



DATE: 31 MAY 2026

1 Criteria for Declaring a Community as a Scheduled Tribe (Source: The Indian Express)

The primary administrative guidelines used by the Government of India to assess whether a community qualifies for ST status were **established by the Lokur Committee in 1965.**

Five Criteria for Declaring

- **Indications of Primitive Traits:** Evidence of an ancient, pre-agrarian, or traditional lifestyle and technology.
- **Distinctive Culture:** Unique linguistic traits, customs, social structures, religious beliefs, and artistic traditions that distinguish them from surrounding populations.
- **Geographical Isolation:** Habitation in well-defined, remote, or inaccessible terrains such as deep forests, hills, or undulating plateaus.
- **Shyness of Contact:** A historical tendency toward self-isolation or hesitation to interact with the larger, mainstream community.
- **Backwardness:** Pervasive educational, infrastructural, and socioeconomic marginalization relative to the regional or national average.





DATE: 31 MAY 2026

2 5G Network Slicing (Source: The Indian Express)

5G Network Slicing is a network architecture that allows mobile operators to create multiple virtual networks called "slices," each optimized for specific performance requirements like bandwidth, latency, and reliability.

Types

- **eMBB (enhanced Mobile Broadband)** – High-speed data for streaming, VR/AR, entertainment
- **URLLC (Ultra-Reliable Low-Latency Communications)** – Critical applications like remote surgery, autonomous vehicles, industrial automation
- **mMTC (massive Machine Type Communications)** – Massive IoT connectivity for smart cities, sensors, smart metering

Benefits

- **Efficiency:** Operators don't need to build separate physical networks for different industries, drastically reducing capital expenditure (CAPEX).
- **Guaranteed Service Level Agreements (SLAs):** Telecoms can sell dedicated slices to enterprises (such as hospitals or logistics companies) with guaranteed speeds, security protocols, and latency thresholds.
- **Rapid Deployment:** Because slices are software-defined, operators can spin up a temporary network slice for a specific event (such as a music festival or political convention) and tear it down within minutes afterward.
- **Enhanced Security:** If one slice is cyberattacked or breached, the strict logical isolation prevents the threat from spreading to other slices.




Charalana Margga

ENLITE IAS
ENLIGHTENING MINDS, LIGHTENING JOURNEYS

DATE: 31 MAY 2026

FROM 1G to 5G THE EVOLUTION



1G **FIRST GENERATION**
YEAR : 1997
BASIC VOICE SERVICE ONLY
ANALOG-BASED
50KPBS

2G **SECOND GENERATION**
YEAR : 1998
IMPROVED COVERAGE & CAPACITY
TEXT AVAILABLE (SMS/MMS)
DIGITAL (GSM, CDMA)
250 KBPS

3G **THIRD GENERATION**
YEAR : 2001
VOICE WITH DATA (INTERNET,
VIDEO CALLS, MOBILE TV)
DIGITAL (UMTS, HSPA)
SPEED : 384 KBPS

4G **FOURTH GENERATION**
YEAR : 2010
DESIGNED FOR DATA
(INTERNET, IM, VIDEO CALLS,
MOBILE TV HD/3D, CLOUD
COMPUTING, GAMING)
DIGITAL (LTE, LTE ADVANCED)
SPEED : 50 MBPS

5G **FIFTH GENERATION**
YEAR : 2020+
DESIGNED FOR CONNECTIVITY
(INTERNET, IM, VIDEO CALLS,
MOBILE TV HD/3D, CLOUD
COMPUTING, GAMING, IOT,
INFINITE DATA BROADCAST)
DIGITAL (UBIQUITOUS
CONNECTIVITY)
SPEED : 6,400 MBPS (1,000,000
KBPS)



DATE: 31 MAY 2026

3 Resources in Congo Basin (Source: The Hindu)

Spanning over six Central African countries—principally the Democratic Republic of Congo (DRC), Republic of Congo, Gabon, Cameroon, Central African Republic, and Equatorial Guinea.

Major Resources in the Region

- **Central African Copperbelt**

- **Cobalt:** The DRC holds more than 60% of the world's known cobalt reserves and regularly supplies over 70% of global annual production, making it indispensable for lithium-ion battery manufacturing.
- **Copper:** The region contains massive, high-grade deposits of copper, vital for global electrical grids, electric vehicles (EVs), and green infrastructure.

- **Three Ts in the Region**

- **Tantalum:** Vital for capacitors in smartphones and aerospace electronics.
- **Tin:** Used as primary solder in electronic circuit boards.
- **Tungsten:** Prize-worthy for industrial-grade, high-density machinery.

- **High-Value Commodities**

- **Diamonds & Gold:** Alluvial diamond fields populate northern DRC and the Central African Republic, alongside deep-vein gold deposits along the Albertine Rift.
- **Iron Ore:** Gabon and Cameroon contain vast, largely untapped high-grade iron ore reserves (such as the Belinga deposit in Gabon), drawing heavy infrastructure investments for steel production.
- **Manganese:** Gabon is one of the world's top three producers of high-grade manganese, essential for global steel alloys.
- **Crude Oil:** Deposited heavily along coastal maritime zones (Gabon, Republic of Congo) and within the interior Albertine Graben rift system.

