

SANSKRITI IAS DAILY CURRENT AFFAIRS

09-08-2026

Mount Bromo

 The Japan Times

Indonesia closes national park as wildfire spreads

The blaze has razed 176 hectares since it broke out last Monday near the popular East Java tourist destination of Mount Bromo.



Why in News

- Indonesia recently deployed aircraft and hundreds of firefighters to control a major wildfire in **Mount Bromo National Park**.

Geographical and Geological Setting

- Mount Bromo** is an active volcanic **cinder cone** located on Indonesia's island of **Java**.
- It lies at the centre of the **Sandsea Caldera**, which forms part of the larger **Tengger Caldera**.
- The **Sandsea Caldera** formed around **8,000 years ago** following a massive eruption.



Volcanic Activity

- Subsequent volcanic activity created a cluster of **cinder cones**, including Bromo, within the caldera.
- Historical records indicate eruptions occurring every few years since **1804**.
- The most recent eruption mentioned in the source occurred in **2004**, killing two tourists.

Biodiversity Profile

- The region has **1,025 reported flora species**, including **226 orchid species**.
- Around **260 species** are reported as medicinal and ornamental plants.

Qadr-F Missile

 The Times of India

Iran's Qadr-F Missile Unleashed: The 2,000-Km Weapon That Could Strike Deep Into Israel

Iran's Qadr-F ballistic missile is one of the longest-range missiles in Iran's arsenal, with an estimated range of nearly 2000 kilometers.



Why in News

- The **Qadr-F ballistic missile** has reportedly been used by Iran in conflicts with Israel, highlighting Iran's long-range missile capability.

Development and Origin

- The **Qadr-F** is an Iranian **ballistic missile** developed under Iran's national missile programme.
- It is based on the **Shahab-3 missile**.
- Its existence was publicly disclosed during an **Iranian Armed Forces parade in September 2007**.

Strategic Capabilities

- The missile reportedly incorporates a **radar-evading warhead** intended to penetrate missile-defence systems.
- Depending on the target profile, it can carry a **single blast-fragmentation warhead or multiple re-entry vehicles**.

Technical Characteristics

- The missile is approximately **17 metres long** and weighs **15–17.5 tonnes**.
- It uses a **dual-stage propulsion system** involving liquid and solid fuel.
- It follows a **ballistic flight path** and has a reported range of **2,000–2,500 km**.

Centralised Public Grievance Redress and Monitoring System (CPGRAMS)

PIB

PIB Backgrounder

The Centralised Public Grievance Redress and Monitoring System (CPGRAMS) has transformed public grievance redressal in India through digital...



Why in News

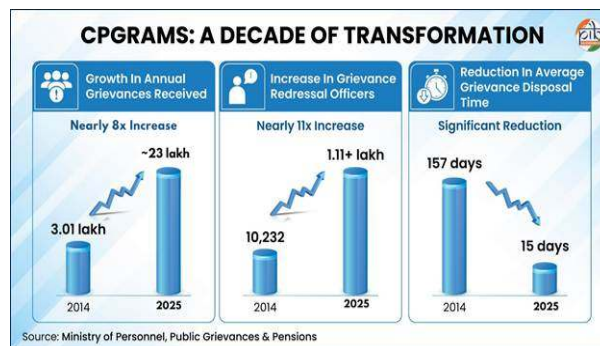
- **CPGRAMS** has emerged as one of the world's major digital public-grievance redressal platforms over the past decade.

Institutional Framework

- **CPGRAMS** is the Government's flagship digital platform for **public grievance redressal**.
- It is developed and monitored by the **Department of Administrative Reforms and Public Grievances (DARPG)** under the **Ministry of Personnel, Public Grievances and Pensions**.
- It integrates technology, accountability and citizen participation into grievance management.

Key Features

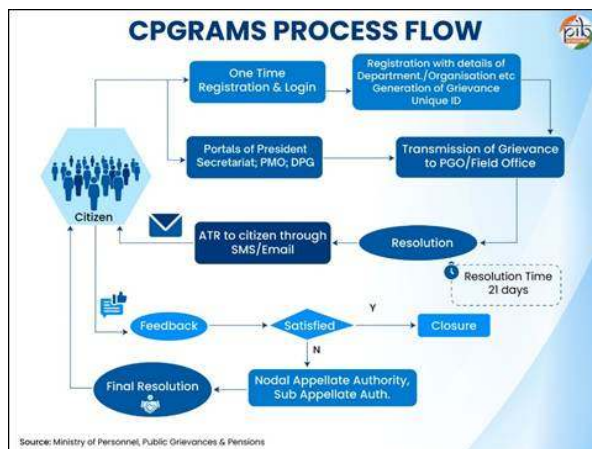
- The platform operates **24x7** and connects **Central Ministries, Departments, State Governments and Union Territories** through a unified portal.



- Citizens can submit grievances in **22 Scheduled Languages in addition to English**.
- A **unique registration ID** enables citizens to track grievance status.

Redressal and Accountability

- Grievances are intended to be resolved promptly and within a maximum period of **21 days**.
- Citizens can provide feedback after closure of a grievance.
- An **appeal facility** is available when the complainant is dissatisfied with the resolution, particularly when the feedback rating is **'Poor'**.



Nyishi Tribe

TOI The Times of India

Arunachal begonia discovery honours Nyishi tribe's Neelam clan

New Begonia species, *Begonia neelamorum*, discovered in Arunachal's Keyi River forests; named after Nyishi Neelam clan; study published in...

Why in News

- A newly identified plant, ***Begonia neelamorum***, was named after the **Neelam clan of the Nyishi tribe**, whose members assisted researchers during their expedition.

Distribution and Identity

- The **Nyishi** are the largest ethnic group of **Arunachal Pradesh**.
- They are concentrated across **eight districts**, including East Kameng, Pakke-Kessang, Papum Pare, Lower Subansiri, Kamle, Kra Daadi, Kurung Kumey and Upper Subansiri.
- Their traditional language is **Nishi**, with *Nyi* referring to man and *shi* to being.

Livelihood and Cultural Practices

- Traditional livelihoods include **slash-and-burn agriculture, hunting and fishing**.
- The community has expertise in **weaving, cane and bamboo work, pottery, blacksmithing, wood carving and carpentry**.
- Major festivals include **Boori-Boot, Nyokum and Longte**.



Social Organisation

- **Polygyny** is prevalent among the Nyishi, according to the source.
- Nyishi society follows **patrilineal descent** and is organised into several clans.
- The society is not based on a conventional **caste or class system**, while women are traditionally associated with peace, progress and prosperity.

Roselle Crop

Down To Earth

Roselle: The indigenous crop helping Odisha's tribal communities adapt to climate change

In Odisha's Malkangiri district, the indigenous crop Roselle is helping tribal communities adapt to climate change.



Why in News

- The indigenous **Roselle crop** is helping tribal communities in **Malkangiri district of Odisha** adapt to climate variability.

Botanical Profile

- Roselle is scientifically known as **Hibiscus sabdariffa** and belongs to the **Malvaceae family**.
- It is locally known as **Bhenda Dal** and has long been cultivated by tribal communities in Malkangiri.
- It is widely cultivated in warm regions including **India, Indonesia, Malaysia, the Philippines, Cuba, Central America and parts of Africa and the USA**.



Agricultural Significance

- Roselle grows well on **rainfed uplands and marginal land** with relatively low water and input requirements.
- Its characteristics make it useful for **climate-resilient agriculture** in resource-constrained tribal regions.

Nutritional and Medicinal Value

- Its tender leaves are consumed as **saag** or with pulses and vegetables.
- It contains **vitamin C, anthocyanins, flavonoids, polyphenols, iron, calcium and dietary fibre**.
- **Anthocyanins** provide the characteristic deep-red colour and have antioxidant properties.

Other Important News of the day

**Places
News**

in

Palau

Why in News

- **Seabirds have returned to Ulong Island in Palau**, supporting recovery of nearby coral reefs after invasive rats were removed.

Geographical Profile

- **Palau** is an island nation in the **western Pacific Ocean** comprising about **300 islands**.
- It has a total land area of approximately **458 sq km** and lies in both the **Northern and Eastern Hemispheres**.
- Its maritime neighbours include the **Federated States of Micronesia, Indonesia and the Philippines**.
- A major **barrier reef system** surrounds much of the archipelago.



Important Islands and Capital

- Major populated islands include **Babeldaob, Koror, Malakal, Arakabesan and Peleliu**.
- **Babeldaob** is Palau's largest island and hosts **Ngerulmud**, its capital.
- **Koror** is the largest and most populous city and the country's main commercial centre.

Political and Strategic Linkages

- Palau became independent in **1994** after being part of a **UN Trust Territory administered by the United States**.
- Under the **Compact of Free Association**, Palau receives US financial assistance while the **US is responsible for its defence** and has rights to maintain military bases there.
- The country's official languages include **Palauan and English**, along with Japanese, Sonsorolese and Tobian.

Environment	Sonai Rupai Wildlife Sanctuary NE India Today NE <u>Assam Finance Minister inaugurates new Kalamati Wildlife Range Office at Sonai Rupai Wildlife Sanctuary</u> Assam Finance Minister Jayanta Malla Baruah inaugurated the new Kalamati Wildlife Range Office at Sonai Rupai Wildlife Sanctuary in Sonitpur...  Why in News - The Assam Finance Minister inaugurated the Kalamati Wildlife Range Office at Sonai Rupai Wildlife Sanctuary in Sonitpur district. Geographical Setting Sonai Rupai Wildlife Sanctuary is located in the northwestern part of Sonitpur district, Assam. - It covers approximately 220 sq km, including a 175 sq km core area, along the foothills of the Himalayas. - The sanctuary experiences a subtropical climate with hot, humid summers and heavy monsoon rainfall. Faunal Diversity - Important mammals include elephant, Indian bison, deer, one-horned rhinoceros, leopard and tiger. - The sanctuary also supports rare cat species and diverse birdlife. - The White-winged Wood Duck, an endangered species, occurs among its avifauna. Drainage and Vegetation - The Burhidihing River flows through the sanctuary. - The Namchang River, originating in Arunachal Pradesh, enters the sanctuary and joins the Burhidihing. - Vegetation mainly comprises evergreen forests, along with extensive grasslands.
Defence	Exercise Pitch Black Why in News The Indian Air Force (IAF) recently concluded its participation in Exercise Pitch Black 2026 in Australia, strengthening interoperability with participating air forces. The Tribune <u>Mission accomplished: IAF concludes multi-nation Pitch Black exercise in Australia</u> The Indian Air Force (IAF) on Saturday said its contingent at the multi-nation exercise 'Pitch Black' in Australia had "accomplished the... 

	Exercise Profile Pitch Black is a biennial multinational air exercise hosted by the Royal Australian Air Force (RAAF). - It is the RAAF's flagship international flying exercise, with emphasis on nighttime flying over large unpopulated areas. - The 2026 edition was based at RAAF Bases Darwin and Tindal in Northern Territory and Amberley in Queensland. Participation and Operational Focus 19 nations, including India, participated with 100+ aircraft and 4,400+ personnel. - The exercise involved offensive counter-air operations, air-defence tracking and tactical coordination across diverse aircraft and communication systems. - The IAF deployed 145 personnel, including Garud commandos, four Su-30MKI aircraft, one C-130 and one C-17 for logistical support.
Science and Technology	Microbacterium pollutisoli  Inshorts The yellow microbe found in UP's pesticide dumpsite Tap to know more Inshorts Researchers from Delhi University and CSIRIMTECH have discovered a new bacterial species, <i>Microbacterium pollutisoli</i>, thriving in toxic... Why in News - Researchers discovered a new bacterial species, Microbacterium pollutisoli, in toxic pesticide-contaminated soil in Uttar Pradesh. Discovery and Nomenclature Microbacterium pollutisoli was discovered in soil contaminated with the banned pesticide Hexachlorocyclohexane (HCH). - Its name combines Latin pollutus meaning contaminated and solum meaning soil. 

	Biological Characteristics - The bacterium forms shiny yellow circular colonies and has a short rod-shaped structure. - It can grow between 12°C and 46°C and survive under highly alkaline conditions. Biotechnological Potential - Its genome contains biosynthetic gene clusters, which encode pathways for producing potentially valuable compounds. - These include carotenoids, ectoine and beta-lactones, with potential applications in biotechnology and pharmaceuticals.
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Uttar Pradesh in News

Strengthening Varanasi's Role as a Global Spiritual Destination

 DD India

[Where heritage meets modern mobility: How the Ganga Elevated Corridor will transform Varanasi](#)

Varanasi, one of the world's oldest continuously inhabited cities and India's spiritual capital, is set for a major infrastructure...



Why in News

- The Government is strengthening **Varanasi's connectivity and infrastructure** to promote it as a **global spiritual, cultural and heritage destination**.

Connectivity and Infrastructure

- Road, rail and air connectivity** is being improved to facilitate access for pilgrims and tourists.
- Lal Bahadur Shastri International Airport** has enhanced domestic and international connectivity.
- National Waterway-1 (NW-1)** on the Ganga is being developed to promote **inland water transport and river tourism**.

Tourism and Heritage

- Infrastructure around **Kashi Vishwanath Dham, ghats and heritage sites** is being upgraded.
- Improved connectivity is expected to boost **religious tourism, employment, handicrafts and hospitality services**.

Strategic Significance

- Integrated development seeks to create a **world-class spiritual and cultural city** while preserving Varanasi's **historical identity**.