



**CODISSIA DEFENCE INNOVATION
AND ATAL INCUBATION CENTRE**

CDIIC—Newsletter

CODISSIA Defence Innovation and Atal Incubation Centre

“Supported by Atal Innovation Mission, NITI Aayog”

Volume I, Issue IV

Special points of interest:

- **DGQA Cell at CODISSIA**
- **Tenders and EOI**
- **YuWaah Youth Challenge**

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 accelerated towards success.

Tamil Nadu mulls setting up corporation to make state a drone manufacture hub



Tamil Nadu is exploring the possibility of setting up a Drone Corporation to make the state a drone manufacturing hub, said an official statement. The state plans to have the hub using the drone technology developed by Anna University. A meeting to this effect was held with stakeholders on Wednesday under the chairmanship of State Development Policy Council Vice Chairman C. Ponnaiyan. Drones have wide scope for use in various sectors such as agriculture, disaster management, health, forest and wildlife, education, urban development, traffic management, mining and others.

A presentation was made by M. Annadurai, Vice President, Tamil Nadu State Council for Science and Technology and a former senior official of Indian Space Research Organisation (ISRO).

Source: <https://idr.w.org/tamil-nadu-mulls-setting-up-corporation-to-make-state-a-drone-manufacture-hub/> .

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MoD extends capital acquisition deliveries of domestic manufactures by four months

- MoD has extended the delivery period for all existing capital acquisition contracts with Indian vendors by four months due to supply chain disruptions arising out of the COVID-19 pandemic.
- An order to this effect has been issued on 12 June 2020 by the acquisition wing of the Ministry, duly approved by Raksha Mantri Shri Rajnath Singh. It states, “Force Majeure shall be applicable for a period of four months i.e. 25th March 2020 to 24th July 2020.”
- The order adds, “Duration of this Force Majeure will be excluded while calculating the delay in delivery of contracted equipment/service and imposition of Liquidated Damages charges.”
- The MoD order, however, adds that an Indian vendor is free to deliver contracted items well within the extended delivery period.
- Further, as per the order, no separate contract specific amendments are required to be made to give effect to this decision.

Source: <https://pib.gov.in/PressReleasePage.aspx?PRID=1631078>



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 on Fridays & Saturdays, 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).

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 indigenisation.

NODAL OFFICER

Dr. T. K. Varadarajan, SQAQ, SQAE (M&E), 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 (Friday/Saturday of the week). 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
<https://www.makeinindia.defence.gov.in/pages/indigenisation>

In a first, private firm to train IAF chopper pilots on simulators



- Alpha Design Technologies Limited (ADTL) and the Ministry of Defence signed a Rs 1,400-crore deal on Thursday, 25 June 2020, for setting up of two simulation centres at the Sarsawa and Bagdogra Air Force stations and providing 1,200 hours of training each year for the next 20 years.
- The deal is a build, operate and maintain model, which will see the firm not just build the physical structure and provide the simulators, but also conduct training.
- The training will be for the Russian helicopter Mi-17 V5. ADTL has been working on setting up the simulation centre for the past few years and it is ready now.

Source: <https://idrw.org/in-a-first-private-firm-to-train-iaf-chopper-pilots-on-simulators/>

Tenders and EOI

MDL tender intimation for TRC for blasting , priming and painting work of pipes and structures for P-75

MDL has requirement for hiring services for TRC for blasting , priming and painting work of pipes and structures for P-75.

Against this requirement, tender no. **800000911** dtd. 25/06/2020 has been published by MDL. Bidders need to ensure submission of their quotation on www.eprocuremdl.nic.in against Tender ID: **2020 MDL 82125 I**, on or before **16/07/2020, 1500 Hrs.** Tender no. **800000911** dtd. 25/06/2020.

Contact Details:

Jay Varghese. DGM,OTS

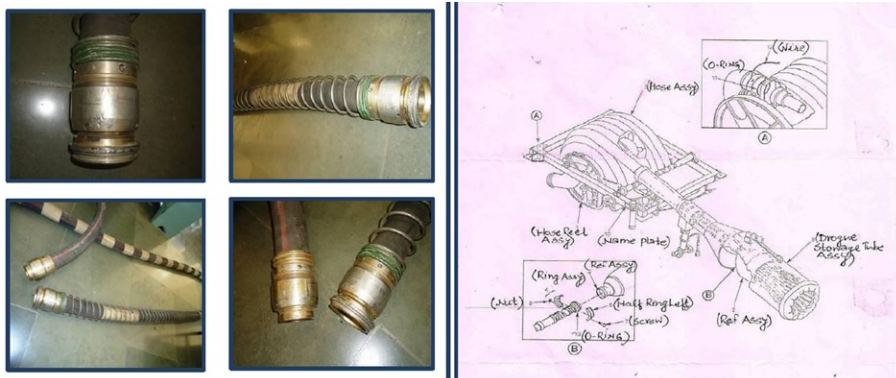
MAZAGON DOCK SHIPBUILDERS LIMITED
Dockyard Road, Mazagaon, Mumbai-400010.
TEL. NOS. (BOARD): 022-23763000,Ext-3359
MOBILE NO.: 9969894453
E-MAIL ID: jvarghese@mazdock.com

IAF EOI for Indigenous Development of Air to Air Refuelling Hose of IL-78 Aircraft

Commanding Officer, No. 1 Central Indigenisation and Manufacturing Depot (CIMD), AF on behalf of HQ Maintenance Command, Indian Air Force invites Expression of Interest (EOI) for indigenous development of **Air to Air Refueling Hose (Hose with metallic spring and End Connectors)** for use on IL-78 aircraft of Indian Air Force from reputed Indian vendors based in India.

- The interested firms/vendors are requested to submit **Technical proposal along with Budgetary Quotes** separately.
- The Sample can be inspected at ICIMD on all working days with prior intimation for necessary security clearance and formalities.
- **Eligibility Criteria:** Indian Vendors based in India with adequate technical infrastructure, R&D capability preferably with **proven experience** of design /manufacture /supply of aviation grade Refueling Hoses.
- **Financial Capacity:** The firm must be financially sound and capable of undertaking development and testing of the items and meet mutually agreed time lines of supply.
- **Following documents are to be attached while expressing interest:**
 - (a) Company profile including registration/evidence of legal status, experience, expertise.
 - (b) Financial details of last three financial years with IT return.
 - (c) Records of current projects, their valuation and completion dates.
 - (d) Details of experience in undertaking indigenous developmental tasks with Defence, Govt PSUs and other agencies, if any.
 - (e) Detailed roadmap indicating how the vendor proposes to meet the IAF requirements.
 - (f) Anticipated time frame for execution of the project.
- EOI completed in all aspects would be evaluated based on the supporting documents. The physical verification of the Firm's capability and expertise to execute the project may be carried out, if need be. **RFPs would be issued only to shortlisted and capable Firms.**
- Clarifications pertaining to the EOI may be sought before **15 Jul 20** from:

Images of Hose with metallic spring and End Connectors



Commanding Officer :
I CIMD,C/O Air Force Station Ojhar,
Nasik Pin-422221
Tele : 02550-272133
Fax : 02550-272233
E-Mail- swadeshi@nic.in

- **Last Date for submission:31 Jul 20.**
- Any additional details can be sought by e-mail. Item can be examined at ICIMD. Authorised representatives of the interested Firms are welcome to visit I CIMD, **with prior confirmation** as per given time lines.

TECHNICAL DETAILS OF AIR TO AIR REFUELLING HOSE

| | |
|----------------------------------|--|
| DESCRIPTION | AAR Hose |
| PART NO | 340-89-23-90205-101 |
| DESCRIPTION OF MAJOR ASSY | DRUM ASSY (ARP POD) |
| FUNCTION | To supply Aviation Turbine Fuel (ATF) under pressure from Tanker aircraft to receiver aircraft (The refueling operation is carried out mid-air in flight) |
| NORMS OF CONSUMPTION | Anticipated useful life of 08 years (05 yrs Storage life and 03 yrs Operational life) |
| PHYSICAL DIMENSIONS | ID: 62 mm OD: 72 mm LENGTH: Approx. 80 ft (24.3 m) WEIGHT: 140 Lbs (63.50 Kg) (Approximate) |
| WORKING TEMPERATURE | -48°C to +70°C |
| OPERATING TEMPERATURE | 50 ± 5 PSI |
| LOAD APPLIED | 420 Lbs to 620 Lbs |
| MATERIAL | Tube inner made with Nitrile Butadiene Rubber (NBR) and equivalent. Outer cover with ozone/chemical resistant (CR) and reinforcement is by Synthetic multiple textile plies with embedded wire helix. |

Hindustan Aeronautics Limited (HAL)

In order to attain a progressively higher level of self-reliance, HAL has a policy of carrying out concerted effort on indigenization of components, accessories and systems required for manufacturing as well as repair & overhaul of aircraft, engine and equipment. Indigenization with the primary objective of achieving Make in India and lowering dependence on foreign countries especially for critical items is one of the key thrust areas of HAL.

The major objectives of Indigenisation and categories of items taken up for indigenization at HAL are as follows:

- Items which have become obsolete, or with delayed supply / no supply from OEMs and thereby holding up production.
- Items that are going to be obsolete.
- High value items which are leading to high FE expenditure.
- Items being procured in high volume and in overall leading to high FE expenditure.
- All items especially the Class 'C' items where the technical details / drawings are available.
- Class 'C' items where the technical details are not available but can be easily indigenized.

Items which are proprietary in nature and can create production hold up

LIST OF ITEMS FOR INDIGENISATION AT HAL ALONG WITH DIVISION WISE NODAL OFFICERS

<https://hal-india.co.in/Common/Uploads/PDFS/List%20of%20Items%20hosted%20in%20HAL%20Website%20for%20Indigenisation%20-%2004%20May%202020.pdf>

Su-30MKI Tools Testers and Ground Equipment (TTGE) - Maintenance, Repair & Indigenisation for Follow on Support under " Make in India"

<https://hal-india.co.in/Common/Uploads/DMS/TTGE7717.pdf>

BEML LIMITED (BEML)

BEML has set up 'Make in India' Display Centre at our facility in Bangalore Complex, New Thippasandra, Bangalore – 560075, where prospective vendors can have access to samples, drawings and technical specifications. Interested vendors can visit the facility to explore opportunities to partner with BEML.

For further details please contact

Corporate Planning & Materials)

BEML Limited, BEML Soudha, 23/1, 4th Main, SR Nagar,

Bengaluru - 560 027.

Karnataka, India.

LIST OF ITEMS FOR INDIGENISATION AT BEML

https://www.bemlindia.in/writereaddata/Downloads/202006101527Items_For_Indigenization_10Jun2020.pdf



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 needs.

AIM FIGHTS COVID19

Given the unfortunate health crisis that the globe is currently facing, Atal Innovation Mission is actively involved in multiple initiatives to help deal with the crisis.

Initiatives by AIM

Working Group - In order to mitigate the impact of COVID19, AIM is facilitating an inter-ministerial working group of the Government of India for identifying startup solutions that can address the current COVID19 crisis.

This group includes representatives from various government ministries / departments such as Department of Science and Technology, Department for Promotion of Industry and Internal Trade, Department of Biotechnology, Startup India, Principal Scientific Advisor's office among others.

Call for partnership

AIM encourage 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](#).

YuWaah Youth Challenge

- AIM has partnered with UNICEF and YuWaah, with support from Design for Change, to launch the YuWaah YouthChallenge! <<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>REGISTRATION DEADLINE:</i> | <i>July 15th 2020</i> |
| <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>

STARTUP INDIA

STARTUP INDIA RECOGNITION & TAX EXEMPTION

Startup Recognition:

Under the Startup India Action Plan, startups that meet the definition as prescribed under [G.S.R. notification 127 \(E\)](#) are eligible to apply for recognition under the program. The Startups have to provide support documents, at the time of application.

<https://www.startupindia.gov.in/content/sih/en/startupgov/startup-recognition-page.html>

Eligibility Criteria for Startup Recognition:

The Startup should be incorporated as a private limited company or registered as a partnership firm or a limited liability partnership

Turnover should be less than INR 100 Crores in any of the previous financial years

An entity shall be considered as a startup up to 10 years from the date of its incorporation

The Startup should be working towards innovation/ improvement of existing products, services and processes and should have the potential to generate employment/ create wealth. An entity formed by splitting up or reconstruction of an existing business shall not be considered a "Startup"

Startup India: 80 IAC Tax exemption:

Post getting recognition a Startup may apply for Tax exemption under section 80 IAC of the Income Tax Act. Post getting clearance for Tax exemption, the Startup can avail tax holiday for 3 consecutive financial years out of its first ten years since incorporation.

Eligibility Criteria for applying to Income Tax exemption (80IAC):

The entity should be a recognized Startup

Open Innovation Challenge

Office of the Principal Scientific Adviser to the Gov in partnership with Invest India under the 'Waste to Wealth' mission announces -COVID-19 Biomedical Waste Treatment: An Innovation Challenge

The Prime Minister's Science, Technology and Innovation Advisory Council (PM-STIAC) through the Office of the Principal Scientific Adviser (PSA) to the Government of India has set up the "Swachh Bharat Unnat Bharat" Waste to Wealth Mission to identify technology solutions for India's waste challenges.

The mission invites technology applications from startups, corporates and entrepreneurs from research institutions to address the challenge of safe collection, disposal/ treatment of large volumes of waste being generated during the ongoing COVID-19 pandemic which includes the use of masks, gloves, and PPEs by not only frontline workers and airports and railway stations but also by household community individuals such as sanitary municipal workers, barbers, the food business and the general population.

Program Details

- Indian industry, startups, entrepreneurs and research institutions
- Innovations & solutions which can be deployed immediately are eligible

15 JULY, 2020 Application End Date

Login to apply

<https://www.startupindia.gov.in/content/sih/en/biomedical-waste-treatment-innovation-challenge.html>

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