

**Indigenization of defence production under ABA**

30. SHRI SUSHIL KUMAR GUPTA: Will the Minister of DEFENCE be pleased to state:

(a) whether it is a fact that the Ministry has introduced "import embargo" on 101 items, beyond given timelines to boost indigenization of defence production under 'Atmanirbhar Bharat Abhiyan' (ABA);

(b) if so, the details thereof;

(c) whether there is any coordinated mechanism for hand holding of the Indian defence industry by the Defence Services; and

(d) if so, the steps that have been taken so far in this regard and the worth of contracts given so far?

THE MINISTER OF STATE IN THE MINISTRY OF DEFENCE (SHRI SHRIPAD YESSO NAIK): (a) and (b) Yes, Sir. Import embargo has been issued on 101 Defence Weapons/Platforms to provide impetus to self-reliance in defence manufacturing as part of 'Atmanirbhar Bharat Abhiyan'. A list of such items are available in the website of Ministry of Defence namely *www.mod.gov.in* and given in the Statement-I (See below).

(c) and (d) Details are given in the Statement-II.

***Statement-I******List of 101 Defence Weapons/Platforms notified for Import Embargo***

| Sl. No. | Name of Platform/Weapon/<br>System/Equipment | Indicative<br>Year- Import<br>Embargo |
|---------|--|---------------------------------------|
| 1       | 2  | 3                                     |

**With effect from Dec. 2020**

|    |   |           |
|----|---|-----------|
| 1. | 120mm Fin Stabilised Armour Piercing Discarding Sabot (FSAPDS) Mark II Ammunition | Dec. 2020 |
| 2. | 7.62x51 Sniper Rifle  | Dec. 2020 |
| 3. | Tracked Self Propelled (SP) Gun (155mm x 52 Cal)                                  | Dec. 2020 |

| 1   | 2   | 3         |
|-----|---|-----------|
| 4.  | Short Range Surface to Air Missiles (Land variant)  | Dec. 2020 |
| 5.  | Shipborne Cruise Missiles (>290 km)   | Dec. 2020 |
| 6.  | Multi Barrel Rocket-Launcher (MBRL) (Pinaka Variant)  | Dec. 2020 |
| 7.  | Simulators Presenting SmartRanges" And Multi- Function Targets                                      | Dec. 2020 |
| 8.  | Battalion Support Weapons Simulators  | Dec. 2020 |
| 9.  | Container-based Simulators for Live Fire Training   | Dec. 2020 |
| 10. | Tailor-made Simulators for Counter Insurgency (CI)/Counter Terrorism (CT) based Training            | Dec. 2020 |
| 11. | Force-on-force Live Tactical Simulators/Infantry Weapon   | Dec. 2020 |
| 12. | Tank Simulators (driving, as well as, crew gunnery)   | Dec. 2020 |
| 13. | 155mm/39 Cal Ultra-Light Howitzer   | Dec. 2020 |
| 14. | Successor of Flycatcher & Upgraded Super Fledermaus (USFM) / Air Defence Fire Control Radar (ADFCR) | Dec. 2020 |
| 15. | Component Level Repair Facility for Tank T-90   | Dec. 2020 |
| 16. | Shipborne Close in Weapon System  | Dec. 2020 |
| 17. | Bullet Proof Jackets  | Dec. 2020 |
| 18. | Ballistic Helmets   | Dec. 2020 |
| 19. | Missile Destroyers  | Dec. 2020 |
| 20. | Multi-Purpose Vessel  | Dec. 2020 |
| 21. | Offshore Patrol Vessel  | Dec. 2020 |
| 22. | Next Generation Missile Vessels   | Dec. 2020 |
| 23. | Anti-Submarine Warfare Shallow Water Crafts   | Dec. 2020 |
| 24. | Water Jet Fast Attack Craft   | Dec. 2020 |
| 25. | Ammunition Barges   | Dec. 2020 |
| 26. | 50ton Bollard - Pull Tugs   | Dec. 2020 |
| 27. | Survey Vessels  | Dec. 2020 |

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| 1   | 2  | 3          |
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| 28. | Floating Dock  | Dec. 2020  |
| 29. | Diving Support Vessels   | Dec. 2020  |
| 30. | Pollution Control Vessels  | Dec. 2020  |
| 31. | Anti-Submarine Rocket Launchers                                      | Dec. 2020  |
| 32. | Shipborne Medium Range Gun (<76 mm)                                  | Dec. 2020  |
| 33. | Torpedo Tube Launcher for Light Weight Torpedoes                     | Dec. 2020  |
| 34. | Magneto - Rheological Anti Vibration Mounts                          | Dec. 2020  |
| 35. | All variants of Depth Charges  | Dec. 2020  |
| 36. | Shipborne Sonar System for Large Ships                               | Dec. 2020  |
| 37. | Hull Mounted Submarine Sonar   | Dec. 2020  |
| 38. | Short Range Maritime Reconnaissance Aircraft                         | Dec. 2020  |
| 39. | Anti-Submarine Rocket  | Dec. 2020  |
| 40. | Shipborne Chaff Rockets  | Dec. 2020  |
| 41. | Shipborne Chaff Rocket Launcher                                      | Dec. 2020  |
| 42. | Integrated Ship's Bridge System                                      | Dec. 2020  |
| 43. | Light Combat Aircraft (LCA) MK I A - Enhanced<br>Indigenised Content | Dec. 2020  |
| 44. | Light Combat Helicopters   | Dec. 2020  |
| 45. | General Purpose Pre Fragmentation Bombs between<br>250-500 Kg.       | Dec. 2020  |
| 46. | Radar Warning Receiver (RWR) for Transport Aircraft                  | Dec. 2020  |
| 47. | Ground Based Mobile ELINT System                                     | Dec. 2020  |
| 48. | Transport Aircraft (Light)   | Dec. 2020  |
| 49. | GSAT-6.Satellite Terminals   | Dec. 2020  |
| 50. | Aerial Delivery Systems for Transport Aircraft                       | Dec. 2020  |
| 51. | Digital Tropo Scatter/LOS Communication System                       | Dec. 2020. |

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| 1                                 | 2   | 3         |
|-----------------------------------|---|-----------|
| 52.                               | Low Level Transportable Radar   | Dec. 2020 |
| 53.                               | CBRN Detection & Monitoring System  | Dec. 2020 |
| 54.                               | CBRN Dec.ontamination & Protection System   | Dec. 2020 |
| 55.                               | Parachute Tactical Assault (PTA)- G2  | Dec. 2020 |
| 56.                               | Dragunov Upgrade System   | Dec. 2020 |
| 57.                               | PKMG Upgrade System   | Dec. 2020 |
| 58.                               | Simulators for A Vehicles/B Vehicles  | Dec. 2020 |
| 59.                               | Simulators for Towed and Self Propelled Guns of Air Defence                               | Dec. 2020 |
| 60.                               | Simulators for Correction of Fire by Observers  | Dec. 2020 |
| 61.                               | Military trucks of 4x4 and above variants: 12x12, 10x10, 8x8, 6x6                         | Dec. 2020 |
| 62.                               | Fixed Wing Mini UAVs  | Dec. 2020 |
| 63.                               | 500 Ton Self Propelled Water Barges   | Dec. 2020 |
| 64.                               | Software Defined Radio (TAC) for IN   | Dec. 2020 |
| 65.                               | Next Generation Maritime Mobile Coastal Battery (Long Range)                              | Dec. 2020 |
| 66.                               | Advance Landing Ground Communication Terminals (ALGCTs) for ALGs                          | Dec. 2020 |
| 67.                               | Field Artillery Tractor (FAT) 6X6 for Medium Guns   | Dec. 2020 |
| <b>With effect from Dec. 2021</b> |   |           |
| 68.                               | Towed Artillery Gun (155mm × 52 Cal)  | Dec. 2021 |
| 69.                               | Wheeled Armoured Fighting Vehicle (AFV)   | Dec. 2021 |
| 70.                               | Light Machine Gun   | Dec. 2021 |
| 71.                               | 125 mm Fin Stabilised Armour Piercing Discarding Sabot (FSAPDS) New Generation Ammunition | Dec. 2021 |
| 72.                               | Assault Rifle 7.62 x 39mm   | Dec. 2021 |

| 1                        | 2   | 3         |
|--------------------------|---|-----------|
| 73.                      | 30 mm Ammunition for Infantry Fighting Systems              | Dec. 2021 |
| 74.                      | Mine Fragmentation  | Dec. 2021 |
| 75.                      | Mine Anti-tank  | Dec. 2021 |
| 76.                      | Mine Anti-Personnel Blast                                   | Dec. 2021 |
| 77.                      | Multipurpose Grenade  | Dec. 2021 |
| 78.                      | Inertial Navigation System for Ship Application             | Dec. 2021 |
| 79.                      | Conventional Submarines                                     | Dec. 2021 |
| <b>Dec. 2022 Onwards</b> |   |           |
| 80.                      | 40mm UBGL (Under Barrel Grenade Launcher)                   | Dec. 2022 |
| 81.                      | Lightweight Rocket Launcher                                 | Dec. 2022 |
| 82.                      | 155 mm Artillery Ammunition                                 | Dec. 2022 |
| 83.                      | EW Systems - Shipborne                                      | Dec. 2022 |
| 84.                      | Material Handling Crane 2.5 to 7.5 Tons (Vehicle Mounted)   | Dec. 2023 |
| 85.                      | GRAD BM Rocket  | Dec. 2023 |
| 86.                      | 30MM HEI/HET  | Dec. 2023 |
| 87.                      | ASTRA-MK I Beyond Visual Range Air to Air Missile (BVR AAM) | Dec. 2023 |
| 88.                      | EW Suit for MI-17 V5  | Dec. 2023 |
| 89.                      | Communication Satellite GSAT-7C                             | Dec. 2023 |
| 90.                      | Satellite GSAT 7R   | Dec. 2023 |
| 91.                      | Basic Trainer Aircraft (BTA)                                | Dec. 2023 |
| 92.                      | Expendable Aerial Targets (Land based)                      | Dec. 2024 |
| 93.                      | Small Jet Engines with 120kgf thrust                        | Dec. 2024 |
| 94.                      | Low Level Light Weight Radar (LLLWR) (Land based)           | Dec. 2024 |
| 95.                      | Close in Weapon System (Land based)                         | Dec. 2024 |
| 96.                      | 23 mm ZU Ammunitions  | Dec. 2024 |

| 1    | 2  | 3          |
|------|--|------------|
| 97.  | 30mm VOG 17                                | Dec. 2024  |
| 98.  | Electronic Fuses for Artillery Ammunitions | Dec. 2024  |
| 99.  | Bi- Modular Charge System (BMCS)           | Dec.. 2024 |
| 100. | High Power Radar (HPR) (Land based)        | Dec. 2025  |
| 101. | Long Range - Land Attack Cruise Missile    | Dec. 2025  |

***Statement-II***

*Measures initiated for handholding and facilitation of Indian Defence Industry*

In line with the Government's 'Atmanirbhar Bharat Abhiyan', several initiatives have been taken in the recent years to build a robust defence industrial ecosystem capable of meeting existing and future requirements of the Armed Forces. Measures instituted for hand holding and facilitation of the Indian defence industry to ensure realization-of the Negative Import List are enumerated in the succeeding paragraphs.

- (i) Innovation & Indigenization Organization. To provide impetus to indigenisation, the Indian Army has already set up Army Design Bureau, Indian Navy has established an Innovation & Indigenization Organization (IO) and the Air Force has set up Directorate of Indigenization. These organisations are mandated to undertake following tasks:-
  - (a) Be responsible for spearheading innovation and indigenization initiatives in the Services;
  - (b) Identify projects for indigenous design and development including import substitutions;
  - (c) Undertake advance planning and consultations with stakeholders including Indian industry;
  - (d) Facilitate conduct of feasibility study, which are conducted in conjunction with the industry and industry associations including MSME associations;
  - (e) Monitor formulation of Preliminary Services Qualitative Requirements (PSQRs) in consultation with potential development agencies;

- (ii) Project Facilitation Team: In addition, for MAKE category projects a Project Facilitation Team (PFT) acts as the primary interface with the industry during the design and development stage. The PFT assists in shortlisting Indian vendors for issue of Expression of Interest (EoI) based on the feasibility study. PFT also facilitates provisioning of trial range/test facilities and coordinate field evaluation trials.
- (iii) The MAKE II Category of procurement includes design & development of equipment/system/platform, their upgrades or components, ammunition/software, primarily for import substitution/innovative solutions by Indian vendor. Under this category industry is allowed to submit *suo-moto* proposals for indigenously designed and developed equipment based on requirements of the Services.
- (iv) Services undertake regular outreach with the industry and industry organizations with special attention to the MSMEs and Start-ups in form of Seminars, Workshops, Site-visits and Meetings to ensure there is clear understanding of the User Requirements, facilitation needed by the designer/developer to expand the scope of indigenisation as well as progress ongoing projects in a time bound manner.
- (v) Repair/ technical organizations integral to the Services, viz, the Army Design Bureau, Base Depots (Army), Directorate of Indigenization, Dockyards, Weapons and Electronics Systems Engineering Establishment and Base Repair Depots (IAF) also undertake indigenization.
- (vi) The negative list for Import embargo has been promulgated as on 21- Aug 20, with varied timelines with effect from December 2020.

**Ceasefire violations by Pakistan in J&K**

31. SHRI C.M. RAMESH: Will the Minister of DEFENCE be pleased to state:

- (a) the details of ceasefire violations by Pakistan in the Union Territory of Jammu and Kashmir (J&K) in recent months; and
- (b) the details of casualties and injuries suffered by the Indian forces and whether these ceasefire violations have been taken up with appropriate authority, if so, the details thereof?