



**CODISSIA DEFENCE INNOVATION
AND ATAL INCUBATION CENTRE**

Special points of interest:

- **DGQA Cell at CODISSIA**
- **Tenders and EOI at Indian Airforce**
- **Requirements from Naval Ship Repair Yard**

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CDIIC—Newsletter

CODISSIA Defence Innovation and Atal Incubation Centre

“Supported by Atal Innovation Mission, NITI Aayog”



Introduction

CDIIC – “CODISSIA Defence Innovation and Atal Incubation Centre”, a not-for-profit section 8 company, established by its founding association – CODISSIA, in the year 2019, with the aim of bridging the gap between the Defence requirements & the skilled Vendors and to provide the required hand-holding, support & guidance needed by individuals/start-ups to commercialise their products.

CDIIC intends to integrate start-ups by:

Identification – CDIIC will identify talents, start-ups, ideas, businesses, products and services by conducting Competitions/Hackathons and also through the requirements of customers.

Innovation – Start-ups/businesses having proof of concept, prototype, IPR, etc., with potential business would be provided the required Mentoring and Technical support by CDIIC to help them commercialise their product and graduate from the incubation centre.

Indigenisation – CDIIC will identify the products/services available for indigenisation by Defence for Import Substitution and intimate the same to the MSME/SME vendors. This will be done by routing information received directly from Defence forces/circulating the details posted on the official sites of Defence.

Incubation – CDIIC will provide Co-working space, test/lab facility, Seed funding, networking, etc., to the incubatees. CDIIC will create an AIC-specific start-up/entrepreneurship facility for its incubatees.

CDIIC is glad to announce that it has received the first tranche of funds from CODISSIA and Atal Innovation Mission (AIM) and has started the operations of its incubation centre at the city office.

We invite innovative technology based start-ups to join CDIIC and get accelerate towards success.

INDUCTION OF RAFALE IN INDIAN AIR FORCE



The first five Indian Air Force (IAF) Rafale aircraft have arrived at Air Force Station, Ambala. The aircraft got airborne from Dassault Aviation Facility, Merignac, France on the morning of 27 Jul 20 and reached India with a planned stopover en-route at Al Dhafra airbase in the UAE .

The ferry was planned in two stages and was undertaken by IAF pilots. The aircraft covered a distance of nearly 8500 km from France to India. First stage of the flight covered a distance of 5800 km in seven and a half hours. French Air Force (FAF) Tanker provided dedicated Air-to-Air Refuelling support during the flight.

The second stage of the flight covering over 2700 km was carried out with Air-to-Air Refuelling by IAF Tanker. IAF deeply appreciates the proactive support provided by the French Government and Industry in France to ensure timely delivery. The tanker support extended by French Air Force during the ferry was crucial in ensuring that the long haul flight was accomplished successfully and in a time bound manner.

The aircraft will be a part of 17 Squadron, the “Golden Arrows”, which was resurrected on 10 Sep 19. The Squadron was originally raised at Air Force Station, Ambala on 01 Oct 1951. 17 Squadron has many firsts to its credit; in 1955 it was equipped with first jet fighter, the legendary De Havilland Vampire. In Aug 1957, the Squadron became the first to convert on to a swept wing fighter, the Hawker Hunter.

A formal induction ceremony of Rafale aircraft in 17 Squadron is scheduled to be held in the second half of Aug 2020. Details of the ceremony will be intimated in due course.

Source: <https://indianairforce.nic.in/content/induction-rafale-indian-air-force-0>

ABOUT DASSAULT AVIATION AND INDIA:

Dassault Aviation aircraft have been an integral part of Indian defence forces for over six decades. The first Dassault Aviation aircraft, Toofani was supplied to India in 1953, followed by the Mystere IV, the naval Alize, the Jaguar (manufactured under license by HAL), and the Mirage 2000. These aircraft have contributed to Indian sovereignty all along and the Mirage 2000 fighter aircraft continues to be the IAF’s ‘cutting edge’ till date. 36 Rafales fighter aircraft has been acquired on September 23rd 2016 to equip the Indian Air Force.

Source: <https://www.dassault-aviation.com/en/group/press/press-kits/first-ferry-of-indian-air-force-rafale-to-ambala-air-force-station-to-integrate-n17-squadron-golden-arrows/>



गुणता आश्वासन महानिदेशालय DIRECTORATE GENERAL OF QUALITY ASSURANCE

DGQA FACILITATION CELL AT CODISSIA

To empower the CODISSIA Members/ regional MSMEs/Entrepreneurs to register under the Directorate General Quality Assurance (DGQA) for Indigenization of components, spares and guide them in certification/supply to the Armed forces, a DGQA Facilitation Center has been established at CODISSIA. This cell will be operational two days a week (as per the availability of the Nodal officer) during which CDIIC will coordinate sessions with the DGQA representative, for clarification of doubts and details of further processing. The cell will enable vendors to participate in Tenders issued by Procurement Agencies in MoD (Ministry of Defence), which includes Ordnance Factories (OFs) under Ordnance Factory Board (OFB) and Defence Public Sector Undertakings (DPSUs). (Meetings only on prior appointments)

STANDARD OPERATING PROCEDURE (SOP) FOR PERFORMING ACTIVITIES WITH RESPECT TO VENDOR REGISTRATION AND INDIGENISATION EFFORTS

- **Stage 1:** List of items for indigenisation will be shared with all Regional MSMEs
- **Stage 2:** Individual companies, based on their core competency, will identify product (s) which they can indigenise and intimate the same to CDIIC / Nodal Officer, DGQA.
- **Stage 3:** Upon selection of product (s) by individual companies, on-site assessment to determine the capabilities and potential of the firm will be conducted.
- **Stage 4:** Upon satisfactory on-site verification, the company will be required to register with Directorate General Quality Assurance (DGQA). The Procedure for the same will be explained by the Nodal Officer, DGQA.
- **Stage 5:** Upon successful DGQA Vendor Registration, the firm will be required to submit a project proposal, which will be forwarded to the concerned procurement agency for approval.
- **Stage 6:** The project proposal will include detailed procedures with respect to design and development, production and validation of prototype being indigenized
- **Stage 7:** Upon validation of the prototype, the Nodal Officer, DGQA / CDIIC will facilitate with respect to supply of stores for defence

NODAL OFFICER

Dr. T. K. Varadarajan, SQAQ, SQAQ (ME), Aruvankadu, DGQA has been nominated by the DG, DGQA, as the nodal officer for the DGQA Facilitation Cell at CODISSIA, [Meetings on prior registration only.] . Interested members kindly drop a mail to info@cdiic.in to register your participation in the DGQA Facilitation Cell at CODISSIA. • DGQA Facilitation Cell at CODISSIA will be operational 2 days per week (as per the availability of Nodal officer). Nodal officer will also be available at the cell on demand /necessity basis.

LIST OF PRODUCT FOR INDIGENIZATION FROM DDP Achieving self-reliance in defence manufacturing is one of the key objectives of Department of Defence Production (DDP). For this purpose, the focus of the Department has been on reducing dependency on imports and indigenisation of the items presently being imported. Towards this, OFB, DPSUs and Service Head Quarters (SHQs) have identified the items which, at present, are being imported and are intended to be indigenised through Indian vendors

Link: <https://www.makeinindiadefence.gov.in/pages/indigenisation>



DGQA FACILITATION CELL AT CODISSIA, COIMBATORE

Active participations from member firms— About 30 member firms have shown interest in this cell and have had meeting(s) with Dr. T. K. Varadarajan, Nodal Officer, DGQA Facilitation Cell, CODISSIA, Coimbatore, out of which we have identified 10 firms who have expressed their willingness in production of item(s) from the updated list of indigenisation, as available on the Department of Defence Production (DDP). CDIIC is now in the process of sending mails to the concerned DPSU(s)/defence force(s) to intimate the selection of items from their list. Apart from this, we are also receiving several general enquiries from members as well as non-member industries regarding the operations of the DGQA Facilitation Cell.

TENDERS FOR INDIGENOUS DEVELOPMENT WITH INDIAN AIR FORCE

Based on requests received by the Society of Indian Defence Manufacturers (SIDM) from MSMEs during SIDM MSME Conclave that it is difficult to glean the information directly from CPPP portal, the Directorate of Indigenisation at Air HQ has taken the initiative to list out reference details of various on-going RFP/RFI/EoI pertaining to indigenisation issued / hosted on CPPP portal by Directorates at Air HQ, HQ Maintenance Command, Base Repair Depots and No. 1 CIMD in the Indian Air Force website.

The data can be accessed through IAF website <https://indianairforce.nic.in/> ==> MAKE IN INDIA ==> INDIGENISATION ==> RFI/RFP/EOI DATA

The information will be updated on a weekly basis, every Friday.

Link: <https://indianairforce.nic.in/sites/default/files/Website%20hosting%20data%20as%20on%2031%20Jul%202020.pdf>

DEFENCE EXPORTS PROMOTION

The Department of Defence Production (DDP) was set up in November 1962 with the objective of developing a comprehensive production infrastructure to produce the weapons, systems, platforms, equipment required for defence. Over the years, the Department has established wide ranging production facilities for various defence equipment through the Ordnance Factories and Defence Public Sector Undertakings (DPSUs). The products manufactured include arms and ammunition, tanks, armoured vehicles, heavy vehicles, fighter aircrafts and helicopters, warships, submarines, missiles, ammunition, electronic equipment, earth moving equipment, special alloys and special purpose steels.

'Defence Exports Promotion' portal under DDP is a single window for submitting the application for export authorisation/license by the industry for Special Chemicals, Organisms, Materials, Equipment and Technologies (SCOMET) Category 6/ under Arms Rules in Form A X-A and processing and issue of the export authorisation by the Department of Defence Production. The portal is also a medium to receive discreet Export leads for the benefit of defence exporters.

Export Promotion cell under DDP, MoD has been formed to co-ordinate and follow-up on export related action including enquiries received from various countries and facilitate private sector and public sector companies for export promotion.

The functions for the Export Promotion Cell setup under DDP are as under:

- a) Coordinate and follow-up export activities including enquiries received from various countries.
- b) Regular interaction/ Coordination with the Defence Attaches (DA) of the potential buyer countries.
- c) Establish linkages between export promotion activities and exhibition.
- d) Interaction with potential buyer countries and setting up meetings with the industry and follow-up after the exhibition.
- e) Facilitating development of promotional materials, audio-visual films, and timely dissemination of information to respective countries.
- f) Facilitate coordination between Private Industry and MOD for export promotion.
- g) Interaction with different chambers of commerce like Federation of Indian Chambers of Commerce & Industry (FICCI), The Associated Chambers of Commerce and Industry of India (ASSOCHAM) etc for export potential opportunities.

For further details : https://www.defenceexim.gov.in/show_content.php?id=1

REQUIREMENT FROM NAVAL SHIP REPAIR YARD, KOCHI

- Naval Ship Repair Yard has been searching for firms with expertise in calibration /repair of **Fuel Injection Pump calibration / test stand of make HARTRIDGE (HA 2500)**. In case any firm under CODISSIA has the necessary expertise, you may forward the details to info@cdiic.in
- **Repair / Maintenance / Training capability** with respect to the following equipment: Fuel Injection Pump Calibration / Test Stand, HP Water Jetting Machine, Expansion valve testing machine, Robotic Imager, Motor Test Bay, Combination test set, Electroplating Bay, High capacity cranes, stackers, BOTs, 3D Printing technology / 3D modelling and Sewage Treatment Plant
- **Capability in carrying out repair / refurbishment of**
 - (i) Machinery spares, viz., gears, seals, fasteners, belts, resilient mountings, FIPs, valves, impellers, casing, etc.
 - (ii) Electrical spares, viz., cables, meters, breakers, switches, junction boxes, solenoids, etc.
 - (iii) Electronic spares, viz., sensors, relays, control panels, PCBs, voltage regulators, etc.
 - (iv) Pneumatic hydraulic spares viz., reducers, distributors, seals, manifolds, stabilizers, actuators, etc.

We request all members having capabilities in the area listed above, to kindly send us the relevant details, to info@cdiic.in, so that the same may be forwarded to the concerned office



AIM iCRESt Program – initiative to develop world class incubators

AIM over the last few years has created a network of incubators that energize the innovation value chain in India. Through this current initiative it is now seeking to improve sustainability and effectiveness of these incubators through consistent support and capacity building. With this objective in mind, AIM in partnership with **Bill and Melinda Gates Foundation, and Wadhvani Foundation** has created for you **AIM iCRESt ((Incubator Capabilities enhancement for a Robust Ecosystem for high performing Startups)) Program** ; which will be offering incubators access to intensive training and mentoring sessions aimed at improving capacity of incubator managers and helping them produce more viable successful startups.

Call for partnership

AIM encourages all organizations, MSMEs, industry players, to share with us, resources that can help in speedy scaling up and deployment of innovative solutions. These may include resources such as idle capacity available for manufacturing, testing labs, CSR funds, infrastructure, logistics, mentoring support, access to investor networks, etc. Please fill in all such details in the google form link [here](#).

The Atal Innovation Mission

AIM is a flagship initiative set up by the NITI Aayog to promote innovation and entrepreneurship across the length and breadth of the country, based on a detailed study and deliberations on innovation and entrepreneurial needs of India in the years ahead.

AIM is also envisaged as an umbrella innovation organization that would play an instrumental role in alignment of innovation policies between central, state and sectoral innovation schemes incentivizing the establishment and promotion of an ecosystem of innovation and entrepreneurship at various levels - higher secondary schools, science, engineering and higher academic institutions, and SME/MSME industry, corporate and NGO levels.

Long term goals of AIM include establishment and promotion of Small Business Innovation Research and Development at a national scale (AIM SBIR) for the SME/MSME/startups, and in rejuvenating Science and Technology innovations in major research institutions of the country like CSIR (Council of Scientific Industrial Research), Agri Research (ICAR) and Medical Research (ICMR) aligned to national socio-economic

YuWaah Youth Challenge

- AIM has partnered with UNICEF and YuWaah, with support from Design for Change, to launch the YuWaah Youth Challenge! <<http://youthchallenge.designforchangeindia.com/#how>>.
- **Highlights of the #ImaginationUnlimited – YuWaah Youth Challenge –**
- Calls upon young people (10-24 years) from across the country
- To create solutions for some of the challenges faced by the society in the wake of COVID-19.

AIM

To tap into the creative and problem-solving minds of young people, encouraging young change makers and solution providers of the future.

The Youth Challenge calls for applications from young people to create solutions around the following themes:

- Environment,
- Education,
- Health,
- Livelihood
- Information

IMPORTANT DATES	
<i>SUBMISSION DEADLINE:</i>	<i>August 10th 2020</i>
<i>ANNOUNCEMENT OF RESULT:</i>	<i>August 15th 2020</i>
NO REGISTRATION OR PARTICIPATION FEE!	

CDIIC encourages all young minds to take this wonderful opportunity and register in the Youth Challenge. Link - <http://youthchallenge.designforchangeindia.com/#how>

CDIIC Incubation Selection Committee Meeting held on 01st July, 2020



Startups Selected for Incubation at CDIIC

- **VIKRA OCEAN TECH PVT. LTD.** – The start-up designs and develops state-of-art underwater robotic systems which can be used in ocean and inland underwater applications.
- **APPVILLE SOFTWARES** – The start-up develops technology solutions (AR/VR), for the industries in the area of troubleshooting, installation, maintenance and marketing with creation of digital experience using immersive technologies.
- **JESUANS ENGINEERING INDIA PVT LTD** – This start-up focuses on Clean energy products and has taken up Design and Development of solar power electric vehicles.
- **GARUDAN UNMANNED SYSTEM PRIVATE LIMITED**—This start-up is dedicated to developing Unmanned Aerial Vehicle technology that gives customers total control over the air space using Quadcopters, fixed wing UAVs and Rotatory UAVs.

- CDIIC had invited startup applications from companies working with disruptive technologies, following which about 10 applications were received within the due date. Out of the 10 companies, 4 start-ups were called for the introduction meetings with the GM-CDIIC. These 4 start-up applications, along with their product details were forwarded to the CDIIC Incubation Selection Committee.
- The CDIIC Incubation Selection Committee was called on 01st July 2020, in which all the 4 start-ups gave details presentations about their business plan and their products. The Incubation Selection Committee panellists, after proper evaluation of the company and its idea and discussion, decided to accept all 4 applications for our Atal Incubation Centre.

1st Meeting for CDIIC Machinery Purchase Discussion at CODISSIA Board Room - 08th July 2020



Mr. R. Ramamurthy, President, CODISSIA, **Mr. V. Sundaram**, Director, **Mr. E.K. Ponnuswamy**, Director, CDIIC, **Mr. K.V. Ganapathi**, Member, CDIIC, **Mr. M.V. Ramesh Babu**, Vice President, CODISSIA, **Mr. R. Sasidaran**, **Mr. G. Vijaya Rangha Rajan**, **Mr. R. Shasikumar**, **Mr. N. Rajendran**, CDIIC Purchase Committee Members, **Mr. G.D. Rajkumar**, Vice President, COINTEC, **Mr. R. Jagannathan**, Past Treasurer, CODISSIA.

Activities at CDIIC

- **DGQA Facilitation Cell meetings**— Nodal officer, DGQA and GM-CDIIC had interactive meetings with interested member firms on 11th & 13th July as well as on 27th & 28th July 2020
- **Incubation Selection committee meeting**— CDIIC Incubation Selection Committee Meeting, for evaluation and finalization of incubatees for CDIIC, was conducted on 01st July 2020 at CDIIC registered office.
- **01st Machinery Purchase Discussion meeting**— CDIIC Discussion meeting for Machinery Purchase for the Atal Incubation Centre was held on 08th July 2020 at CDIIC registered office.
- **GEDEE Weiler factory Visit**— Following the machinery discussion meeting, the directors of CDIIC, members of Purchase Committee and Special invitees made a visit to Gedee Weiler Pvt Ltd on 11th July 2020
- **Vendor Discussion meeting 1**— First round of Vendor discussion for CDIIC machinery purchase was held on 20.07.2020 at CDIIC registered office
- **Vendor Discussions Meeting 2**— Second round of Vendor discussion for CDIIC machinery purchase was held on 31.07.2020 at CDIIC registered office.

CDIIC Article in The Hindu, Coimbatore edition dated 09th July 2020

Codissia to incubate 10 start ups this year at its facility in Coimbatore

M. SOUNDARIYA PREETHA
COIMBATORE

The defence innovation and incubation project, an initiative by the Coimbatore District Small Industries Association (Codissia) with the support of the Government to promote MSME participation in the defence sector, has taken off in Coimbatore.

With the Central Government providing ₹ 2 crore and the industrial association bringing in ₹ 2.3 crore, the Atal Incubation Centre has been commissioned. It plans to incubate 10 startups at the facility this year.

Director of Codissia Defence Innovation and Atal Incubation Centre V. Sundaram and Codissia president R. Ramamurthy told *The Hindu* on Wednesday that four incubatees were identified so far and they would be at the centre for a maximum of three years. The startups

were established one or two years ago and were into areas such as Artificial Intelligence, drones, and electric vehicles. They would get co-working space at the Centre, mentoring facilities, and machinery that they can use to develop their products.

"We (the centre) will place orders for machinery in another 10 days. The investment in machinery will be roughly ₹ 3 crore. It will be like a tool room that the incubatees can use," Mr. Sundaram said. Nearly 15 applications were received and four startups were identified. Another six will be selected soon. "The advantage for these startups in the project is the linkage they will get with industries and exposure to the defence sector," Mr. Sundaram added.

There will be regular interactions with the authorities concerned from the defence

sector. Further, members of Codissia and other MSMEs in the region that are looking at developing new products can partner with the startups and fund them to develop these. The plan is to make the MSMEs partners of the startups so that both benefit. Though the products conceptualised and developed by the startups at the incubation centre need not be directly linked to the defence sector, these can be applied for several purposes in the sector. For instance, the drone or AI products that have been identified can have defence applications too. Apart from the Atal Incubation Centre, a nodal officer for the Director General Quality and Assurance of the Ministry of Defence will be available at the Codissia office on Fridays and Saturdays. Industries that want to supply to the defence sector

can contact the officer and register their unit. The officer will inspect the unit and if it gets his certification, it can participate in defence tenders, according to Mr. Sundaram and Mr. Ramamurthy.

As part of the indigenisation programme of the defence sector, several products have been identified for manufacturing. However, the MSMEs will not know the priority that the products that they work on will get. The units will invest in product development and if the particular product is not a priority, they may not get immediate orders. Hence, a group of MSMEs here have been encouraged to start identifying and working on a few products.

This is mainly to study and understand the scope and viability of developing products locally for the defence sector, they added.

Special mention of CODISSIA and re-tweet of CDIIC news article by Dr. Ajay Kumar, Defence Secretary



CDIIC—Newsletter



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"Supported by Atal Innovation Mission, NITI Aayog"

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