

28 September 2019: PIB Summary & Analysis

INS 'Nilgiri' Launched

Context

- Raksha Mantri launched INS 'Nilgiri', the first of the Navy's seven new stealth frigates, at Mazagon Dock Shipbuilders Limited in Mumbai.

About INS Nilgiri

- INS Nilgiri is the first ship of Project 17A. Project 17A frigates is a design derivative of the Shivalik class stealth frigates with much more advanced stealth features and indigenous weapons and sensors.
- The P17A frigates incorporate new design concepts for improved survivability, sea keeping, stealth and ship manoeuvrability.

Significance

- A vibrant shipbuilding industry can play a major role in the overall economic development of the country.
- Shipbuilding is a labour-intensive industry with tremendous potential for employment generation, not only in its own sector but also in various upstream and downstream industries.
- Construction of one frigate (INS 'Nilgiri') itself provided direct employment to 4,800 personnel and indirect employment to around 27,000 personnel for a period of 8 years.
- Almost 87% of the total warship cost is invested in the Indian economy which significantly contributes to nation-building.

President's Colours Award

Context

- The Hon'ble President of India Shri Ram Nath Kovind awarded the President's Colours to the Corps of Army Air Defence at Gopalpur Military Station.

About the award

- The President's Colours is the highest honour bestowed upon a regiment of the armed forces in recognition of their invaluable contribution to the security of the nation during peace and hostilities.

Raksha Mantri commissions submarine INS Khanderi

Context

- Raksha Mantri Shri Rajnath Singh commissioned indigenously built submarine INS Khanderi in Mumbai.

INS Khanderi

- The name Khanderi is inspired by the dreaded 'Sword Tooth Fish' a deadly fish known to hunt whilst swimming close to the bottom of the ocean. Khanderi is also the name of an island fort built by great Maratha ruler Chhatrapati Shivaji Maharaj.
- INS Khanderi is the second of Kalvari Class diesel-electric attack submarines of the Indian Navy. It has been built in India to the French Scorpene design and is the second submarine of the Project-75.
- Built indigenously by Mazagon Dock Shipbuilders Limited, INS Khanderi is a lethal addition to Navy's conventional submarine arsenal and is designed for silent and stealthy sub-surface operations.
- INS Khanderi is the follow-on to INS Kalvari, which was the first of the French origin Scorpene-class submarines being indigenously constructed in India and commissioned by the Prime Minister in 2017.

Pilot Project for ushering in 'Industry 4.0'

Context

- A Pilot Project for ushering in 'Industry 4.0' in the country, is launched for implementation at the Modern Coach Factory (MCF), Raebareli.

What is 'Industry 4.0'?

- 'Industry 4.0' commonly referred to as the fourth industrial revolution, is a name given to the current trend of automation, interconnectivity and data exchange in manufacturing technologies to increase productivity.

- Industry 4.0 is a complex Cyber-Physical Systems which synergizes production with digital technologies, the Internet of Things, Artificial Intelligence, Big Data & Analytics, Machine Learning and Cloud Computing.
- Therefore, the architecture to be conceptualized and formulated in MCF initially would be gradually expanded in a phased manner to encompass all complexities that constitute Industry 4.0 in all manufacturing spheres in the country.
- Full transition to the digital factory using 'Industry 4.0' across entire value chain from design to production will help enhance productivity hugely by providing insight into production process and also make the decisions in real-time basis.
- This will also help in minimizing human errors by effective monitoring to ensure that resources are put to the best utilization measured by, what is called the Overall Equipment Effectiveness (OEE).
- Such a National Policy for Advanced Manufacturing envisages that manufacturing sector should contribute at least 25% to GDP.
- All over the world, countries who have been able to achieve phenomenal growth, could do that with the advent of rapid strides in manufacturing sector. This initiative in Railways may have wider ramifications to spur growth in defence production as well as in private manufacturing sector also.

To read more about Fourth Industrial Revolution: [Click Here](#)