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## Daily Current Affairs Encyclopedia

5 March 2024

### National & International News

#### Women, Business and Law Index



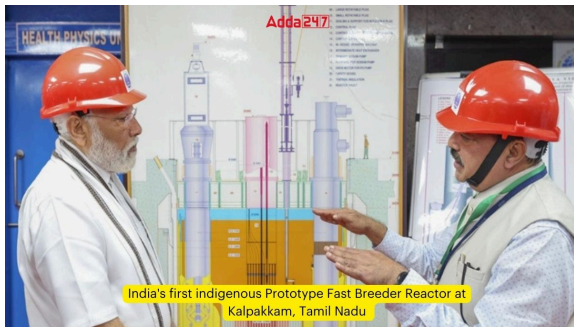
#### Context:

India has improved its ranking to **113 out of 190 countries** in the World Bank's Women, Business and Law index.

#### Key points:

- The index, which measures the **enabling environment for women's economic opportunity** in 190 economies, assesses how laws and regulations impact women's economic rights on a scale of 0 to 100, where 100 signifies equal legal rights for men and women.
- The report evaluates **eight key areas**: Mobility, workplace, pay, marriage, parenthood, entrepreneurship, assets, and pension.
- This is the **10th edition of the report**.
- Globally, no country achieved a perfect score, indicating a lack of equal rights for women worldwide.
- Indian women enjoy 60% of the legal rights given to men, which is lower than the **global average of 64.2%**.

#### Prototype Fast Breeder Reactor - Kalpakkam



#### Context:

Prime Minister Narendra Modi visited the **Kalpakkam nuclear power plant** and observed the commencement of "**core loading**" at India's first indigenous **Fast Breeder Reactor (500 MWe)**.

#### Key points:

- In 2003, the government approved the creation of **Bhartiya Nabhikiya Vidyut Nigam Ltd. (BHAVINI)** to operate India's most advanced nuclear reactor, the Prototype Fast Breeder Reactor (PFBR).
- The **PFBR**, fully designed and constructed indigenously by BHAVINI with contributions from 200 Indian industries, is a significant achievement.
- Once commissioned, **India will be the second country, after Russia, to have a commercial operating Fast Breeder Reactor.**
- The **PFBR is an advanced third-generation reactor** with inherent passive safety features, ensuring high levels of safety.

#### PFBR:


- The PFBR, which **breeds more material for nuclear fission than it consumes**, is a key project of India's nuclear power programme.
- Initially, the reactor will use **uranium-plutonium mixed oxide (MOX) fuel**.



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	<ul style="list-style-type: none"> <li>• The <b>uranium-238 'blanket'</b> surrounding the fuel core will undergo <b>nuclear transmutation to produce more fuel</b>, earning the name <b>'Breeder'</b>.</li> <li>• The use of <b>Thorium-232</b> as a blanket is also envisaged.</li> <li>• Through transmutation, <b>Thorium will create fissile Uranium-233 for use as fuel in the third stage.</b></li> <li>• FBR is a stepping stone for the third stage, leading to the full utilization of India's abundant thorium reserves.</li> <li>• After core loading, the <b>reactor will approach criticality, generating power subsequently. PFBRs are cooled by liquid sodium</b>, with 1,750 tonnes of liquid sodium to be loaded into the reactor.</li> <li>• India chose the closed fuel cycle option for this reactor, where spent fuel is reprocessed and converted into indigenously developed unique plutonium-rich mixed carbide fuel.</li> </ul>
<p><b>Yars Missile</b></p> 	<p><b>Context:</b></p> <ul style="list-style-type: none"> <li>• Russia recently conducted a fire test of its nuclear ballistic Yars missile.</li> </ul> <p><b>Key points:</b></p> <ul style="list-style-type: none"> <li>• The <b>RS-24 Yars</b> is an <b>intercontinental ballistic missile (ICBM)</b> in Russia's Strategic Missile Forces arsenal.</li> <li>• It has an <b>operational range of up to 12,000 kilometers</b>, making it one of the longest-range missiles globally.</li> <li>• The RS-24 Yars features a <b>Multiple Independently Targetable Reentry Vehicle (MIRV) system.</b></li> <li>• This allows it to carry multiple nuclear warheads, enhancing its strategic deterrence capability.</li> <li>• The RS-24 Yars replaces the <b>older Topol and Topol-M missile systems.</b></li> <li>• It exists in <b>both mobile and silo-based forms</b> to increase flexibility and reliability.</li> </ul> <p><b>ICBM:</b></p> <ul style="list-style-type: none"> <li>• An intercontinental ballistic missile is a <b>ballistic missile with a range greater than 5,500 kilometres</b>, primarily designed for <b>nuclear weapons delivery.</b></li> <li>• Maximum range varies from <b>7,000 to 16,000 kilometers</b>, according to the Federation of American Scientists.</li> <li>• Compared to other types of ballistic missiles, ICBMs are significantly <b>faster and have a greater range.</b></li> <li>• <b>Agni-V</b>, an Indian ICBM, has a range of over 5,000 kilometers.</li> </ul>
<p><b>Narasapur crochet lace</b></p>	<p><b>Context:</b></p> <ul style="list-style-type: none"> <li>• The Narasapur crochet lace craft, famous in the <b>Godavari region of Andhra Pradesh</b>, has received the <b>Geographical Indications (GI) tag from DPIIT.</b></li> </ul>



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- The GI tag aims to revive the craft and boost its demand, especially against competition from machine-made lace products from China.

### Key points:

- Originated in **1844** when Macrae and his wife from Scotland taught the lace-making technique to local women at Dummugudem, Telangana.
- The craft is limited to **19 mandals in West Godavari** and Dr. B.R. Ambedkar Konaseema districts in the Godavari region.
- Major trade points include **Narsapur, Palacole, Razole, and Amalapuram**, involving around 15,000 women in production.

### GI Tags in Andhra Pradesh

- Srikalahasthi Kalamkari
- Kondapalli Bommallu
- Machilipatnam Kalamkari
- Budithi Bell & Brass Metal Craft
- Andhra Pradesh Leather Puppetry
- Uppada Jamdani Sarees
- Tirupathi Laddu
- Guntur Sannam Chilli
- Venkatagiri Sarees
- Bobbili Veena
- Mangalagiri Sarees and Fabrics
- Dharmavaram Handloom
- Pattu Sarres And Paavadas
- Bandar Laddu
- Udayagiri Wooden Cutlery
- Durgi Stone Carvings
- Etikoppaka Toys
- Allagadda Stone Carving
- Atreyapuram Pootharekulu
- Araku Valley Arabica Coffee
- Banaganapalle Mangoes

### Tripura's traditional tribal attire 'risa' receives GI tag



### Context:

After a year of Tripura's queen pineapple receiving the GI tag, 'risa,' a traditional tribal attire, has also been granted GI recognition, as announced by Chief Minister Dr. Manik Saha in Agartala.

### Historical Significance:

- The attire is claimed to have originated before the **Manikya kings' rule over Tripura**, which lasted **over 500 years starting from the 15th century**.
- Maharaj Trilochana, also known as Subhrai Raja, is said to have invented nearly 250 designs of '**rignai**' during his time for his 250 wives.



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### Features of Tripura's Traditional Attire:

- The traditional Tripuri female attire consists of three parts: **'risa,' 'rignai,' and 'rikutu.'**
- **'Risa'** is a handwoven cloth used as a female upper garment, headgear, stole, or a present to express respect. It is wrapped around the torso twice.
- **'Rignai'** is primarily worn as the lower garment, similar to the sari of mainland India.
- **'Rikutu'** is mainly used as a wrap, 'chunri,' or 'pallu' of the Indian saree, also used to cover the heads of newly married Tripuri women.

### Cultural and Religious Significance:

- **'Risa'** is worn in religious festivals such as Garia Puja by tribal communities and as a turban by men during weddings and festivals.
- Adolescent **Tripuri girls are first given a 'risa' to wear in an event called Risa Sormani, at ages 12 to 14.**
- The cloth is also used as a makeshift hanger to hold an infant on mothers' backs and is presented as a mark of honor to distinguished recipients.
- **'Risa'** is common in almost all **19 indigenous tribal communities of Tripura**, with each community having its own design.

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