

### STATE PCS CA CONSOLIDATION

# CHHAITIS GARH



AUGUST 2025



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12, Main AB Road, Bhawar Kuan, Indore, Madhya Pradesh

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### **Bastar Olympics Gets** National Recognition as 'Khelo India Tribal Games'

### Why in News?

Two major developments have been announced in Chhattisgarh's sports and healthcare sectors. The Bastar Olympics has now been officially recognized as 'Khelo India Tribal Games', giving it national-level status.

### **Key Points**

- Support for Indigenous Sports: The Khelo India Scheme includes a dedicated component for "Promotion of Rural and Indigenous/Tribal Games".
  - Sports like Mallakhamb, Kalaripayattu, Gatka, Thang-Ta, Yogasana, and Silambam have already been promoted under this component.

### Khelo India Scheme

- The Khelo India Scheme, launched in 2016-17, aims to promote mass participation and excellence in sports across India.
- Extended till 2025–26 with a financial outlay of ₹3790.50 crore, the scheme focuses on developing sports infrastructure, organizing competitions, talent identification, and supporting sports academies.
  - ★ It also promotes inclusiveness through initiatives for women, persons with disabilities, and indigenous sports.
- Key components include the Fit India Movement, playfield and coaching development, and a national physical fitness drive for school children.

### Chhattisgarh's Deepak Kingrani Wins National Award for Best **Dialogue Writing**

### Why in News?

Deepak Kingrani, hailing from Baloda Bazar-Bhatapara district in Chhattisgarh, has been honored with the National Film Award for Best Dialogue Writing for the year 2023.

### **Key Points**

- Poepak Kingrani, an engineer, moved to Mumbai to pursue his passion for cinema, eventually earning recognition in the film industry.
  - ★ His written film, 'Sirf Ek Banda Kaafi Hai', was also nominated for Best Film in the National
- **'Special Ops'** (2020) gave Kingrani a clear direction in his career, leading to his continued success.
  - ★ He is also credited with the script for 'Mission Ranjiganj' (2023) and 'Bhayya Ji' (2024).
  - ★ His first films as a dialogue writer were **War** Chhod Na Yaar (2013), and Pagalpanti (2019).

#### **National Film Awards 2023**

- The **71**st National Film Awards were announced to honor cinematic excellence from across India for the year 2023.
  - **★** The of Information Ministry and Broadcasting organizes the National Film Awards on behalf of the Government of India.
- The 2023 edition of the awards covered 31 feature films, 24 non-feature films, 27 books on cinema, and 16 film critics as part of the expanded scope under the National Film Awards regulations.
  - ★ The annual awards are conferred under the following sections: Feature Film, Non-Feature Film, Best Writing on Cinema and Dadasaheb Phalke Award.

### **Top National Winners:**

Category	Winner(s)
Best Feature Film	12 <sup>th</sup> Fail
Best Direction	Sudipto Sen – The Kerala Story
Best Actor	Shah Rukh Khan (Jawan), Vikrant Massey (12th Fail)
Best Actress	Rani Mukerji – Mrs. Chatterjee vs Norway
Best Film Promoting National, Social, and Environmental Values	Sam Bahadur

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### Discovery of Ni-Cu-PGE Deposit in Chhattisgarh

### Why in News?

A significant deposit of Nickel, Copper, and Platinum Group Elements (Ni-Cu-PGE) has been discovered in the Mahasamund district of Chhattisgarh, India.

### **Key Points**

- About: Deccan Gold Mines Limited (DGML) was granted a 30 sq km Composite Licence for the Bhalukona-Jamnidih block in Chhattisgarh, allowing exploration and mining, with ongoing exploration showing promising results.
  - ★ A 700-meter-long mineralized zone has been identified within mafic-ultramafic rock formations.
  - Geophysical surveys show the presence of sulphide mineralization extending up to 300 meters in depth, indicating substantial resource potential.
- Exploration Process: The Geological Survey of India (GSI) had conducted G4-level exploration in the region and identified promising traces of Nickel, Chromium, and PGEs.
  - ★ The findings were later validated by the Chhattisgarh Directorate of Geology and Mining (DGM), which facilitated an e-auction for the block.
- Significance: The discovery of critical minerals is expected to significantly advance the <u>Atmanirbhar</u> <u>Bharat initiative</u>, fostering self-reliance in key resources and supporting India's strategic goals for <u>sustainable development</u> and independence in vital sectors.
  - ★ The finding of minerals like Nickel and PGEs aligns with global trends toward green and high-tech technologies, providing essential materials for future innovation and industrial growth.

### **Chhattisgarh's Mineral Auction**

- The state has successfully auctioned 51 mineral blocks, including key blocks with resources like Graphite, Nickel, Chromium, PGEs, Lithium, Glauconite, Phosphorite, Graphite-Vanadium.
- Additionally, **six tin blocks** are awaiting auction under the Union Ministry of Mines.
- The Chhattisgarh Directorate of Geology and Mining (DGM) has established a Critical Mineral Cell to promote collaboration with academic, research, and industry institutions.
  - This initiative aims to foster innovation and streamline the exploration of critical minerals.

### **Platinum Group Elements (PGEs)**

- About: PGEs are a set of six metallic elements platinum (Pt), palladium (Pd), rhodium (Rh), ruthenium (Ru), osmium (Os), and iridium (Ir).
  - ★ These elements typically occur together in mineral deposits, frequently associated with, or as by-products of, nickel and copper deposits found in mafic and ultramafic rocks.
  - ★ Major Ni-Cu-PGE deposits are mined in places like South Africa, Russia, and Canada.
- Importance: Ni-Cu-PGE deposits are globally significant due to their essential roles in various high-technology sectors.
  - → Nickel is vital for producing stainless steel
    and high-strength alloys, copper is crucial
    for electrical infrastructure, and PGEs are
    indispensable in the manufacture of
    catalytic converters (for pollution control in
    vehicles), electronics, medical equipment,
    and jewelry.
  - ★ Their strategic importance is only increasing as they are also fundamental components in electric vehicle batteries and renewable energy technologies.

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### Mineral Map of Chhattisgarh INDEX Bauxite Clay Coal Basemetel (Cu.Pb.Zn.) Diamond Dolomite Fluorite Gold 20 Limestone Maganese Corundum Silica Sand Gem Stone Graphite River **Existing Rail Line** Directorate of Geology and Mining 18°+ Raipur, Chhattisgarh

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### Chhattisgarh's Mahatari Vandan Yojana

### Why in News?

The **Mahatari Vandan Yojana** is bringing significant changes in the lives of women in Chhattisgarh by empowering them economically and socially.

• Currently, over 69.19 lakh women across the state are benefiting from this initiative.

### Key Facts About Mahatari Vandan Yojana

- Objective: The Mahatari Vandan Yojana aims to empower women by addressing gender discrimination, inequality, improving health and nutrition levels, promoting economic independence, and strengthening women's decision-making roles in families.
  - ★ It aims to foster a long-term impact on the overall development and well-being of women in Chhattisgarh.
- Launch: The scheme was launched by the state government of Chhattisgarh in March 2024.
- Eligibility Criteria:
  - Married women who are local residents of Chhattisgarh.
  - ★ Women must be at least 21 years old.
  - ★ Widows, divorced women, and deserted women are also eligible for the scheme.

#### Assistance Provided:

- ★ Eligible women will receive ₹1000 per month via DBT (Direct Benefit Transfer).
- ★ Women receiving less than ₹1000 from social assistance programs or various pension schemes will be provided the balance amount to ensure they receive ₹1000.

### State of Women's Health in Chhattisgarh as per the National Family Health Survey (NFHS-5), 2020-21

- Women with BMI Less Than Normal (<18.5 kg/m²): 23.1% of women aged 15-49 in Chhattisgarh have a BMI below the normal threshold.</p>
- Prevalence of Anemia:
  - ★ All Women (15-49 years): 60.8% are anemic.
  - → Pregnant Women (15-49 years): 51.8% are anemic.

### Chhattisgarh Celebrates World Biofuel Day

### Why in News?

The **Chhattisgarh Biofuel Development Authority (CBDA) celebrated World Biofuel Day** (on 10<sup>th</sup> August 2024) in Gorhi village, Durg district, with enthusiasm and dignity.

The event highlighted green energy, rural engagement, and biofuel promotion, with CBDA successfully producing biodiesel from non-edible oilseeds and used cooking oil, and future plans for biojet fuel, bioethanol, and green hydrogen.

### **Key Points About World Biofuel Day**

- It aims to raise awareness about non-fossil fuels as sustainable energy alternatives and to highlight government initiatives that support the biofuel industry.
- The day commemorates the successful operation of an engine on peanut oil by German engineer Sir Rudolf Diesel on 9<sup>th</sup> August 1893.
- Theme for 2025: "Biofuels: A Sustainable Pathway to Net Zero"

### **Biofuels**

- Biofuels are fuels derived from plant biomass or animal waste and are renewable energy sources. Common biofuels include:
  - ★ Ethanol: Made by fermenting crop residues like corn and sugarcane, then blended with petroleum to reduce emissions. The common blend is Ethanol-10 (10% ethanol).
  - ★ Biodiesel: A biodegradable fuel produced from used cooking oil, recycled grease, or animal fats, made by reacting oil or fat with alcohol and a catalyst.
- Significance of Biofuels:
  - ★ Environmental Benefits: Biofuels reduce greenhouse gas emissions, resource depletion, and improve waste management.
  - ★ Energy Security: With over 85% of oil imported, biofuels can enhance India's energy security.

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- **Economic Benefits:** Biofuels can reduce oil imports, lower the import bill, and boost farm incomes, especially from surplus crops like corn and sugarcane.
- ★ **Abundant Availability:** Biofuels can be produced from crops, waste, and algae.

#### Note

- India is the world's 3<sup>rd</sup> largest oil consumer (behind the US and China).
  - ★ India aims to achieve a 20% ethanol blending target by 2025.
  - ★ The first 2G ethanol project was inaugurated in Panipat, Haryana in 2022.
    - 2G ethanol is a biofuel produced from non-food sources like agricultural residues and waste.

### Formation of Chhattisgarh

### Why in News?

Chhattisgarh is celebrating its Silver Jubilee year, marking 25 years since its formation. As part of its Silver Jubilee celebrations, the Public Relations Department organized a photo exhibition and quiz competition in Raipur.



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### **Key Facts About Chhattisgarh**

- History: The history of Chhattisgarh dates back to the 4th century C.E., when it was known as **Dakshin Kosala.** The name "Chhattisgarh" means "thirty-six forts," referring to the Hehaya dynasty of Ratanpur.
  - ★ The Kalachuri dynasty ruled the region from the 9th to 18th century, with **Ratanpur** as their capital.
- **Formation as a State:** Chhattisgarh was **formed on** 1<sup>st</sup> November 2000, after being carved out of Madhya Pradesh.
  - ★ Its capital is Raipur, with Naya Raipur (Atal) Nagar) being developed as a modern smart
- Geographical Significance: It is the 9<sup>th</sup> largest state in India with an area of 135,192 square kilometers. The state is rich in natural resources, especially coal, iron ore, and bauxite, making it a key hub for power, steel, and cement industries.
  - ★ Chhattisgarh is also known as the 'Rice Bowl of India' due to its high rice production. More than 40% of its land is forested.

### **Unique Facts About Chhattisgarh**

- Both the Tropic of Cancer and the Indian Standard Time (IST) meridian pass through Chhattisgarh, with their intersection located in Surajpur.
- The Indian Standard Time meridian runs through several districts in Chhattisgarh, including Surajpur, Korba, Janjgir-Champa, Balodabazar, Mahasamund, Gariaband, and Balod.
  - This meridian, which is based on the 82.5° **E longitude,** is used to calculate IST.
  - ★ The standard meridian of India also passes through other states, such as Uttar Pradesh (Mirzapur, village Kharavada), Madhya Pradesh, Odisha, and Andhra Pradesh.
- The Tropic of Cancer, situated at 23° 26' North latitude, crosses through eight Indian states: Madhya Gujarat, Rajasthan, Pradesh, Chhattisgarh, Jharkhand, West Bengal, Tripura, and Mizoram.
  - ★ In Chhattisgarh, the Tropic of Cancer passes through the districts of Korea (Koriya), Surajpur, Balrampur, and Manendragarh-Chirmiri-Bharatpur.

















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