

**F. No. 1(18)/02/2023/5<sup>th</sup> PIL/Indig-DP**  
**Government of India**  
**Ministry of Defence**  
**Department of Defence Production**  
**Defence Offices Complex, K.G. Marg, New Delhi – 110 001**

25<sup>th</sup> June 2024

**OFFICE MEMORANDUM**

The initiatives towards self-reliance in Defence Manufacturing are aimed to promote local manufacturing of the LRUs/ Systems/ Sub-systems/ Assemblies/ Sub-assemblies/ Spares & Components/ Raw Materials etc. required for Defence Platforms and to reduce imports by the Defence PSUs (DPSUs). In this direction, four Positive Indigenisation Lists (PILs) consisting of **4666** critical items of DPSUs have been notified by DDP, of which **2972** items are already indigenised having import substitution value worth ₹3400+ crores.

Further, **346** items as identified by the DPSUs are hereby notified for the 5<sup>th</sup> Positive Indigenisation List (PIL) of DDP wherein critical Raw Materials, Spares & Components, Systems/ Sub-systems, Assemblies/ Sub-assemblies & LRUs related to Defence Platforms have been included for time bound indigenisation by the Industry.

The item-wise list along with the indicative timelines for indigenisation is placed at **Annexure**. These items will only be procured from Indian Industry after the timelines indicated in the list.



(Rolley M Varma)

Deputy Director General

**Encl:** Annexure

To,

All Ministries/Departments of the Government of India

**Copy to:**

1. PS to Raksha Mantri
2. PS to Raksha Rajya Mantri
3. DA to Chief of Defence Staff & Secretary (DMA)
4. PPS to Defence Secretary / PPS to Secretary (DP)/PPS to Secretary (DRDO)
5. PPS to Secretary (Defence Finance)
6. DA to CISC/ MA to VCOAS/ NA to VCNS/ AA to VCAS/ MA to AS (DMA)
7. DG (Acq)/ AS (DP)/ AS (DMA)/ DG (ICG)
8. JS (Army)/ JS (Navy)/ JS (Air)/ JS (Estt&Coord)/ JS (Works)
9. JS (NS)/ JS(AERO)/ JS (LS)/ JS (P&C)
10. All CMDs of DPSUs

DDP's 5<sup>th</sup> POSITIVE INDIGENISATION LIST (PIL)

SI No.	DPSU	Srijan PRO No.#	Name of LRU/ Assembly/ Sub-assembly/ System/ Sub-System/ Spares & Component/ Raw Material)	Name of the Platform	Indicative Timeline for Indigenisation (MMM-YYYY)
1	BDL	PRO0227	Inertial Measurement Unit	ATGM	Dec'2025
2	BDL	PRO0228	BLDC Motor with Encoder	ATGM	Dec'2025
3	BDL	PRO92663	NVG Compatible Display Panel for Counter Measures Dispensing System (CMDS)	CMDS for Aircraft and Helicopter	Dec'2028
4	BEL	PRO119285	APA:GOLDEN MODULES	Electronic Warfare	Dec'2026
5	BEL	PRO119330	Digital Receiver (SDC V2)	Electronic Warfare	Dec'2026
6	BEL	PRO119331	Front Panel General Assy.	Electronic Warfare	Dec'2026
7	BEL	PRO119332	Up Converter	Electronic Warfare	Dec'2026
8	BEL	PRO119333	Synthesizer	Electronic Warfare	Dec'2026
9	BEL	PRO119334	In / Out Matrix	Electronic Warfare	Dec'2026
10	BEL	PRO119335	Hardware Mother Board General Assembly	Electronic Warfare	Dec'2026
11	BEL	PRO119336	Phase 1 UREP	Electronic Warfare	Dec'2026
12	BEL	PRO119337	Phase 2 UREP	Electronic Warfare	Dec'2026
13	BEL	PRO122756	DC-DC CONVERTER O/P 4A +5V±15VDC I/P 16-40VDC	Tank	Dec'2026
14	BEL	PRO122757	CONTACTOR 40A COIL 28V	Tank	Dec'2026
15	BEL	PRO122758	ROTARY TRANSFORMER FOR BMP	Tank	Dec'2026
16	BEL	PRO122759	RELAY EM DPDT FLG-MT SHT 3A@28V 26.5VDC	Tank	Dec'2026
17	BEL	PRO122760	RELAY 28V DPDT	Tank	Dec'2026
18	BEL	PRO122761	SWITCH TGL DP MIL-G 5A@28VDC ON-NONE-ON	Tank	Dec'2026
19	BEL	PRO122762	SWITCH TGL SP MIL-G 5A@28VDC ON-NONE-ON	Tank	Dec'2026
20	BEL	PRO122763	SWITCH SENSE SPDT-DB 5A@28VDC TUR-TERM	Tank	Dec'2026
21	BEL	PRO122764	SWITCH SPST NO 16V	Tank	Dec'2026
22	BEL	PRO122765	CONNECTOR RECEPTACLE WITH CABLE	Tank	Dec'2026
23	BEL	PRO122766	CIRCULAR CONNECTOR	Tank	Dec'2026
24	BEL	PRO122767	ISOLATION AMPLIFIER	Tank	Dec'2026
25	BEL	PRO122768	FILTER EMI 1K-1G 50VDC 10A 70dB	Tank	Dec'2026
26	BEL	PRO122769	FILTER EMI PI 100M-1G 100VDC 65dB	Tank	Dec'2026
27	BEL	PRO122770	POTENTIOMETER /VARIABLE RESISTOR- 5K,10K	Tank	Dec'2026
28	BEL	PRO122771	POTENTIOMETER /VARIABLE RESISTOR- 10K,220 OHMS	Tank	Dec'2026
29	BEL	PRO122791	RELAY HYBRID 28V DPDT	Tank	Dec'2026
30	BEL	PRO122792	Relay PHE22	Tank	Dec'2026
31	BEL	PRO122793	RELAY NONHER 22V DPDT	Tank	Dec'2026
32	BEL	PRO122794	RELAY POLARISED NON HERMATIC	Tank	Dec'2026
33	BEL	PRO122795	CONTACTOR 100A 27V COIL27V	Tank	Dec'2026
34	BEL	PRO122796	SWITCH TOGGLE DP ON ON 4A	Tank	Dec'2026
35	BEL	PRO122797	SWITCH SENS SPDT-DB 5A@28VDC TUR-TERM	Tank	Dec'2026
36	BEL	PRO122798	PUSH BUTTON SWITCH	Tank	Dec'2026
37	BEL	PRO122799	SWITCH MICRO SPDT 10A/27VDC	Tank	Dec'2026
38	BEL	PRO122800	CONNECTOR CIRCULAR	Tank	Dec'2026
39	BEL	PRO122801	CONNECTOR RECTANGULAR	Tank	Dec'2026
40	BEL	PRO122802	POTENTIOMETER /VARIABLE RESISTOR - 10K,3.3K	Tank	Dec'2026
41	BEL	PRO122803	RESISTOR VARIABLE WWG 10K	Tank	Dec'2026
42	BEL	PRO122804	RESISTOR WIRE WOUND	Tank	Dec'2026
43	BEL	PRO122814	Potentiometers	Tank	Dec'2026
44	BEL	PRO122815	Contactor 100A 27V	Tank	Dec'2026
45	BEL	PRO122816	Contactor 40A 27V	Tank	Dec'2026
46	BEL	PRO122817	Fuse 4.15mm x 15mm, 250V	Tank	Dec'2026
47	BEL	PRO122818	Fuse Holder 4.15mm x 15mm, 250V	Tank	Dec'2026
48	BEL	PRO122819	Dc-DC Converter 12V	Tank	Dec'2026
49	BEL	PRO122820	Connector Receptacle 2PTT series	Tank	Dec'2026
50	BEL	PRO122821	Connector Plug 2PTT series	Tank	Dec'2026
51	BEL	PRO122822	Connector Receptacle 2RMG series	Tank	Dec'2026
52	BEL	PRO122823	Connector Plug 2RMT series	Tank	Dec'2026
53	BEL	PRO122824	Connector Receptacle RSG series	Tank	Dec'2026
54	BEL	PRO122825	Connector Plug RST series	Tank	Dec'2026
55	BEL	PRO122826	Connector PCB High density	Tank	Dec'2026
56	BEL	PRO122827	Relay 4PDT 5A	Tank	Dec'2026
57	BEL	PRO122828	Relay 3PDT 25A	Tank	Dec'2026
58	BEL	PRO122829	Relay 2PDT 10A	Tank	Dec'2026
59	BEL	PRO122830	Relay 2PDT 50A	Tank	Dec'2026
60	BEL	PRO122831	Switch Wafer 12 Posn	Tank	Dec'2026
61	BEL	PRO122832	Switch Wafer 4 Posn	Tank	Dec'2026
62	BEL	PRO122833	Switch Wafer 11 Posn	Tank	Dec'2026
63	BEL	PRO122834	Switch Toggle	Tank	Dec'2026
64	BEL	PRO122835	Switch Push button	Tank	Dec'2026
65	BEL	PRO122836	Micro switch	Tank	Dec'2026
66	BEL	PRO122837	Rotary Transformer for T-90	Tank	Dec'2026
67	BEL	PRO122904	6.5" LCD PANEL KIT WITH 1024-768 XGA RES	Defence Electronics	Dec'2027
68	BEL	PRO58615	Fire Wire	Tank	Dec'2024
69	BEL	PRO69386	DISPLAY LCD 17" RUGGED 1280X1024 SXGA	Defence Electronics	Dec'2027
70	BEL	PRO69387	DISPLAY LCD TFT 10.4" XGA FLAT RUGGED	Defence Electronics	Dec'2027
71	BEL	PRO92077	LCD DISPLAY	Defence Electronics	Dec'2027
72	BEL	PRO92078	DISPLAY LCD TFT MONITOR	Defence Electronics	Dec'2027
73	BEL	PRO92083	DUAL AXIS SERVO DRIVER	Defence Electronics	Dec'2026
74	BEL	PRO97631	SYNCHRO 11CDX4B	Defence Electronics	Dec'2027



SI No.	DPSU	Srijan PRO No.#	Name of LRU/ Assembly/ Sub-assembly/ System/ Sub-System/ Spares & Component/ Raw Material)	Name of the Platform	Indicative Timeline for Indigenisation (MMM-YYYY)
75	BEML	PRO100669	Inj. Pump, Euro-III	HMV 8X8 & 6X6	Dec'2027
76	BEML	PRO100670	FUEL INJ PUMP - TATRA E-II- 8X8	HMV 8X8 & 6X6	Dec'2027
77	BEML	PRO101041	Clutch plate	HMV 8X8 & 6X6	Dec'2027
78	BEML	PRO101042	Clutch cover	HMV 8X8 & 6X6	Dec'2027
79	BEML	PRO101830	QUARD CIRCUIT PROTECTION VALVE	HMV 8X8 & 6X6	Dec'2027
80	BEML	PRO101831	RELIEF VALVE (CHARGING VALVE)	HMV 8X8 & 6X6	Dec'2027
81	BEML	PRO101832	ELECTRO-PNEUMATIC VALVE	HMV 8X8 & 6X6	Dec'2027
82	BEML	PRO107452	Injection Pump Assembly (325 kW Engine)	HMV 8X8	Dec'2027
83	BEML	PRO107453	Injector Assembly (325kW Engine)	HMV 8X8	Dec'2027
84	BEML	PRO117555	BUSH PS 3020 KU	HMV 8X8 & 6X6	Dec'2025
85	BEML	PRO117556	BUSH 3535 KU	HMV 8X8 & 6X6	Dec'2025
86	BEML	PRO117557	BUSH PS 5040 KX	HMV 8X8 & 6X6	Dec'2025
87	BEML	PRO1190	TURBO-BLOWER HX50W 3580995	HMV 8X8 & 6X6	Dec'2027
88	BEML	PRO59195	Alternator-120Amps	HMV 8X8 & 6X6	Dec'2027
89	BEML	PRO70168	BUSH [GGB SMALL (40MM)]	HMV 8X8 & 6X6	Dec'2025
90	BEML	PRO70169	BUSH [GGB BIG (60MM)]	HMV 8X8 & 6X6	Dec'2025
91	BEML	PRO70233	BENT BUSHING PS9025 KX-01	HMV 8X8 & 6X6	Dec'2025
92	GRSE	PRO121813	AI Enabled Welding Helmet	Industry	Dec'2024
93	GRSE	PRO121814	Ship Borne Unmanned Aerial Vehicle	Ships	Dec'2025
94	GRSE	PRO122500	Autonomous Surface Vessel - Mine Counter Measure (ASV-MCM)	Naval Platform	Dec'2026
95	GRSE	PRO122501	High Endurance Autonomous Underwater Vehicle - Anti Submarine Warfare (HEAUV-ASW)	Naval Platform	Dec'2027
96	GSL	PRO103999	Level Luffing tower Cranes	Floating Dock	Dec'2027
97	GSL	PRO104001	Hauling System	Floating Dock	Dec'2027
98	GSL	PRO104009	Ballast Control System	Floating Dock	Dec'2027
99	GSL	PRO59485	Electro Hydraulic Articulated Crane	OPV/PCV/FPV/LPG Carrier	Dec'2024
100	HAL	PRO103824	Bush	Su-30 MKI	Dec'2025
101	HAL	PRO103848	Housing	Su-30 MKI	Dec'2025
102	HAL	PRO104034	Ring of Rod	Su-30 MKI	Dec'2025
103	HAL	PRO104047	Armoured Ring S/A	Su-30 MKI	Dec'2025
104	HAL	PRO104101	Protective Gasket	Su-30 MKI	Dec'2025
105	HAL	PRO105430	Adapter	Su-30 MKI	Dec'2025
106	HAL	PRO105441	Terminal	Su-30 MKI	Dec'2025
107	HAL	PRO117526	High Speed L Band Antenna	LCA	Dec'2026
108	HAL	PRO117527	TACAN Antenna [ATC-DME]	LCA	Dec'2026
109	HAL	PRO117531	Blade Antenna -A	LCA	Dec'2026
110	HAL	PRO117532	Blade Antenna -B	LCA	Dec'2026
111	HAL	PRO11959	Blade Fork (Teflon Coating)	ALH & LCH	Dec'2029
112	HAL	PRO121826	Primer	Su-30 MKI	Dec'2025
113	HAL	PRO121827	Casing	Su-30 MKI	Dec'2025
114	HAL	PRO121828	Support	Su-30 MKI	Dec'2025
115	HAL	PRO121830	Disc	Su-30 MKI	Dec'2025
116	HAL	PRO121832	Sealing Bush	Su-30 MKI	Dec'2025
117	HAL	PRO121833	Body	Su-30 MKI	Dec'2025
118	HAL	PRO121834	Cheek	Su-30 MKI	Dec'2026
119	HAL	PRO121835	Strap	Su-30 MKI	Dec'2026
120	HAL	PRO121837	Cover	Su-30 MKI	Dec'2026
121	HAL	PRO121839	Screwed In Adapter (Pipe Union)	Su-30 MKI	Dec'2026
122	HAL	PRO121840	Valve Assy	Su-30 MKI	Dec'2026
123	HAL	PRO121841	Filter Assy	Su-30 MKI	Dec'2026
124	HAL	PRO121844	Pusher	Su-30 MKI	Dec'2026
125	HAL	PRO121845	Enamel	Su-30 MKI	Dec'2025
126	HAL	PRO121849	Plug	Su-30 MKI	Dec'2027
127	HAL	PRO121850	Pressure Pipe Union	Su-30 MKI	Dec'2027
128	HAL	PRO121851	Stop	Su-30 MKI	Dec'2027
129	HAL	PRO121852	Anchor	Su-30 MKI	Dec'2026
130	HAL	PRO122021	Master Alarm Lamp (Flasher) Unit	LCA	Dec'2026
131	HAL	PRO122022	Magnetometer.	ALH	Dec'2026
132	HAL	PRO122023	Lower & Upper Eye end Assem	ALH & LCH	Dec'2029
133	HAL	PRO122858	Anti Glare Shield	Hawk	Dec'2025
134	HAL	PRO122862	Rotor & Switch for EMRU	Kiran	Dec'2025
135	HAL	PRO122863	Heat Exchanger	Jaguar	Dec'2027
136	HAL	PRO122864	Mount Vibro chock	Jaguar	Dec'2025
137	HAL	PRO123757	Digital Map Generator	LCA	Dec'2024
138	HAL	PRO124607	Display Mission Computer	Hawk MK 132 aircraft	Dec'2026
139	HAL	PRO124701	Digital Audio Management System—DAMS	ALH	Dec'2024
140	HAL	PRO124702	Multi Mode Navigation Sysytem(MNS)	ALH, DO-228 (Dornier)	Dec'2025
141	HAL	PRO124703	Automatic Identification System (AIS)	ALH, DO-228 (Dornier), UHM	Dec'2025
142	HAL	PRO124704	Distance Measuring Equipment (DME)	ALH, LUH	Dec'2025
143	HAL	PRO124705	Selective Calling (SELCAL)	Dornier, AVRO, AN-32	Dec'2025
144	HAL	PRO124706	UAV datalinks (UHF and C band)	Kiran UAV, CATS Warrior	Dec'2027
145	HAL	PRO124707	Radio Altimeter	Dornier	Dec'2025
146	HAL	PRO124708	Air Turbine Starter for Military Aircraft	Jaguar	Dec'2024
147	HAL	PRO15722	Weather Radar - Do-228	DO-228 (Dornier)	Dec'2028
148	HAL	PRO56609	Ram Air Shut Off Valve (RASOV)	DO-228 (Dornier)	Dec'2027
149	HAL	PRO56744	Emergency Undercarriage Selector Valve	LCA	Dec'2028

SI No.	DPSU	Srijan PRO No.#	Name of LRU/ Assembly/ Sub-assembly/ System/ Sub-System/ Spares & Component/ Raw Material)	Name of the Platform	Indicative Timeline for Indigenisation (MMM-YYYY)
150	HAL	PRO57313	Weather Radar - ALH	ALH	Dec'2029
151	HAL	PRO57806	Brake Parachute Actuator (LINEAR ELECTRO MECHANICAL)	LCA	Dec'2029
152	HAL	PRO58127	Lift transducer	DO-228 (Dornier)	Dec'2028
153	HAL	PRO58128	Lift Computer	DO-228 (Dornier)	Dec'2028
154	HAL	PRO58214	Gear Blow Down Unit	DO-228 (Dornier)	Dec'2027
155	HAL	PRO58221	Pilot Seat	DO-228 (Dornier)	Dec'2028
156	HAL	PRO58223	Co-Pilot Seat	DO-228 (Dornier)	Dec'2028
157	HAL	PRO58457	Flap Actuator	DO-228 (Dornier)	Dec'2027
158	HAL	PRO58623	GPS Antenna	Su-30 MKI	Dec'2027
159	HAL	PRO59414	Air to Air Refuelling Probe Assy	LCA	Dec'2028
160	HAL	PRO59444	Throttle Grip	LCA	Dec'2028
161	HAL	PRO59802	Speed Control Indicator	DO-228 (Dornier)	Dec'2028
162	HAL	PRO59812	Wing Tip Brake	DO-228 (Dornier)	Dec'2028
163	HAL	PRO60247	Double Seat	DO-228 (Dornier)	Dec'2027
164	HAL	PRO61642	Flap transmitter	DO-228 (Dornier)	Dec'2028
165	HAL	PRO62129	Voltage Regulator (RNM-1)	Su-30 MKI	Dec'2027
166	HAL	PRO62921	Radial Shaft Seals	ALH & LCH	Dec'2029
167	HAL	PRO63746	Bush (13 Types)	ALH & LCH	Dec'2029
168	HAL	PRO63841	Pressure Switch-363	LCA	Dec'2027
169	HAL	PRO63842	Pressure Switch-364	LCA	Dec'2027
170	HAL	PRO63843	Pressure Switch-490	LCA	Dec'2027
171	HAL	PRO70615	Transformer	Jaguar	Dec'2026
172	HAL	PRO72389	Ground Power Receptacle (GPR)	LCA	Dec'2028
173	HAL	PRO72794	Hot Air Leak Sensing Element	LCA	Dec'2028
174	HAL	PRO72795	Hot Air Leak Detection Control Unit	LCA	Dec'2028
175	HAL	PRO72800	Control cable - Under carriage Emergency	LCA	Dec'2028
176	HAL	PRO72803	Control cable - Park Brake Control	LCA	Dec'2028
177	HAL	PRO73323	V/UHF Radio (ACR 500LA)	LCA	Dec'2026
178	HAL	PRO73525	Charge Amplifier (Pre- Amplifier)	LCA	Dec'2028
179	HAL	PRO74059	Fuel Shut Off Cock	LCA	Dec'2029
180	HAL	PRO76365	Hover Light	ALH	Dec'2029
181	HAL	PRO76367	Rescue Hoist Light	ALH	Dec'2029
182	HAL	PRO76368	Belt Assembly (HOIST)& LITTER STRAP	ALH	Dec'2029
183	HAL	PRO77701	Altimeter Antenna	LCA	Dec'2026
184	HAL	PRO91217	LVDT-4 Duplex	LCA	Dec'2028
185	HAL	PRO91218	LVDT-5 Duplex	LCA	Dec'2028
186	HAL	PRO91219	LVDT-6 Duplex	LCA	Dec'2028
187	HAL	PRO91220	Linear Variable Differential Transformer (LVDT)	LCA	Dec'2028
188	HAL	PRO92124	Nose Wheel Steering Feedback Potentiometer	LCA	Dec'2028
189	HAL	PRO92141	Rotor Mast Seal	ALH & LCH	Dec'2029
190	HAL	PRO94237	L.P. Fuel Shut Off Cock	HTT-40	Dec'2026
191	HAL	PRO94297	Retraction Manifold	HTT-40	Dec'2026
192	HAL	PRO94298	Emergency Accumulator Manifold	HTT-40	Dec'2026
193	HAL	PRO98274	Under Carriage Selector Lever	DO-228 (Dornier)	Dec'2027
194	HSL	PRO0816	Flight Deck Heli Safety Net System	Ships	Dec'2028
195	HSL	PRO93281	Product for EMI/EMC Mitigation in Bridge Windows	Ships	Dec'2026
196	IOL	PRO121871	Light filter Coloured Glass KS-19 GOST 9411-81	T-90	Dec'2027
197	IOL	PRO121873	SCHOTT Glass Transparent Glass NLAf-21/ DNS OLF/OPT GLASS/SPEC/03-2.	T-90	Dec'2027
198	IOL	PRO121874	Leach Plate Opaque Glass DB-1SH 34*4.5 OST 3-1899-81 .	T-90	Dec'2027
199	IOL	PRO121875	Light filter Coloured Glass OS-13 SPEC. NO. OLF/OPT-GLS/SPEC/03-2 & GOST 9411-91	T-90	Dec'2027
200	IOL	PRO121876	Radiation Resistant Glass Transparent Glass BK-108 SPECN. NO. OLF/OPT-GLS/SPEC/03-1 AND GOST 3514-94.	T-90	Dec'2027
201	IOL	PRO121877	Radiation Resistant Glass Transparent Glass K-108L 140*70*70 SPECIFICATION NO.OLF/OPT-GLS/SPEC/03 AND GOST3514-76.	T-90	Dec'2027
202	IOL	PRO121878	SCHOTT Glass Transparent Glass NLAk-22 22*15 Blank/DNS AS PER OLF/OPT-GLASS/SPEC/03-2.	T-90	Dec'2027
203	IOL	PRO121879	SCHOTT Glass Transparent Glass NSF-14 BLANK AS PER OLF/OPT-GLASS/SPEC/03-2.	T-90	Dec'2027
204	IOL	PRO121880	SCHOTT Glass Transparent Glass NSF-8 BLANK AS PER OLF/OPT-GLASS/SPEC/03-2.	T-90	Dec'2027
205	IOL	PRO121881	Radiation Resistant Glass Transparent Glass LK-5 AS PER SPECIFICATION NO.GOST-3514-76 AND OLF/OPT-GLASS /SPEC/03-2	T-90	Dec'2027
206	IOL	PRO121882	Radiation Resistant Glass Transparent Glass LK-105 SE-2P AS PER SPECN NO.OLF/OPT-GLASS/SPEC/03-2.	T-90	Dec'2027
207	IOL	PRO121883	SCHOTT GlassTransparent GlassSF-6 BPK NO. MIL-G-174B OLF/OPT-GLASS/SPEC/010.	T-90	Dec'2027
208	IOL	PRO121884	Leach Plate Opaque GlassDB-1M AS PER SPECIFICATION NO. OST-3-1899-73.	T-90	Dec'2027
209	IOL	PRO121885	Light filter Coloured GlassKS-27 AS PER GOST 9411-91	T-90	Dec'2027



