

CSIR-NAL Project Procurement Tentative List 2023-24 as on May 29, 2023

SI NO	Description	QTY
1	High speed camera with 4MP resolution @ Min 7000 fps with double exposure mode capability for PIV	1
2	Aerosol seed generator capable of producing particle diameter size of 0.3nm and capable of injecting seed particles inside high pressure environment	1
3	Laser optics Support rails and high power optical surface mounts	1 set
4	High damage threshold optics for PIV measurement	1
5	Pressure sensitive paint	5 kits
6	LED light	
7	Light arm with length 1.5m and above. Longer length is preferred. Capable of withstanding 650mJ @10Hz laser power, laser beam diameter, 8mm @532nm	1
8	Computer high end for post processing PIV images, with SSD hard disk, 256GB ram and 3TB storage, 8 USB 3 ports for connection with PIV devices	4
9	Carbon UD Prepreg	100 sqm
10	Supply of Epoxy Tooling Bulk Ply preperg LTC216-3	150 sqm
11	Carbon BD Prepreg	50 sqm
12	High specific energy density battery and smart BMS	4 kWh
13	High efficiency flexible solar arrays	25 sqm
14	High power density BLDC motors for high altitude operation	4
15	Tedlar PVF Film (White)	5 rolls

16	Kulite pressure sensors of type: XCS-062-10D, XCS-062-30A	30 No
17	ESP Pressure sensors (16/32 port-15PSID	15 No
18	Silica Gel Sorbead-R (BASF)	15 Ton
19	Design Consultancy services for 2.5m x 2.5m Continuous Wind Tunnel and 1.75m x 1.75m Blowdown Wind Tunnel	1 No
20	Part Number Primary air filter AAP0540009-00089	4 Nos
21	Secondary air filter AAP0540009-00090	4Nos
22	Vibration probe AAP1407030-00100	4 Nos
23	spliteline gasket kit AAA3797125-00008	2 Nos
24	main oil pump AAP1401428-00633	1 No
25	Auxiliary pump assembly AAP1401428-00114	1 no
26	Auxiliary pump assembly AAP1401428-00013	1 no
27	Discharge below AAP0540139-01037	1 No
28	lubricating oil hose pipe AAP3794653-00173	2 no
29	lubricating oil hose pipe AAP3794653-00174	2 no
30	cylinder for stepper motor AAP1408596-00500	1 no
31	RTD.W/WELL (1/2 NPT CONNECTION) AAP3403629-00255	4 no
32	MOTOR.ELEC.ACTUATOR AAP1408596-00500	1 no

33	VALVE.BYPASS AAP0540008-00837	1 no
34	REGULATOR.TEMPERATURE AAP1401581-01628	1 no
35	New procurements - Software Licenses	1 no
36	High End Workstations	15 no
37	Desktop PC's	10 no
38	External Portable 10TB Hard disks	15 no
39	UPS Maintenance	1 no
40	AMC - Xerox Machine	1 no
41	Toner Cartridges	24 no
42	Software Licenses maintenance	3 no
43	Color laser printer	1 no
44	Black laser printer	1 no

The publication of this list shall not be construed as initiation of a procurement process and cast any obligation