

NDA / MoU / Agreement signed by CSIR-NAL				
Sl.No	TITLE OF MOU	INDUSTRY NAME & ADDRESS	Date of Signing	Duration of MOU
1	Development of GTX-35 VS Engine Programme	GTRE, Bangalore	24-Oct-89	Long term
2	Joint development of 4 seater aircraft	Plexion Technologies Limited, Bangalore	8 Nov 06	25 years
3	MoU for instrumented meteorological towers in Himalayan region	G. B. Pant Institute of Himalayan Environment & Development, Kosi-Katarmal, Almora, Uttarakhand- 263643, India,	24 Feb 09	No limit
4	MoU for development of 76mm projectile	PXE-DRDO, Balasore	18 Sep 12	10years
5	MoU for Development of production technology for SMA wires	HAL, Bangalore	20 Sep 12	10years
6	NDA for exchange technical and commercial information for the purpose of installing a PT6A-67A engine or derivative in the SARAS military aircraft.	PWC, Canada	15 Feb 13	10years
7	MoU for NTAF augmentation	VSSC, DRDO	17 Apr 13	15years
8	MoU for shape memory rods	Mishra Dhatu Nigam Ltd, Hyderabad	9 Jul 13	10years
9	NDA for development, manufacture, sale nad support of business, regional, commercial and amphibious aircraft.	Bombardier Inc, Dorval, Province of Quebec, Canada	10 Jul 14	10years
10	NDA for video of autoclave complex	BMI Bangalore	9 Feb 15	20years
11	RCA for Patent Application on the invention "An improved internal reforming solid oxide fuel cell and a process for fabrication thereof"	IISc, Bangalore	22 May 15	Long term
12	MoU for for collaboration in: Wind Energy, Solar-Wind Hybrid Energy, Green Energy Integration	M/s SIKCO Engineering Services, Mumbai	1 Jan 16	10years
13	Agreement for lease of Hansa Aircraft	Mesco Aeropsace Ltd, New Delhi	14 Jan 16	10years
14	MoU for for collaboration in forming of aerospace, marine, and sport utilities out of special Aluminium alloys and composites	M/s Magpulse Technologies PVT LTD , Bangalore	13 May 16	10years
15	MoU for NKN	NIC New Delhi	27 May 16	long term
16	NDA for sharing E&M Mod Kit for Mirage Aircraft	HAL Bangalore	7 Jul 16	7years
17	This Agreement for the Development of wind solar hybrid systems	Enzen Global Solutions Private Limited, Bangalore	15 Nov 16	8years
18	MoU for utilizing the composite manufacturing facility	M/s Centenary Enterprises, Bangalore	3 Jan 17	5Years
19	NDA for SANT Model testing	RCI Hyderabad	12 Jan 17	5Years
20	MoU for development of SMP based product	SIL, Sangli, MS	23 Jan 17	10years
21	NDA for HT solar selective coating	SERIIUS Consortium	6 Feb 17	5Years
22	MoU for research and academic linkage	BMS institute of technology and management, Bangalore	6 Jan 17	5Years
23	Agreement for development of NTSMA stents	FLL Pvt Ltd Mogappir, TN	27 Feb 17	10years
24	License Agreement for TT on SMA products	MIDHANI Hyderabad	4 Mar 17	10years
25	MoU Renewal for research and academic linkage	East West Institute of technology, Bangalore	11 Apr 17	5years
26	MoU for Dynamic testing and FAR certification of aerospace seat	M/s Timetooth Technologies New Delhi	29 Jun 17	5years
27	MoU for Academic and research linkage	Jawaharlal Nehru Technological University (JNTU), Kakinada	17 Aug 17	5years
28	MSA for SoW execution	Honeywell technology Solutions Pvt Ltd Bangalore	3 Oct 17	5years
29	NDA for protection of information from CSIR-NAL	Sumeru Software Solutions, Bangalore	9 Oct 17	5years
30	Agreement for supply of 1Lakhs unit of GMR sensor	Jayshree electron pvt ltd Pune	17 Nov 17	5years
31	MoU for CF technology	Reliance Industries Limited (RIL) Mumbai		5 years
32	NDA for providing expert support "Radome manufacturing Technology, Composite Component manufacturing for AMCA, Wind Tunnel Testing"	M/s VEM Technologies Pvt. Ltd, Hyderabad	30 Apr 18	5 years
33	NDA for Sky based urban transportation using VTOL system technology	M/s Vimanika Aerospace LLP, Gurgaon, Haryana	5 May 18	5 years
34	NDA for seeking information on certification applications to national or international airworthiness authorities.	M/s Focus Industrial Solutions Bengaluru.	22 Oct 18	5 years
35	NDA for GE102 Engine and 70-90 Seater Commercial Aircraft Program, as well as the Advanced Turbo Prop/Catalyst Engine.	GE Aviation, New York, Ohio	11 Oct 18	5 years
36	NDA for the protection of confidential information exchanged in connection with 50 TPA Carbon Fibre Project	MIDHANI Hyderabad	17 Jan 19	7 years
37	Collaborative Research Agreement for executing the Sponsored project on "Studies upon Modification of High Entropy alloy for Thermal Barrier Coating Applications"	SRM Institute of Science and Technology, Kattankulathur, Tamilnadu.	6 Dec 18	Unless terminate either by party
38	Non-Disclosure Agreement with Liebherr-Aerospace & Transportation SAS., at 408, Avenue des Etats-Unis, 31016 Toulouse Cedex 2, France	Liebherr Aerospace & Transportation SAS, France (LAT)	20-02-19	10 years
39	MoU for Collaborative work in Aerospace Research and Development in the area of flow separation control in transonic and Supersonic flows.	Technical University of Munich, Germany	17-01-19	3 years
40	Non-Disclosure Agreement to obtain RFQ for designing of high speed wind tunnel models and other components through Additive manufacturing.	Wipro Enterprises (P) Limited (through Wipro 3D), Bengaluru	18-02-19	5 years
41	Non-Disclosure Agreement to obtain RFQ for designing of high speed wind tunnel models and other components through Additive manufacturing.	Intel DMLS Private Limited, Bengaluru	14-02-19	5 years
42	MoU for undertaking SERB; DST project jointly with IIT Kanpur	IIT Kharagpur	23-04-19	3 years

43	Non-Disclosure Agreement to obtain RFQ for designing of high speed wind tunnel models and other components through Additive manufacturing.	HAL, AERDC, Bengaluru	14-08-19	5 years
44	Non-Disclosure Agreement to obtain RFQ for designing of high speed wind tunnel models and other components through Additive manufacturing.	AMACE, Bengaluru	02-04-19	5 years
45	Non-Disclosure Agreement to obtain RFQ for designing of high speed wind tunnel models and other components through Additive manufacturing.	LYCAN, Bengaluru	11-04-19	5 years
46	MoU for Utilising the Technical Expertise, Infrastructure, Laboratory Facilities & Consultancy Services from CSIR-NAL	Aircraft Accident Investigation Bureau (AAIB), MoCA, New Delhi	10-05-19	5 years
47	Partnership Agreement to cover the fabrication, installation & commissioning of Integrated System comprising of DRISHRI Transmissometer and AWMS	India Meteorological Department	20-05-19	5years
48	NDA to develop Prepregs based on Epoxy, Cynate Ester, BMI/Polyimide resins proprietary formulation.	M/s. Bhor Chemicals & Plastics Pvt Ltd, Mumbai	05-07-19	3 years
49	MoU for CSIR-NAL's support in testing, guidance in specified areas of design & development and composite component development for the indigenous design and development by GENSER of 2+7 seater Light Business Jet namely "RAJAS".	M/s. Genser Aerospace and Information Technologies Private Limited, Bengalore	27-06-19	10 years
50	MoU for CSIR-NAL's support in development & Certification of 8seater Amphibious Aircraft.	M/s. Aanjaneya Aerodynamics Pvt Ltd, Vadodara	20-06-19	10 years
51	MoU for Skill Development for the betterment of the industry	Aerospace & Aviation Sector Skill Council (AASSC) Bangalore	25-05-19	3 years
52	NDA for Wind Tunnel Testing of SARAS Mk2 Model	Calspan Corporation, New York, USA	09-10-19	5 years
53	MoU for joint working to exploit complimentary expertise / capabilities on " Avionics Suit for Civil Aircraft, Surveillance System, Multi-Functions Displays, NAVCOM Systems, Infrastructure and facilities for manufacturing Composite components"	M/s. BEL, Bangalore	04-12-19	5 years
54	NDA for Development of RTA and SARAS MKII Aircraft project at CSIR-NAL	M/s. GDC Engineering LTD, Dorset, UK	05-05-20	5 years
55	NDA for wind tunnel testing and data generation for SARAS MKII Aircraft Project at CSIR-NAL	M/s. TsAGI, Moscow, Russia	04-03-20	10 years
56	NDA for wind tunnel testing and data generation for SARAS MKII Aircraft Project at CSIR-NAL	M/s. ONERA, Centre de Palaiseau, France	13-05-20	5 years
57	NDA for exchange of information related to SARAS MKII Program for exploring potential business relationship	M/s. Honeywell Technology Solutions Lab Pvt Ltd., Bangalore	09-09-19	3 years
58	MUTUAL NON DISCLOSURE AGREEMENT for TAML provide products and services to to their customer in the filed of Aerospace and Aeronautics with the testing and analysis support from CSIR-NAL	TATA Advanced Materials Limited (TAML),Bangalore	06-11-19	3 years
59	MoU for Airframe Design and In-board Layouts, Machanical Systems - Sizing & Specifications, Cockpit & Cabin Ergonomics, Design for Manufacturing, Product Life Cycle Management (PLM)	Centre of Excellance in Aerospace and Defence (CoE A&D), Bangalore	30-09-19	5 years
60	NDA for Development of Chassis, IO termination panel and backplane for CSIR-NAL's Integrated Avionics Display Computer (IADC)	M/s. Mistral Solutions Pvt Ltd, Bangalore	23-09-19	completion of project
61	NDA for exchange technical and commercial information pertaining to Nacelle design and development for Pusher and Tractor configurations of SARAS MKII project at CSIR-NAL	M/s. The Nacelle Group Limited, Northern Ireland Company, City of Newry, Northern Ireland, United Kingdom	27-11-19	10 years
62	NDA for exchange technical and commercial information related to optimizing seating system and technical specification to SARAS MKII project at CSIR-NAL	M/s. Explicseat, 20 rue Bouvier, 75011 Paris, France	06-12-19	5 years
63	NDA for exchange technical information related to Cockpit and processing, Fuel Management, Electromechanical Actuation, Power Management and controls	M/s. Javaji M Consulting Pvt Ltd, Bangalore	08-11-19	3 year
64	NDA to obtain information on propeller for optimizing turboprop engine for SARAS MKII Aircraft project at CSIR-NAL	M/s. Hartzell Propeller INC, USA	09-12-19	5 years
65	MoU in process to transfer of CSIR-NAL's developed Eco-friendly anodization process	M/s. Vijaya Metal Finishers, Bangalore	31-01-20	2 Years
66	NDA for Electromagnetic facility for HAL's UAV Project	HAL, Bangalore	04-01-20	3 years
67	NDA for SARAS Mk2 and HANSA NG Aircraft	M/s. Micronel Global Engineers Pvt Ltd, Bangalore	03-01-20	2 years
68	NDA for design and development of SARAS MKII and HANSA NG	Micronil global Engineers Pvt Ltd	03-02-20	2 Years
69	NDA for Saras MKII Programme	Altran Technologies India Pvt Ltd, Bangalore	12-02-20	5years
70	MoU for Production and Supply of NAVCOM Systems	M/s Cyient Ltd, Bangalore	28-02-20	10years
71	MoU for design and development Certification, Production and Life Cycle Maintenance of SARAS MKII Aircraft	HAL Bangalore	13-03-20	till SARAS Project

72	NDA for development of mathematical models of Flight Dynamics of fighter aircraft and helicopter, 3D scanning of aircraft and helicopter for CAD modeling and associated services in relation to Military Aircraft Mission Simulators and delivery of the Flight Dynamics model by CSIR-NAL to HAL	Mission and Combat System R&D Centre (MCSRDC), HAL Bangalore	01-05-20	5years
73	NDA for Design and Simulation Support in BFL Microgasturbine Generator	BHARAT FORGE LIMITED, Pune	01-05-20	2 Years
74	NDA for Nacelle design and development for Pusher and Tractor configurations of SARAS MKII project of CSIR-NAL	GKN Aerospace Bangalore	08-05-20	10years
75	NDA for configuration studies of SARAS MKII	DAR Corporation USA	12-05-20	10years
76	NDA for BiPAP portable ventilator	Datasol Bangalore	11-05-20	2 years
77	NDA for BiPAP portable ventilator	BHEL New Delhi	14-05-20	2 years
78	NDA for BiPAP portable ventilator	UniMech Aerospace and Manufacturing Pvt Ltd	20-05-20	2 years
79	NDA for BiPAP portable ventilator	Nfotec Digital Engineering Pvt Ltd.	20-05-20	2 years
80	NDA for BiPAP portable ventilator	Tantqyaan Soloutions, Bangalore	20-05-20	2 years
81	NDA for BiPAP portable ventilator	Analogic Controls India Limited	28-05-20	2 years
82	NDA for BiPAP portable ventilator	Sahaianand Impex. Pvt., Ltd, Mumbai	29-05-20	2 years
83	NDA for BiPAP portable ventilator	Paras Defence & Space Technologies Ltd., Mumbai	11-05-20	2 years
84	NDA for BiPAP portable ventilator	Patil Electric Work, Bengaluru	07-08-20	2 years
85	NDA for BiPAP portable ventilator	Apollo Computing Laboratories, Hyderabad	07-05-20	2 years
86	NDA for BiPAP portable ventilator	Cyient Ltd, Bengaluru	08-05-20	2 years
87	NDA for BiPAP portable ventilator	Remido innovative Solutions, Bengaluru	08-05-20	2 years
88	NDA for DC Power Distribution Unit for Avionics Integration Test Rig of SARAS Mk-II	Naabhya Interconnect LLP	01-06-20	5years
89	NDA for SARAS Mk2 aircraft activities	Dassault Systems India Private Limited, Gurgaon	02-06-20	2years
90	NDA for Lithium Iron phosphate (LiFePO4) battery to be required for SARAS Mk2 Aircraft	MID-CONTINENT INSTRUMENT CO., INC., 9400 E. 34th Street North, Wichita, Kansas 67226	09-07-20	5years
91	NDA for development of ku-band radome	LRDE BANGALORE	17-06-20	5years
92	NDA for RSPA configuration	ADA Bangalore	18-06-20	5years
93	NDA for Air cooled oil cooler	Boyd Corporation, CA, USA	04-08-20	5years
94	NDA for Electromagnetic testing of AESA, Radome and nosecone for LCA AF Mk2 aircraft	ADA Bangalore	10-08-20	2years
95	NDA for Advanced Medium Combat Aircraft (AMCA)	ADA, Bangalore	21-09-20	10 years
96	NDA for upgradation of Teamcenter PLM Software	Siemens Industry Software (India) Pvt Ltd, New Delhi	21-09-20	2years
97	NDA for Design and Development of Visual Projection System	CAE India Pvt Limited, Bangalore	05-09-20	2years
98	MoU for Experimental Aeroelastic studies on GSLV Mk-II and Gaganyaan Configuration	Human Spaceflight Center, ISRO, Bangalore (HSFC)	20-08-20	21 month after sanction of the project
99	NDA for SARAS Cabin details for interior solutions and weight budgeting	Airworks India (Engineering) pvt Ltd, Gurgaon	25-08-20	5 years
100	NDA for SARAS Cabin details for interior solutions and weight budgeting	Umlaut Pvt Ltd, Bangalore	05-08-20	5 years
101	NDA for HANSA NG related to evaluation of Business Potential & Plans	Flight Simulation Technique Centre Pvt Ltd, Haryana	14-09-20	2 years
102	Memorandum of Agreement for providing support for supply of Automated Weather Observing Systems (AWOS) for installation at 18 Airports across India.	Central Electronics Limited, New Delhi	18-09-20	on completion of supply the tendered item
103	Publishing Agreement for "A Pratical Approach to 3D Weaving"	Springer Nature Switerland	01-11-20	
104	MoU for mutual co-operation and promotion of research and development	Head Quarters Maintenance Command (HQ-MC) Indian Air Force, Nagpur	24-11-20	Long terms
105	Collaborative Agreement for sahring of ownership and IP Rights	Indian Institute of Technology Madras (IITM) Chennai	01-02-21	Valid upto Joint IP
106	Collaborative Project Agreement for development of lignin based carbon fibre through Melt Spinning Process	Bharat Petroleum Corporation Limited (BPCL), Noida, UP	31-12-20	2 years
107	NDA for Electric Motors and Motion Control Systems	Printed Motor Works Limited	22-10-20	4 years
108	NDA for Windshield transparencies to SARAS Mk-II Aircraft	PPG Industries Middle East, Dubai	29-10-20	5 years
109	NDA for fabrication drawings of Gas turbine Engine components	Ethereal Machine, Bangalore	28-10-20	2 years
110	NDA for Supply of Off-the-Shelf Line Replaceable Units or components of Hydraulics, Flight Control, Fuel, Electrical and Electronics Systems, Fire Protection Systems etc., for SARAS Mk-II Aircraft	7 companies as part of Collin Aerospace	29-10-20	10 years
111	NDA for design and development of Real Time Simulator for System Integration Facility to SARAS Mk-II vide P.O NAL/PUT/CAD/310/19-Z dt: 10-06-2020	ComAvia Systems Technologies Pvt Ltd, bangalore	02-11-20	2 years
112	NDA for utilization of NAL's testing facility for their aerodynamics system testing.	Agnikul Cosmos Pvt Ltd., Chennai	03-11-20	3years
113	NDA to develop an inetegrated Solid Oxide Fuel Cell (SOFC) System	h2e Power Systems Pvt Ltd, Pune	18-11-20	2 years

114	NDA for Solar Cells, Sheets and applications to portable solar power, UAV, HAPS, Zephyr and space terrestrial.	Microlink Devices, USA	20-11-20	3 years
115	NDA for LRUs, components or assemblies of hydraulics, landing gear, flight control, fuel, electrical and electronics systems etc.	Parker Hannifin GmbH, Germany	19-11-20	5 years
116	NDA for Design Development and certification of SARAS Mk-II Aircraft	M/s. Safran Electronics & Defence, France	04-12-20	2 years
117	NDA for manufacturing of scaled models, support systems, balance and related components for wind tunnel tests	M/s. Objectify Technologies Pvt, Ltd., Delhi	04-12-20	2 years
118	NDA for Off-the-Shelf Line Replaceable Units (LRUs) or Components or Assemblies of Hydraulics, Landing Gear, other Systems etc. or modification or new development required for use in systems of SARAS Mk II aircraft program	(1) APPH Limited (DBA Héroux-Devtek, UK), 8 Pembroke Court, Chancellor Road, Manor Park, Runcorn, WA7 1TG	22-01-21	5 years
119	NDA for manufacturing of scaled models, support systems, balance and related components for wind tunnel tests	M/s. Innovae3D Private Limited, Plat no. PAP-V-137, Phase-2, MIDC Chakan, Village Vasuli Tal, Thed, Dist, Pune - 410501	08-12-20	2 years
120	NDA for sharing of information related to supply of engine mount isolater suitable for PT6A-67A engine and integrate in SARAS - MK-II Aircraft	M/s. Hutchinson Aerospace & Industry Inc.#4510 Van Owen Street 91505 Burbank, California, USA.	18-12-20	10 years
121	Collaboration Agreement for Development of GMR based Spin Valve Current Sensor	M/s. Electrohms Pvt Ltd., Industrial Suburb, Ullas Theatre Road, Yeshwantpur, Bangalore - 560 022	29-12-20	2 years
122	Agreement for collaboration Project on Development of lignin based Carbon Fibre through Melt Spinning Process	Bharat Petroleum Corporation Limited, Udyog Kendra, Surajour, Greater Noida U.P	31-12-20	2 years
123	NDA for manufacturing of scaled models, support systems, balance and related components for wind tunnel tests	Bharat Petroleum Corporation Limited, Udyog Kendra, Surajour, Greater Noida U.P	05-12-20	2 years
124	NDA for manufacturing of scaled models, support systems, balance and related components for wind tunnel tests	M/s. Entuple Technologies Pvt Ltd., Trikannika, 80ft Road, HAL 3rd Stage, Indiranagar, Bangalore - 560038	09-12-20	2 years
125	NDA to obtain information on BRP-Rotax engines for on-going HANSA NG Project at CSIR-NAL.	BRP Rotax GmbH & Co KG, Rotaxstrasse 1, A-4623 Gunskirchen, Austria	13-01-21	3 years
126	NDA for sharing of confidential Information related to Oxygen Sensor	M/s. Rotary Electronics Pvt. Ltd., Bangalore	13-01-21	2 years
127	MoU for development and deployment of cyber physical systems and superior individual subsystem	M/s. Lab to Market Innovation Pvt Ltd, Bangalore	28-01-21	5 years
128	NDA for for sharing of confidential information and exploring the discussion for Moog proprietary designed brake –manifold, Brake system, Aircraft systems, LRUs etc. for SARAS Mk2 Aircraft Programme.	M/s. Moog Controls Limited having principal place of business is at Ashchurch, Tewkesbury. Glos, England, GL20 8NA.	12-01-21	5 years
129	NDA for explore the discussion with each other regarding concept study and development of Foil bearings and rotor system suitable for High speed Applications.	M/s. Turbo Energy Private Limited, Chennai	09-02-21	2 years
130	NDA for sharing of confidential Information related to Design of Electromagnetic structures for fabrication of various electromagnetic structures like absorbers, antennas etc	M/s. Micropack Private Limited., Hyderabad.	05-02-21	2 years
131	MoU for Mutual co-operation in the field of advanced composites, Structural Testing & Evaluation and Development of UAV's	BEML, Bangalore	04-02-21	5 years
132	MoU for Mutual co-operation with emphasis on development of aviation meteorological equipment under Aatma Nirbhar Bharat Abhiyan	INDIAN AIR FORCE (DIRECTORATE OF METEOROLOGY, VCAS BRANCH) MINISTRY OF DEFENCE, GOVERNMENT OF INDIA	05-02-21	5 years
133	NDA for sharing of Information related to Fabrication of FSS-based Structures for Aerospace Applications for ongoing ADA - AMCA Radome Project.	M/s. Micropack Private Limited, Hyderabad	17-02-21	2 years
134	NDA for Parties intend to work on a common R&D project, in order to integrate a TURBOTECH turbogenerator into an aircraft designed by CSIR-NAL,	M/s. TURBOTECH, France	01-03-21	10 Years
135	MoU for computational electromagnetics and undertake research and development (R&D) projects in core areas of activities on turn-key basis.	M/s. Society for Applied Microwave Electronics Engineering & Research, Ministry of Electronics., Govt., of India (SAMEER)	04-03-21	5 years
136	NDA for sharing of confidential information and engage in discussions with each other relating to design and manufacturer of pilot and copilot seats for SARAS Mk2 Aircraft Program.	M/s. IPECO Holding Limited., UK	18-02-21	2 years
137	NDA for sharing of confidential information related to development of Fiber Optic Sensor based Structural Health Monitoring (SHM) Technologies for Experimental UAV	ADE, DRDO, Bangalore	23-02-21	10 years
138	Confidentiality Agreement for sharing of confidential information for the purpose of Procuring Techno-commercial Proposal of Wind tunnel testing for Morphing Wing UAV from CSIR-NAL.	M/s. Tata Advanced Systems Limited, Bangalore	10-03-21	5 years
139	NDA for sharing of information related to cable looms, connector types and interconnection details in relation to fiber optic and other cables.	M/s SASMOS HET Technologies Ltd, Bengaluru	10-03-21	1 year

140	NDA for sharing of information related to Fleet evaluation for exploring the suitability in RTA Project	M/s. Avions De Transport Regional (ATR) G.I.E., France	10-03-21	1 year
141	Bi-directional Non-Disclosure Agreement for sharing of confidential Information related to Siemens Teamcenter PLM Product and services for implement the SARAS Mk-II project on a product Lifecycle Management (PLM) platform at CSIR-NAL.	M/s. GenNext PLM Pvt Ltd., Pune – 411045	20-03-21	2 years
142	NDA for obtaining technical and/or commercial information related to Windshield transparencies required for SARAS Mk-II Aircraft.	M/s. MECAPLEX Ltd., Solothurnstrasse 138, 2540 Grenchen, Switzerland	19-03-21	5 years
143	MoU for HANSA NG Aircraft	Indira Gandhi Rashtriya Uran Akademi (IGRUA) UP	31-03-21	3 years
144	NDA for upgrading the VR based facility at CSIR-NAL. (SARAS Mk-II)	M/s. 3D Engineering Automation LLP, Pune	26-03-21	2 years
145	NDA for sharing of information related to Numerical Analysis to estimate the three dimensional ice accretion on 19 seat SARAS MK-II Aircraft geometry for various in-flight icing conditions.	Indian Institute of Engineering Science and Technology (IIST) Howrah, West Bengal	16-03-21	5 years
146	Project Agreement for Development of Sensing Elements for Oxygen (O2) and Nitrogen Oxide (NOx) Sensors for Automotive Application	M/s. Rotary Electronics Pvt Ltd., Bengaluru.	16-03-21	5 years
147	Mutual Non-Disclosure Agreement for exploring the non-civil market for commercialization of aircraft by making suitable changes as per the customer requirement.	M/s. TATA Advanced Systems Ltd, Bangalore	30-04-21	3 years
148	NDA for sharing of information related to wind tunnel testing of their VIKRAM-S & VIKRAM-I configurations.	M/s. Skyroot Aerospace Private Limited(SKYROOT), Hyderabad	24-06-21	1 year
149	NDA for sharing of information related to Integrated Avionics Display Computer (IADC) and Integrated Avionics and Flight Control Computer (IAFCC).	M/s. MISTRAL SOLUTIONS Pvt. Ltd. (MSPL), Bangalore	24-06-21	3 years
150	NDA for sharing of confidential information related to Radome for development of Large Rigid Radome system.	Larsen & Toubro Limited, Mumbai	20-07-21	10 years
151	NDA for sharing of confidential information related to CSIR-NAL's developed oxygen and NOx sensors for sample testing by ARAI and qualification of sensor for automotive applications.	Automotive Research Association of India, Pune	26-08-21	1 year
152	NDA for sharing of the following information related to 3D printing of the aircraft models at their factory.	M/s Uma Enterprises, Bangalore.	15-07-21	2 years
153	Agreement for Nationwide Deployment of Honeypots Devices for Cyber Threat Intelligence (CTI) generation for NCCC	Indian Computer Emergency Team; Ministry of Electronics and Information Technology, New Delhi	08-07-21	3 years
154	Collaboration agreement for Studies on Packaged FBG sensor and mounting mechanism for axle counting for Indian railway application	LAB TO MARKET INNOVATION PVT LTD, BENGALURU	06-08-21	8 month
155	NDA for obtaining 5 kg of Novel Corrosion Inhibitor with primer / coating systems for testing and evaluation at CSIR-NAL in order to explore the suitability in SARAS Mk-II Project.	M/s. Hexigone Inhibitors Ltd, UK	26-08-21	5 years
156	Amendment no. 1 to NDA for term extension of signed NDA on 15th April, 2019	M/s. Goodrich Aerospace Services Private Limited, Bengaluru (A part of Collins Aerospace)	27-08-21	2 years
157	Memorandum of Cooperation (MoC) for technical support in setting up of above mentioned Carbon Fibre facility at JAM.	M/s. Jindal Advance Materials Private Limited, New Delhi	27-08-21	3 years
158	Agreement for HANSA 3 (NG) Aircraft flying infrastructure, ground handling and flight handling logistics	Capt. Amit Dahiya, Kakroi Road, Sonipat, Haryana	17-08-21	1 year
159	TRI PARTY AGREEMENT FOR INSTALLATION OF DRISHTI AND AWOS SYSTEM AT HAL NEW HELICOPTER FACTORY HELIPORT, TUMAKURU	CSIR-NAL, HAL, CEL	09-12-21	1 year

160	Mutual NDA for wind tunnel model and other components	Innovative Design and Manufacturing Solutions, Bangalore,, 153, Byrathi bande, Kannur Post, Bangalore - 562149	24-09-21	5 years
161	Mutual NDA for wind tunnel model and other components	Fateen Technologies, 1A/5, Behind Minerva Mills, Magadi Road, Bangalore - 560023	25-09-21	5 years
162	Agreement for optimizing the configuration studies for the SARAS Mk-II 19seat light transport aircraft.	Prof. Leonardo Manfriani, 14, CH-6370 Stans, Switzerland	26-08-21	1 year
163	Mutual NDA for wind tunnel model and other components	kanthi Precisions Pvt Ltd, Plot. Mo. 126-B, Bommasandra Industrial Area, Hosur Road, Bangalore - 560099	22-09-21	5 years
164	Agreement for HANSA 3 (NG) Aircraft flying infrastructure, ground handling and flight handling logistics	Brigadier Amardeep Singh Sidhu, P-154, Sector - 108, Mohali Hills, Punjab - 140 307	02-03-21	1 year
165	Agreement for HANSA 3 (NG) Aircraft flying infrastructure, ground handling and flight handling logistics	Shri. Sadat Baig (AME), Begum manzil, No. 96; Subbanna Palya, Opp to Gowramma Building, MS Post, Bangalore - 560033	01-03-21	1 year
166	MoU on utilisation of Flight test crew for HANSA - 3 (NG) Programme	ASTE, Indian Air Force, New Delhi	06-10-21	1 year
167	MoU for Co-operative R&D for ongoing SARAS MKII (14 seater / 19 seater Aircraft) project and explore the business opportunities for domestic and global defense and civilian market, Co-operative R&D and technical support in development of 50 or 60 seater bigger aircraft, Assess and exploit domestic and global market potential, as also support during EASA & FAA approvals etc.	M/s OshoCorp Global Pvt. Ltd, #2994/5, 2nd Floor, Shiv Chowk, Ranjit Nagar, New Delhi -110008	11-11-21	3 years
168	MoU for exploring the possibilities of collaboration, testing and marketing of CSIR-NAL's Multicopter Drone.	M/s. IoTechWorld Avigation Pvt. Ltd, Gurgaon	27-11-21	2 years
169	MoU for exploring the possibilities of collaboration, testing and marketing of CSIR-NAL's Multicopter Drone.	M/s. Scientech Technologies Pvt. Ltd. Indore.	27-11-21	2 years
170	NDA for exploring the possibilities of collaboration and marketing of CSIR-NAL's Multicopter Drone.	M/s Bliss Aerospace Components Private Limited, Bangalore	13-11-21	1 year
171	NDA for exploring collaborative business and R&D opportunities in the areas of interest on mutually agreed terms and conditions	M/s Reliance Industries Limited (RIL), Mumbai	15-11-21	3 years
172	MoU for advancing their mutual interests to co-operate in academic and research linkages	PARALA MAHARAJA ENGINEERING COLLEGE, BERHAMPUR	10-11-21	3 years
173	NDA for obtaining proprietary information to decide on the procurement of off shelf line replaceable De-icing component systems for SARAS Mk-II Aircraft program	Goodrich Aerospace Services Private Limited, a UTC Aerospace Systems company represent through Goodrich De-Icing and specialty Systems, 1555 corporate Woods parkway, Uniontown, Ohio 44685	20-12-21	10 years
174	NDA for obtaining proprietary information to decide on the procurement of Flight Control Wheel for SARAS Mk-II	M/s. Innovista Sensors India Private Limited, Bangalore is affiliated to Crouzet and M/s. Crouzet's French branch	22-12-21	5 years
175	NDA for outsource the fabrication of ceramic based moulds of various shapes and sizes suitable for radiation assisted curing of polymer composites.	M/s Carborundum Universal Limited - Represented by its Super Refractory Division through its plant located at Plot No's 102 & 103, SIPCOT Industrial Complex, Phase II, Ranipet – 63240, Tamil Nadu,	03-12-21	1 year