

CODISSIA Defence Innovation and Atal Incubation Centre

“Supported by Atal Innovation Mission, NITI Aayog & Defence Innovation Organisation, MOD”

Special points of interest:

- **MOU with IAF**
- **DGQA Activates**
- **Startups**
- **Indigenization Opportunities at CDIIC**

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.

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

CODISSIA Defence Innovation and Atal Incubation Centre (CDIIC) signs MoU with the Indian Air Force (IAF)



Aero India 2021, held at Bengaluru, on 05th February 2021 in the presence of **Hon. Raksha Mantri Shri. Rajnath Singh, Chief of Defence Staff General Bipin Rawat and Secretary (Defence Production) Shri. Raj Kumar**. The IAF was represented by **Air Vice Mshl S Ramakrishnan, AVSM, VSM, Assistant Chief of Air Staff (Maintenance Plans)** while CDIIC was represented by **Shri. M.V. Ramesh Babu, President, CODISSIA/Director, CDIIC and Shri. V. Sundaram, Past Director, CDIIC**.

We wish to extend our heartfelt gratitude to the Air Officer Commanding (AOC) of 5BRD, Sulur, IAF, P K Sreekumar, VSM, for his continuous support in constructing this MoU.

The MoU was signed with an objective of finding solutions for Repair & Overhaul/indigenisation of parts, sub-assemblies, assemblies, aggregates, LRUs, etc for aircraft of the IAF and to provide mentoring to the startup companies incubated at CDIIC. Being India's First Defence Innovation Hub as well as an Atal Incubation Centre, CDIIC also participated in various events at the Aero India 2021, including the Startup Manthan 2021 organised by Defence Innovation Organisation (DIO) in which the directors of CDIIC had a constructive interaction with **Dr. Ajay Kumar, IAS, Defence Secretary and Shri Sanjay Jaju, IAS, Additional Secretary, Defence Production**. In our discussion with the Defence Secretary, it was revealed that the Ministry of Defence (MOD) has plans to pump in more funds in Defence-based startups under the iDEX initiative and support MSMEs to take up indigenization projects under Atma Nirbhar Abhiyan. CODISSIA started working to host Defence Manufacturing Expo at our Trade Fair Complex.

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गुणता आश्वासन महानिदेशालय

DIRECTORATE GENERAL OF QUALITY ASSURANCE

गुणता से विश्वास

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 Centre has been established at CODISSIA. This cell will be operational on 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 indigenize 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

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

DGQA FACILITATION CELL AT CODISSIA, COIMBATORE



Active participations from member firms— more than 140 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 40 firms who have expressed their willingness in production of item(s) from the updated list of indigenisation, as available on the Defence 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 including start-ups regarding the operations of the DGQA Facilitation Cell.

CDIIC — Webinar on “Defence Indigenisation Opportunities and DGQA Vendor Registration”

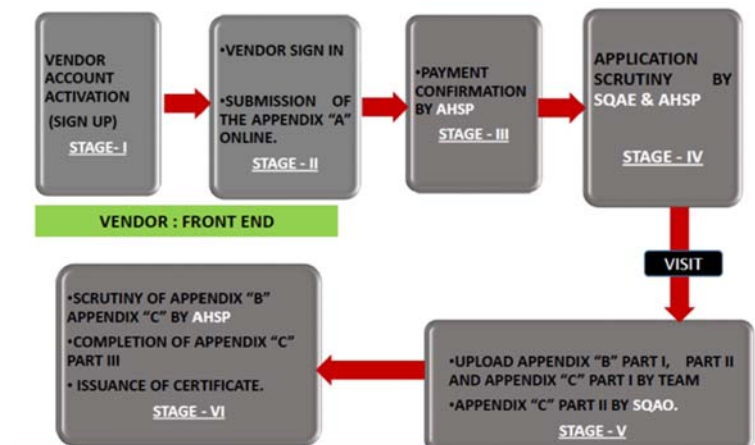
With a view to provide a better understanding about the DGQA Vendor Registration process, CDIIC organised a WEBINAR ON DEFENCE INDIGENISATION OPPORTUNITIES & DGQA VENDOR REGISTRATION on 09.01.2021

Speaker(s): Dr. T. K. Varadarajan, Nodal Officer, DGQA Facilitation Cell, Coimbatore and **Resource Person:** Mr. S. Palaniappan, Retd. Director, SQOA, DGQA.

More than 50 industries participated in the webinar; the flow chart of registration process along with the checklist of documents required to be submitted was circulated to the attendees for easier access.



DGQA VENDOR REGISTRATION FLOW CHART & SUPPORTING DOCUMENTS



CHECKLIST OF DOCUMENTS TO BE FURNISHED FOR CAPACITY ASSESSMENT

- Vendor fills Appendix 'A' of JSG 015:2018 (Fourth Revision)
- Valid Factory license/clearance from Directorate of Industries (DIC), NSIC/MSME of concerned area/zone wherever applicable as per existing laws. In case exempted from / not bound to obtain factory license, certificate from competent authority to that effect.
- Mandatory certificates/documents of approval from respective agencies for the process/item/equipment/industry.
- Copy of approved layout of the premises clearly depicting areas for Production (plant & machinery), bond rooms, inspection, etc.
- Copies of ownership documents i.e., deed/rent agreement (for at least 3 years) registered at Registrar/Sub Registrar, Land Revenue Department for Factory land & Registered office.
- Copies of certificate of incorporation/partnership deed as applicable.
- Copies of certificates for accreditation of QMS, EMS, Lab mgt system, etc. to applicable ISO standards.
- Particulars of Directors/Partners certifying that they are not Proprietor/Partner/Director of any firm with whom business dealings are suspended/banned by Govt.
- Letter authorising authorised signatory for documents related to capacity assessment.
- Organisation chart

Please refer following link for more details on DGQA Registrations: <https://www.dgqadefence.gov.in/cqv/guidelines>



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.

<https://aim.gov.in/>

FUND OF FUNDS FOR STARTUPS



The Fund of Funds (FFS) for startups has been established to provide funding support for development and growth of innovation driven enterprises as well as to address one of the key challenges faced by startups in India i.e. access to risk capital. Due to lack of collateral, uncertain cash flows and unconventional business models, startups are unable to raise financing through traditional sources such as banks and Non-Banking Financial Companies (NBFC). Besides this, the high-risk nature of startups, wherein a significant percentage fail, reduces their investment attractiveness for traditional financiers.

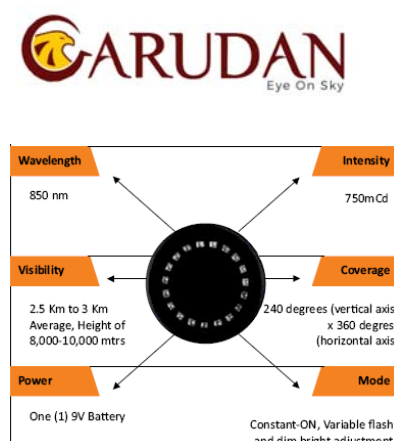
The Fund has been structured as a Fund of Funds, which means that it does not invest directly in startups but rather participates in the capital of Securities and Exchange Board of India (SEBI)-registered Category-1 and Category-2 Alternate Investment Funds (AIFs). The tenure of the AIF supported under FFS will be initially up to 12 years. The FFS is managed by Small Industries Development Bank of India (SIDBI), which has issued its operational guidelines. The AIFs supported by FFS shall invest at least twice the amount of contribution received from FFS in startups qualifying as per the Gazette Notification G.S.R.501 (E) dated 23 May 2017, issued by Government of India and as amended from time to time. The aggregate contribution to the corpus of AIFs from Fund of Funds being operated by different Ministries of the Government of India / State Governments shall not exceed 35% of its corpus. The Fund of Funds shall have representation on the governance structure/ board of the venture fund based on the contribution made.

The Fund of Funds was set-up in 2016 with a total corpus of Rs 10,000 Crores to be built over the 14th and 15th Finance Commission constituted by Government of India. As of 1st December 2020, SIDBI had committed Rs 4326.95 Crores to 60 AIFs, which have raised a total corpus of Rs 31,598 Crores, an 7X catalysing effect. Rs 1,270.46 Crores have been drawn from the FFS by 51 AIFs, which have funded 384 startups and Rs 4509.16 Crores have been invested in 384 startups through the scheme.

CDIIC SUCCESS STORIES

GARUDAN UNMANNED SYSTEMS P LTD is an incubatee of CDIIC who has successfully received a supply order from the Indian Air Force (IAF) for VAANVILI C I under the Atmanirbhar Bharat initiative and has also saved about 6 crores of the defence. **PRODUCT VAANVILI CI** is an IR Combat identifier which helps the airborne platform/ and held device to differentiate friend or foe and saves the precious lives of the troops of friendly force, gives better coordination and optimum utilization of available troops. **ATMANIRBHAR BHARAT** is a vision of our Honourable Prime Minister Shri Narendra Modi towards India becoming self-reliable. This product has been successfully tested by Indian Air force for the year of 2019-2020 in different environments and geographies and purchase on 2021 with reference Supply order for 2312 Quantities. **IAF saved around 6 Cr by purchasing the Atmanirbhar Bharat product developed by startup incubated at CDIIC**

CDIIC invites all potential startups having dual use case to apply for incubation at CDIIC and explore the vast number of opportunities in the defence sector! For more details please visit <http://www.cdiic.in/incubation>





CDIIC—INCUBATED START-UP COMPANIES DETAILS

1. VIKRA OCEAN TECH PRIVATE LIMITED

Product Name - Under Water Drone: Vikra Ocean tech is an ocean robotics company which manufactures products and provides solution for a broad range of complex underwater problems ranging from under water inspection, aquaculture, water body surveys, naval operations, environmental research to oil and gas projects.

2. JESUANS ENGINEERING INDIA PRIVATE LIMITED

Product Name - E Vehicle: Jesuans Engineering India Pvt Ltd is a one of the Solar EPC Solutions Provider in South India. We started to Focus Completely on a solar energy and its applications. EPC is the Straight forward frame to design your system, Engineering, Procurement & Construction everything done under one roof.

3. GARUDAN UNMANNED SYSTEMS PRIVATE LIMITED

Product Name - EYE ON SKY: Garudan unmanned system pvt ltd is a startup company which provide innovative, efficient and reliable solutions for the sector of Defence, Aerospace, Police forces and other prevention and protective service agencies. Our Mission is to provide next generation state of art technology "MAKE IN INDIA" UAV, Drone and Surveillance Equipment for law enforcement agencies and security forces in search and rescue operation, perimeter security and observation mission with the help of "EYE ON SKY"

4. APPVILLE SOFTWARE

Product Name -Air-Board: We, Appville Softwares, a technology driven company, deliver solutions on Industry 4.0 solutions including the below applications. Augmented reality for machinery demo (integrating your CAD software) Augmented reality for connected worker (troubleshooting machines with help of AR) Augmented reality for brochure/ exhibitions LIVE demo of machines

5. GRASS ROOT ENTERPRISE

Product Name - Unmanned Aerial Systems: A novice MSME start-up, with an honest intent to design, develop & produce innovative devices and to be a part of national self-reliance objective. It has a micro team with experienced advisors and enormous ideas & capability. Presently it is involved in software app development and conceptualization of innovative devices. At CDIIC Grass Root is working on Unmanned Aerial Systems, which is one of the idea/ product conceptualised & developed by Grass Roots.

6. DVIZIRA PRIVATE LIMITED

Product Name: Mechanical Exoskeletons: Dvizira aims to develop mechanical exoskeletons for multitude of applications. The products serve the needs in defense and other sectors equally. The external skeletons will enable human operators to push their inherent limits and reach evolutionary potential. Product developed at CDIIC - mechanical exoskeletons, Application - Military logistics & military operations

7. INNOSPIRE ELECTROTECH PRIVATE LIMITED

Product Name - Smart Borders - on line monitoring system: Innospire is a technology company focusing on Image processing based Automated System for remote border management.

8. ARPUTHA TECHNOLOGIES

Product Name - Tech Doc - Smart patient monitoring systems: Established in Jan-2020, Arputha Technologies is Product Development Company amongst the industry leading Manufacturer and Supplier, we excite its customer with its products focusing on latest technologies in Health care, Consumer electronics, Industrial automation and Automotive

9. VIRMODELLO TECHNOLOGIES PRIVATE LIMITED

Product Name - VIRTUAL- REALITY AIR SIMULATOR: We are a start-up company found in 2018, with the mission to enable every engineering companies realize its ideas into products by using the model and simulation-based product development. This technology auto enables the Industry 4.0 standard to the entity and assures the best product outcome. Our team of passionate engineers, domain experts and long industry experienced advisor panel will provide pragmatic, innovative and simplified solution to any challenging engineering predicaments.

10. AVATAR AVIATION

Product Name - Portable Hydrogen Fuel Generator: Avatar Aviation has spread its wings across the length and breadth of Tamilnadu and made several award-winning projects to Aeronautical/Mechanical students and served the Aeronautical Institutions. At CDIIC Avatar Aviation is working on portable Hydrogen fuel generator

CDIIC—DIO DEFENCE INNOVATION HUB (DIH) - OPPORTUNITES

CDIIC is closely working with Defence Innovation Organization (DIO) and all Defence Public Sector Undertakings (DPSUs) to facilitate the Atmanirbhar Bharat/ Make in India initiative by the government. CDIIC is now receiving latest indigenization requirements from DPSUs and circulating it with the regional industries. CDIIC Team is requesting firms to review the requirement listed below and communicate the selected products to us (info@cdiic.in) at the earliest.

NTC Symposium held on 31st December 2020 at the Air Force Station, Sullur.



The Indian Air Force has grown into a very formidable one over the years. It operates most modern equipment in the field of Avionics, Radars, Communication Systems, Power Systems and state-of-the-art Flying Machines. Maintenance of these aircraft and equipment requires the employment of a variety of servicing and overhaul setup.

As a centre of excellence designated agency for maintenance, up keeping and development of ground support and spares for various aircraft, the 5 Base Repair Depot (BRD) had organized an NTC Symposium on Development of spares pertaining to LCA (Tejas) Aircraft on 31 Dec 2020.

This symposium was a knowledge-sharing platform aimed to gather information about the latest developments, capability, accreditation requirements etc were discussed and deliberated upon to identify capable vendors. 5 BRD is making all efforts for Development of Items pertaining to LCA (Tejas) Aircraft through contributions of technical expertise available with prominent players in the field of aviation with the aim of gaining self-reliance.

CDIIC coordinated the event and ensured participation of about 30 firms in the event.



Products Displayed at NTC Symposium

LCA TTGE

- Brake Parachute Link Assembly
- Pylon Special Tool (Hex 80/70 mm Socket)
- Dummy PSP
- ERU 120 Ground Safety Pin
- ERU 119 Ground Safety
- DFCC/ Battery Fitment Trolley
- INGPS Fitment / Removal tool
- Brass adapter for charging EO2 Bottle

PC-7 LRUs

- Actuator Trim
- Actuator Assy Ejection Seat
- Evaporator Assy Rear
- Actuator FCU and ECS
- Emergency Power Supply PS-855B
- Indicator trim Triple
- Display Integ Second Flight (SFD)
- CVFDR
- Primary Flight Display (PFD) SB 46-004
- Regulator Oxygen OBOGS
- AHRU-LCR-100ahrs,145130-6000
- EDCU HW261850-5/SW10804
- Unit Fuel Control
- Governor, Propeller, Overspeed
- Pump Ejector Delivery
- Amplifier Fuel Qty

LCA SPARES

- Hexagonal Head Screws
- Countersunk Head Screws
- Split Pins
- Self Locking Nuts
- Couplings
- Shear Pins
- Receptacle
- Packings
- Seals and O-Rings
- Gasket
- Sleeve
- Grommet
- Ejection Seat Attachments
- Lowering Line
- Webbing Assembly

PC -7 MK II

- Adapter Fuel Manifold
- Carrier Lining Assy
- Wear Plate
- Transducer Assy
- Filter Zus OBOGS
- Mirror Assy
- Switch Toggle

- Emergency Power Supply
- Environment Control System
- Cylinder Brake Master
- Nose Landing Gear
- Main Landing Gear
- Fuel Qty Amplifier

Switch Micro 1 Pole Filote

CDIIC — Newsletter

CDIIC INVITES MEMBERS TO PARTICIPATE IN THE VENDOR MEET TO BE HELD AT THE NAVAL SHIP REPAIR YARD (NSRY), KOCHI

The Naval Ship Repair Yard (NSRY) has scheduled a vendor meet in the third week of February 2021. During this meet, all the equipment which are to be retrieved/refurbished/manufactured through MSME/vendors will be displayed at the venue.

Approximately around 100+ items are planned to be displayed. CDIIC is coordinating with the NSRY, Kochi, for identifying vendors and service support at NSRY. Other than the list of items given below, the NSRY team is also in the lookout for vendors for other support services, namely:

- Vendor identification for maintenance and operationalization of ETP
- Vendor Identification for Combat Water Hyacinth Menace
- Vendor identification for marine toilet repair
- Vendors for PCB Support / 3D Print

It is requested that the vendors/MSMEs desirous of participating the meet may forward the details of participants from their side to info@cdiic.in make necessary administrative arrangement.

List of equipment which are to be retrieved/refurbished/manufactured through MsME/vendors by NSRY, Kochi

S. No	Product	S. No	Product
1	Fire pump Centrifugal	21	DG Set Onan
2	GM Hydrant Valves Right Angle Size 65MM	22	Stator Assy
3	Volvo Penta Engine (Model - D3 170AH)	23	Firemain pump overboard Valve
4	Starting Air Compressor	24	AC Compartment educator overboard valve
5	AC Chiller Unit	25	Valve starting complete
6	Fresh Water Pump	26	pump fuel injector complete
7	PTO Control Oil Pump / Stbd Gear Box CPP Pump	27	Steering pump
8	DA Control Card	28	Air starting Motor
9	Gearbox gear Driven lub Oil Pump	29	Pump, sea water
10	SMB Engine Block (D3 Model)	30	6.5 mtr RIB Engine, 170HP, Mercruiser
11	Fresh Water Pump	31	6.5 mtr RIB Engine. 220HP. Mercruiser
12	Siren	32	Lub Oil transfer pump
13	Pump Ref Condenser A03120KBC	33	Pump AC Sea water A8100KKTE
14	Turbocharger, Exch	34	Air condition & Refrigeration plant P24C
15	EOT	35	shaft seal
16	ROT	36	HP Air compressor
17	Pump fuel injector Complete	37	AC Compressor
18	Pump Ref Condenser	38	CA Engine
19	Pump fresh water	39	DA Turbo Charger
20	fire pump	40	Starting Air Compressor

S. No	Product	S. No	Product
41	Control Air compressor	47	DA SW Pumps
42	AC SW Pumps	48	DA FW Pumps
43	FW Pumps	49	PRE Filter Pump PK 20
44	Bilge Pumps	50	High pressure pump PP 60
45	BB Pumps	51	Jocomotic Valve
46	AC CW Pumps	52	Clipard valve

UPLOADING OF RFP OF 12 X ITEMS by Dte of Indigenisation, IHQ of MOD (Army)

It is intimated that Request for Proposal of fwg 12 x items has been uploaded as on date 19 Jan 2021 on defence Procurement Portal

Ser No	Part No	Nomenclature	Qty	Tender ID
(a)	I400-12-1-30-EI(EI04-3700-0001)	Sleeve	88	2021- <u>ARMY_413696_I</u>
(b)	I400-12-1-38-DI(EI02-01-0013)	Plug	59	
(c)	I400-11-207-IEI(EI04-3642-0001)	Base Locking Pin	34	
(d)	I400-12-156-BI(EI02-0107-0003)	Torsion Bar	176	
(e)	I400-12-116-1-DI(EI02-0104-0002)	Hook	132	
(f)	I40046-2061-EI(EI04-9300-0002)	Socket	20	
(g)	I40046-4061-D2	Guiding Sheet	40	
(h)	I40045-1032-BI (EI04-8800-0004)	Sheave	40	
(j)	I40045-1311-BI(EI03-0306-0009)	Roller	24	
(k)	021941-51-EI(EI03-0308-0004)	Tightening Nut M27	154	
(l)	IEB-CZECH-SAM-1-22-6450-016	Ramp Section	02	2021- <u>ARMY_413686_I</u>
(m)	2-22-8473-010	Junction Box M5	25	

- Tenders for DPP can be searched on Government of India defence Public Procurement Portal (e Procurement) by fetching the web page by typing <https://defproc.gov.in> then click on e-Procure link given top right side. For specific DoI tenders search; select advance search by selecting "Advance Search" link below the Tender Search box select tender type as Open Tender then select Organization as IHQ of MoD (Army)-(OSCC) and typing pin code as 110066 and click on search button for all DoI active tenders. Else in the above link, tenders for IC DoI can be searched by typing "DOI/IC" (not case sensitive) in Tender Search option on the page.
- Pre Bid meeting conference in respect of the above mentioned items will be held on 02 Feb 2021 as mentioned above at DSW (EE), 512 ABW, Kirkee Pune as per fwg address.
Drawing and Specification Wing (EE)
C/o 512 ABW, Kirkee, Pune-900462
Tele No: 25816569, Fax No: 25816569
Email: eedsw-mod@nic.in
Contact Person: Col P Mathusuthanan, Joint Director, DSW (EE), Mobile - [9797477373](tel:9797477373)
- Bid submission date for above mentioned RFPs is 22 Feb 2021.**
- You are advised to go through the RFP above mentioned RFPs is 11 FEB 2021. You are advised to go through the RFP and if interested, you can submit your bids accordingly.

Dte of Indigenisation, IHQ of MOD(Army)



Repair opportunities with Indian Navy.

Aircraft & Engine Holding Unit (AAEHU), Indian Navy, Sullur is providing continuous support and encouragement to CDIIIC and help our member industries in taking up indigenization development. Southern Naval Command, has established an Indigenization cell at INS Agrani, Coimbatore and displayed various product available for indigenization and repair. Industry firms are requested to use this facility to take up products and become a defence supplier. CDIIIC will coordinate with the Officer In charge for firm visit and facilitate the project support activities. Please contact with info@cdiic.in for more details

SL	DESCRIPTION	A/C	SL	DESCRIPTION	A/C
01	PITOT TUBE	DOR	26	ADI	DOR
02	OIL PRESSURE SWITCH	DOR	27	RMI	DOR
03	OIL PRESSURE TRANSMITTER	DOR	28	LIMITER ASSY TORQUE	DOR
04	ELT TX	DOR	29	INDICATOR	DOR
05	TOTALIZER	DOR	30	IFF 1410 A INDICATOR	DOR
06	FLOWMETER	DOR	31	RDR2000/2001 RT	DOR
07	UN FEATHERING PUMP	DOR	32	SOLID STATE COCKPIT RECORDER	DOR
08	VALVE SHUTOFF	DOR	33	SSE	DOR
09	SAFETY VALVE	DOR	34	STA	DOR
10	UNDERWATER ACOUSTIC BEACON	DOR	35	ENCODING ALTIMETER	DOR
11	VALVE CHECK	DOR	36	VERTICAL GYRO(IFC)	DOR
12	DRAIN VALVE	DOR	37	RP INTERFACE DRAWER	DOR
13	CONFIGURATION MODULE	DOR	38	HSI INDICATOR	DOR
14	ALTITUDE ENCODER	DOR	39	GYRO HORIZON/ATITUDE INDICATOR	DOR
15	FUEL MANOMETER	DOR	40	JYOTI MAKE 500KVA,440V,50-60HZFC	-----
16	MASTER CYLINDER	DOR	41	3" ATTITUDE INDICATOR	SKG
17	SELCAL DECODER	DOR	42	5" ATTITUDE INDICATOR	SKG
18	CHECK VALVE	DOR	43	MASTER INDICATOR	SKG
19	STAND BY COMPASS	DOR	44	AIR SPEED INDICATOR	SKG
20	FRONT PLATE	DOR	45	INDICATOR ELECTRICAL TACHOMETER	SKG
21	ELECTRO MOTOR ASSY	DOR	46	FUEL QTY GAUGE	SKG
22	PROPELLER BALANCING KIT	DOR	47	PRESSURE INDICATOR	SKG
23	HEAT EXCHANGER	DOR	48	CRONO METER	SKG
24	FUEL PUMP	DOR	49	INTERVALLO METER	HWK
25	RPM INDICATOR	DOR	50	DIGITAL AVIONIC CLOCK	MIG

GRSE: Information on updation of latest details Related to Indigenization/Vendor Development

- Please note that recently GRSE updated details/files in the GRSE Website(www.grse.in) under "**Make in India**" & "**Vendor**" menu ;
- Further Indigenization related details/items were displayed in MoD portal ; www.srijandefence.gov.in also.
- In this connection, you may review the display details and forward your reply/feasibility, if any.
- Further, if any clarification/feedbacks, VD Dept may be consulted at email id: vd.onlineregn.grse@grse.co.in

Nodal officer

M. Mahendran

Senior Manager (Vendor Development)

Garden Reach Ship Builders & Engineers Ltd.

43/46, Garden Reach Road, Kolkata-700024.

New Portal developed by DDP—Srijandefence

Pursuant to the 'Atmanirbhar Bharat' announcement, the DDP (Department of Defence Production), Ministry of Defence (MoD), Government of India, has developed a portal named – [srijandefence.gov.in](https://www.srijandefence.gov.in) – as “Opportunities for Make in India in Defence” <https://www.srijandefence.gov.in/ProductList>

The main objective of the portal is to partner the private sector in indigenisation efforts of Defence Public Sector Undertakings (DPSUs), Ordnance Factory Board (OFB) and the Armed Forces. The portal will be a non-transactional online marketplace platform.

DPSUs/OFB/SHQs (Service Headquarters) will display their items on the said portal, which are being or which are going to be imported by them, each item having sizeable import value. They will also display those items which have been planned/targeted in the coming years, for indigenisation.

The Indian industry will be able to show their interest in those items for which they can design, develop and manufacture as per their capability or through joint venture with the OEMs (Original Equipment Manufacturers). The concerned DPSUs/OFB/SHQs, based on their requirement of the items and their respective guidelines & procedures, will interact with the interested Indian industry for indigenisation. The interested Indian industry can also interact with the concerned DPSUs/OFB/SHQs for their queries related to indigenisation through the contact details given under each item.

Interested members may visit the below link for details of products imported by the DPSUs/OFB/SHQs –<https://www.srijandefence.gov.in/ProductList> CDIIC, through the DGQA Facilitation Cell at CODISSIA, Coimbatore will be available to support members with the registration and DGQA (Directorate General of Quality Assurance) certification process.

IMPORTANT LINKS

Department of Defence Production— Facilities Available For Private Defence Industries:

Link: <https://www.ddpmod.gov.in/test-facilities-available-private-defence-industries>

Defence e Procurement Portal:

The eProcurement System of Ministry of Defence enables the Tenderers to download the Tender Schedule free of cost and then submit the bids online through this portal.

Link: <https://defproc.gov.in/nicgep/app>

Defence Export Promotion Cell:

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 FICCI, ASSOCHAM etc for export potential opportunities.

Link: <https://www.defenceexim.gov.in/>

DGQA Vendor Registration SOP:

Standard Operating Procedure (SOP) for registration of defence Manufactures by DGQA, MOD

Link: <https://www.dgqadefence.gov.in/vendor-management/>

CDIIC — Newsletter

Activities

Delegation from the Government of MP Visited CDIIC



Delegates from Government of Madhya Pradesh to Visited CDIIC and Industries at Coimbatore. A delegation led by Mr Sanjay Kumar Shukla, Principal Secretary, Department of Industrial Policy & Investment Promotion, accompanied by Mr John Kingsly, Managing Director, MPIDC & Mr B. Vijay Datta, Executive Director, MPIDC along with other executives from Government of Madhya Pradesh visited Coimbatore 2nd February 2021.

CDIIC - DGQA Facilitation Cell, CODISSIA meeting on 30.01.2021



CDIIC conducted interactive meetings with the Nodal officer, DGQA Facilitation Cell, CODISSIA, exclusively for start-ups on 30.01.2021

The following 6 startups participated in the meeting for exploring their opportunity with defence.

- Garudan Unmanned Systems Pvt. Ltd
- Grass Root Enterprise
- Appville Softwares
- Dataspire Technologies
- Kalycito Technologies
- Arputha Technologies

DISC 4 Challenge — CDIIC Participation

CDIIC had successfully conducted an awareness session on DSIC4 startup challenge in association with iDEX on 12.11.2020 where more than 50 participants participated, from CDIIC.

The following 3 incubatees of CDIIC were shortlisted during the programme and they have successfully completed their presentation in the DISC 4 challenge

- Appville Softwares
- Virmodello Technologies P Ltd
- Vikra ocean tech P ltd

CDIIC Signs MOU with *Mastercam* India Pvt. Ltd.

With a view to strengthen the R&D support for the incubatees, CDIIC has entered in to an MOU with Mastercam India P Ltd to become an exclusive CAM partner for the purposes of CAM training and application for the member industries and incubated startups

Aero India 2021 - Visit



CDIIC signs an MOU with the Indian Air Force (IAF) represented by Air Vice Mshl S Ramakrishnan, AVSM, VSM, Asst Chief of Air Staff (Maintenance Plans) at BANDHAN event



Interaction of CDIIC team with Dr. Ajay Kumar, IAS, Defence Secretary, Department of Defence at the Startup Manthan event



CDIIC team interacts with Shri Sanjay Jaju, IAS, Additional Secretary, Defence Production, Department of Defence Production during the Startup Manthan event



Interaction of CDIIC team with Mr. B. Elangovan, Senior General Manager, Tamil Nadu Industrial Development Corporation Ltd (TIDCO) at their stall in Aero India 2021

