

UPSC Daily Current Affairs| One Liners 23-08-2025

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History, Art and Culture

Financial Assistance for Promotion of Guru-Shishya Parampara

- **Launched by** - Ministry of Culture.
- **Aim** - To provide financial assistance to dramatic groups, theatre groups, music ensembles, children's theatre, and all genres of performing arts activities.
- **Physical verification** - By officers to grant funds.
- **Financial assistance**
 - For guru/ director - Rs.15,000 per month
 - For shisya/ artists - under 4 categories

Polity & Governance

Adjournment Sine Die

Monsoon Session of Parliament adjourns sine die.

- It means *terminating a sitting* of Parliament *for an indefinite period*.
- In other words, when the House is adjourned without naming a day for reassembly, it is called adjournment sine die.
- **Issuing power** - Presiding officer of the House.
- He can also call a sitting of the House before and after the House has been adjourned sine die.

Economy

Startup India Seed Fund Scheme (SISFS)

- **Launched in** - 2021, by the Department for Promotion of Industry and Internal Trade (DPIIT).
- **Objectives** - To provide *financial assistance to startups* for proof of concept, prototype development, product trials, market-entry, and commercialization.
- To raise investments from *angel investors or venture capitalists* or seek loans from commercial banks or financial institutions.
- **Experts Advisory Committee (EAC)** - Constituted by DPIIT, responsible for the execution and monitoring of the SISFS.

Angel Investors vs Venture Capitalists

Angel investor	Venture Capitalist
It is a <i>high-net-worth individual</i> who invests <i>personal funds</i> into a start-up or early-stage business in exchange for an equity stake in the company.	It is an <i>institutional investor</i> employed by a risk capital firm that invests its funds into start-up or early-stage businesses in exchange for equity stakes in the companies.
It may help kick-start the companies.	It might offer at a later stage.

North East Special Infrastructure Development Scheme (NESIDS)

- It is a *Central Sector Scheme*.
- **Launched in** - 2017-18, by Ministry of Development of North-East Region.
- **Aim** - To ensure focused development by providing financial assistance to 8 North Eastern States for creation of infrastructure.
- **Restructured in** - 2022-2023 into 2 components
 - NESIDS (Roads)
 - NESIDS (Other than roads infrastructure)

Poorvottar Vikas Setu (PVS) Portal

- **Launched by** - Ministry of Development of North-East Region.
- **Aim** - To streamline the process of project approval and monitoring in an efficient and transparent manner.

Science

Prototype Fast Breeder Reactor (PFBR)

- **PFBR** - It uses *fast neutrons for energy generation* and employs *liquid sodium* as a coolant instead of water.
- **Purpose** - To breed more fuel than it consumes.
- To convert fertile materials like Uranium-238 into fissile materials like Plutonium-239.
- **Development** - *500 MWe sodium-cooled reactor* located in Kalpakkam, Tamil Nadu.
- **Developed by** - Bharatiya Nabhikiya Vidyut Nigam Limited (BHAVINI).
- **Powered by** - *Plutonium and uranium-based mixed oxide fuel* (MOX), which ensures high efficiency in power generation.

Bharatiya Nabhikiya Vidyut Nigam Limited (BHAVINI)

- It is a Public Sector Undertaking (PSU) under *Department of Atomic Energy (DAE)*
- **Established in** - 2003, as Public Limited Company under *Companies Act, 1956*.
- **Objective** - To construct, commission, operate and maintain the 1st 500 MWe Fast Breeder Reactor (FBR) under *the Atomic Energy Act, 1962*.

DEUTERIUM

Recently, the Ministry of Earth Science planned to extract Deuterium from Godavari River water.

- It is a *stable isotope of hydrogen and heavy water (D₂O)*, contains 2 atoms of Deuterium (D) and 1 atom of oxygen, also known as Deuterium Oxide.
- **Mass** - *Double the mass of hydrogen* due to presence of an *extra neutron in its nucleus*.
- **Present in** - Hydrogen and hydrogen bearing compounds like water, hydrocarbons, etc.
- **Technology for extraction** - H₂S-H₂O Bi-Thermal chemical exchange technology.

Godavari River

- Often called the Dakshina Ganga or Southern Ganges.
- It is the *2nd longest river* in India, stretching about 1,465 kilometres.
- **Origin** - Western Ghats at *Trimbakeshwar in Maharashtra*.
- **Flow** - Eastward across the Deccan Plateau and empties into the Bay of Bengal.
- **Passing through** - Maharashtra, Andhra Pradesh, Chhattisgarh, and Odisha, with smaller sections in Madhya Pradesh, Karnataka and Union territory of Puducherry.
- **Right bank tributaries** - Pravara, Manjra, Manair, etc
- **Left-bank tributaries** - Dharna, Penganga, Wainganga, Wardha, Pranahita (combined waters of Penganga, Wardha, and Wainganga), Pench, Kanhan, Sabari, Indravati, etc.