

Systems and Subsystems for Industry to Design, Develop and Manufacture

Indigenous design, development and manufacturing of advanced defence systems require building of able defence ecosystem with industry. In line with the aim of 'Atmanirbhar Bharat', it is appropriate that the industry takes over development of technologies and systems where it has developed the capabilities. To this effect, DRDO has identified following 108 systems and subsystems which will be designed, developed and manufactured by industry only and will not be taken up by DRDO itself for development. DRDO may provide scientific/ technological support (<https://drdo.gov.in/industry-support>) and testing support (<https://drdo.gov.in/test-facilities>) wherever required for the development of these systems and subsystems on case to case basis.

S. No.	System/ Subsystem
1.	Mini & Micro UAVs
2.	Mini & Micro RoVs
3.	Un-cooled NV-IR Sights for Weapons (short range)
4.	Mountain Foot Bridge (Metallic)
5.	Multi Span Bridge (Metallic)
6.	Modular Bridge (Metallic)
7.	Floating Bridge (Metallic)
8.	Mines Laying and Marking Equipment
9.	NBC Shelters
10.	Armoured Engineering Reconnaissance Vehicle (AERV)
11.	Multipurpose Decontamination Systems (MPDS)
12.	Mobile Decontamination System (MDS)
13.	Solo Vehicle Based Transporter cum Tilter System
14.	Special Purpose Transporters up to 80 T Payload
15.	Loader cum Replenishment (LCR) Vehicles
16.	Anti-Terrorist Vehicle (ATV)
17.	Heavy Recovery Vehicle
18.	IR Flare
19.	Tank Transporter
20.	Multi Spectral Camouflage Net (MSCN)
21.	Unit Maintenance Vehicle
22.	Unit Repair Vehicle
23.	Bullet Proof Vehicle
24.	Missile Canisters
25.	Missile Assembly Jigs
26.	Missile Storage Containers
27.	Marine Rocket Launcher
28.	Image Intensified (II) Based Weapon Sights
29.	Single Mode LASER Source (up to 2 kW)
30.	Blast Doors
31.	Fire Detection Systems

S. No.	System/ Subsystem
32.	Telemedicine System
33.	Satellite Navigation Receivers
34.	Fabric for Parachutes
35.	TR Modules
36.	Batteries (Ag-Zn, Li Ion, Thermal)
37.	Microwave Receivers
38.	Single Board Computer
39.	Hardware for Onboard Computers
40.	Pneumatic Actuator System (up to 450 kgf)
41.	Stabilization Systems for Ground Based Applications
42.	Display Systems
43.	Hydraulic Actuation Systems (up to 16 T)
44.	Electro Mechanical Actuators (up to 2T)
45.	Cable Looms
46.	Relay Units
47.	Hardware for Fire Control Systems
48.	Video Converters
49.	Display Processors
50.	Navigation Radars
51.	Blast Sensors
52.	Routers
53.	Electric Power Conditioners
54.	Germanium Blanks
55.	Optical Blanks (BK 7, Fused Silica)
56.	Solenoid Valve (> 10 ms)
57.	EMP Protected Racks
58.	Shelters for Radar & Communication
59.	Antennas for Satellite Communication Receivers
60.	Airborne Displays
61.	PCM Decommutation System
62.	Tele Command System
63.	Transponder System
64.	Onboard SCP for Telemetry
65.	Onboard PCM for Telemetry
66.	Onboard Antennae for Telemetry
67.	High Nitrogen Steel
68.	2xxx, 5xxx,6xxx and 7xxx series Aluminum
69.	Rotary Joints
70.	Slip Rings
71.	Bearings High speed (Miniature)
72.	Torpedo Tubes
73.	Pressure Transducers
74.	Bus Controllers for 1553, CAN, 1773
75.	Power PC Back Planes
76.	Umbilical Connectors

S. No.	System/ Subsystem
77.	RF Cables
78.	RF Connectors
79.	Miniature Bearings
80.	Slewing Rings
81.	MIL – Connectors
82.	MIL – Relays (Electro Mechanical)
83.	MIL – Relays (Solid state)
84.	Pressure Tight and Non Pressure Tight Cable
85.	Pressure Tight and Non Pressure Tight Connectors
86.	RF Power Amplifier
87.	Bulk Up Converters
88.	EMP Power Line Filters
89.	EMP Data Filters
90.	EMI/EMC Filters
91.	EMI/EMC Gaskets
92.	Composite Materials Sea Water Pumps 40TPH & 125 TPH
93.	Miniature Self-regulating Dual Flow JT Cooler
94.	Solid State TTR, CTS, TAR Magnetron for OSA-AK-M
95.	Amplidyne
96.	Secure Customized 3G/LTE end –Points (Handsets/Dongles) for Mobile Network
97.	Pressure Measuring Instrument for Aircraft Application
98.	Air Data Probe for Aircraft Application
99.	Pumps for Aircraft Application-Hydraulic
100.	Nose Wheel Steering Manifold
101.	Angle of Attack & Angle of Side Slip Sensors
102.	Rotary Actuation Aggregators for Fighter Aircraft Application
103.	Total Air Temperature Probe
104.	Potentiometer for Aircraft Application
105.	Fuel System Components for Aircraft Application
106.	Marine Desalinators for Life Rafts
107.	Absorption Type Air Conditioning System Based on Waste Heat Recovery
108.	24 Gigabit Ethernet Switch

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