

VETRI IAS STUDY CIRCLE

Current Affairs

(A book for TNPSC Examination)

APRIL 2024 - PART 2



An ISO 9001: 2015 Institution | Providing Excellence Since 2011

Head Office

Old No. 52, New No. 1, 9th Street,
F Block, 1st Avenue Main Road, (Near Isha Siddhi Vinayakar Temple), Anna Nagar East – 600 102.
Ph: 044-2626 5326 | 98844 21666 | 98844 32666

Branches

SALEM

No. 189/1, Meyanoor Road,
Near ARRS Multiplex, (Near
Salem New Bus Stand),
Opp. Venkateshwara Complex,
Salem - 636 004.
Ph: 0427-2330307 | 95001 22022

KOVAI

No. 347, D.S. Complex
(3rd floor), Nehru Street,
Near Gandhipuram Central
Bus Stand, Ramnagar,
Kovai - 641 009.
Ph: 75021 65390

MADURAI

No. 199, Dharshini Tower,
1st Floor, Vaigai Colony,
Anna Nagar,
Madurai - 625 020.
Ph: 91500 21999
91500 21998

TIRUNELVELI

No. 58, IVY Towers, 3rd Floor,
Palayamkottai,
Near Palai Bus Stand,
(Next to Muthamil Hospital),
Tirunelveli - 627 002.
Ph: 91500 10079

THANJAVUR

Muthu Complex,
(Pantaloons Showroom Basement)
No. 243, Cauvery Nagar,
Opp. New Housing Unit,
Thanjavur - 613 005.
Ph: 78711 69099 | 78715 71819

KOVILPATTI

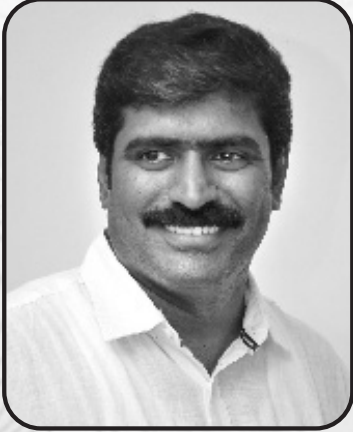
No. 15, Kathiresan Kovil Road,
Behind Kaliamma Temple,
Kovilpatti - 628 501.
Ph: 90037 90335
81222 80685

THIRUCHENGODE

Vivekananda Educational Institutions
Elayampalayam (Po),
Thiruchengode (TK),
Namakkal (Dt) - 637205.
Ph: 7845779908

www.vetriias.com

Preface



M. SHUNMUGAM

Director

Vetrii IAS Study Circle.

© All rights reserved with the publisher. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without the written permission of the publisher, will be responsible for the loss and may be punished for compensation under copyright act.

My Dear Aspirants,

Greetings to all of you! "What we think we become" Gautama Buddha. We all have dreams. To make dreams come into reality it takes a lot of determination, dedication, self discipline and continuous effort.

We at VETRII IAS Study Circle are committed to provide the right guidance, quality coaching and help every aspirants to achieve his or her life's cherished goal of becoming a civil servant.

The class room coaching at VETRII IAS Study Circle is meticulously planned to equip the aspirants with all the relevant facts and fundamentals of the subjects. Further the VETRII IAS Study Circle Study materials aim to support the candidate by providing the most relevant study material in a comprehensive manner.

We also thank other family members of Vetrii for making this effort a reality.

We wish the aspirants ALL THE VERY BEST for their journey in Civil Services !

Published by:

VETRII IAS STUDY CIRCLE

F Block New No. 1, 9th Street,
1st Avenue Main Road, Chinthamani,
Anna Nagar (E), Chennai - 102.

Phone : 044-2626 5326

98844 72636 | 98844 21666 | 98844 32666

E-mail : enquiry@vetriias.com

Web : www.vetriias.com

CONTENTS

HISTORY 01



06 POLITICAL SCIENCE

GEOGRAPHY 08



09 ECONOMICS

SCIENCE 10



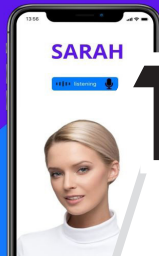
NATIONAL-DIARY OF EVENT

11



SARAH

THE WORLD'S FIRST AI THERAPIST



12

INTERNATIONAL AFFAIRS

TAMILNADU AFFAIRS

13



1. HISTORY



1.1 IMPORTANT DAYS

Date	Day	Theme / Remark
April 13	105th Anniversary of the Jallianwala Bagh Massacre	<ul style="list-style-type: none">▪ April 13, 2024 marks the 105th Anniversary of the Jallianwala Bagh Massacre.▪ It is also known as the Amritsar Massacre.▪ The massacre was held on 13 April 1919 in Amritsar, Punjab.
April 14	World Chagas Disease Day	<ul style="list-style-type: none">▪ World Chagas Disease Day was observed by World Health Organisation every year on April 14 to raise awareness about the disease.▪ The day was celebrated for the first time in 2020.▪ Theme 2024 : “Tackling Chagas disease: Detect early and care for life”
April 15	National Transgender Day	<ul style="list-style-type: none">▪ Every year April 15 is observed as National Transgender Day to commemorate the NALSA Verdict.▪ On April 15, 2014 the Supreme Court in National Legal Services Authority vs. Union of India identified transgender people as the ‘third gender’ and made the Fundamental Rights under the Constitution equally applicable to them
April 18	World Heritage Day	<ul style="list-style-type: none">▪ World Heritage Day is celebrated annually on April 18 to honour and preserve our heritage.▪ The day is also known as International Day for Monuments and Sites (IDMS)▪ Theme 2024 : Discover and Experience Diversity.

Date	Day	Theme / Remark
April 18	National Civil Service Day	<ul style="list-style-type: none"> ▪ National Civil Service Day is observed on April 21 every year by the Government of India to acknowledge the exemplary work done by civil servants across the country. ▪ The day commemorates the address given by Sardar Vallabhbhai Patel who was the first Home Minister of Independent India, to probationary officers in 1947. ▪ In the address he referred to civil servants as 'the steel frame of India'.
April 22	World Earth Day	<ul style="list-style-type: none"> ▪ World Earth Day also known as International Mother Earth Day is observed on April 22 every year to raise awareness and promoting the sustainability of our planet. ▪ Theme 2024 : 'Planet vs Plastics'. ▪ Earth Day was first observed in 1970. ▪ In 2009, the United Nations designated Earth Day as International Mother Earth Day.
April 23	Important Days World English Day	<ul style="list-style-type: none"> ▪ World English Day also known as United Nations (UN) English Language Day, is celebrated annually on April 23 to recognise and celebrate the impact of the English language globally. ▪ The day is observed to honour the birth and death anniversary of William Shakespeare. ▪ It was established first time by UNESCO in 2010.
April 24	National Panchayati Raj Day	<ul style="list-style-type: none"> ▪ The National Panchayati Raj Day is observed every year on 24th April to commemorate the 73rd Amendment Act, 1992 of the Constitution which came into effect in the year 1993. ▪ The day is recognized annually by the Ministry of Panchayati Raj.

Date	Day	Theme / Remark
April 25	World Malaria Day	<ul style="list-style-type: none"> ▪ World Malaria Day is observed on April 25 every year to raise awareness about the prevention and control of malaria. ▪ Theme 2024 : "Accelerating the fight against malaria for a more equitable world." ▪ The day was established by the World Health Organisation (WHO) in 2007. ▪ Malaria is spread by the bite of female Anopheles Mosquito.
April 26	World Intellectual Property Day	<ul style="list-style-type: none"> ▪ World Intellectual Property Day is celebrated annually on April 26th by the World Intellectual Property Organization (WIPO) to promote the role of intellectual property (IP) in stimulating innovation and creativity. ▪ Theme 2024 : 'IP and the SDGs: Building Our Common Future with Innovation and Creativity' <p>About WIPO</p> <ul style="list-style-type: none"> ▪ It is an United Nations specialised agency ▪ Headquarters - Geneva, Switzerland ▪ Founded - 14 July 1967
	World Veterinary Day	<ul style="list-style-type: none"> ▪ The World Veterinary Day is observed on the last Saturday of April to honour the contributions of veterinarians to society. ▪ Theme 2024: Veterinarians are essential health workers. ▪ The day was first celebrated in 2000 by World Veterinary Association (WVA).

1.2 DEFENCE, NATIONAL SECURITY AND TERRORISM

Poorvi Leher

- The **Indian Navy** recently carried out an extensive exercise, "**Poorvi Leher**" along the **East Coast**.
- The exercise was conducted to check preparedness of Indian Navy to meet any maritime security challenges.

BrahMos Cruise Missiles

- **India's BrahMos** supersonic cruise missiles were delivered to the **Philippines** by **BrahMos Aerospace Private Limited (BAPL)** recently.
- The missiles were delivered as part of a \$375 million deal which was signed by the two countries in 2022.

About BrahMos

- It is a **long-range nuclear-capable supersonic cruise** missile system.
- It is named after the rivers **Brahmaputra and Moskva (Russia)**.
- Tested for the **first time in 2001**.

Note

- BAPL is a **joint venture company** of India's **Defence Research and Development Organisation (DRDO)**.

DURGA – 2

- **Defence Research and Development Organisation (DRDO)** is planning to test a prototype of its indigenous laser weapon system, **DURGA-2**.
- **DURGA-2** stands for **Directionally Unrestricted Ray-Gun Array**.

- It can neutralise drone or ballistic missile attacks.
- It travels at the **speed of light**.

Nirbhay cruise missile

- The **Defence Research and Development Organisation (DRDO)** conducted the flight test of a long range subsonic indigenously developed cruise missile called '**Nirbhay**' successfully.
- It was tested from the **Integrated Test Range (ITR)** in **Chandipur** off the coast of **Odisha**.
- It was developed by the Bengaluru-based DRDO laboratory **Aeronautical Development Establishment (ADE)**.

1.3 WORLD SUMMITS AND ORGANISATION

World Energy Congress 2024

- The **26th edition of the World Energy Congress** was held at **Rotterdam in Netherlands** by **World Energy Council (WEC)** recently.
- Theme of the summit is '**Redesigning energy for people and planet**'.

- India aims to achieve **500 GW** of non-fossil-fuel energy capacity by the year **2030**.
- India commits to achieve **Net Zero emissions** by the year **2070**.

About WEC:

- Formation – **1924**
- Headquarters – **London, UK**

1.4 PLACES IN NEWS

Padta Bet

- **Skeleton, along with pottery artefacts and animal bones** were excavated recently from the archaeological site called **Padta Bet in Kutch, Gujarat**.
- The excavation denotes the presence of a **5,200-year-old Harappan settlement**.

- The site is located near an **Early Harappan necropolis** called **Juna Khatiya**.
- Necropolis is the **mass burial ground**.

1.5 SPORTS

Candidates tournament

- 17-year-old Grandmaster **Gukesh Dommaraju** became the **youngest** man to win the **Candidates tournament**.
- Gukesh will face **Ding Liren** who is the reigning world champion for the world title later this year.

Note

- The **2024 Candidates Tournament** was an eight-player chess tournament, held to determine the challenger for the **World Chess Championship 2024**.

1.6 AWARDS & HONOURS

Awards and Honour Laureus World Sports

Awards 2024

- The winners of the **2024 Laureus World Sports Awards** were announced recently.

Award Categories:

- Laureus World Sportsman of the Year - **Novak Djokovic**
- Laureus World Sportswoman of the Year -

Aitana Bonmatí

- Laureus World Team of the Year - **Spain Women's Football Team**

About Laureus World Sports Awards

- It is an annual award ceremony honouring individuals and teams.
- Most awards - Switzerland **Roger Federer**

1.7 CULTURAL PANORAMA

Bohag Bihu 2024

- **Bohag Bihu**, also known as **Rongali Bihu** was celebrated in **Assam** recently.
- The festival is celebrated by the indigenous ethnic groups of Assam.
- It marks the beginning of the **Assamese New Year**.

- **Bihu** is a tri-annual festival, with **Bohag Bihu** being celebrated as the first of the three.
- The other two **Bihu** festivals, **Kati Bihu** and **Magh Bihu** are celebrated in October and January, respectively.

1.8 APPOINTMENTS

Panel for LGBTQ community

- The **Ministry of Law and Justice** notified a **six-member committee** to address issues related to the queer community.
- The committee will be headed by the **Cabinet Secretary**.
- It will suggest measures to ensure that the queer community does not encounter any discrimination in accessing goods and

services, social welfare schemes, or face threat of violence among others.

New Navy chief

- **Vice-Admiral Dinesh Kumar Tripathi** has been appointed recently as the **next Chief of the Naval Staff**.
- He is currently the **Vice Chief of the Navy**.

2. POLITICAL SCIENCE

2.2 LATEST COURT VERDICTS

Article 142

- The Supreme Court used its extraordinary powers under **Article 142 of the Constitution** to do “complete justice” to permit the medical termination of pregnancy of a 14-year-old rape survivor in **Maharashtra**.

Key Provisions of Medical Termination of Pregnancy Act, 2021

- Duration of Pregnancy Procedure for Termination

- **Up to 20 weeks** - Opinion of 1 doctor is needed for abortion.
- **20-24 Weeks** - Opinion of 2 doctors is needed for abortion.
- **Beyond 24 weeks** - Advice of a medical board is needed.

2.3 PUBLIC AWARENESS & GENERAL ADMINISTRATION

India Post in Antarctica

- Recently India Post opened a post office at its **Bharati station in Antarctica**.
- It has already set up post offices at **Dakshin Gangotri Station in 1984** and another at **Maitri Station in 1990**.

About India Post

- **Founded** - October 1, 1854
- **Headquarters** - New Delhi

Inter-Agency Space Debris Coordination Committee (IADC)

- The **42nd Inter-Agency Space Debris Coordination Committee (IADC) annual meeting** was held at **Bengaluru** recently.
- ISRO Chairman **S.Somanath** announced that India aims to achieve **debris-free space missions by 2030**.
- Currently, **India** has **54 spacecraft** in the orbit.
- India is planning to set up its own space station '**Bharatiya Antriksh Station**' by 2035

About IADC

- It is an **international governmental forum** to co-ordinate efforts to deal with debris in orbit around the Earth.
- **Formation** - 1993
- **Members** - Space agencies of 13 countries including India (ISRO)

Navchetana

- The **National Framework of Early Childhood Stimulation 2024** was finalised recently.
- Navchetana is the **activity-based curriculum**.
- The document was titled '**Navchetana**' which is the activity-based curriculum that follows the **National Education Policy 2020**.
- It calls for a **continuum of learning**.
- Staff in **14 lakh angan wadis** will be given training on the curriculum.
- The document lays down **month-by-month activities** to be conducted by parents, anganwadi staff and ASHA workers for children from birth to the age of three.

Special Learning Disabilities

- The Union government is planning to introduce a new test to diagnose **specific learning disabilities (SLDs) in adults in India.**
- The test is being designed by the **National Institute for the Empowerment of Persons with Intellectual Disabilities (NIEPID).**

About NIEPID

- Autonomous organization
- It functions under **Ministry of Social Justice and Empowerment.**
- **Objective** - To empower mentally handicapped people.
- Location - Secunderabad in Telangana.

Vetrii IAS Study Circle



Vetrii IAS Study Circle



3. GEOGRAPHY

3.1 POLICY ON ENVIRONMENT AND ECOLOGY

Report by Global Forest Watch

- According to the latest data from the Global Forest Watch, India has lost **2.33 million hectares of tree cover since 2000**.
- **Between 2001 and 2022** forests in India emitted **51 million tons of carbon dioxide** equivalent a year and removed **141 million tons** of carbon dioxide equivalent a year.
- The maximum tree cover loss of **189,000 hectares** occurred in 2017.
- The highest rate of tree cover loss occurred in **Odisha**.

Kalesar Wildlife Sanctuary

- The **Supreme Court** stayed the construction of four proposed dams inside **Kalesar Wildlife Sanctuary**.

About Kalesar Wildlife Sanctuary

- **Location** - in Yamunanagar district, Haryana.
- Largest wildlife sanctuary of **Haryana**.
- It's an **Important Bird and Biodiversity Areas (IBAs)**

Natural Disasters – Safeguard Measures. Union govt. releases disaster relief funds

- The Union government recently ordered the release of **Rs.3,730.32 crore** towards “relief assistance for natural calamity” from the **National Disaster Response Fund (NDRF)**.
- The **Union Home Ministry** approved an assistance of **Rs.285.54 crore** and **Rs.397.13 crore** for the damage caused by **Cyclone Michaung in 2023** and the floods in December, 2023 in Tamil Nadu.

Note

- NDRF is constituted under **Section 46** of the **Disaster Management Act, 2005**.
- The Centre contributes
- **75% of the State Disaster Response Fund (SDRF)** allocation for general category States and Union Territories
- **90% for special category States** (North Eastern States, Sikkim, Uttarakhand, Himachal Pradesh, and Jammu and Kashmir).



4. ECONOMICS

4.1 REPORTS AND INDICES

Trends in World Military Expenditure, 2023 Report

- Trends in World Military Expenditure, 2023 Report was recently released by the Stockholm International Peace Research Institute (SIPRI).

Key Findings

- India was the **fourth largest spender** globally in 2023 with **military expenditure** worth **\$83.6 billion in 2023**.
- India's spending was increased by **4.2 per cent** from 2022 and by **44 per cent** from 2014.
- As per the report the five biggest spenders in 2023 are
 - **United States**
 - **China**
 - **Russia**
 - **India**
 - **Saudi Arabia**

State of the Climate in Asia 2023 report

- The World Meteorological Organization recently released the 'State of the Climate in Asia 2023' report.

Key Findings

- The report states that **Asia** has warmed faster than the **global average**.
- The warming trend has nearly doubled since the **1961-1990 period**.
- **Asia** faced **most number of disasters** in the world.
- **79 events** associated with extreme weather, climate, and water-related hazards occurred in **2023** in Asia.
- It affected over nine million people in **Asia** directly killing over **2,000 people**.



5. SCIENCE

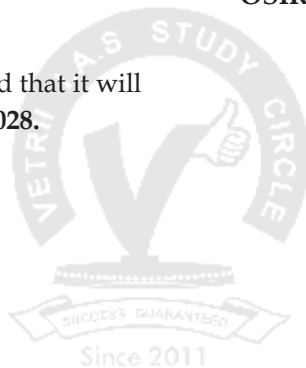
5.1 SPACE

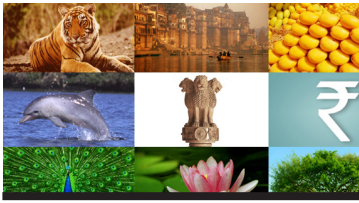
Gaia-BH3

- Astronomers at the European Space Agency (ESA) have recently identified the biggest stellar black hole, named **Gaia BH3**.
- It was discovered in the **Milky Way**.
- It has **33 times** the **mass of the Sun**.
- It was detected during data collection from ESA's **Gaia mission**.
- The mission will be sent to **Saturn's massive moon Titan**.
- It is the **fourth mission** under NASA's New Frontiers Program.
- The other three are
 - **New Horizons**
 - **Juno**
 - **OSIRIS-Rex (also OSIRIS-APEX)**

Dragonfly mission

- The **NASA** has recently announced that it will launch its **Dragonfly mission in 2028**.





6. NATIONAL – DIARY OF EVENT

Kasturi Cotton

- The union government is planning to set up dedicated labs for testing high-grade cotton in Maharashtra, Tamil Nadu, Haryana, Punjab, Gujarat and Karnataka.
- The move aims to establish the **Indian Kasturi cotton** as a global brand.

About Kasturi Cotton

- It is a collaborative effort involving the **Ministry of Textiles, the Cotton Corporation of India**, trade bodies, and the textile industry.
- It aims to strength India's competitiveness in the global cotton market.

18 GW renewable energy produced

- According to the latest data of the **Ministry of New and Renewable Energy**, India has added a **renewable energy capacity** of 18.48 GW in 2023-24.
- However, India needs to add at least 50 GW of renewable energy capacity annually for the next six years to meet the ambitious target of **500 GW of renewable energy by 2030**.
- As of March 31, 2024, India's installed renewable energy capacity is **143.64 GW**

KIA named best of regional airport in South Asia

- The **Kempegowda International Airport (KIA)** has been awarded the **Best Regional Airport in India and South Asia** at the **2024 Skytrax World Airport Awards**.
- KIA's **Terminal 2** also secured **second position** as the **World's Best New Airport Terminal**.

Note

- **Terminal 2** has also received the **UNESCO Prix Versailles World's Most Beautiful Airport** award.

Shompen tribe cast their votes for first time

- The **7 members of the Shompen tribe in Andaman and Nicobar Islands** cast their vote for the first time in the Lok Sabha election.
- Shompen tribe is a **particularly vulnerable tribal group (PVTG)** of Great Nicobar Islands.

Note

- Andaman and Nicobar Islands has a **single Lok Sabha constituency**.

ISHAN Initiative

- India has recently launched the **Indian Single Sky Harmonized Air Traffic Management at Nagpur (ISHAN) Initiative**.
- Under the initiative, India is planning to unify its four airspace regions at **Delhi, Mumbai, Kolkata, and Chennai**, and a **sub-flight information region at Guwahati**.
- It will streamline and enhance **air traffic management**.
- Indian airspace covers over **2.8 million square nautical miles** which is controlled through **four flight information regions (FIRs)**

Climate Strategy 2030

- **National Bank for Agriculture and Rural Development (NABARD)** recently unveiled the **Climate Strategy 2030** document.
- The document aims to address India's need for **green financing**.
- India requires approximately **\$170 billion** annually to reach a cumulative total of over **\$2.5 trillion by 2030**.
- The current **green finance** inflows are critically insufficient.



7. INTERNATIONAL AFFAIRS

Heavy Flood in Dubai

- The Dubai recorded the heaviest rain after a severe thunderstorm hit the country.
- The primary reason for these heavy rains was a storm system, which was passing through the **Arabian peninsula** and moving across the **Gulf of Oman**.
- However the rains have been exacerbated by cloud seeding process.

About Cloud seeding

- **Clouds** are usually injected with salts like **silver iodide, potassium iodide, or sodium chloride**, which is the '**seed**'
- They are dispersed into the cloud either using **aircraft or through ground based cannons**.





8. TAMILNADU AFFAIRS

TN tops in electronics exports

- Tamil Nadu has ranked No.1 in terms of electronic goods exports for the financial year 2023-2024 according to the National Import-Export Record for Yearly Analysis of Trade.
- TN's total exports for the financial year 2023-2024 stood at \$9.56 billion.
- Karnataka and Uttar Pradesh ranked second and third respectively.

TN closer to elimination of filariasis

- Tamil Nadu is at the brink of eliminating lymphatic filariasis.
- Tamil Nadu is the only State in the country to successfully attain a microfilaria (Mf) rate of below one per cent.
- Two to three decades ago TN was one of the nine States that contributed to 95% of the total burden of lymphatic filariasis in India.

Note

- Lymphatic filariasis is a neglected tropical disease.
- The disease also known as elephantiasis, is a human infection that is caused by the transmission of parasites called filarias through mosquitoes.

Pulicat Bird Sanctuary

- The Tamil Nadu government is planning to denotify a sizeable area of the Pulicat bird sanctuary.
- Patta land in 13 revenue villages which is located inside the biodiversity-rich area may be excluded from the sanctuary under the Wildlife (Protection) Act of 1972.

About Pulicat lake

- It is located along the coast of Bay of Bengal at the border of Andhra Pradesh and Tamil Nadu.
- It is the second largest brackish water lake in India after Lake Chilika in Odisha.

TN State Affairs 150 girls receive HPV Vaccine

- Nearly 150 girls, aged nine to 14 years, received the first dose of Human Papillomavirus (HPV) vaccine under Tamil Nadu's first HPV vaccination initiative.
- The initiative was launched at Adyar Cancer Institute's screening centre at Villupuram Government Hospital.

Note

- Cervical cancer is mainly caused by Human Papilloma Virus (HPV).

Nilgiri Tahr

- Tamil Nadu government is planning to conduct a synchronised survey of Nilgiri Tahr from April 29.
- The survey will be done to estimate the population of the Nilgiri Tahr (Nilgiritragus hylocrius) and to remove it from the endangered status.
- According to a report released by the World Wildlife Fund India in 2015 there are around 3,000 Tahrs in the Western Ghats.

About Niligiri Tahr

- State animal of Tamil Nadu.
- IUCN Status - Endangered.
- It is protected under Schedule-I of the Wild Life (Protection) Act, 1972.

- **Project Nilgiri Tahr** was launched in **October 12, 2023**.

Liquid Nitrogen

- The **Tamil Nadu Food Safety department** has issued an order on the use of **liquid nitrogen** recently.
- The department stated that enforcement action will be taken as per **Food Safety and Standards Act 2006** against any **Food Business Operator** who is using liquid nitrogen for direct consumption along with food items.
- As per the order the liquid nitrogen should be fully evaporated from the food or drinks before serving.

About Liquid Nitrogen

- **Liquid nitrogen** is formed when nitrogen is cooled to temperatures far below zero.

Canal Project

- The T.N. government has accorded sanction for **phase II** of renovation of the **Grand Anicut Canal** system at a cost of **Rs.447** crore.

About Grand Anicut Canal

- It is a man made canal
- It is also known as Puthu Aru or Kallanai Canal
- The canal was designed by British Engineer Colonel **W.M.Ellis** on the request of **C.P.Ramaswami Iyer, the Diwan of Travancore**.
- It serves as a source of irrigation for **Thanjavur** and **Pudukottai** districts.

Elephant corridors

- The committee which was constituted by the Tamil Nadu government to identify elephant corridors in the State has identified **42 corridors**.
- The **Project Elephant** division of the **Ministry of Environment, Forest, and Climate Change** in 2023 had identified 20 corridors.

Note

- Committee Chairman - **V. Naganathan**
- **Members** - Officers of the Forest Department scientific experts, and scientific and conservation organisations.

