

Make In India Defence

Why in News?

- A study by the **Stockholm International Peace Research Institute (SIPRI)** found that India ranks **fourth** among **12 Indo-Pacific nations** in self-reliant arms production capabilities.

About Defence industry in India:

- **Imports:** India has been ranked as the **second largest importer** of arms for its armed forces in 2016-20. India is dependent highly on **foreign imports**.
- Many of the **required arms** are produced under **licence** or as **components** for its domestic production.
- **Domestic production:** Domestic arms companies supply about **16 per cent** of its total procurement. **Local production** along with **licensed production** has pushed India to **fourth** position in the list.
- **Domestic companies:** **Hindustan Aeronautics Ltd, Bharat Electronics, Indian Ordnance Factories, Mazagaon Docks and Cochin Shipyard** are some of the major Indian arms servicing companies.
- **Ashok Leyland** is the only company ranked in the **top 50** in the Indo-Pacific.
- **Maritime projects:** **Larsen & Toubro** has been developing **AUV prototypes** on its own and in collaboration with **foreign partners**.
- **Central Mechanical Engineering Research Institute** is considering development of **AUV prototypes**.

Highlight of Report

Australia, China, India, Indonesia, Japan, South Korea, Malaysia, Pakistan, Singapore, Taiwan, Thailand and Vietnam were the countries selected for the study.

- These countries have the **highest military spending** in the region.
- **China** occupies the top place, **Japan** is second, **South Korea** is in third place, and **Pakistan** is at number 8. Self-reliance of countries is measured **until 2020**.
- The study makes use of **three indicators** of self reliance in each country:
 - **Arms procurement:** Importing, licensing and domestically producing arms as a **proportion of the government's total procurement**.
 - **Arms industry:** A study on the **five largest arms companies** in each country, ranked based on **sales of arms and military services** in 2020 to both **domestic and export customers**.
 - **Uncrewed maritime vehicles:** It covers both **uncrewed surface vehicles (USVs)** and **uncrewed underwater vehicles (UUVs)**. The study provides a **qualitative understanding** of how countries are engaging **domestic research institutes and firms** to produce such **cutting edge systems**.

ARMS EXPORTS & IMPORTS; MILITARY SPENDING IN INDO-PACIFIC REGION

Country	Exporter rank*	Importer rank*	Largest supplier**	Military Spending 2021***	Spending rank****
Australia	3	2	US (69%)	31,754	5
China	1	3	Russia (77%)	293,352	1
India	4	1	Russia (54%)	76,598	2
Indonesia	5	8	US (23%)	8,259	9
Japan	14	6	US (97%)	54,124	3
South Korea	2	4	US (58%)	50,227	4
Malaysia	NA	16	Spain (32%)	3,830	13
Pakistan	13	5	China (72%)	11,305	8
Singapore	7	9	France (43%)	11,115	7
Taiwan	12	15	US (100%)	12,958	6
Thailand	15	10	South Korea (25%)	6,605	10
Vietnam	11	7	Russia (66%)	5,500*****	NA

Stockholm International Peace Research Institute (SIPRI):

- SIPRI is an independent **international institute** dedicated to research into **conflict, armaments, arms control and disarmament**.
- **Vision/ objective:**
 - It aims to establish a world in which sources of **insecurity** are **identified** and **understood**, conflicts are **prevented** or resolved, and **peace** is sustained.
- **Mission:**
 - Carry out **research and activities** on security, conflict and peace;
 - providing **policy analysis** and recommendations;
 - promote **dialogue and build capacities**;
 - ensure **transparency and accountability**;
 - provide **authoritative information** to global audiences.