

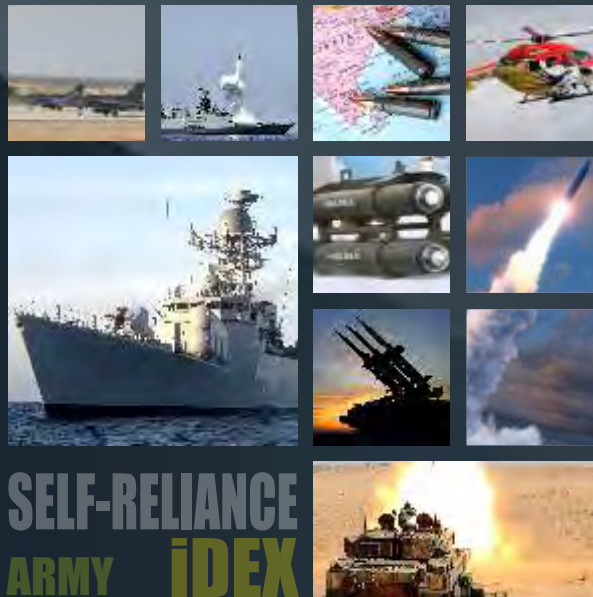


ATMANIRBHAR BHARAT

ACHIEVING STRATEGIC AUTONOMY IN
DEFENCE PRODUCTION

August 27, 2020

INITIATIVES



**SELF-RELIANCE
ARMY iDEX
DESIGN BUREAU
(ADB)**

INDIGENISATION

**TECHNOLOGY
DEVELOPMENT
FUND (TDF)**

EXPORTS

**DEFENCE
INDUSTRIAL
CORRIDOR (DIC)**







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DEFENCE PRODUCTION

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INITIATIVES



SELF-RELIANCE
INDEX

INDIGENIZATION

DEFENSE
INDUSTRIAL
CORPORATION (DII)



RAKSHA MANTRI



MESSAGE

The Government of India had launched its flagship programme 'Make in India' in 2014. The clarion call by the Hon'ble Prime Minister for Atmanirbhar Bharat has further renewed the focus on India's manufacturing sector with Defence Sector at the core of its programme.

The recent policy announcements on earmarking separate capital budget for domestic procurement, negative import list, launch of online portal on information of defence equipment, formulation of the draft Defence Acquisition Policy (DAP) 2020 and Defence Production & Export Promotion Policy (DPEPP) 2020 have been made with an aim to boost indigenisation and strengthen the Indian Defence Industry.

The armed Forces have been playing a key role through multifarious initiatives to promote indigenisation and I am sanguine that they shall persevere. The webinar on "Atmanirbhar Bharat: Outreach to Industry" will go a long way in evolving a mutually beneficial and pragmatic road map which will meet the industry expectations and capabilities. I extend my best wishes to all the stakeholders.

'Jai Hind'

Rajnath Singh
Raksha Mantri
Government of India

CHIEF OF DEFENCE STAFF



MESSAGE

A well-equipped, modern and trained Indian Armed Forces is a national imperative. As India grows in stature, the national security challenges will rise commensurately too. It is thus vital that we transcend towards Military Secretary Reliance in the minimal time frame.

The Indian Armed Forces have unveiled a slew of initiatives towards fulfilling its modernisation fulfilling its modernisation needs in time with the Government's Make-In-India initiative. The Government has been given a new impetus by the call for 'Atamanirbhar Bharat'

While MoD has already set into motion the plan of action for realisation of the Hon'ble PM's, vision, there still is a need to remove apprehensions amongst the stake holders, constantly set and review mile-stones and criteria's and simplify procedures and requirements of procurement. There is also a requirement to involve industry more meaningfully and present better business opportunity to indigenous players. While DRDO/DPSUs should become more responsive, its interface with industry needs to be mutually beneficial to ensure optimum utilisation of limited resources.

The progress so far inspires confidence. The 'Atmanirbhar Bharat Actively Self Sufficiency in Defence Equipment' seminar will definitely as a catalyst and provides further impetus.

'Jai Hind'

General Bipin Rawat PVSM, UYSM, AVSM, YSM, SM, VSM, ADC
Chief of Defence Staff
Ministry of Defence



MESSAGE

Achieving autonomy in defence manufacturing is a strategic imperative for any nation for maintaining sovereignty and military superiority. Tremendous efforts have been put in by Indian Defence Industry in terms of indigenisation of equipment/systems and in achieving self-reliance of our military needs over the last few years. These efforts have been ably supported by the Government of India's vision, policy implementation by Ministry of Defence and wholehearted support by the three armed forces.

Recently on the 9th of August 2020, Shri Rajnath Singh, Hon'ble Raksha Mantri in a major push to promote domestic defence industry made a historic announcement by listing 101 weapons and military platforms including Armoured Fighting Vehicles, Light Combat Helicopters, Conventional Submarines etc. as part of **embargoed items for import**. He further announced **bifurcation of capital procurement budget** by allocating INR 52,000 crore for the domestic industry for this financial year itself. FICCI applauds the MoD for these reform announcements.

These measures when viewed alongside the policy on '**Strategic Partnership with Private Sector**' announced by this government will transform the defence manufacturing sector. Our government's vision of creating a second pillar alongside the existing DPSU manufacturing capability will certainly strengthen the nation. New manufacturing ecosystems will be created. Tens of thousands of additional jobs will be generated. Exports of defence articles will increase. The nation will surely but steadily march towards becoming a US\$ 5 trillion economy.

It is our belief that Atmanirbhar Raksha Utpadan will be a major enabling factor to realise Honorable Prime Minister Shri Narendra Modi's vision of **Atmanirbhar Bharat**. Indian Defence industry, therefore, is highly enthused by the recently announced pathbreaking reforms and now eagerly look forward to contributing to an Atmanirbhar Raksha Utpadan.

Today's webinar allows for interaction of the industry with the policymakers. I am sure that this webinar will be a win-win scenario for all stakeholders involved in India's defence production.

I extend my best wishes to this Webinar!!!

'Jai Hind'

S. Shukla

S P Shukla

Chairman

FICCI Defence and Aerospace Committee



Government of India Initiatives for Indigenisation

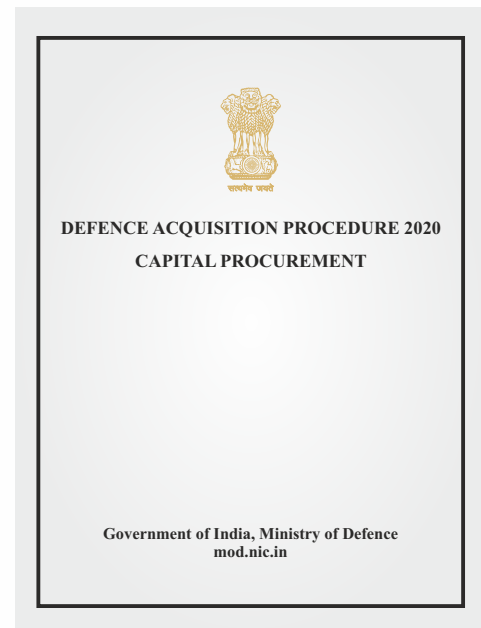
Atmanirbhar Bharat Abhiyan

- Clarion call by Hon'ble Prime Minister during his announcement of COVID-19 related economic package of Rs 20 Lakh Crores on 12 May 2020.
- Five pillars of Atamanirbhar Bharat - economy, infrastructure, system, vibrant demography and demand.
- Defence sector identified as one of the core sectors.
- Overall intent is to become net exporters of defence equipment in next 4-5 years.



Draft DAP 2020

- Enhancement of Indigenous Content with simple and practical Indigenous Content verification process.
- Incorporating use of indigenous Raw Material, Software & Components and encouraging their development and production.
- Refining of procedures.
- Impetus to MSMEs by earmarking MAKE projects for MSMEs (MAKE I - prototype development phase < Rs 10 Crores & MAKE II - prototype development phase < Rs 3 Crores).
- Boost to MAKE and introduction of MAKE-III.
- iDEX - Provide grants/ funding and other support to carry out R&D which has good potential for future adoption for Indian defence needs.



Draft Defence Production and Export Promotion Policy- DPEPP 2020

- ❑ To achieve a turnover of Rs 1,75,000 Crores including export of Rs 35,000 Crores in Aerospace and Defence goods and services by 2025.
- ❑ To develop a dynamic, robust and competitive defence industry, including Aerospace and Naval Shipbuilding industry to cater to the needs of Armed Forces with quality products.
- ❑ To reduce dependence on imports and take forward "Make in India" initiatives through domestic design and development.
- ❑ To promote export of defence products and become part of the global defence value chains.
- ❑ To create an environment that encourages R&D, rewards innovation, creates Indian IP ownership and promotes a robust and self-reliant defence industry.



Online Portal for Indigenisation in Defence Production

- ❑ Named 'SRIJAN'.
- ❑ Provides information about defence equipment and items that can be taken up for indigenisation by private sector companies.
- ❑ DPSUs/ OFB/ SHQs can display on SRIJAN those items that are being imported currently so that Indian industry can design, develop and manufacture them domestically.

Defence Minister Rajnath Singh launches Indigenisation portal SRIJAN

By Health Education Group, Barakulajapur | August 13, 2020



Promulgation of Negative List

- MoD announced negative list of 101 defence items.
- List comprises of simple parts to high technology weapon systems like Artillery Guns, Assault Rifles, Radars, Transport Aircrafts etc.
- Implementation planned between 2020 to 2024.
- The capital procurement budget for 2020-21 has been bi-furcated between domestic and foreign capital procurement rules.
- Separate budget head created with an outlay of nearly Rs 52,000 Crores for domestic capital procurement in the current financial year.

Explained: The negative imports list for defence announced by Rajnath Singh

At a meeting, he said the Government has decided to announce a list of 101 defence items that will be procured from domestic sources instead of imports.



DRDO/ DPSUs/ OF

- Corporatize Non Strategic DPSUs with a view to diversify from manufacturing of traditional equipment to higher and technology intensive equipment.
- DRDO has opened up its R&D facilities by establishing labs for futuristic technologies under DRDO Young Scientists Labs program, encouraging the young innovators to partner with DRDO.
- Indian startups are now getting free access to DRDO patents for developing defence products. DRDO has also developed industry friendly patents policy for transfer of DRDO developed technology to industry.
- Over the last few years, there has been a mushrooming of an entire Eco-system with more than 8000 MSMEs now being tiered partners of OF / DPSUs/ DRDO and service organisations.



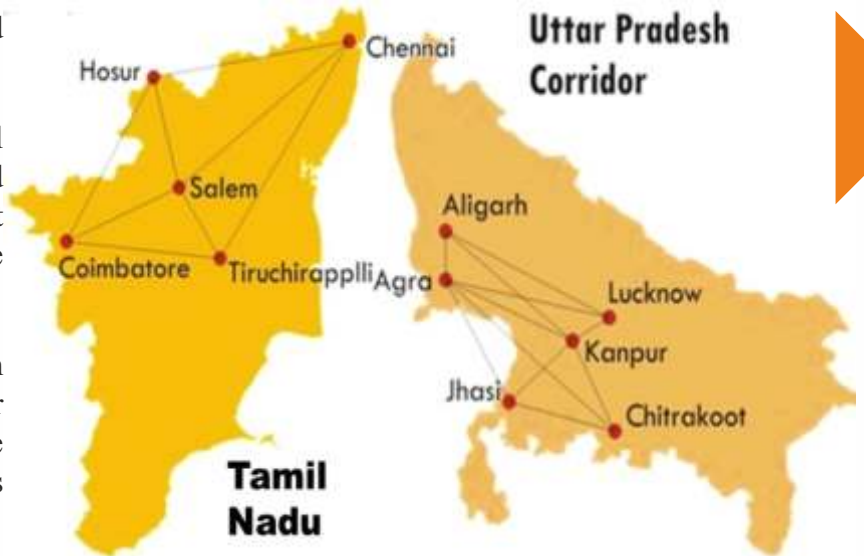
Defence Testing Infrastructure Scheme

- ❑ Union Government has approved the launch of Defence Testing Infrastructure Scheme (DTIS).
- ❑ It aims to give a boost to domestic defence and aerospace manufacturing.
- ❑ It has an outlay of Rs 400 Crore for creating state of the art testing infrastructure for defence testing sector.
- ❑ It envisages to setup six to eight new test facilities in partnership with private industry.
- ❑ This will facilitate indigenous defence production, consequently reduce imports of military equipment and help make the country self-reliant.
- ❑ The projects under the Scheme will be provided with up to 75% government funding in the form of 'Grant-in-Aid'.
- ❑ The remaining 25% of the project cost will have to be borne by the Special Purpose Vehicle (SPV) whose constituents will be Indian private entities and State Governments.
- ❑ The SPVs under the scheme will be registered under Companies Act 2013 and shall also operate and maintain all assets under the scheme, in a self-sustainable manner collecting user charges.



Defence Industrial Corridor in India

- Union Government in 2019, has set up defence industrial corridors in Uttar Pradesh and Tamil Nadu.
- These defence corridors will facilitate a well-planned and efficient industrial base that will lead to increased defence production in the country.
- The corridors overlap with existing defence public sector companies and aim to ensure connectivity among various defence industrial units.



Miscellaneous

- GoI has announced increasing the FDI in Defence sector from 49% to 74% to attract foreign investments for setting up of R&D and infrastructure facilities in Defence sector.
- To encourage joint manufacturing of equipment in India, the government has initiated measures for setting up of JVs. JVs in defence sector have been established including three with Russia, viz IRRPL, IRHC and Multi-role Transport Aircraft Ltd.

Services Organisation Functioning for Indigenisation

1. Army Design Bureau (ADB)

- (a) Act as a central repository of technical know-how for the Indian Army
- (b) To collate operational requirements from the field formations and bring it forward for deliberations with DRDO, OFB, DPSUs, Defence Industry and Academia
- (c) To assist in formulation of GSQRs and Statements of Case in respect of Indian Army
- (d) To collate and bring to fruition the innovations undertaken by the field formations
- (e) Subsume Army Technology Board and Simulator Development Division in its organisation and adopt their charter
- (f) Act as a nodal point to integrate and synergise the efforts of various Category 'A' establishments having domain specific centres of technological excellence
- (g) Generate long term research requirements for the Indian Army and share the same with the DRDO and Academia
- (h) Assist in identifying various projects for the DRDO and be the single point contact with it



CONTACT INFO

Technology Resource Centre
DDG Tech Resource Centre
Room No- 904, A Wing,
Sena Bhawan, New Delhi-110001

Phone: 011-23019003, 23018861

E-Mail: ddgtechres-mod@gov.in,
makeinindia.70@gov.in

2. Directorate of Naval Design (DND)



CONTACT INFO

Directorate of Naval Design
Naval Headquarters
Ministry of Defence
A-33, Kailash Colony, New Delhi

Phone: 011-29234321

E-Mail: mail.dndssg@navy.gov.in

(a) DND is a premier organisation of the Indian Navy and the only one in the country for design of submarines and submersibles. The core competencies of the organisation are the design of state-of-the-art underwater platforms and comprehensive end to end design support during project execution. Support for indigenous development of equipment and submarine systems is another thrust area towards realising the overarching strategic goals of the Indian Navy.

(b) Through its participation in various submarine programmes, the organization has acquired capabilities to undertake platform design of all types of submarines. It has a unique knowledge base, advanced design tools as well as a competent and motivated design team comprising of uniformed personnel, civilian officers and staff from naval architecture, engineering and electrical specialisations. The Directorate is organized in functional groups such as hull structures, engineering / electrical systems, weapons & sensors, propulsion systems, configuration control, materials, etc to nurture vertical specialization and acquire in-depth knowledge in respective areas for all classes of submarines.

(c) The activities undertaken by the organisation are: -

- (i) Platform design of underwater vessels- from concept design to detailed design
- (ii) Support for indigenous development of submarine systems and equipment
- (iii) Comprehensive design support for project execution
- (iv) Design support for modernization of operational submarines

3. Directorate of Acquisition - Air Force

- (a) The inventory of the IAF is wide and varied in terms of technology and origin. The maintenance of the war waging machinery ranging from vintage to state of the art technology is a challenging task. The potential to maintain any equipment in operational condition is primarily dependant on product support. The rapid growth in technological advancements in the recent past has led to obsolescence at an equally faster pace. This has resulted in diminishing product support from OEM to sustain desired state of our weapon platforms and systems.
- (b) The situation and inescapable necessity for optimum utilisation of our resources forced the IAF to a solution in the form of indigenisation. The indigenisation organisations at different levels are as under:-
- (i) **Air HQ.** The broad policies, higher-level coordination with other agencies to facilitate indigenisation activities is by Director of Indigenisation functioning under ACAS (MP). The IAF is represented by ACAS (MP) in the apex indigenisation committee.
 - (ii) **HQ MC.** HQ MC is the nodal agency for all aspects related to indigenisation activities. Command Indigenisation Officer facilitates, coordinates, and controls the indigenisation activities undertaken by BRDs
 - (iii) **BRDs.** The BRDs are the executing agencies leading the development activities to a logical and conclusive end through direct interaction with various agencies. At depots, Sqn Cdr of IDS handles all indigenous development related cases.



CONTACT INFO

The Principal Director
Directorate of Indigenisation
5th Floor, Chanakya Bhavan
Chanakyapuri, New Delhi - 110064

Phone: 011-24108377

Fax: 011-24122689

E-Mail: doi-navy@nic.in

4. Weapons and Electronics Systems Engineering Establishment (WESEE)



- (a) Weapons and Electronics Systems Engineering Establishment (WESEE) is one of its kind autonomous organisation under MoD, conceived four decades back to pursue Indian Navy's vision of Self-Reliance through Indigenisation and Innovation. Over the years WESEE has forayed into technological domains where R&D and industry support were not available, to deliver cutting edge technological solutions for the Navy.
- (b) The activities undertaken by the organisation are:-
- (i) Combat system integration of the ship,
 - (ii) Design and implementation of command and control system
 - (iii) Networking and Information Technology and Information Warfare
 - (iv) Mutual interference and electromagnetic compatibility
 - (v) Systems integration solutions
 - (vi) Indigenous command and control system for a warship platform
 - (vii) Data link systems
 - (viii) Cryptographic solutions

CONTACT INFO

DG WESEE
West Block V, R K Puram,
New Delhi-110066

Phone: 011-26101143

E-Mail: om.alok69@navy.gov.in,
hodesi-wesee-navy@nic.in

5. Directorate of Indigenisation – Indian Army

(a) The Indian Army holds a sizeable number of equipment of import origin. Limited quantity of spares is procured along with the equipment. By the time the equipment is exploited in the field, spare support from the OEM dwindles, as production lines generally closed or are diverted to other products, due to the rapid change and advancement in the field of technology. The situation deteriorates when the equipment warrants overhaul and the spares availability is minimal. The performance of the equipment gradually degrades with time, due to non-replacement of unreliable spares/accessories. The support to such equipment at this stage gets confined to the indigenous efforts only. Thus Directorate of Indigenisation has been established under MGOs Branch/ DGEME to undertake indigenisation activities.



(b) The activities under taken by the organisation are:-

- (i) Identification of item for indigenisation.
- (ii) Preparation of drawings and paper particulars.
- (iii) Tendering.
- (iv) Order placement
- (v) Test and trials.
- (vi) Bulk production.

CONTACT INFO

DDG (I)
Room No -19 A, Integrated HQ of
MoD (Army)
Directorate of Indigenisation(DOI)
MGOs Branch/DGEME
Wing-5, 2nd Floor, West Block-III
RK Puram, New Delhi - 110 066

Phone: 011-26168620

Fax: 011-26168657

E-Mail: dgindigenisation@yahoo.com
doi-army@nic.in

6. Directorate of Indigenisation-Indian Navy



- (a) To achieve self reliance, a self-contained Indigenous Development Organisation capable of identifying needs, generating paper particulars and undertaking development of equipment and spares for all discipline has been created. This organisation is named Directorate of Indigenisation (DOI) at the IHQ MoD (N), which in the field/ Command level is assisted by Indigenisation Units (IUs) West and East under the administrative control of HQWNC and HQENC respectively.
- (b) Directorate of Indigenisation (DOI) is functioning under COM through ACOM (MOD) at IHQ MoD (N) and undertakes Indigenous Development of complete equipment/ sub-assemblies/ components beyond the delegated financial powers of Commands, in consultation with Professional Directorates. Indigenisation Units (Ius) established at Mumbai and Visakhapatnam are functioning under the control of IHQ MoD (N), the Command Headquarters/ Command Indigenisation Committees (COINCOMs), who task them. The Command Headquarters provides office infrastructure, administrative and logistics support.

CONTACT INFO

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E-Mail: doi-navy@nic.in

7. Defence Research & Development Organisation (DRDO)

(a) The Defence Research & Development Organisation (DRDO) has come a long way since its inception on January 1, 1958 to become a major Science & Technology force to reckon within the country. Starting as a very small organization with only 10 laboratories, DRDO has grown multi-dimensionally and emerged as a strong and mature organization with a vast network of 50 laboratories, spread across the country. DRDO is dedicated towards progressive enhancement of self-reliance in defence systems and also enhancement of R&D infrastructure and capability of the country. It has a vision to promote the corporate strength and to make the country independent of foreign technologies in critical spheres and also to act as a reservoir of expertise in the most sensitive scientific and technological domains. DRDO plays many significant roles, like providing scientific and technological advice to the MoD in support of defence policy; as evaluator of defence equipment for the military operational requirements; and generating new technological knowledge to be transferred to the defence industries for development of state-of-the-art weapon systems. Today, DRDO is one of the finest models of R&D organizations in the world.

(b) DRDO has a mission mode structure, headed by the Scientific Adviser to Raksha Mantri (SA to RM) who is also Secretary to the Government of India. The Secretary is assisted by the Chief Controllers of:-

- (i) Armaments & Combat Engineering and Naval Systems (ACE&NS)
- (ii) Missiles & Strategic Systems (MSS)
- (iii) Aeronautics & Materials Science (AMS)
- (iv) Services Interactions (SI)
- (v) Life Sciences & Human Resources (LS&HR)
- (vi) Electronics & Computer Sciences (ECS)
- (vii) Resources & Management(R&M)
- (viii) Implementation



CONTACT INFO

Directorate of Industry Interface &
Technology Management
Room No 447, DRDO
Bhawan, DRDO Headquarters
Rajaji Marg, New Delhi -
110011

Phone: 011-23013209/ 23015291

Fax: 011-23793008

Email: diitm@hqr.drdo.in

Services Booklet: Indigenisation Projects and Facilitation – Info at Hand

The compilation of the 'Problem Definition Statements 2020' by the Indian Army is a commendable effort to share its requirements with the Start-ups, Incubators, R&D Organisations, Academia and Industry for creating indigenous solutions.

The catalogue can be downloaded from:
https://indianarmy.nic.in/makeinindia/CPDS_2020_ADB.pdf



'Olive Pages' is an endeavour of the MGO and CII to provide the Indian industry, a ready reckoner of Indian Army's requirement of high value and critical spares and sub-assemblies required for the sustenance of the vast range of Optronic and Electronic equipment held on the inventory. It also contains useful information about Army's revenue procurement and indigenisation procedures, army's contact information for the industry for clarifications and further guidance.

The catalogue can be downloaded from:
<https://indianarmy.nic.in/MakeInIndia/readwritedata/olive%20pages%20data/Olive%20Pages%202016.pdf>



Indian Naval Indigenisation Plan is aimed to enable indigenous development of equipment and systems over the next 15 years. It attempts to formulate the requirements of Indian Navy and lists out the equipment which can be taken up for indigenisation in the coming years. It is expected that release of this plan would further synergise Indian Navy's relationship with the industry and encourage all sectors of industry to come forward and participate in indigenous development of weapons, sensors and other high end equipment for the Indian Navy, thereby making the nation self-reliant in this vital domain of defence technology.

The catalogue can be downloaded from:

[https://ddpmod.gov.in/sites/default/files/INIP%20\(2015-2030\).pdf](https://ddpmod.gov.in/sites/default/files/INIP%20(2015-2030).pdf)

Indigenisation Roadmap Indian Air Force is aimed at providing an insight into the IAF's indigenisation requirements for the next ten years and the opportunities it offers to the industry. An effort has been made to collate the critical requirements of spares required by IAF for sustenance of its fleets and it is expected that release of this booklet would enable the industry to map its capabilities and potential with the requirements of IAF and encourage the industry to be a part of indigenisation process of IAF.

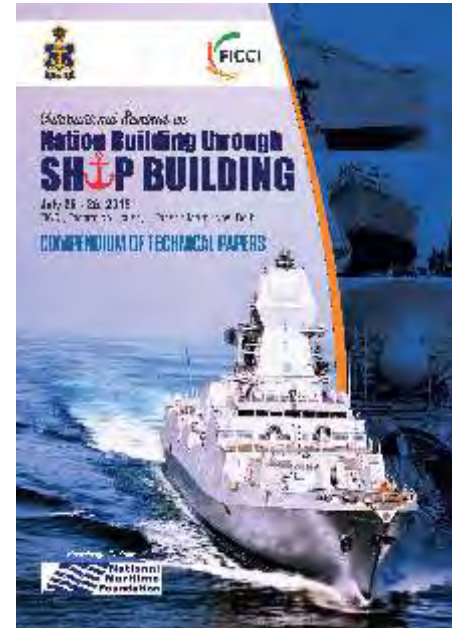
The catalogue can be downloaded from:

<https://bharatshakti.in/wp-content/uploads/2015/09/Indigenisation-Roadmap-Indian-Air-Force-13-Apr-2016.pdf>



Towards taking stock of the national shipbuilding industrial base, FICCI in association with Directorate of Naval Design (DND) [Surface Ship Design Group (SSG)] organised an International Seminar on "Nation Building through Shipbuilding" on July 25 - 26, 2019 at New Delhi. On the occasion a compendium of technical papers giving insights to futuristic technologies that are required for Shipbuilding was released. The compendium consists of 39 technical papers by serving officers from IN and technology experts from the industry.

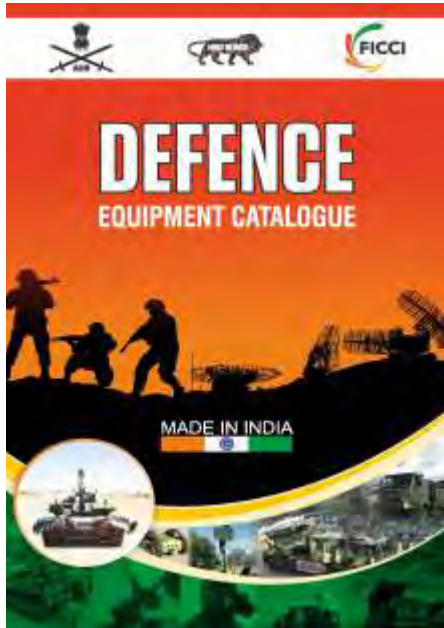
The compendium can be downloaded from:
http://ficci.in/events/24269/ISP/FICCI_IN_Compndium_Nation-Building-Shipbuilding.pdf



Equipment Catalogue capturing capabilities of Indian Defence Industry in terms of complete system / equipment that can be exported to BIMSTEC nations was released on 16th September 2019 during the visit of Army Chiefs of BIMSTEC NATIONS to Aundh Military Station, Pune for multinational military field training exercise.

The catalogue developed by FICCI in association with Army Design Bureau (ADB) covers 300+ indigenous equipment offer by Indian Defence Industry to BIMSTEC Nations.

The catalogue can be downloaded from:
http://ficci.in/events/23972/ISP/FICCI_ADB_Defence_EquipmentCatalogue_For_BIMSTEC_Nations.pdf



Equipment Catalogue capturing capabilities of Indian Defence Industry in terms of complete system / equipment that can be exported to friendly nations was developed by FICCI in association with Army Design Bureau.

The catalogue covers 500+ indigenous equipment offer by Indian Defence Industry to friendly nations

The catalogue can be downloaded from:
http://ficci.in/events/24202/ISP/FICCI_ADB_Defence_Exports_Equipment_Catalogue.pdf

FICCI in association with Indian Army released a booklet announcing the new ARMY MAKE Projects for the year 2020 and a status update on the previous projects.

The Booklet can be downloaded from:
http://ficci.in/ArmyMakeProjects2020_Booklet.pdf



SIMPLIFICATION TO CORE

RELAXATION IN CONDITIONS

- Allowing all eligible vendors to participate in the prototype development process.
- No Cap on No of players who show interest & offer prototype.
- Suo-moto proposals allowed.
- Start-ups permitted to supply equipment.

FACILITATIONS & GUARANTEES

- No foreclosure - assured orders.
- Provision for Project Facilitation Team.
- IPR remains with the industry.
- Reduces the total time from AIP to placing of order.
 - Projects with developm Facilitations & Guarantees rental cost of less than three crore reserved for MSME.

REDUCED DOCUMENTATION

- No detail project report required – saving of time & efforts.

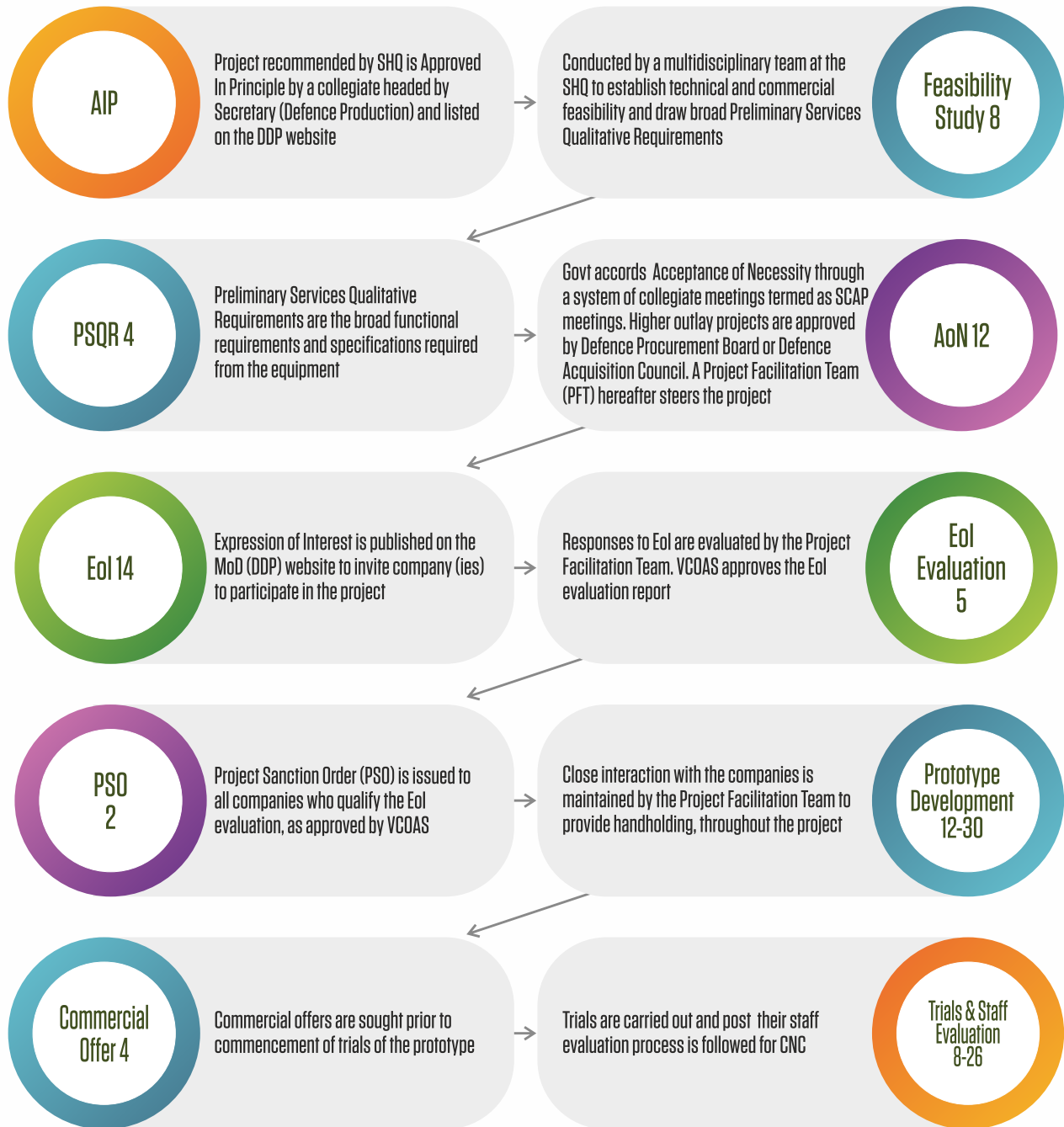
SHQ EMPOWERMENT

- SHQs to give all subsequent clearances after AIP.
- Option with SHQs to accept single individual/ firm offers an innovative solution.
- SHQs allowed to hire domain experts/ consultants.



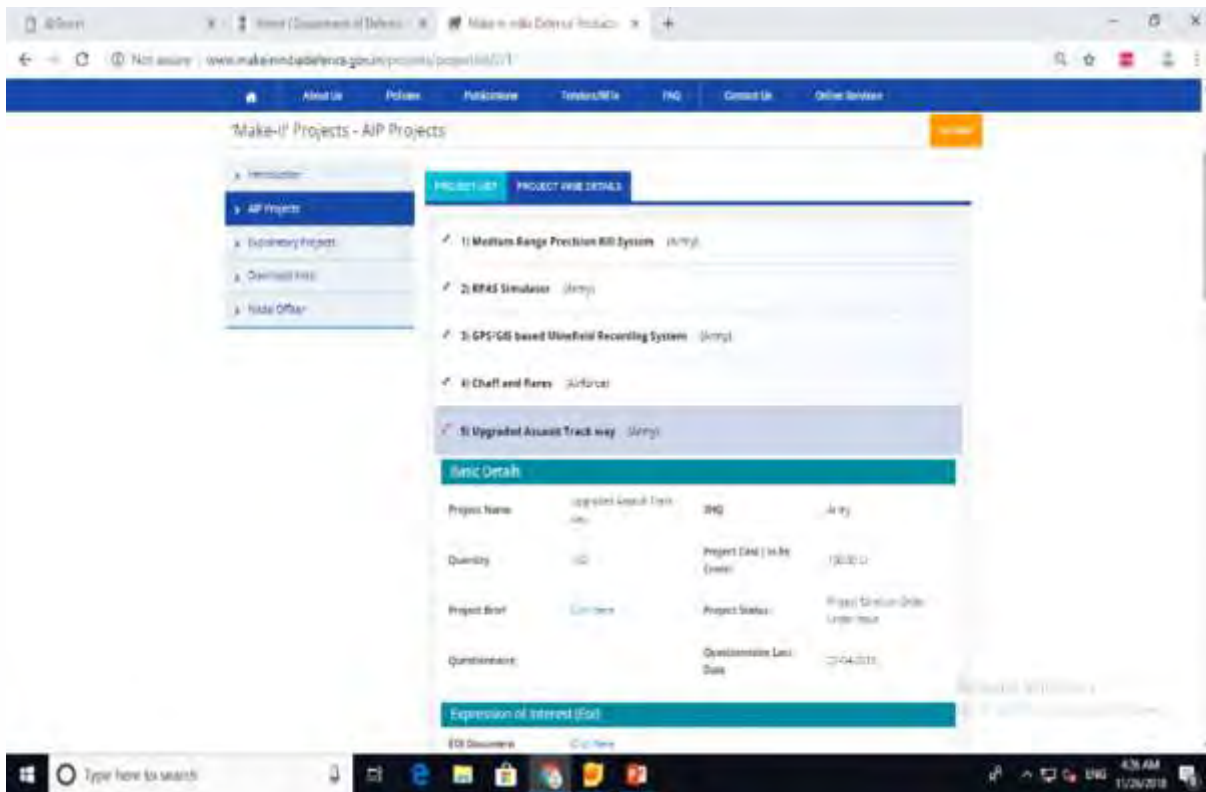
RAPID PROTOTYPING AND QUICK DEPLOYMENT

LESSER TIME WITH SIMPLE STEPS FOR BETTER PRODUCTS



⇒ Timing in weeks for each stage.

MAKE – II : SIMPLIFIED INDIGENISATION PROCESS



1. 'Make' category post its formal introduction in DPP 2016 as a separate chapter has laid special emphasis on import substitution allowing wider participation of Indian industry along with offering incentives for the MSME sector and self-reliance. 'Make' process, was refined with addition of a Simplified Make - II procedure in Jan 2018 with shortens timelines and to solicits a wider vendor base as also encompasses provisions for Suo Moto proposals by the Industry. The successful development of the products under this scheme results in acquisition, from successful Development Agency/ Agencies through the 'Buy (Indian - IDDM)' category with indigenous design and development, and minimum of 40% IC, by inviting commercial bid which is to be submitted prior to commencement of User Trials. The details of complete process are given in Chapter IIIA of DPP 2016.
2. Projects under Make-II category will involve prototype development of equipment/ System/ Platform or their upgrades or their sub-systems/ sub-assembly/ assemblies/ components/ materials, primarily for import substitution/ innovative solutions, for which no Govt funding will be provided for prototype development purposes. Cases where innovative solutions have been offered, shall be accepted and progressed, even if there is only single individual or a firm involved.
3. Projects under the Make-II sub category, with estimated cost of prototype development phase not exceeding Rs 3 Cr and cost of subsequent procurement not exceeding Rs 50 Cr/year based on

deliver schedule at the time of seeking AoN, will be earmarked for MSMEs. If no MSME expressed interest for a Make - II program earmarked for them, the same may be opened up for all.

4. As many as 49 proposals of the Indian Armed Forces are in various stages of progress since 2016. Overall the current estimated cost of these projects is approx. 32300 Cr. This number includes 17 proposals from industry received as some Suo Moto Proposals. Details of these projects can be found at www.makeinindiadefence.gov.in



Part- I : General Information

1. Name of the Vendor/Company/Firm/Individual.

2. Contact Details.

City: _____ State: _____

Pin Code: _____ Tele: _____

Fax: _____ URL/Web Site: _____

Email: _____ Mobile: _____

3. Local Branch/Liaison Office in Delhi (if any).

Name & Address: _____

Pin Code: _____ Tel: _____ Fax: _____

Email: _____ Mobile: _____

4. Type of the Applicant (Company Partnership firm/ Individuak etc)

5. Company profile (Not more than 500 words)

6. Cetification by Quality Assurance Organisation.

Name of Agency	Certification	Applicable from (Date & Year)	Valid till (Date & Year)

7. Membership of FICCI/ASSOCHAM/CII or other Industrial Associations.

Name of Organisation

Membership Number

8. Any other relevant information:

Part- II : Details of the Proposed Product

Sr No.	Subject
1.	Name of the product:
2.	Brief Description of the product including its functions/applications
3.	Intended End User: Army/Navy/Air Force/ Para Military.
4.	Preliminary specification of Material, Dimensions/ Weight etc
5.	Image of the product, if already developed (may be attached as Annexure)
6.	Tentative cost of the equipment/ system
7.	Proposed timelines for development of prototype and if successful production and delivery timelines
8.	Proposed methodology for evaluation
9.	Details of inspection agency/ Accredited lab likely to be involved
10.	Approximate Indigenous Content
11.	Equipment/ System life
12.	Whether proposed equipment/ system being offered is an upgrade/ Innovation? If yes, Please elaborate.
13.	Is any other similar product available with world market? If Yes, a brief comparison of capability/ performance/Cost etc may be furnished
14.	Any patents existing
15.	If product is yet to be developed, please indicate the following in detail:- (i) Assistance required from end user, If any. (ii) Time frames envisaged

Note: The firm/ individual may attach Video/ images etc of the proposed product separately.

Declaration It is certified that the above information is true.

Date:

(Authorised Signatory)

Imp: Suo Moto proposals to be forwarded through
Defence Investor Cell (definvestorcell@dpmod.gov.in)

SUPPORTING INCUBATION OF TECHNOLOGY IN DEFENCE

iDEX

Aim. Creation of an ecosystem to foster innovation and technology development in Defence and Aerospace. iDEX functions as the executive arm of Defence Innovation Organization (DIO) formed as a “not for profit” company.

Funding. Defence Innovation Fund (DIF) will be managed by iDEX.

ATB

Aim. Army Technology Board (ATB) is to support R&D in Academic Institutions in the field of Defence Technology through innovation and integration with existing equipment.

Funding. ATB will fund projects on a milestone linked plan.

TDF

Aim. Technology Development Fund (TDF) encourages participation of public/ private industries to create an eco-system for enhancing cutting edge technology capability for defence application. Proposals that can be supported by TDF are

- Significant up-gradation/ improvements/ further developments in the existing products/ process/ application.
- Technology readiness level up-gradation from TRL3 onwards.
- Development of futuristic technologies/ innovative products.
- Import substitution of components.

CREATING OPPORTUNITIES FOR INDUSTRY AND ACADEMIA

ARTECH. ADB conducts an annual Army Technology (ARTECH) Seminar in January every year in Delhi, focussing on the requirements of niche technologies required by Indian Army. Its an ideal opportunity for academia & industry to showcase their technologies and products.

Field Visits. ADB facilitates visit of industry and academia representatives to Operational Areas to assist them assimilate the operational and terrain specific requirements where the product developed by them needs to be exploited.

GLIMPSES OF INDIGENOUS DEFENCE INDUSTRY CAPABILITY



Disclaimer

The information given in this brochure is only indicative and cannot be quoted as authority. For any queries contact us on the details given on the back cover.

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Established 90 years ago, FICCI is the largest and oldest apex business organization in India. Its history is closely interwoven with India's struggle for independence, its industrialization, and its emergence as one of the most rapidly growing global economies.

A non-government, not-for-profit organization, FICCI is the voice of India's business and industry. From influencing policy to encouraging debate, engaging with policy makers and civil society, FICCI articulates the views and concerns of industry, reaching out to over 2,50,000 companies. FICCI serves its members from large (domestic and global companies) and MSME sectors as well as the public sector, drawing its strength from diverse regional chambers of commerce and industry.

The Chamber with its presence in 14 states and 10 countries provides a platform for networking and consensus-building within and across sectors and is the first port of call for Indian industry, policy makers and the international business community.

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