues on Environmental ecology, Bio-diversity and Climate Change.

**Mains (GS III)** - Conservation.

### Why in News?

*Leptobrachium aryatium*, a new-to-science frog recorded from Garbhanga Reserve Forest on the southwestern part of Guwahati bordering Meghalaya.

- **Genus** - Leptobrachium.
  - It comprising a group of stocky frogs with broad heads, relatively short hind limbs, and distinctively coloured eyes, currently consists of 38 species.
  - It is widely distributed across Southern China and India to islands of the Sunda Shelf and the Philippines.
- **Nomenclature** -Named to honour Arya Vidyapeeth College's enduring contribution to education and science.
- **Appearance** - It has fiery orange-and-black eyes, a unique reticulated throat pattern, and a smooth, rhythmic call at dusk.
- **Distinction** - Scientific analysis of its appearance, DNA, and call patterns confirmed that this was a previously unknown species.

### Lethal dose

- It causes paralysis, breathing difficulties and death.
- The toxin is not found naturally in Russia. It is found in **Ecuadoran dart frogs** in South America. Indigenous tribes use the toxin in blow darts or blowguns when they hunt.
- Poison dart frogs are native to tropical Central and South America. The frogs are brightly coloured as a warning signal to predators that they contain powerful toxins in their skin.

**EPIBATIDINE**  
one of earth's deadliest poisons and 200 times stronger than morphine — found in Navalny's biological samples.



It is not clear how the toxin was administered to Navalny.

### Garbhanga Reserve Forest

- It is located ***southwest of Guwahati***, near the Assam-Meghalaya border.
- The forest is dominated by evergreen and deciduous trees, bamboo groves, and medicinal plants.
- **Notable species** - Hoolock Gibbon, Leopards, Elephants, Deer species (barking deer and sambar deer), Various reptiles and amphibians (Rare frogs, snakes, and monitor lizards).

- **Threats** - Poaching, Timber smuggling, and illegal mining.

## Reference

[The Hindu | Leptobranchium aryatium](#)

