

GOVERNMENT OF INDIA
MINISTRY OF DEFENCE
DEPARTMENT OF DEFENCE PRODUCTION
LOK SABHA
UNSTARRED QUESTION NO. 4964
TO BE ANSWERED ON 1ST APRIL, 2022

INDUSTRY LED DESIGN AND DEVELOPMENT IN DEFENCE SECTOR

4964. SHRI RAHUL RAMESH SHEWALE:
DR. PRITAM GOPINATHRAO MUNDE:
SHRI GIRISH BHALCHANDRA BAPAT:
SHRI CHANDRA SEKHAR SAHU:

Will the Minister of Defence be pleased to state:

- (a) whether the Government has identified major platforms for industry led Design and Development in Defence sector;
- (b) if so, the details thereof along with the criteria fixed for identification of such platforms;
- (c) the details of the support likely to be extended by the Government to such platforms along with the criteria fixed for such assistance;
- (d) whether the indigenous development of these projects will help harness the design capabilities of domestic defence industry and position India as a design leader in these technologies; and
- (e) if so, the details thereof?

A N S W E R

MINISTER OF STATE
IN THE MINISTRY OF DEFENCE

(SHRI AJAY BHATT)

(a) to (e): Yes, Sir. In continuous pursuit of self-reliance in defence manufacturing under 'Aatmanirbhar Bharat Abhiyan' and in sync with the announcement in the Union Budget 2022-23 that allocated 25% of Defence R & D Budget for industry led R & D, 18 (eighteen) major platforms have been identified and announced by the Ministry of Defence for industry led Design & Development under various routes prescribed in Defence Acquisition Procedure-2020, namely, Make-I, Make-II, Special Purpose Vehicle (SPV) and Innovations for Defence Excellence (iDEX). These Platforms have been identified after extensive consultations with the Services, DRDO and the Industry. The details of these 18 (eighteen) Platforms are given at Annexure.

These major Platforms for industry led design and development in defence sector have been identified taking into consideration the capabilities of Indian industry being cost effective, faster and scalable; technological advancements; requirement of future warfare; operational challenges; need of import substitution etc.

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (e) OF LOK SABHA UNSTARRED QUESTION NO. 4964 DUE FOR REPLY ON 01.04.2022 REGARDING 'INDUSTRY LED DESIGN AND DEVELOPMENT IN DEFENCE SECTOR'.

Make-I

1. Hypersonic Glide Vehicle
2. Directed Energy Weapons (300 KW and more) [High Powered Electromagnetic Devices and High Powered Laser Devices]
3. Naval Ship Borne Unmanned Aerial System (NSUAS)
4. Light Weight Tank
5. Self-Healing Mine Fields
6. Unmanned Autonomous AI Based Land Robot
7. 127 mm Naval Gun
8. 127 mm Guided Projectile
9. Electric Propulsion (Engines) for Ships
10. Standoff Airborne Jammer
11. Li-ion Cells/ Li-Sulphur Cells [Portable High Capacity Energy Systems replacing the Conventional Hydrocarbons]
12. Communication System (AFNET System Switches, routers, Encryptors & VOIP phones)
13. Electro Optical (EO) Pod (with subsequent upgrade to EO/IR) with high resolution sensing
14. 'Plug and Play' Housing/ Infrastructure for soldiers posted at extreme altitudes.

Special Purpose Vehicle (SPV) Model

15. Long Range Unmanned Aerial Vehicles (UAVs) [High Altitude Long Endurance (HALE)]
16. Indian Multi Role Helicopter (IMRH)

iDEX

17. Low Orbit Pseudo Satellites

Make-II

18. Anti-jamming Systems for Multiple Platforms
