

**PRESS INFORMATION BUREAU (DEFENCE WING)
GOVERNMENT OF INDIA**

‘हर काम देश के नाम’

New Delhi, Sravana 30, 1944
Friday, July 22, 2022

DEVELOPMENT WORK BY DEFENCE INDUSTRIES

In continuous pursuit of achieving self-reliance in defence manufacturing under ‘Aatmanirbhar Bharat Abhiyan’ and in sync with the announcement made 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 the 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 below:

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

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

This information was given by Raksha Rajya Mantri Shri Ajay Bhatt in a written reply to Shri Narendra Kumar in Lok Sabha today.

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WAGES PAID TO LABOURERS BY BRO

The wages for labourers in BRO are fixed at the level of Projects Headquarters of BRO keeping in view the minimum wages fixed by the concerned State Government and the Central Government from time to time. The wages are further enhanced considering the altitude and difficulty in working conditions of the area of employment.

BRO hires labourers as per workload in the area. The State/UT wise details of no. of labourers hired by BRO during the last five years are given below:

S No	State	2017-18	2018-19	2019-20	2020-21	2021-22
1	Andaman & Nicobar Island	113	121	154	131	101
2	Arunachal Pradesh	7999	7859	7968	9411	9519
3	Assam	8030	6988	7407	7588	7516
4	Bihar	327	274	255	297	252
5	Chhattisgarh	37	27	15	5	11
6	Haryana	0	1	1	2	3
7	Himachal Pradesh	2117	1857	1811	1808	2171
8	UT of J&K	12017	12583	13516	11712	11147
9	Jharkhand	15260	13764	16524	17762	25015
10	Kerala	2	3	0	3	1
11	Maharashtra	6	6	6	4	2
12	Manipur	1425	1674	1601	1295	1049
13	Meghalaya	0	0	0	1	1
14	Mizoram	691	673	682	665	708
15	Nagaland	881	1655	1433	1663	1602
16	Orissa	255	228	321	428	415
17	Rajasthan	2522	2028	3396	4792	5082
18	Sikkim	3227	2513	3021	3460	3359
19	Tripura	5	8	9	5	5
20	UT of Ladakh	1797	2003	2773	3820	4778
21	Uttar Pradesh	94	108	91	89	84
22	Uttarakhand	3973	4305	4573	4125	3280

23	West Bengal	3257	2938	3294	2932	3884
	Total	64035	61616	68851	71998	79985

The main facilities provided to the labourers are:

- Wages are paid directly into their respective Aadhaar linked bank accounts.
- Free outdoor medical facilities are provided to the labourers in BRO maintained medical facilities and at Army medical units in high altitude areas. Free transport, including Air evacuation if warranted, is provided to labourers up to Tertiary care hospitals. In addition, expenditure is made for any emergency, out of welfare funds.
- Free accommodation in shelter/tents including snow tents is provided apart from provisioning of suitable clothing to overcome the vagaries of climate.
- At certain super high altitude locations in Ladakh, labour is provided with free ration and kerosene for cooking and warming purpose.
- Free transportation from place of living to work site and back.
- In the case of death/disablement attributable to work, Ex-gratia lump sum payment in terms of Workmen's Compensation Act 1923 are done.
- Electricity, clean drinking water and sanitation facilities are being provided to labourers in camps.

Relevant laws are followed. The salary, calculated as per total attendance of the labourers at the end of month, is being deposited in Aadhaar linked Bank Account of all enrolled labourers after due audit and verification.

This information was given by Raksha Rajya Mantri Shri Ajay Bhatt in a written reply to Shri Naba Kumar Sarania in Lok Sabha today.

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COMPULSORY MILITARY SERVICE FOR YOUTHS

The Government has not formulated any scheme for the mandatory service of youth in the Armed Forces. There is no role of the Sainik Schools in the implementation of the Agnipath scheme. The Government has approved the setting up of 100 new Sainik Schools in partnership mode with NGOs/ Private Schools/ State Governments. This scheme is available to the Schools of all the States/ UTs including the States of Madhya Pradesh and Uttar Pradesh, subject to the applicant schools satisfying the eligibility criteria and subsequent signing of Memorandum of Agreement (MoA) with the NGOs/ Private/ State Government Schools by the Sainik Schools Society.

The recruitment rallies are held by the Armed Forces with an aim to cover all the districts, inter-alia, including the tribal areas of the country.

This information was given by Raksha Rajya Mantri Shri Ajay Bhatt in a written reply to Shri Arun Kumar Sagar and others in Lok Sabha today.

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DEFENCE CORRIDOR PROJECTS

As per the information received from Government of Uttar Pradesh, Uttar Pradesh Expressways Industrial Development Authority (UPEIDA), the nodal agency for Uttar Pradesh Defence Industrial Corridor (UPDIC) has signed 69 Memorandum of Understanding (MoUs) with industry with potential investment of Rs 10,545 crore. Actual Investment of Rs 1,767 crore has been made by the industries in UPDIC.

Further, as per information received from Tamil Nadu Industrial Development Authority (TIDCO), the nodal agency for Tamil Nadu Defence Industrial Corridor (TNDIC) has arranged investment worth potential of Rs 11,359 crore through MoUs etc. with 42 industries. Actual Investment worth Rs 3,176 crore has been made by the industries in TNDIC.

The respective State Governments have their own Aerospace and Defence Policy to offer support to investors through various incentives. Regular interaction with all stakeholders such as DPSUs and private investors is being carried out by respective State and Union Government to understand the challenges and address issues of investors. No separate funds have been allocated by Central Government for setting up of the Defence Industrial Corridors.

The new Defence companies have the autonomy to engage manpower, as per their functional requirement.

This information was given by Raksha Rajya Mantri Shri Ajay Bhatt in a written reply to Shri Shanmuga Sundaram K and others in Lok Sabha today.

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JOBS RESERVED FOR EX-SERVICEMEN

Reservation for Ex-servicemen in respect of Central Government jobs, including Railways, is governed by the ex-servicemen (Re-employment in Central Civil Services and Posts) Rules, 1979. These reservations are applicable to all Group ‘C’ and Group ‘D’ Central Civil Services & Posts and posts up to the level of Assistant Commandant in all Central Armed Police Forces (CAPFs), which includes Border Security Force (BSF), Central Reserve Police Force (CRPF), Indo-Tibetan Border Police (ITBP), Sashastra Seema Bal (SSB) and Central Industrial Security Force (CISF).

The details of existing quota of reservation available for Ex-servicemen is as under:

- Reservation in Central Government Ministries (including Railways)/Departments including Central Armed Police Forces (CAPFs):
 - 10% in all Direct recruitment posts up to the level of Assistant Commandant in Central Armed Police Forces (CAPFs).
 - 10% in Direct recruitment posts in Group ‘C’
 - 20% in Direct recruitment posts in Group ‘D’
- Reservation in Central Public Sector Undertakings:
 - 14.5% in all Direct Recruitment Group ‘C’ Posts
 - 24.5% in all Direct Recruitment Group ‘D’ Posts

(including 4.5% for Disabled ESM and dependents of Service personnel killed in action)

- 100% in Defence Security Corps.
- Employment in Rajya Sainik Boards falls under the purview of the concerned State Government and each of the State Government has provided reservation/priority for appointment for Ex-servicemen in State Government jobs as per their welfare policy.

The reservation prescribed for ESM is Horizontal in nature and depend on occurrence of vacancies per year and not as per the number of Posts. Adequate number of ESM are not qualifying for these Posts for want of requisite educational qualification prescribed for the Posts.

The Government endeavors to explore every possible avenue for increasing employment opportunities for the Ex-servicemen through various initiatives including pre and post-retirement trainings and awareness programmes. Suitable training is also imparted to the willing Ex-servicemen to prepare them for self-employment ventures.

This information was given by Raksha Rajya Mantri Shri Ajay Bhatt in a written reply to Shri Achyutananda Samanta in Lok Sabha today.

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EXPANSION OF NATIONAL CADET CORPS

The Government has launched expansion of NCC in Border Tehsils, Coastal Taluks and taluks housing Air Force Stations by providing 1 lakh vacancies. This includes 92 Coastal Taluks. The details are as follows:

Name of District	Name of Taluk
Vishakhapatnam	Bheemunipatnam, Visakhapatnam, Gajuwaka
Anakapalli	Atchuthapuram
Sri Potti Sriramulu Nellore	Allur, Kavali, Indukurpet, Venkatachalam, Muthukuru, Kaluvoya, Atmakur, Vidavalur, Sri Potti Sriramulu Nellore
Prakasam	Yerragondapalem

The details of incentives provided to NCC cadets (Educational Institutions and Employment) are given below:

- Incentives in educational institutions, inter-alia, include:

State Governments have notified incentives for NCC ‘A’, ‘B’ and ‘C’ Certificate holders for admissions into higher educational institutions by way of (a) reserving percentage of seats and/or (b) weightage in terms of grace / bonus marks.

- Incentives in job opportunities:

1. Armed Forces: Vacancies are reserved in the officer cadre by each of the Services for NCC ‘C’ Certificate holders as below:

S No	Training Establishments	Total Vacancies per course *
(a)	Officer Training Academy, Chennai	SD+SW - 50+4
(b)	Indian Military Academy	SD – 25
(c)	Air Force Academy	10% of course vacancies

(d)	Naval Academy	SD - 06
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* Two courses are inducted per year.

SD – Senior Division (Boys)

SW – Senior Wing (Girls)

2. Other Ranks of Armed Forces: Bonus marks are provided to NCC 'A', 'B' & 'C' certificate holders when applying for Other Ranks of Armed Forces.
3. Ministry of Home Affairs: Government of India, Ministry of Home Affairs has provided following incentive/bonus marks to NCC 'A', 'B' & 'C' Certificate holders in recruitment examination for the post of Sub-Inspector (General Duty) and Constable (General Duty), Central Armed Police Forces (CAPFs):
 - NCC 'C' Certificate – 5% of max marks.
 - NCC 'B' Certificate – 3% of max marks.
 - NCC 'A' Certificate – 2% of max marks.
4. Ministry of Ports, Shipping and Waterways: Government of India, Ministry of Ports, Shipping and Waterways has also provided following incentives to all Under Graduate and Post Graduate programmes of Indian Maritime University:
 - NCC 'C' Certificate – 5% of max marks.
 - NCC 'B' Certificate – 3% of max marks.
 - NCC 'A' Certificate – 2% of max marks.

This information was given by Raksha Rajya Mantri Shri Ajay Bhatt in a written reply to Shri Balashowry Vallabhaneni and Shri Magunta Sreenivasulu Reddy in Lok Sabha today.

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MANUFACTURING OF DEFENCE PRODUCTS

The details of major defence equipment manufactured and supplied by the Defence Public Sector Undertakings (DPSUs) so far are as under:

- Ships and Submarines: Various classes of Frigates, Corvettes, Missile Boats, different class of Destroyer (P-15, P-15A, P-17, P-17A), Submarine (SSK Class Scorpion class), Fast track crafts, Dredger, Landing Craft Utility, Missile Craft Survey vessels, Offshore Patrol Vessels, Tugs and Fuel Barges.
- Missile and Under Water Weapons: Anti-Tank Guided Missile (Milan, konkurs, Invar), Akash Missile System, Medium Range Surface to Air Missile, Astra Missile, Pinaka Rocket system, Light weight Torpedo, Heavy Weight Torpedo, Anti-Torpedo Decoy Launching Systems, Counter Measures Dispensing System and various types of Launchers.
- Electronic Equipment: C4I systems, Communications System, Electronic Warfare and Avionic System, Electro Optic System, Naval System, Radars, Tank Electronics, Thermal engine sight, larger bases equipment, fuzes, different types of Ruggedized cables and harness of battle tanks.
- Armoured and Heavy Vehicles:- Main Battle Tanks (T-72, T-90, Arjun), Infantry Combat Vehicles, BMP-II, Artillery Guns of different calibre (81 mm Mortar, 105 mm, 122 mm, 125 mm, 130 mm and 155 mm), Medek Gun CRN-91, AK 630 M Gun, High mobility vehicles (4x4, 6x6 8x8, 10x10 & 12x12), Heavy Recovery Vehicles, Vehicles Launched Assault Bridge, Dozers Excavators, Motor Graders, Trailers, Towing Tractors, Armoured Ambulance, Multi-Purpose Vehicle and other Ground Support / Handling Equipment for Fighter aircrafts.
- Air Borne Platforms: Fighter Aircrafts (SU30MKI, Light Combat Aircraft, Civilian aircraft (Dornier Do- 228), Helicopters (Advanced Light Helicopter Dhruv, Light Utility Helicopter (LUH), Light Combat Helicopter (LCH), Cheetal and Chetak), Engines and accessories and over haul of variety of Aircrafts/Helicopter/Engine.
- Ammunitions: Large calibre ammunitions (105 mm, 122 mm, 125 mm, 130 mm and 155 mm), Medium calibre ammunitions (20 mm, 30 mm, 81 mm, 84 mm), Small calibre ammunitions (5.56 mm, 7.62 mm & 9 mm), Explosive, Propellants Bombs and Rockets.

- Metallurgical Materials: Special Alloys, Special Grade Alloys Steel, Aluminium alloys, Titanium alloys, forging and casting for vital defence equipment, and Armour for various applications.
- Small Arms: 7.62x39 mm Trichy Assault Rifle, 12.7 mm Air Defence Gun, 33 mm Cannon, MAG Gun 7.62 mm, LMG 5.56 mm, Carbine 9 mm, JVPC 5.56 mm, Revolver .32m, .32 Pistol, 7.62x51 Sniper, 5.56 INSAS, 9mm Pistol, 7.62x39 GHAATAK and 12 Bore Pump Action Gun.
- Other Items: Clothing items and accessories, different varieties of Parachutes (Man carrying, Pilot, Break Supply, Drop, Heavy Drop and illuminating).

Defence products manufactured by the DPSUs undergo Final Acceptance Inspection (FAI) by the Quality Assurance agencies viz Directorate General of Quality Assurance (DGQA), Directorate General of Aeronautical Quality Assurance (DGAQA) and Director General of Naval Armament Inspection (DGNAI) as per the Final Acceptance Procedure. Moreover, manufacturing units of Hindustan Aeronautics Limited (HAL), Bharat Electronics Limited (BEL), Bharat Dynamics Limited (BDL), Mazagon Dock Shipbuilders Limited (MDL), Garden Reach Shipbuilders and Engineers limited (GRSE) and Goa Shipyard Limited (GSL) are certified to the contemporary International Quality Management standards such as AS9100D, EMS 14001, ISO 9001 etc.

This information was given by Raksha Rajya Mantri Shri Ajay Bhatt in a written reply to Shri Dibyendu Adhikari in Lok Sabha today.

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