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CDIIC—Newsletter

CODISSIA Defence Innovation and Atal Incubation Centre

"Supported by Atal Innovation Mission, NITI Aayog"

NITI Aayog

ATAL INNOVATION MISSION

Special points of interest:

- **C-IN-C Visit**
- **BEML Vendor Meet**
- **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!

ANNUAL INSPECTION OF AAEHU AND INTERACTIVE SESSION WITH C-IN-C, HQSNC, HELD ON 18.11.2020 AT A&EHU, INDIAN NAVY SULUR

Items taken up for indigenization by CDIIC were displayed during the Annual Inspection meeting of Aircraft and Engine Holding Unit (AAEHU), Indian Navy, Sulur, on 18.11.2020.

This was followed by an interactive session of Vice Admiral Anil Kumar Chawla, PVSM, AVSM, NM, VSM, Flag Officer Commanding-in-Chief (C-IN-C), headquarters Southern Naval Command with the CODISSIA & CDIIC team – Mr. R. Ramamurthy, President, CODISSIA / Director, CDIIC; Mr. V. Sundaram, Director, CDIIC, Mr. P.S. Devaraj, Hon. Secretary, CODISSIA, Mr. N. Krishnaraj, Hon. Jt. Secretary, CODISSIA. CODISSIA took this opportunity to put forward its recommendations with regard to catalyze the indigenization activities.

Inside this issue:

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 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

- **Stage1:** 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, SQAO, SQAE (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.makeinindiadefence.gov.in/pages/indigenisation

CDIIC - DGQA Facilitation Centre as on 5-12-2020		
S. No	**Details**	**Counts**
1	Total Number Industries that visited DGQA Facilitation cell (Walk-ins and enquires)	107
2	Number of Industries that identified - products for Indigenization	25
3	No of Industries that have shown interest in DGQA registration	49
4	Number of Industries interested in BEML Registration	16

Meeting with Officials from BEML for exploring Business Opportunities held on 07.11.2020 at CODISSIA

Mr. Narasimhaprasad TK, DGM (Defence Planning), Mr. Bhushith K B, Manager (Defence Planning),. Mr. Harinath Kumar N, Manager (Rail Production), BEML, Palakkad visited CODISSIA on 7.11.2020 and shared the details of 74 items available for Indigenization at BEML which include Castings, forgings, gear components, rubber items, electrical components and sub components. Mr. R. Ramamurthy, President, CODISSIA / Director, CDIIC, welcomed the officials from BEML Palakkad and commenced the meeting. Mr. V. Sundaram, Director, CDIIC, welcomed the guests and gave a brief introduction of CDIIC indigenization activities. BEML & CODISSIA team agreed to conduct a vendor meet shortly. Mr. M. Karthikeyan, Hon. Jt. Secretary, CODISSIA, thanked all the participants of the meeting and concluded the session

BEML Vendor Meet Organized by CDIIC on 27th Nov. 2020, 15 industries participated in the event

Subsequent to meeting held at CODISSIA on 7-11-2020 with BEML and CDIIC, CDIIC organized a Vendor meet on 27-11-2020 at BEML Palakkad Complex and 15 Industries participated in the same. Display of components, presentation and meeting with Executive Directors and Complex chief was organized by the BEML Team. Shri Umashankar N Devappa, Executive director (ED)—Defence, BEML addressed the gathering through Video Conferencing and informed vendors that there is a huge potential available for development of various items at BEML with the present & forthcoming orders from MOD and Others. ED requested the participants to visit other BEML Locations at Mysore and KGF (Kolar Gold Fields) and Explore new opportunities for business.

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.

India Australian Circular Economy Hackathon (I-ACE)

India Australia Circular Economy Hackathon (I-ACE) is jointly being organized by Atal Innovation Mission, NITI Aayog, Government of India and Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia to enable the students and startups/MSMEs of both the nations in fostering innovative solutions for the development of a circular economy across the food system value chain with the aim of increasing the long-term health and resilience of our planet, through innovative technology solutions. I-ACE aims to accelerate the development of young and promising students and startups/MSMEs working towards the creation of a sustainable future.

Students	Startups/MSMEs
India: INR 2 Lakh	**India:** INR 5 Lakh
Australia: AUD$3500	**Australia:** AUD$9500

Indian applicants: To apply, click here.

Australian applicants: To apply, click here.

Contact Us

In case of any query
Indian applicants may write to us at india.ace@gov.in
Australian applicants may write to us at i-ace@csiro.au

Eligibility Criteria:

Each team can consist of minimum 2 members to maximum 5 members compulsorily from the same entity/institute as mentioned in the application form. The following entities are eligible to apply for India Australia Circular Economy Hackathon (I-ACE):

1. Students currently pursuing Bachelors, Masters and Doctorate course from Higher Education Institutions (HEIs) of India
2. Entity recognized as Startup under Startup India scheme by Department for Promotion of Industry and Internal Trade (DPIIT)
3. Entities recognized as Micro Small and Medium Enterprises having Udyam Registration number by Ministry of Micro, Small & Medium Enterprises.

Please note: All the team members need to be from the same university/institute/startup/MSME as of team leader.

CDIIC Conducted Outreach Event for iDEX - DISC 4 Challenges on 12-11-2020

The Ministry of Defence (MoD)'s iDEX has launched DISC 4, 11 specific challenges for startups from Indian Army, Navy, Airforce and DPSUs. As a part of this flagship program, CDIIC organized an outreach event to reach out to the local MSMEs, innovators and student community for their active participation in the newly launched challenges. For more information, please visit www.idex.gov.in

The objective of the event was to create awareness about the DISC 4 challenge floated by iDEX. The event aims to comprehend the Incubators to encourage more and more local startups/innovators to participate in the Defence challenges by exploring if their use case for civilian application could be tailored for Defence applications.

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.

BDL — BHARAT DYNAMICS LIMITED

BDL is putting up determined efforts towards Indigenization of Anti Tank Guided Missiles (ATGMs) with the objective of increasing self-reliance, reduction of Foreign Exchange out flow and achieving cost reduction

BDL has adopted and implemented several steps under "Make In India" concept.

Dedicated "System Engineering Group & Indigenization Dept. are set up at divisional levels for Indigenization of Items/ Assy, which are imported from foreign OEMs.

Assy. /Items based on the criticality / Obsolescence and Non-TOT items from OEMs are identified and taken up for Indigenization.

Self-reliance in maintaining spare parts for longer period

CDIIC has received details of 260 components from BDL and we are now in the process of identification of potential vendors from Tamil Nadu defence corridor. Interested firms are requested to share their details **on or before 15-12-2020** at info@cdiic.in

Details of products specification can be taken from: https://www.srijandefence.gov.in/ProductList

S No	Srijanportal Product RefNo.	Product Description
1	PRO56897	INERTIAL MEASURING UNIT
2	PRO56896	Active Radar Seeker for Astra Missile
3	PRO56898	DLRX RF FRONT END
4	PRO56915	DATA LINK TRANSMITTER FOR ASTRA LAUNCHER
5	PRO64475	GR: 12Kh18N10T GOST 18143-72 Steel Wire dia 2-T
6	PRO64474	Cold Drawn seamless tube Gr. 12Kh18N10T - V , GOST : 14162-79 OD 1.6mm X 0.16mm thick ""
7	PRO64473	Cold Rolled and tempered spring steel strip, Size: 0.32 (-0.03) mm thick X 8 (-0.20) mm width, Grade:40KKhNM, as per TY 14-4-406-73/ TY 1231-406- 00187180-2018""
8	PRO64472	Cold Rolled &Annealed Steel sheet,TY14-1-2476-78GOST 5582-75 Gr09Kh16N4B-M2a GOST19904-90/2.2MM thick ASTM A 693-02 Gr:UNS#S 15500 ""
9	PRO64471	Hot Rolled Annealed Steel Flat 30KhGSA, GOST 4543-71 10x1000mm
10	PRO64470	COLD ROLLED AND ANNEALED STEEL ROD, TY 14-1-950-86 Gr. 30 KhGSA, Gost 7417-75/1051-73 dia 3 mm ""
11	PRO64469	COLD ROLLED / DRAWN & ANNEALED STEEL BAR 30KhGSA-T, GOST 4543-71 & GOST 7417-75 Dia 5(-0.075)mm X 2-3 mts length ""
12	PRO64468	COLD ROLLED / DRAWN & ANNEALED STEEL BAR 30KhGSA-T, GOST 4543-71 & GOST 7417-75 Dia 6(-0.075)mm X 2mts ""
13	PRO64467	Calibrated Cold Drawn & Annealed Steel Rod 30 KhGSA GOST 4543-71 & 7417-75 Dia 6 (-0.075)mm X 2 mts ""
14	PRO64466	COLD ROLLED AND ANNEALED STEEL ROD,TY 14-1-950-86 Gr. 30KhGSA, Gost 7417-75/1051-73 Dia 21mm ""

S No	Srijanportal Product RefNo.	Product Description
15	PRO64465	COLD ROLLED AND ANNEALED STEEL ROD Gr. 30 KhGSA, Gost7417- 75/1051-73 dia 25 mm ""
16	PRO64464	HOT ROLLED AND ANNEALED STEEL ROD Gr.30KhGSA, Gost 4543- 71/2590-88 dia 30 ""
17	PRO64463	HOT ROLLED AND ANNEALED STEEL ROD Gr.30KhGSA, Gost 4543- 71/2590-71 dia 60mm ""
18	PRO64462	HOT ROLLED AND ANNEALED STEEL ROD Gr.30KhGSA, Gost 2590- 88/4543-71 Dia 70mm ""
19	PRO64460	Steel square cold rolled and annealed 30 KhGsa, Gost 4543-71/2591-71 20mmX20mm ""
20	PRO64457	COLD ROLLED SPRING STEEL STRIP 60S2A / GOST 2283-79 0.8mm thick x 90mm width ""
21	PRO64454	Cold Rolled Spring steel Strip 60S2A S-ZP GOST 2283-79 0.8mm thick X 100 mm width ""
22	PRO64453	Cold Rolled Spring Steel Strip GR:65G, GOST 2283-79 2.8mm thick X 118mm width ""
23	PRO64450	Spring Steel Strips (annealed)/ TY 14-550-6-94 60S2A-T , GOST 2283-79 0.63mmthick X 50mm width ""
24	PRO64448	Spring Steel Strip (Annealed) 65S2VA -T ,GOST 2283-79 0.8mm thick X 30mm width ""
25	PRO64443	Cold Rolled Spring Steel strip GR:65S2VA-T, GOST 2283-79 0.5mm thick X 60 mm width ""
26	PRO64439	COLD ROLLED SPRING STEEL STRIP 60S2A-T-S-ZP / GOST 2283-79 1.2mm thick x 100mm width""
27	PRO64437	Cold rolled spring Steel Strips 65S2VA -T-S-ZP , GOST 2283-79 1.2mm thick X 100mm width ""
28	PRO64433	Spring Steel Wire (annealed) 65S2VA ,GOST 14963-78 Dia 2.2mm
29	PRO64429	COLD ROLLED AND ANNEALED STEEL ROD, TY 14-1-950-73 Gr.30KhGSA, Gost 7417-75/1051-73 Dia 15mm ""
30	PRO64427	COLD ROLLED / DRAWN & ANNEALED STEEL BAR 30KhGSA-T, To GOST 4543-71 / GOST 7417-75 Dia 8(-0.075) mm ""
31	PRO64424	Cold Rolled Welding WireGR:20XCHB A-B TY-14-1-2683-79Dia 1.6MM ""
32	PRO64421	STEEL HOT ROLLED & ANNEALED BARS 30KhRA AS PER GOST 4543-71/GOST 2590-88 DIA 34(+/-0.3)mm ""
33	PRO64418	COLD DRAWN & ANNEALED ROUND BAR 30KhGSN2A GOST:4543-71/7417-75 DIA 5 mm ""
34	PRO64416	STEEL HOT ROLLED AND ANNEALED BAR, Gr. 30KhGSA GOST 4543-71 / GOST 2590-2006 DIA 20(+/-0.2)mm ""
35	PRO64415	STEEL FORGED AND ANNEALED SQUARE AND ROUND CORNER. Gr.30KhGSA
36	PRO64414	STEEL HOT ROLLED AND ANNEALED SHEET Gr. 30KhGSA,GOST 4543-71/GOST 11268-76
37	PRO64274	ALUMINIUM ALLOY EXTRUDED SEAMLESS TUBE V95T1 AS PER GOST 18482-79 / 7075-T6 ASTM B-241 AND EN573-3, E755-2/DTD 5124-T6 OD 130MM X12.5MM THICK
38	PRO64391	UHSLA STEEL HOT ROLLED & ANNEALED BAR, TY 14-1-950-86, 30KhGSN2A GOST:4543-71/2590-2006 DIA 14 mm. ""
39	PRO64390	STEEL HOT ROLLED AND ANNEALED BAR (NORMAL ACCURACY B) Gr.30KhGSA TO GOST 4543-71/GOST 2590-2006 DIA 40(+0.6/-0.7)mm""
40	PRO64387	HOT ROLLED AND ANNEALED ROUND BAR, TY 14-1-950-86 GR:30KHGSA TO GOST 4543-71/GOST 2590-2006 DIA 25(+0.4/-0.5)mm ""

S No	Srijanportal Product RefNo.	Product Description
41	PRO64383	COLD ROLLED AND ANNEALED STEEL ROD, TY 14-1-950-86 Gr.30KhGSA,GOST 7417-75/1051-73 Dia 12mm
42	PRO64382	HOT ROLLED & ANNEALED STEEL PLATE 30KhGSA GOST 19903-74 / 11269-76 6mm thick x 1000 mm x 1000 / 2000 mm
43	PRO64379	Cold Rolled Annealed Steel Sheet 30KhGSA, GOST 4543-71 3x1000x2000mm ""
44	PRO64378	Cold Rolled Annealed Steel Sheet 30KhGSA, GOST 4543-71 2x1000x2000mm ""
45	PRO64376	Cold Rolled Annealed Steel Sheet 30KhGSA, GOST 4543-71 1.5x1000x2000mm ""
46	PRO64374	Cold Rolled Annealed Steel Sheet 30KhGSA, GOST 4543-71 1.2x1000x2000mm
47	PRO64373	STEEL COLD ROLLED AND ANNEALED STRIPS/SHEET Gr.30KhGSA, GOST 4543- 71/GOST 11268-76 GOST 19904-90 1mmX1000X2000
48	PRO64372	Cold Rolled Annealed Steel Sheet 30KhGSA, GOST 4543-71/GOST 11268-76/ GOST 19904-90 0.8x1000x2000mm
49	PRO64275	ALUMINIUM ALLOY EXTRUDED SEAMLESS TUBE V95T1 AS PER GOST 18482-79 / 7075-T6 ASTM B-241 AND EN573-3, E755-2/DTD 5124-T6 OD 125MM X20MM THICK
50	PRO64273	ALUMINIUM ALLOY EXTRUDED SEAMLESS TUBE V95T1 AS PER GOST 18482-79 / 7075-T6 ASTM B-241 AND EN573-3, E755-2/DTD 5124-T6 OD 130MM X20MM THICK
51	PRO64272	ALUMINIUM ALLOY EXTRUDED SEAMLESS TUBE V95 AS PER GOST 18482-79 / 7075 ASTM B -241 AND EN573-3, E755-2/DTD 5124 OD 140MM X12.5MM THICK
52	PRO64269	ALUMINIUM ALLOY EXTRUDED SEAMLESS TUBE D16T AS PER GOST 18482-79 / 2024 T4 AS PER EN573-3,755-1,-2,-3, EN515 AND ASTM B 241 OD 50MM X10MM THICK
53	PRO64267	ALUMINIUM ALLOY EXTRUDED SEAMLESS TUBE D16T AS PER GOST 18482-79 / 2024 T4 AS PER EN573-3,755-1,-2,-3, EN515 AND ASTM B 241 OD 55MM X10MM THICK
54	PRO64266	ALUMINIUM ALLOY EXTRUDED SEAMLESS TUBE D16T AS PER GOST 18482-79 / 2024 T4 AS PER EN573-3,755-1,-2,-3, EN515 AND ASTM B 241 OD 70MM X15MM THICK ""
55	PRO64264	ALUMINIUM ALLOY EXTRUDED SEAMLESS TUBE D16T AS PER GOST 18482-79 / 2024 T4 AS PER EN573-3,755-1,-2,-3, EN515 AND ASTM B 241 SIZE:OD100(+/-1.5)mm x15(+1.4 / -0.8)mm THICK""
56	PRO64249	Cold Rolled Spring Steel Strip 60S2A S-N/ GOST 2283-79 0.8mm thick X 100mm width ""
57	PRO64248	OLD ROLLED AND ANNEALED SPRING STEEL STRIP TY 14-550-6-94 / 60S2A, GOST 2283-79 0.8mm thick X 100mm width ""
58	PRO64246	Spring Steel Strip 65S2VA ,GOST 2283-79 0.5mm thick X 60mm width
59	PRO64245	COLD DRAWN SEAMLESS TUBE(CSN 14331) 30KhGSA, GOST 8733- 74 DIA 18x0.8 MM THICK ""
60	PRO64244	STEEL SQUARE ANNEALED 30KhRA GOST 4543-71/ GOST 2591-88 22x22mm
61	PRO64243	STEEL HOT ROLLED AND ANNEALED BAR 30KhGSA TO GOST 4543-71/GOST 2590-71 DIA 56mm ""

CDIIC will be sharing a detailed mail on the remaining list of products which include CASING, THROAT INSERT MACHINING, Paints (Air Craft Grade) , POWER SUPPLY UNIT , CURRENT SENSORS, RPM SENSORS, compression springs , ELECTRO-PNEUMATIC Valve. The product specifications and details are available at **https://www.srijandefence.gov.in/ProductList**

HAL –Hindustan Aeronautics Limited

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

Sl. No.	Part Name	Brief Technical Specification / Description of the part	Qty. procured / year during the last 3 years			No. of items required as prototypes for Qualification testing	Expected Date for Issuance of EoI/RFI for indigenisation
			2017-18	2018-19	2019-20		
1	TWT SET U52164 BVO.203.053	It amplifies microwave signals from milli watts to kilo wats.	47	20	56	1	Jan'21
2	amplifier KRPG.433155.017	It attenuates/amplify received echo signal.	123	0	126	1	Jan'21
3	Sensor DUSU-M-90AS	Gyroscopic sensor for angular movement	77	0	0	1	Jan'21
4	Microwave module receiving UBAK.434854.002	Microwave Receiver (MWR) module is part of Receiver unit of Radar System. This unit converts the incoming signal to IF signal.	6	3	2	1	Jan'21
5	UNIT PShRI.468362.007	Interface card with 1553B and ARINC protocols.	1	0	0	1	Jan'21
6	UNIT PShRI.468364.019	Commutation card. Generate pulses at particular voltages.	2	0	0	1	Jan'21
7	Micro miniature sensor DLUMM 3	Acceleration sensor for flight control	32	0	38	1	Jan'21
8	UNIT PShRI.467444.009	Processor card.	3	0	0	1	Jan'21

Sl. No.	Part Name	Brief Technical Specification / Description of the part	Qty. procured / year during the last 3 years			No. of items required as prototypes for Qualification testing	Expected Date for Issuance of EoI/RFI for indigenisation
			2017-18	2018-19	2019-20		
9	Shock absorber ASD2-3-14.00	Shock absorber	0	282	123	1	Jan'21
10	TITRON VALVE	pentode device	32	0	29	1	Jan'21
11	MSN15 GS5.123.316-01	Voltage Stabilizer used in Drive Control Device of Airborne Radar System	20	0	6	1	Jan'21
12	NON-CONTOLLABLE PROTECTIVE DIS-CHARGER	protective uncontrolled discharger to protect Titron valve and Modulator from powerful surges and currents.	67	8	146	1	Jan'21
13	BRIDGE LIGHT	Lamp is fitted with different instruments in the main instrument panel of cockpit. It helps pilot to read instruments in less light condition.	66	0	399	3	Apr-21
14	LANDING LIGHT	Type: Sealed beam PAR 46-halogen; Power: 250W; Supply: 28V D.C; Intensity : 9A +/- 1A; Maximum candle power: 300000 candles; Light distribution: 15 deg horizontal, 9 degree vertical; Average life: 25 hrs; Duty cycle: 15 min lighting, 45 min at rest	0	0	0	3	Apr-21
15	LAMP	Lamp is fitted with different instruments in the main instrument panel of cockpit. It helps pilot to read instruments in less light condition.	44	390	169	3	Apr-21
16	LAMP	Lamp is fitted with different instruments in the main instrument panel of cockpit. It helps pilot to read instruments in less light condition.	93	0	65	3	Apr-21
17	LAMP	Lamp is fitted with different instruments in the main instrument panel of cockpit. It helps pilot to read instruments in less light condition.	161		66	3	Apr-21
18	Electromagnet	Three position electro hydraulic valve which is meant for electro remote control by the supply of working fluid in hydraulic system. It should be capable of working from -60 to 125^{0}C. Working pressure 280+15 -10 Kgf/cm2	380	370	380	5	Feb'21
19	Diode	Diode filled with cavity with FOAM-HERMETIC VPG-300.	380	370	380	5	Feb'21
20	Rod	It is used as shock absorber.	Nil	Nil	Nil	5	Feb'21
21	Slaving Amplifier	This consist of two terminal board upper terminal board and lower terminal board. It is a part of gyro magnetic compass.	Nil	Nil	Nil	5	Feb'21
22	Grease Distributor	It is used in the hydraulic cylinder assy which takes care of shock absorbing.	Nil	Nil	Nil	5	Feb'21

Sl. No.	Part Name	Brief Technical Specification / Description of the part	Qty. procured / year during the last 3 years			No. of items re-quired as prototypes for Qualifica-tion test-	Expected Date for Issuance of EoI/RFI for indigenisa-tion
			2017-18	2018-19	2019-20		
23	Cylinder	It is used in the hydraulic cylinder assy which takes care of shock absorbing.	Nil	Nil	Nil	5	Feb'21
24	Piston	It is used in the hydraulic cylinder assy which takes care of shock absorbing.	Nil	Nil	Nil	5	Feb'21
25	Piston	It is used in the hydraulic cylinder assy which takes care of shock absorbing.	Nil	Nil	22	5	Feb'21
26	Levelling Tube	It is used in the hydraulic cylinder assy which takes care of shock absorbing.	Nil	Nil	17	5	Feb'21
27	Central Rod	It is used in the hydraulic cylinder assy which takes care of shock absorbing.	Nil	Nil	Nil	5	Feb'21
28	Levelling Tube	It is used in the hydraulic cylinder assy which takes care of shock absorbing.	Nil	Nil	18	5	Feb'21
29	Sliding Tube	It is used in the hydraulic cylinder assy which takes care of shock absorbing.	Nil	Nil	10	5	Feb'21
30	Stop Ring	It is used in the hydraulic cylinder assy which takes care of shock absorbing.	Nil	Nil	15	5	Feb'21
31	PITOT HOSE ASSEMBLY	Type approved Rubber Moulded/Extruded with Fabric Reinforcement	0	10	5	2	Feb-21
32	PITOT HOSE ASSEMBLY	Type approved Rubber Moulded/Extruded with Fabric Reinforcement	8	0	6	2	Feb-21
33	PITOT HOSE ASSEMBLY -PIPE TO CSI	Type approved Rubber Moulded/Extruded with Fabric Reinforcement	5	0	10	2	Feb-21
34	STATIC HOSE ASSEM-BLY-PIPE TO VSI	Type approved Rubber Moulded/Extruded with Fabric Reinforcement	0	12	6	2	Feb-21
35	STATIC HOSE ASSEM-BLY-PIPE TO VSI	Type approved Rubber Moulded/Extruded with Fabric Reinforcement	15	0	0	2	Feb-21
36	STATIC HOSE ASSEM-BLY	Type approved Rubber Moulded/Extruded with Fabric Reinforcement	7	0	14	2	Feb-21
37	STATIC HOSE ASSEM-BLY	Type approved Rubber Moulded/Extruded with Fabric Reinforcement	5	10	0	2	Feb-21

Sl. No.	Part Name	Brief Technical Specification / Description of the part	Qty. procured / year during the last 3 years			No. of items required as prototypes for Qualification testing	Expected Date for Issuance of EoI/RFI for indigenisation
			2017-18	2018-19	2019-20		
38	STATIC HOSE ASSEMBLY	Type approved Rubber Moulded/Extruded with Fabric Reinforcement	6	0	12	2	Feb-21
39	STATIC HOSE ASSEMBLY	Type approved Rubber Moulded/Extruded with Fabric Reinforcement	7	0	14	2	Feb-21
40	STATIC HOSE ASSEMBLY	Type approved Rubber Moulded/Extruded with Fabric Reinforcement	0	14	7	2	Feb-21
41	STATIC HOSE ASSEMBLY-PIPE TO CSI	Type approved Rubber Moulded/Extruded with Fabric Reinforcement	7	7	7	2	Feb-21
42	DEFLECTOR SEA-LH-BLACK-SL4360	Type approved Rubber Moulded/Extruded with Fabric Reinforcement	5	10	0	2	Feb-21
43	BREATHER HOSE	Type approved Rubber Moulded/Extruded with Fabric & Steel Coil Reinforcement	6	12	0	2	Feb-21
44	FLEX HOSE- MK2 STARTER SYSTEM	Type approved Rubber Moulded/Extruded with Fabric & Steel Coil Reinforcement	7	14	0	2	Feb-21
45	FLEXIBLE HOSE	Type approved Rubber Moulded/Extruded with Fabric & Steel Coil Reinforcement	6	0	12	2	Feb-21
46	GLARESHIELD PLASTIC COVER (243AX)	Aerospace Grade Material (Polycarbonate/PVC) Moulded component & finished	5	5	5	2	Jun-21
47	PANEL-LH (RD PNL 221CX)	Aerospace Grade Material (Polycarbonate/PVC) Moulded component & finished	6	0	12	2	Jun-21
48	PANEL-RH(RD PNL 222CX)	Aerospace Grade Material (Polycarbonate/PVC) Moulded component & finished	6	6	6	2	Jun-21
49	PANEL (RD PNL 242AX)	Aerospace Grade Material (Polycarbonate/PVC) Moulded component & finished	0	7	14	2	Jun-21
50	MAIN U/C WHEEL FLAP-STBD	Aerospace Grade Material (Pollethane A90) Moulded component & finished	6	12	0	2	Jun-21
51	MAIN U/C WHEEL FLAP-PORT	Aerospace Grade Material (Pollethane A90) Moulded component & finished	5	0	10	2	Jun-21

Sl. No.	Part Name	Brief Technical Specification / Description of the part	Qty. procured / year during the last 3 years			No. of items required as prototypes for Qualification testing	Expected Date for Issuance of EoI/RFI for indigenisation
			2017-18	2018-19	2019-20		
52	DEBRIS GUARD BOTTOM -ASSY	Aerospace Grade Material (Polycarbonate/PVC) Moulded component & finished	4	10	0	2	Jun-21
53	DEBRIS GUARD BOTTOM -ASSY	Aerospace Grade Material (Polycarbonate/PVC) Moulded component & finished	0	10	5	2	Jun-21
54	DEBRIS GUARD BOTTOM -DETAIL	Aerospace Grade Material (Polycarbonate/PVC) Moulded component & finished	4	0	10	2	Jun-21
55	DEBRIS GUARD BOTTOM -DETAIL	Aerospace Grade Material (Polycarbonate/PVC) Moulded component & finished	4	4	4	2	Jun-21

BEML - Bharat Earth Movers Limited

BEML has been manufacturing Products through technology transfer and has undergone many transformations in order to remain competitive and grow, by developing the capability of the design know-why, and have systematically indigenised the products over the years.

`Make In India' is a campaign launched by Hon'ble Prime Minister of India Sri Narendra Modi ji, to enable India achieve a significant growth in GDP and transform India to be a global economic power. The vision is to evolve and transform India into a powerful economy of the world. "Make In India" campaign of GoI is a giant step forward in this direction enabling indigenisation, to promote competiveness, capacity and capabilities of Indian manufacturing industry and is a big step to motivate companies, to acquire competitive edge through R&D initiatives and develop new and breakthrough technologies, and move towards the goal of "pushing the boundaries with innovation & technology and indigenisation".

BEML is a highly diversified company operating in the manufacturing of Defence equipment's, Mining & Construction equipment's and Rail & Metro sectors and `Make In India' is a big boost to us.

List of items available for indigenization at BEML: https://www.bemlindia.in/writereaddata/Downloads/20200710130 5Items_Indigenisation.pdf

The Indian Ordnance Factories

The Indian Ordnance Factories organisation - a family of 41 Ordnance Factories under the aegis of its corporate headquarters **Ordnance Factory Board, Kolkata** - possesses the unique distinction of over 200 years' experience in defence production. We are engaged in production, testing, logistics, research, development and marketing of a comprehensive product range in the area of land, sea and air systems.

Indian Ordnance Factories is the oldest and largest industrial setup which functions under the Department of Defence Production of the Ministry of Defence. The ordnance factories form an integrated base for indigenous production of defence hardware and equipment, with the primary objective of self-reliance in equipping the armed forces with state-of-the-art battlefield equipment's

CDIIC has identified 13 components from OFB List and we are now in the process of identification of potential vendors from Tamil Nadu defence corridor. Interested firms are requested to share their details **on or before 15-12-2020** at info@cdiic.in

S. .No	Nomenclature of item	Specifications	Qty procured during last 3 yrs	Approx value (INR (in Lac)	Approx annual requirement (2020-21)	Factory
1	**ADEN Link MK-I for 30MM ADEN Ammn**	Link MK-I to DESICNER'S REF.D.5.(E)10050/161 Issue 6A dated 30-10-64 for 30MM ADEN Ammunation.	Nil	Nil	55100 nos	Ordnance Factory Khamaria, Jabalpur
2	**Cylinder Block Crank case for UTD - 20 Engine – Casting**	Drg. No. 20- 01-16-10	477 Nos	4539913. 2 USD	216 Nos	Engine Factory Avadi
3	**Starter Generator (T-90)**	CG-18-1CTY	117	6.37	100	Heavy Vehicle Factory, Avadi
4	**Starter Generator (T-72)**	CG.10.1C.000CB	109	3.5	100	Heavy Vehicle Factory, Avadi
5	**Radiators with Rack Assy**	188.31.124CBCB	150	53.51	100	Heavy Vehicle Factory, Avadi
6	**Chaff Pay Load for SRCR**	As per IHQ/DGNAI procurements AI/4141 dtd 05/05/2010 & 09-08-2010	Nil	NA	3658 Nos	Ammunition Factory Khadki, Pune
7	**Chaff Pay Load for MRCR**		Nil	NA	2139 Nos	Ammunition Factory Khadki, Pune
8	**Chaff Pay Load for LRCR**		Nil	NA	539 Nos	Ammunition Factory Khadki, Pune
9	**Metallic sectioned ammunition belt for 7.62mm PKT catridge, 323527 6P7 CD**	Ty MO No. 5443-65	2633	198844.1 6 EURO	1500 belts	Ordnance Factory Medak
10	**Electric Motor**	Electric motor to Drg. No. ED-76.000 GCH for T-90	150 Nos	384	196 Nos	Machine Tool Prototype Factory, Ambarnath
11	**87100000**	FILTERING & VENTILATION SYSTEM	2020-21	120	66	ROSOBORONEXPORT, Russian Federation
12	**7119033259**	ELECTRIC MOTOR	2020-21	213	54.54	ROSOBORONEXPORT, MOSCOW, RUSSIA
13	**PRO60616**	12 Types of Rubber items for IGB T-90/T-72 Tank	2020-21	19002	13.38	M/s. Rosoboronexport

GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.

A GOVERNMENT OF INDIA UNDERTAKING - MINISTRY OF DEFENCE

"An ISO 9001:2015 Certified Company"

GRSE is a shipbuilding company in India under the administrative control of the MoD, primarily catering to the shipbuilding requirements of the Indian Navy and the Indian Coast Guard.

As part of Make In India initiatives of Ministry of Defence through Indigenisation Efforts, GRSE has made commendable progress by successfully incorporating a high percentage of indigenous content into the ships. INS Kamorta and INS Kadmatt, the First Two of Class of 4 ASW Corvettes became the first warships built in the country with indigenously developed warship grade steel-DMR 249A, These Ships have the distinction of achieving over **90 % Indigenous Equipment Fit** and hence a major step towards achieving Self Reliance in State of the Art Warship Design and Construction.

INS Kiltan, which was delivered to Indian Navy on 14 Oct 17, **has the unique feature of Superstructure made of Carbon Fibre Composite Material.** It is for the First time in the Country that such a Composite Material has been integrated with Steel Hull of a Ship and GRSE is the First Shipyard in the Country to have successfully achieved this feat. Regarding the **Landing Craft Utlity (LCU)** class of ships delivered so far, over **90% Indigenous Equipment Fits** has been achieved. The **LCU Ships** being built by GRSE are fully **designed In House** as per requirements specified by Indian Navy. These are Biggest & Fastest LCU Vessels worldwide in its Category. Interestingly, too **70 % Indigenous Equipment Fit** in construction of four Follow On WJFACs and **72 % indigenization of the Rail Less Auto Tensioning Winch Wire Helicopter Traversing System** on board 3rd ASW Corvette, INS Kiltan, have helped GRSE win the confidence of all stakeholders.

For More details Visit: http://www.grse.in/index.php/grse-s-make-in-india-cell#:~:text=As%20part%20of%20Make%20In,indigenous%20content%20into%20the%20ships

CDIIC has received 21 components from GRSE and we are now in the process of identification of potential vendors from Tamil Nadu defence corridor. Interested firms are requested to share their details on or before 15-12-2020 at info@cdiic.in

S.No.	DPSU	Item	Import value (INR-Cr)	Mode of Indigenization	Target Year
1.	GRSE LTD	Helo Connecting Gear forRLHTS	INR 0.13 Cr/Ship set	GRSE self-initiative	**2019-20**
2.	GRSE LTD	Mast Design, Construction and Integration on board Composite superstructure of Vessel.	INR 0.50 Cr/Ship Set	GRSE self-initiative	
3.	GRSE LTD	10T Telescopic DeckCrane	INR 9.0 Cr for 4 Nos 10T Crane.	By ToT betweenIndian Vendor and overseas OEM for development and manufacturing of Crane.	**2020-21**
4.	GRSE LTD	Portable Pedestrian (Assault) Bridge	Approx. value of Item INR 0.20 Cr	GRSE self-initiative	**2020-21**
5.	GRSE LTD	Double Lane Portable Steel Bridges	Approx. value of Item INR 2.0 Cr	GRSE self-initiative	**2020-21**
6.	GRSE LTD	1 MW Alternator with Accessories for 1MW DA	Approx. value of Item INR 15.883 Cr	Through Indigenous vendors	**2020-21**

S.No.	DPSU	Item	Import value (INR-Cr)	Mode of Indigenization	Target Year
7.	GRSE LTD	DA Acoustic Enclosure for1MW DA	Approx. value of Item INR 21.588 Cr	Through Indigenous vendors	**2020-21**
8.	GRSE LTD	Control Systems for 1MWDA	Approx. value of Item INR 3.633 Cr	Through Indigenous vendors	
9.	GRSE LTD	Battery Charger with Accessories for 1MW DA	Approx. value of Item INR 0.54075 Cr	Through Indigenous vendors	**2020-21**
10.	GRSE LTD	Fuel Consumption Meter for 1MW DA	Approx. value of Item INR 0.175 Cr	Through Indigenous vendors	**2020-21**
11.	GRSE LTD	Coupling Accessories for 1MWDA	Approx. value of Item INR 2.296 Cr	Through Indigenous vendors	**2020-21**
12.	GRSE LTD	Base Frame for 1MWDA	Approx. value of Item INR 3.668 Cr	Through Indigenous vendors	**2020-21**
13.	GRSE LTD	Data Acquisition and Processing System (DAPS)	INR 85.0 Cr/4 Ship Set	M/s PICPL under ToT from M/s Quester Tangent	**2020-21**
14.	GRSE LTD	3T Telescopic DeckCrane	INR 3.35 Cr for 4 Nos 3T Crane	GRSE, TU, self- initiative	**2021-22**
15.	GRSE LTD	HP Air Fittings & Reducing Station	INR 2.5 Cr/Project for Fittings INR 0.6 Cr/Ship for Reducing station. INR 2.4 Cr/Project	Develop Indigenous vendor	**2021-22**
16.	GRSE LTD	Telescopic Helo Hangar	INR 40.0 Cr for4 Ship Set	Develop Indigenous vendor	**2021-22**
17.	GRSE LTD	Window Wipers	INR 1.25Lakh/Item INR 1.60Cr/Project	Develop Indigenous vendor	**2022-23**
18.	GRSE LTD	PSI Consultant Service	Approx 8 Cr/Project	GRSE self-initiative	**2022-23**
19.	GRSE LTD	Magazine Fire Fight- ing System for various compartments storing explosive on board	INR 18.0 Cr/Ship Set INR 144.0 Cr/Project	03 firms identified	**2022-23**
20.	GRSE LTD	Horizontal offset reduction Gear Box designed to transmit 4.3MW	INR 50.0 Cr for12 items/6 ships	Develop Indigenous vendor	**2023-24**
21.	GRSE LTD	Planetary Epicyclic Gear Box designed to transmit 25MW	INR 45.0 Cr for 6 items/6 ships	Develop Indigenous vendor	**2023-24**

Bharat Electronics Ltd (BEL)

In 1954, in a newly independent India, the need was utmost to develop indigenous industry. The dream of a self-reliant India gave birth to many Public Sector Undertakings. Bharat Electronics Limited (BEL) was one such dream, which has come a long way since then with the far-sighted vision of its pioneers, the dedication and hard work of its employees, support and faith of its customers and the Government of India. The Government's clarion call for 'Make in India' resonates with what BEL has been successfully doing for over 6 decades.

From humble beginnings in 1954, when BEL was set up in association with CSF, France (now, Thales), to manufacture basic communication equipment, BEL now produces a wide range of state-of-the-art equipment in fields such as Defence Communication, Radars, Naval Systems, C4I Systems, Weapon Systems, Homeland Security, Telecom & Broadcast Systems, Electronic Warfare, Tank Electronics, Electro Optics, Professional Electronic Components and Solar Photovoltaic Systems, BEL also provides turnkey system solutions. Civilian products from BEL include Electronic Voting Machines, Tablet PC, solar-powered traffic signal systems and Access Control Systems.

Starting from a single Unit in Jalahalli, Bangalore, BEL has established its presence across the country by setting up eight other Units – in Ghaziabad, Pune, Machilipatnam, Panchkula, Kotdwara, Navi Mumbai, Chennai and Hyderabad. Each Unit has a specific product mix and customer focus. BEL has also set up a wide network of offices and service centres countrywide as well as two overseas offices – at New York and Singapore.

CDIIC has received 1 requirement from BEL and we are now in the process of identification of potential vendors from Tamil Nadu defence corridor. Interested firms are requested to share their details **on or before 15-12-2020** at info@cdiic.in

Product Details "Rotary Joint"

The rotary joints assembly is a Hybrid Rotary Joint providing continuous contact for Power,Signals (Electrical, Ethernet), RF, Optical and Air between the moving part and the fixed part.It also has an Azimuth Encoder to provide azimuth position of the rotating part.

The Hybrid Rotary Joint assembly consists of the following

a) Slip rings (for Power, Signals and Ethernet)

b) L-Band Co-Axial RF rotary joints

c) Fiber Optical rotary joints

d) Air rotary joint

e) Azimuth encoder

*Note: **Detailed specification is available at CDIIC,**

GSL - Goa Shipyard Limited

As India took its first steps as a political entity in 1947, the policy makers recognized that it would be in the country's best interests to cultivate indigenous warship building as a strategic capability. In 1961, after Goa's liberation, the potential of a small shipyard called "EstaleirosNavais de Goa" to contribute towards this national aspiration was recognized. The Yard, later renamed Goa Shipyard Limited, was consciously shaped, developed and upgraded to become one of the country's premier defence shipbuilding hubs on the west coast.

Over the years, Goa Shipyard Ltd. gradually developed to meet the growing shipbuilding needs of the country's naval defence sector, in the process going on to design and build a wide range of vessels for the defence as well as the commercial sectors.

In order to provide focus on 'Make in India' initiative of GoI, three policies viz, Outsourcing, Long Term Procurement & Vendor Development and Indigenization Policies have been formulated as per MoD directives. The aim of three policies is to enhance outsourcing through increased vendor/manufacturing base. All three policies will work in sync with common aim to increase indigenization/ local content in our shipbuilding projects.

The following are the major initiatives taken in this regard:

- Make in India Policy (Outsourcing, Long Term & Vendor Development and Indigenization)
- Online vendor Registration
- Regular Vendor meets.
- Implementation of e-Procurement
- Amendments to Purchase Preference Clause Applicable to Indian Manufacturers Over Foreign Manufacturers

CDIIC has received details of 8 components from GSL and we are now in the process of identification of potential vendors from Tamil Nadu defence corridor. Interested firms are requested to share their details **on or before 15-12-2020** at info@cdiic.in

A	**Hull**
1	A 60 Class Window
2	Electro Hydraulic Articulated foldable Crane
3	Probe Receiver system for RAS/ FAS
B	**Engineering**
1	Marine Incinerator
C	**Electrical**
1	Long range Accoustic device
2	Emergency position indicating radio beacon
3	Search & Rescue Transponder
4	GPS Compass

Repair opportunities with Indian Navy.

Aircraft & Engine Holding Unit (AAEHU), Indian Navy, Sulur is providing continuous support and encouragement to CDIIC 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. CDIIC 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

Activities at CDIIC

- CDIIC Logo – Trade mark application for class 42 has been accepted and CDIIC has been using the letters "TM" with its logo.
- **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 20th & 28th Nov 2020
- Meeting with Officials from BEML for exploring Business Opportunities held on 07.11.2020 at CODISSIA
- BEML Vendor Meet organized by CDIIC on 27-11-2020
- Participation of CDIIC representatives in the ANNUAL INSPECTION OF AAEHU AND INTERACTIVE SESSION WITH C-IN-C, HQSNC, HELD ON 18.11.2020 AT AAEHU, Indian Navy, SULUR
- iDEX -Virtual Awareness Session on iDEX - DISC4 Challenges conducted on 12.11.2020, CDIIC facilitated the submission of proposals by the incubates, for the DISC 4 challenge
- AIM - CDIIC attended the AIM iCRESt Valedictory session to mark the completion of 12 weeks of AIM iCRESt training by Wadhwani Venture Fasttrack on Incubator Capacity Building held virtually on 25.11.2020
- CDIIC has signed an MOU with Mastercam

CDIIC in News—Dinamalar_30.11.2020

இளைஞர்களுக்காக ஒரு திட்டம்

கோவை சி.ஐ.டி., கல்லூரியில், மெக்கானிக்கல் இன்ஜினியரிங் படித்தவர்; ஜெர்மனி சென்று, மெஷின் டூல் கல்வி பெற்றவர்; ஜிடி வெய்லர் நிறுவனத்தில், தரக்கட்டுப்பாடு தலைமை பொறுப்பு வகித்தவர். ஆட்டோமொபைல் ஹாரன் கம்பெனி நடத்தி வருகிறார். கொடிசியா முன்னாள் தலைவர், தற்போது, கோவை, டிபன்ஸ் இன்னவேஷன் மற்றும் அடல் இன்குபேஷன் சென்டரின் இயக்குனர். இத்தனை பெருமைமிகு அடையாளங்களை சுமப்பவர் சுந்தரம். இந்தியாவே திரும்பி பார்க்க வைக்கும், ஒரு திட்டம் குறித்து இங்கு விவரிக்கிறார்...!

இன்று இவர்

சுந்தரம், முன்னாள் தலைவர், கொடிசியா.

சிறு, நடுத்தர தொழில் நிறுவனங்கள் மட்டுமே நிறைந்துள்ள கோவையில், ராணுவ தளவாடங்கள் தயாரிப்பு சாத்தியமா?

ராணுவ தளவாடங்களுக்கான உதிரி பாகங்கள் தயாரிப்பது, பெரும் நிறுவனங்களுக்கான பணி மட்டுமே அல்ல. வட மாநிலங்களில் பெரும்பாலான சிறு தொழில் நிறுவனங்கள், ராணுவ தளவாடங்களுக்கு தேவையான பொருட்களை, உற்பத்தி செய்து வருகின்றன. தென்மாநிலங்கள் தான் இதில் பின்தங்கியுள்ளன. இந்த நிலையை மாற்றி, சீரான உற்பத்தியை உருவாக்க வேண்டும் என்ற நோக்கில் உருவானது தான், தென்மண்டல அளவிலான 'டிபன்ஸ் காரிடார்' எனப்படும், ராணுவ தளவாட உற்பத்தி மையம்.

சிறு, நடுத்தர, தொழில் நிறுவனங்களால், முப்படைகளில் இருந்தும் ஆர்டர் பெறுவது சாத்தியமா?

சிறு, நடுத்தர தொழில் நிறுவனங்களால், நேரடியாக ஆர்டர் பெறுவதில் சிரமம் உள்ளது. முப்படைகளிலிருந்து தனியாக, ஆர்டர் பெறுவது எளிதானது அல்ல. அதற்கான விதிமுறைகள், கட்டுப்பாடுகள், டெண்டர் திட்டங்கள் உள்ளன. இவற்றை கருத்தில் கொண்டு, 'கிளஸ்டர்' என்ற தொகுப்பு திட்டத்தை, கொடிசியா உருவாக்கியது.

இதில், சிறு, நடுத்தர தொழில் நிறுவனங்கள் இணைந்து, ஒவ்வொரு பாகத்தையும் உருவாக்கி, ராணுவத்துக்கு சப்ளை செய்ய முடியும். ஒட்டு மொத்தமாக இது ஒரு கிளஸ்டர் வடிவிலான தொழிற்சாலையாக செயல்படும். இதற்காக உருவானது தான், ராணுவ அமைச்சகத்தின், 20 கோடி ரூபாய் 'கொடிசியா இன்குபேஷன் அண்ட் அடல் இன்னோவேஷன் சென்டர்'.

இந்த மையத்தில், ராணுவத்துக்கு தேவையான பொருட்களை உருவாக்க ஆராய்ச்சி மேற்கொள்ளுதல், புதிய பொருட்களை கண்டுபிடித்தல், ராணுவத்திடமிருந்து ஆர்டர்களை பெற ஒரு பொது வசதியை ஏற்படுத்துதல், போன்ற பணிகள் மேற்கொள்ளப்படும்.

ராணுவ தளவாட தயாரிப்பில், கோவையின் தற்போதைய நிலை என்ன?

ராணுவ தளவாடங்களுக்கு தேவையான உற்பத்தியை, கோவையில் இரு பெரிய நிறுவனங்களும், நான்கு நடுத்தர நிறுவனங்களும் தொடங்கியுள்ளன. விரைவில் இவை ராணுவத்துக்கு சப்ளை செய்யப்படும்.

தொழில் துவங்க நினைக்கும் இளைஞர்கள், பட்டதாரிகள் இதில் பங்கேற்க முடியுமா?

நிச்சயமாக. அடல் இன்குபேஷன் சென்டரின் நோக்கமே அது தான். இளைஞர்கள் கண்டுபிடிக்கும் பொருள் உற்பத்திக்கான ஆய்வுகளை, இந்த அடல் இன்குபேஷன் சென்டரில் மேற்கொள்ளலாம். இது வெற்றிகரமாக செயல்பாட்டுக்கு வரும்போது, அவர்களே நேரடியாக பொருட்களை உற்பத்தி செய்து வழங்கலாம்.

கோவையில் உருவாகி வரும், இந்த ராணுவ தளவாட உற்பத்திக்கு இலக்கு ஏதேனும் உள்ளதா?

ஆரம்ப காலமாக இருப்பதால், அடுத்த 5 ஆண்டுகளில் 100 கோடி ரூபாய் அந்நியச் செலாவணியை ராணுவத்திற்கு மிச்சப்படுத்த வேண்டும் என செயல்பட்டு வருகிறோம். அடுத்த 10 ஆண்டுகளில் சிறு, நடுத்தர தொழில் நிறுவனங்கள் இணைந்து, ஒரு தொழிற்சாலையாக செயல்படும்போது, சுயசார்பு தன்மையை நாடு எட்டும் என எதிர்பார்க்கலாம். கோவையில் உருவாகும் கிளஸ்டர், நாடு முழுவதும் 100 கிளஸ்டர்களை உருவாக வழிவகுக்கும்.

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