

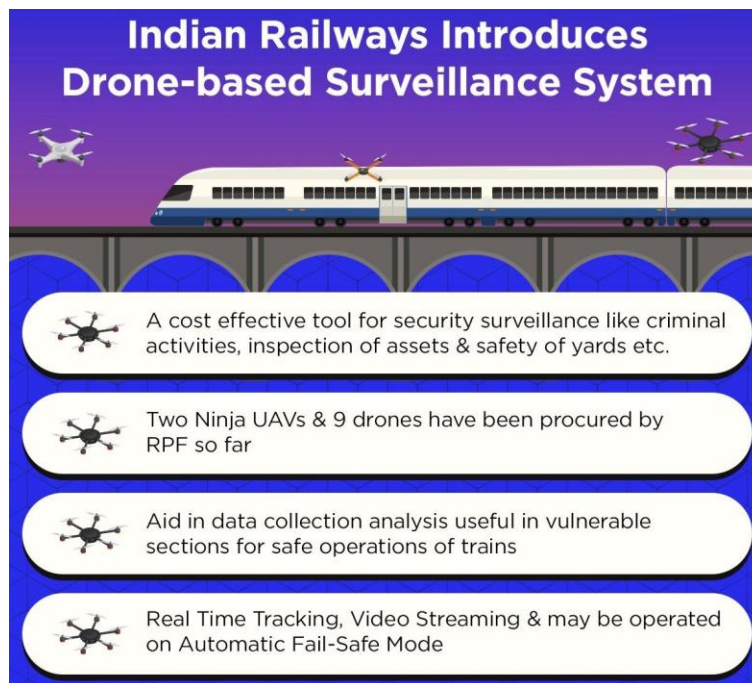
August - 28

TNPSC BITS

- ❖ The Union Ministry for Road Transport, Highways has set out with an objective of “achieving zero road fatalities by 2030”.
- ❖ The Centre decided to increase the sugarcane Fair and Remunerative Price (FRP) by Rs 10 to Rs 285 per quintal for the marketing year starting October 2020.
- ❖ Women’s Equality Day is celebrated on August 26 to mark the Nineteenth Amendment which granted women the right to vote in USA.
- ❖ The island chain in Maldives, recorded the highest amount of microplastic pollution on its beaches and in waters near shore.

NATIONAL

Drone based Surveillance System



Indian Railways Introduces Drone-based Surveillance System

- ❖ A cost effective tool for security surveillance like criminal activities, inspection of assets & safety of yards etc.
- ❖ Two Ninja UAVs & 9 drones have been procured by RPF so far
- ❖ Aid in data collection analysis useful in vulnerable sections for safe operations of trains
- ❖ Real Time Tracking, Video Streaming & may be operated on Automatic Fail-Safe Mode

- ❖ The Ministry of Railways announced that the drone-based surveillance system is to be introduced for the purpose of railway security.
- ❖ The drones are to be implemented in Central Railway, South Eastern Railway and South Western Railway.
- ❖ In order to implement the surveillance, the Ministry has procured Ninja UAV.

- ❖ These drones are capable of video streaming and real time tracking.

National Commission on Population

- ❖ The National Commission on Population submitted its report on population projections for the period of 2011-36.
- ❖ The commission was set up by Ministry of Health and Family Welfare.

Highlights

- ❖ The report says that the sex ratio of the country is to increase from 943 (2011) to 957 (2036).
- ❖ The population of India is to reach 1.52 billion by 2036 with reference to 2011.
- ❖ India's population is expected to grow by 25% in 2036 as compared to 2011.
- ❖ Between 2011 and 2021, the population growth rate will be 12.5%.
- ❖ It is to decrease further to 8.4% in 2021-31.
- ❖ By 2031, India will overtake China and will be the most populous country in the world.
- ❖ Bihar and UP also have the highest Total Fertility rates 3.5 and 3.7 respectively.
- ❖ Between 2001 and 2011, Bihar and Uttar Pradesh were the major net-out migration states.
- ❖ At the same time, Gujarat, Maharashtra, Delhi and Haryana had positive in-migration.
- ❖ The southern states Karnataka, Kerala, Andhra Pradesh, Tamil Nadu is projected to account to only 9% of population growth.
- ❖ The report projects that urban population in the country is to increase to 57% in 2036.
- ❖ Kerala could become the only Indian state to have life expectancy above 80 for women and 74 for men by 2036.

INTERNATIONAL

World Conference of Speakers of Parliament

- ❖ The Lok Sabha Speaker Om Birla attended the fifth World Conference of Speakers of Parliament.
- ❖ The conference was organized by Parliament of Austria and Inter-Parliamentary Union, Geneva with the support of United Nations.



- ❖ Theme: Parliamentary leadership for more effective multilateralism that delivers peace and sustainable development for the people and the planet

6th Round Table of ASEAN-India network of think tanks

- ❖ The sixth-round table of ASEAN-India network of think tanks has been held through video conference.
- ❖ The theme of the round table was "ASEAN-India: Strengthening Partnership in the Post COVID Era".
- ❖ This is comprising think tanks, policy makers, scholars, media and business representatives.
- ❖ It was established at the 7th ASEAN-India Summit in Thailand - 2009 to provide policy inputs to Governments on future direction of cooperation.

Supply Chain Resilience Initiative

- ❖ The Supply Chain Resilience Initiative first proposed by Japan.
- ❖ The initiative aims to reduce the dependency in China.
- ❖ Japan is to be joined by India and Australia.
- ❖ It is a direct response to companies that are concerned about Chinese political behaviour and disruption to supply chain.
- ❖ Their geographic locations value the triangular approach to Indo-Pacific Diplomacy.

SCIENCE AND TECHNOLOGY

First Rockets Produced by Private Sector

- ❖ The first ever Pinaka rockets fully manufactured by the private sector company "Economic Explosives Ltd (EEL)" have been successfully test fired at Pokhran.
- ❖ These rockets have been manufactured on the lines of the transfer of technology (ToT) agreement between DRDO and private sector.
- ❖ The Pinaka is a home developed multi barrel rocket launcher system that is already in service with the Indian Army.

Iran's new Missiles

- ❖ Iran has inaugurated a following locally made surface-to-surface ballistic missiles.

- Martyr Qassem Soleimani- range of 1,400 km
- New cruise missile, called Martyr Abu Mahdi - range of over 1000 km.
- ❖ The surface-to-surface ballistic missile is named after Iran's most powerful military commander, General Qassem Soleimani.
- ❖ The new cruise missile is named after Iraqi militia commander Mujahideen Abu Mahdi al-Muhandis.
- ❖ Both were killed in an American drone airstrike at Baghdad International Airport in Iraq in January 2020.


STATES

Revamp of Lingaraj Temple

- ❖ The Odisha government has decided to give a facelift to the 11th century Lingaraj Temple, akin to its pre-350-year structural status.
- ❖ Further, the government is planning a barrier-free access between the Temple and Bindusagar lake.
- ❖ Lingaraj Temple, built in 11th century AD, is dedicated to Lord Shiva and is considered as the largest temple of the city Bhubaneswar.

INTRODUCTION

- **LOCATION:** Bhubaneswar, Orissa
- **BUILT BY:** Jajati Keshari
- **BUILT IN:** 11th century
- **DEDICATED TO:** Harihar (a form of Shiva & Vishnu)
- **ARCHITECTURE STYLE:** Kalinga Architecture
- **MATERIAL USED :** Laterite stone
- **TOTAL AREA:** 1049.66 sq m



PERSONALITIES, AWARDS, AND EVENTS

Millennium Alliance Round 6 & COVID19 Innovation Challenge-Award

- ❖ It awarded 49 innovative solutions in 5 focus sectors of India.

- ❖ Also, 16 innovators were awarded in the category COVID 19 Innovation Challenge.
- ❖ The 5 focus sectors in India's are Education, Health, Clean Energy, Water & Sanitation, Agriculture.
- ❖ These awarded innovations were selected after a rigorous evaluation process undertaken by FICCI with the help of the program partners and subject matter experts.

