

File No. DMA/JS (N)/2021/1/ANB
Government of India
Ministry of Defence
Department of Military Affairs

South Block, New Delhi
31st May 2021

OFFICE MEMORANDUM

1. In continuous pursuit of self-reliance in defence manufacturing as part of **Atmanirbhar Bharat**, a 2nd Positive Indigenisation List of weapons/platforms/systems/ammunition has been prepared with timelines and placed at **Appendix**.
2. It is hereby notified that these 108 items given in the 2nd Positive Indigenisation List will be procured from Indian industry after the timeline indicated in the List.
3. Users will work in close coordination with the production and manufacturing agencies to ensure strict adherence to the timelines.


(Piyush Ranjan)

Deputy Secretary to the Govt. of India

Encl: Annexure

To

All Ministries/Departments of the Government of India

Copy to:

1. PS to Raksha Mantri
2. PS to Raksha Rajya Mantri
3. DA to Secretary (DMA)
4. PPS to Defence Secretary /PPS to Secretary (DP)/PPS to Secretary (DRDO)
5. PPS to Secretary (Defence Finance)
6. DA to CISC/MA to VCOAS/NA to VCNS/AA to VCAS/ MA to AS (DMA)
7. JS (Army)/ JS (Navy)/ JS(Air)/ JS (Estt & Coord)/ JS(Works)

2ND POSITIVE INDIGENISATION LIST

With Effect from Dec 2021

SI No	Description	Indicative Year
1.	Helicopter with All Up Weight (AUW) \leq 3.5Ton (Single Engine Land Variant)	Dec 2021
2.	Wheeled Armoured Platform (WhAP) – CBRN	Dec 2021
3.	Next Generation Corvette	Dec 2021
4.	Mission System for Airborne Early Warning & Control (AEW&C) System	Dec 2021
5.	Mini UAV for Surveillance (Fixed Wing)	Dec 2021
6.	Tank Track Assembly	Dec 2021
7.	Tunguska Track Assembly	Dec 2021
8.	Light, Medium and Heavy Combat Armoured and/ or Mine Protected Vehicles for Infantry	Dec 2021
9.	Helicopter Launched ATGM upto 7 Km	Dec 2021
10.	Anti-Torpedo Decoy System for Ships (Mareech)	Dec 2021
11.	Remote Control Weapon Stations (7.62MM, 12.7 MM, 30MM, AGL & AGS) for Tanks	Dec 2021
12.	Shipborne High Accuracy ELINT system in 0.17 to 40 MHz	Dec 2021
13.	Bund Blasting Device	Dec 2021
14.	SDR for Combat Ships (SDR NC)	Dec 2021
15.	Border Surveillance System	Dec 2021
16.	Ship borne Surface Surveillance Radar (SSR)	Dec 2021
17.	Battlefield Surveillance Radar (BFSR) up to 10 KM	Dec 2021
18.	Through Wall imaging Radars	Dec 2021
19.	Portable Diver Detection Sonar	Dec 2021
20.	Sarvatra Kavach	Dec 2021
21.	Multi-Functional Display System (MFDS) for Indigenously Produced Aircraft	Dec 2021
22.	Counter Mine Flail (CMF) (Land Based)	Dec 2021
23.	Instant Fire Detection and Suppression System (IFDSS) for Tanks	Dec 2021
24.	Individual Underwater Breathing Apparatus (IUWBA) for Tanks	Dec 2021
25.	10 W Power Amplifier (L Band and X Band) for Tropo Upgradation	Dec 2021

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SI No	Description	Indicative Year
26.	2KW & 4KW Power Amplifiers (L Band) for Tropo Upgradation	Dec 2021
27.	LED Based Taxy, Landing & Navigation Lights	Dec 2021
28.	Main Switch Board and Power Distribution System for Ships	Dec 2021
29.	Steering Gear for Destroyers and Frigates	Dec 2021
30.	Alloy DMR 249A grade steel	Dec 2021
31.	Alloy DMR 291A	Dec 2021
32.	Land Based Medium Power Radar	Dec 2021
33.	Armoured Engineer Recce Vehicle (AERV)	Dec 2021
34.	Armoured Repair and Recovery Vehicle (ARRV)	Dec 2021
35.	Upgraded Integrated Air Command And Control System	Dec 2021
36.	Composite Sonar Dome for Ships	Dec 2021
37.	Processor Based Ground Mine (PBGm)	Dec 2021
38.	Processor Based Moored Mine (PBMM)	Dec 2021
39.	Battery Monitoring System (BMS) for Shishumar Class Submarines	Dec 2021
40.	Submarine Damage Control Fire Fighting and Training Facility (SDCFFTF)	Dec 2021
41.	Alternators for Ships (Up to 1.5 MW)	Dec 2021
42.	DC Insulation Measuring Instrument for EKM Submarines	Dec 2021
43.	High Altitude Water Purification System	Dec 2021
44.	Land Based MRSAM Weapon System	Dec 2021
45.	4x2 Armoured Command Post Vehicle	Dec 2021
46.	AC Plant for Submarines	Dec 2021
47.	Shipborne Refrigeration Plant for Cold/Cool Room	Dec 2021
48.	Shipborne Main Broadcast System	Dec 2021
49.	Pilot Parachute PSU-36 Series 4-3 with Retrieved Metal Components for SU-30	Dec 2021
<u>With Effect from Dec 2022</u>		
50.	SCME Clothing	Dec 2022
51.	SCME Equipment	Dec 2022
52.	Data Network for Ships	Dec 2022
53.	Trawl Assembly for Tanks	Dec 2022
54.	Upgraded Assault Track way (UATW)	Dec 2022

SI No	Description	Indicative Year
55.	Thermal Imaging (TI) sight for Small Arms (Aslt Rif, LMG,MMG & RL)	Dec 2022
56.	Image Intensifier (II) Sight for Small Arms (Aslt Rif, LMG, & CQB Carbine)	Dec 2022
57.	Day Sight for Small arms including Telescopic & Reflex sight (Aslt Rif, LMG & CQB carbine)	Dec 2022
58.	Deep search Mine Detectors (for Searching Land Mines, IEDs etc)	Dec 2022
59.	Rocket RGB-60 HE with Fuse	Dec 2022
60.	Rocket RGB-60 Practice	Dec 2022
61.	Rocket RGB-12 HE with Fuse k3m	Dec 2022
62.	Rocket RGB-12 Practice	Dec 2022
63.	80 MM Tandem Warhead Rocket	Dec 2022
64.	Software Defined Radio (Manpack)	Dec 2022
65.	Mechanical Minefield Marking Equipment (Land Based)	Dec 2022
66.	Pontoon mid-stream Bridging system	Dec 2022
67.	Integrated Architecture Display System (IADS) for LCH	Dec 2022
68.	Automatic Flight Control System (AFCS) for LCH	Dec 2022
69.	Solid State Video Recording System (SSVRS)	Dec 2022
70.	Armoured Dozor	Dec 2022
<u>With Effect from Dec 2023</u>		
71.	Upper Air Sounding System (UASS)	Dec 2023
72.	Software Defined Radio (Hand Held)	Dec 2023
73.	Mountain Weapon Locating Radar (AESA Based)	Dec 2023
74.	Transportable Ku- band Tropscatter Communication	Dec 2023
75.	Smart Anti Airfield Weapon (SAAW) Mk-I	Dec 2023
76.	GPS & GIS Based Minefield Recording System (Land Based)	Dec 2023
77.	Upgraded 76 mm SRGM	Dec 2023
78.	Loitering Munitions up to 50km Range & 25kg Payload	Dec 2023
79.	Land Inertial Navigation System (Smerch)	Dec 2023
80.	Multi Station Ship Handling Simulator (MSSHS)	Dec 2023
81.	Laser Ordnance Disposal System	Dec 2023
82.	Video Processing Card for Su-30	Dec 2023
83.	Inflatable Aircraft Decoys	Dec 2023

SI No	Description	Indicative Year
84.	Ship Borne 1 KW High Frequency Trans-receiver	Dec 2023
85.	IFF MK XII-S	Dec 2023
86.	L 70 Integrated Air Defence Combat Simulator (IADCS)	Dec 2023
87.	Naval Aircraft and Ship Instrumentation (NASI) for SHOL Trials	Dec 2023
With Effect from Dec 2024		
88.	Long Range Glide Bomb (250 Kg & 450 Kg)	Dec 2024
89.	40MM (Multi Grenade Launcher) Ammunition	Dec 2024
90.	Limpet Mines (7 Kg & 15 Kg)	Dec 2024
91.	General Purpose Bomb (500 kg) for Fighters	Dec 2024
92.	125 Kg General Purpose Bomb (NATO Standard)	Dec 2024
93.	Aerial Fuse for Mk-80 Series Bombs	Dec 2024
94.	Medium Power Radar for Mountain	Dec 2024
95.	Mechanical Mine Layer (Self-Propelled) - (Land Based)	Dec 2024
96.	Drop Tank for Jaguar and Mirage Aircraft	Dec 2024
97.	Digital Beam Forming based Satellite TV for Ships	Dec 2024
98.	D-29 Unified Receiver Exciter Processor (UREP) Based EW Suite	Dec 2024
99.	Onboard Oxygen Generation System (OBOGS) based integrated Life Support System for Fighter aircraft	Dec 2024
100.	Foldable Fibre Mat (FFM) for Runway Rehabilitation	Dec 2024
With Effect from Dec 2025		
101.	Anti-Material Rifle(AMR) 14.5 MM	Dec 2025
102.	14.5 MM API (Armour Piercing Incendiary) for Anti Material Rifle (AMR)	Dec 2025
103.	1000HP Engine for Tank (T-72)	Dec 2025
104.	Auxiliary Power Unit for T-72/ 90 Tank	Dec 2025
105.	Network Centric Operation (NCO) Application for Software Defined Radio (SDR)	Dec 2025
106.	Surface Mine Clearance System (Land Based)	Dec 2025
107.	Air Data Computer for Trainer Aircraft	Dec 2025
108.	Unit Level Target System for Army Air Defence	Dec 2025

Note. To maintain timelines for production, hand holding of Industry by the Defence Services will be encouraged. In the event the Domestic Industry is not able to supply equipment in the stipulated time frame/ quantity, or where there are inadequacies in the equipment affecting safety of troops, specific cases for import could be taken up to meet immediate requirement, based on the recommendations of Defence Indigenisation Committee. Items that have already been indigenised and successfully tried & tested by the Armed Forces would continue to be procured from the Domestic industry.

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