

USA's sanction on Turkey over S-400

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In news

Recently, The USA has imposed sanctions on Turkey over its acquisition of Russian S-400

About S-400 Triumph(NATO calls it SA-21 Growler)

- The S-400 is a **mobile, surface-to-air missile system (SAM) designed by Russia.**
- It is the most dangerous operationally deployed modern **long-range SAM (MLR SAM)** in the world, considered much **ahead of the US-developed Terminal High Altitude Area Defense system (THAAD).**
- It can **engage all types of aerial targets including aircraft, unmanned aerial vehicles (UAV and ballistic and cruise missiles** within the range of 400km, at an altitude of up to 30km.
- S-400 can **track 100 airborne targets** and engage six of them simultaneously.
- It represents **the fourth generation of long-range Russian SAMs,** and the successor to the S-200 and S-300.
- The S-400's mission set and capabilities are roughly comparable to the famed US Patriot system.
- This system integrates a **multifunction radar, autonomous detection and targeting systems, anti-aircraft missile systems, launchers,** and command and control centre. It is capable of firing three types of missiles to create a layered defence.
- The S-400 is two-times more effective than previous Russian air defence systems and can be deployed within five minutes.
- It can also be integrated into the existing and future

- air defence units of the Air Force, Army, and the Navy.
- The first S-400 systems became operational in 2007 and is responsible for defending Moscow.
 - It has been deployed in Syria in 2015, to guard Russian and Syrian naval and air assets.
 - Russia has also stationed S-400 units in Crimea to strengthen Russia's position on the recently annexed peninsula.

India's acquisition of S-400

- In October 2015, Defence Acquisition Council considered buying 12 units of S-400 for its defence needs. But agreed for five only.
- India is set to purchase S-400 Triumf air defence missile systems from Russia and by 2023 these systems would be delivered to India.
- The IAF's air defence missiles can currently only engage targets 40 km away.
- The S-400 more than quadruples the IAF's missile reach.
- The contract worth \$5.43 billion to acquire S-400 Triumf was signed during the visit of President Putin to India in 2018.