

Information regarding public procurement plans for next 3 years

Name of the Organisation : ICAT

Website Link : www.icat.in

Ministry / Department : DHI

Note: The procurement projections are tentative and subject to change without notice disclaimer.

FY 2023-24

S. No.	Description of Item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Tonne...)	Estimated Value of procurement INR (in lakhs)	Dept
1	Vbox	Self - Explanatory	1	Nos.	15.00	FTL
2	RFT & 1000 kN noise enclosure	Self - Explanatory	1	Nos.	14.00	FTL
3	Temperature Module	16 channel module, total 4 nos.	4	Nos.	13.00	FTL
4	Mezzanine Floor	Turnkey	1	Nos.	11.00	FTL
5	Exhaust hot air gas setup	600 deg C, 20-71 kw/Hr	1	Nos.	5.00	FTL
6	Load cell 15 kN & 25 kN	Self - Explanatory	1	Each	3.00	FTL
7	DC Power supply	0-30 volts, 30 Amps.	1	Nos.	1.00	FTL
8	Smoke generation machine	Self - Explanatory	1	Nos.	0.80	FTL
9	Data Acquisition System	DAQ for electric vehicle application	1	Nos.	50.00	FTL
10	Equipment as per CS115 and CS 116 as per MIL 461	Self explanatory	1	Nos.	65.00	EMC
11	FAME Tender Package 2A for EV and EVSE testing consisting of AC Emulators; DC Emulators, Charging and Discharging Systems, Artificial Networks and Field Probes, EMC Chamber Accessories and Modification including installation of filters	Self explanatory	1	Nos.	1500.00	EMC

12	Microphones	Replacement of faulty sensors Free field, Random incidence and pressure field	10	Nos	13.00	NVH
13	Reference Sound Source	Capability Enhancement Supply of Omni Directional Source with power amplifier	1	Nos	7.00	NVH
14	Accelerometers	Replacement of faulty sensors 100 mv/g and 10 mv/g	20	Nos	25.00	NVH
15	Data Acquisition System	Capability Enhancement 60 Ch. Data acquisition system suitable with siemens software	1	Nos	80.00	NVH
16	New IOCS	Self - Explanatory	1		140.00	IT
17	MS Office 365	Self - Explanatory	500		98.00	IT
18	EBHS	Capability Enhancement Cabin leakage Tester for EBHS Testing on Passenger Cars	1	Nos	10.00	NVH
19	Deformable Crash Barriers (Frontal Impact)	Self explanatory	60	Nos.	100.0	PSL
20	Deformable Crash Barriers (Side Impact)	Self explanatory	40	Nos.	120.0	PSL
21	WFT Spare parts	Slip ring, connecting cables	1	Each	14.00	FTL
22	WFT Calibration & Checks	Calibration & Checks at Michigan Facility at US	1	Set	15.00	FTL
23	Bump & Driving simulator test rig	Self - Explanatory	1	Nos.	45.00	FTL
24	Upgradation of Controllers of test rigs	UTB-2, MAST-1,	3	Nos.	200.00	FTL
25	Pyranometer	Irradiation measurement upto 1600 watt/m2	1	Nos.	1.50	FTL
26	Up gradation of Ncode Software	Self - Explanatory	1	Nos.	60.00	FTL
27	Procurement of Catia Software	Self - Explanatory	1	Nos.	90.00	FTL
28	ICP Accelerometer	Self - Explanatory	20	Nos.	30.00	FTL

29	DC accelerometer	Self - Explanatory	20	Nos.	30.00	FTL
30	3D scanner along with Software	Self - Explanatory	1	Nos.	75.00	FTL
31	Dummy manikin for two wheeler	Self - Explanatory	1	Nos.	1.00	FTL
32	Desktop for Data analysis	Self - Explanatory	2	Nos.	5.00	FTL
33	Load cell, DAQ system, sensors	Self - Explanatory	1	Nos.	50.00	FTL
34	Multiaxial load cell	Self - Explanatory	5	Nos.	20.00	FTL
35	Vehicle Benchmarking test Facility	Tools & Equipments, Tear down tools, CMM	1	Set	40.00	FTL
36	Ev vehicle test rigs	Self - Explanatory	1	Nos.	100.00	FTL
37	Test facility of Hydrogen Fuel Cell Vehicle under Auto PLI scheme	Turnkey	1	Nos.	550.00	CTL
38	Performance test rig for fuel pump for Gasoline Direct injection (GDI) system upto 200 bar under Auto PLI scheme	Turnkey	1	Nos.	125.00	CTL
39	Performance test rig for Injector for Gasoline Direct injection (GDI) system (\geq 200 bar) under Auto PLI scheme	Turnkey	1	Nos.	150.00	CTL
40	Test rig for Heated fuel rail for Flex Fuel Engine (Bio fuel) under Auto PLI scheme	Turnkey	1	Nos.	90.00	CTL
41	Test rig for Heated Element for Flex Fuel Engine (Bio fuel) under Auto PLI scheme	Turnkey	1	Nos.	100.00	CTL
42	High Capacity Radial Fatigue Test rig (RFT)	Turnkey	1	Nos.	75.00	CTL
43	Upgradation of Cornering Fatigue Test Rig (CFT)	Turnkey	1	Nos.	25.00	CTL
44	Large climatic chamber for Ed shaker 6 Ton	Self Explanatory	1	Nos.	120.00	CTL
45	Design Validation / Product Validation Test Rigs	Turnkey	10	Nos.	15.00	CTL
46	Upgradation of software for HRP & SBS Test Rig	Software - Turnkey	1	Nos.	15.00	CTL
47	Uniaxial Accelerometers for Vibration Shaker Machines	Turnkey	4	Nos.	3.50	CTL
48	Replacement of ED shaker 1 Ton (Buy back option)	Turnkey	1	Nos.	65.00	CTL
49	G Lock & Tilt Lock Test rig	Turnkey	1	Nos.	90.00	CTL

50	Servo Electric Actuators with HMI (upto 20kN)	Turnkey	2	Nos.	24.00	CTL
51	Extension of mezzanine floor (10mX10mX4m)	Self Explanatory	1	Nos.	40.00	CTL
52	Digital Torque Wrench (1000Nm)	Self Explanatory	1	Nos.	1.00	CTL
53	weighing balance (upto 200 kg, LC - 5 gm)	Self Explanatory	1	Nos.	0.50	CTL
54	weighing balance (upto 75 kg, LC - 0.0001 gm)	Self Explanatory	1	Nos.	1.50	CTL
55	PLC with Cable (Siemens/Mitsubishi/Equivalent)	Turnkey	1	Nos.	1.20	CTL
56	Headform Impactor for safety glass testing (10kg)	Self Explanatory	1	Nos.	0.85	CTL
57	Dead Weights (1000 kg)	Turnkey	40	Nos.	1.50	CTL
58	Strain Gauging - Tool Kit	Turnkey	1	Nos.	1.00	CTL
59	Displacement sensor (Stringpot) - upto 1000mm	Turnkey	2	Nos.	1.00	CTL
60	DC Power supply (32V, 24 Amp.) - Ametek/Tektronics/Equivalent	Turnkey	1	Nos.	1.50	CTL
61	Push Pull Gauge (1000 N) - Imada/Equivalent	Self Explanatory	1	Nos.	1.00	CTL
62	Seat Index Measurement (SIP) for Seats	Self Explanatory	1	Nos.	1.00	CTL
63	Material Handling pallets (2 Ton)	Turnkey	3	Nos.	1.50	CTL
64	Lamp source for sheet and float glass (500W & point source mercury vapour short arc lamp - 250W)	Self Explanatory	2	Nos.	1.00	CTL
65	Durability Test Rig for Electric Vacuum Pump	Turnkey	1	Nos.	1.00	CTL
66	Standard Platinum Resistance Thermometer- (Pt-100)	Self-Explanatory	1	Nos	2.00	QCL
67	S Type Thermocouple	Self-Explanatory	1	Nos	5.00	QCL
68	Temperature Indicator -10CH/20CH (DAQ Scanner)	Self-Explanatory	1	Nos	5.00	QCL
69	Humidifier and dehumifiers	Self-Explanatory	1	Nos	5.00	QCL
70	Current Coil upto 1000A (Calibration Purpose)	Self-Explanatory	1	Nos	3.00	QCL
71	Precision Shunt upto 1000A (Calibration Purpose)	Self-Explanatory	1	Nos	3.00	QCL
72	Standard Weights of 20 kg	Self-Explanatory	150	Nos	30.00	QCL
73	Hydraulic Weight Crane(upto 100kg)	Self-Explanatory	1	Nos	3.00	QCL

74	Hydraulic Weight Carrier (Suitable for Tile Floor)	Self-Explanatory	1	Nos	3.00	QCL
75	AVL PUMA Upgradation (ETC-06,07)	Self-Explanatory	2	Nos.	300.00	ETL
76	Horiba Star Upgradation (ETC-04)	Self-Explanatory	1	Nos.	150.00	ETL
77	Lasys Upgradation (ETC-01 & 14)	Self-Explanatory	2	Nos.	100.00	ETL
78	New Test Bed readiness for E - Motor testing	Turnkey	1	Nos.	250.00	ETL
79	Intercooler	500kW, 300 kW	3	Nos.	20.00	ETL
80	Coolant Conditioning System	300 kW	1	Nos.	15.00	ETL
81	Fuel measurement & Conditioning System for flex fuel	150 kg/h	1	Nos.	75.00	ETL
82	Fuel Pressure Regulator	Turnkey	2	Nos.	12.00	ETL
83	Air Flow Meter	700 kg/hr	2	Nos.	40.00	ETL
84	Fuel Flow Meter - low range	30 kg/hr	2	Nos.	30.00	ETL
85	Exhaust Flow Meter	3000 kg/hr	1	Nos.	25.00	ETL
86	Coolant Flow Meter	0-50, 150 lpm	2	Nos.	5.00	ETL
87	CNG Flow Meter	50 & 80 kg/hr	2	Nos.	12.00	ETL
88	PNG Flow Meter	200 kg/hr	1	Nos.	6.00	ETL
89	CNG Cascade	20 Cylinder	1	Nos.	20.00	ETL
90	Particulate Measurement System WITH Particle Number	Self-Explanatory	2	Nos.	300.00	ETL
91	Off Road PEMS	Self-Explanatory	1	Nos.	200.00	ETL
92	HD PEMS, Dual Channel	Self-Explanatory	1	Nos.	175.00	ETL
93	Micro soot sensor HAS compliance	Self-Explanatory	1	Nos.	50.00	ETL
94	Opacimeter	Self-Explanatory	1	Nos.	30.00	ETL
95	Signal Generator / Function Generator	Self-Explanatory	1	Nos.	0.50	ETL
96	Procurement of gas Cylinder (ISO 17034)	Self-Explanatory	10	Nos.	15.00	ETL
97	Power Analyser	Self-Explanatory	1	Nos.	35.00	ETL
98	Data Logger(Temp. & Humidity)	Self-Explanatory	2	Nos.	2.00	ETL
99	Multimeter	Self-Explanatory	1	Nos.	0.50	ETL
100	FTIR New unit	Self-Explanatory	2	Nos.	200.00	ETL
101	Kit for HAS Compatibility for Devices up to 55kpa (FTIR,MSS, Smoke, Opacity meter	Self-Explanatory	2	Nos.	25.00	ETL
102	CNG Line Repairing and Upgrade	Turnkey	1	Nos.	50.00	ETL
103	Centa Coupling	Self-Explanatory	2	Nos.	3.00	ETL
104	MEXA Upgrade	Self-Explanatory	2	Nos.	60.00	ETL

105	Lambda Sensor	Self-Explanatory	1	Nos.	2.50	ETL
106	Torque Flange	0-250 Nm HBM	1	Nos.	12.00	ETL
107	High Speed Shaft for E-Motor testing	Self-Explanatory	1	Nos.	2.50	ETL
108	Test Bed upgrade for flex fuel	Turnkey	1	Nos.	100.00	ETL
109	Temperature Sensor RTD	Self-Explanatory	40	Nos.	0.80	ETL
110	Pressure Transducer	Self-Explanatory	20	Nos.	4.00	ETL
111	Temperature Sensor TC	Self-Explanatory	40	Nos.	1.40	ETL
112	Wire Braided Flexible pipe	Self-Explanatory	4	Nos.	0.80	ETL
113	Sound Calibrator	Self-Explanatory	1	Nos.	4.00	ETL
114	Primid Foam	Self-Explanatory	1	Nos.	2.00	ETL
115	MIC	Self-Explanatory	1	Nos.	1.00	ETL
116	Deq charger with limo connector	Self-Explanatory	1	Nos.	0.50	ETL
117	Gas chromatography with mass spectrometer (GC-MS)	Self-Explanatory	1	Nos.	60.00	ETL
118	Blower for 2W air cooled engines (Air velocity>120 kmph)	Self-Explanatory	1	Nos.	12.50	ETL
119	Cold chamber upgradation from -30 deg C to -40 deg C	Turnkey	1	Nos.	10.00	ETL
120	INCA software License & hardware	Self-Explanatory	2	Nos.	6.67	ETL
121	Engine inlet temp. air conditioning system for durability test cells	Self-Explanatory	1	Nos.	10.00	ETL
122	Combustion analysis system (Indicom)	Self-Explanatory	1	Nos.	40.00	ETL
123	Toughbook	Self-Explanatory	2	Nos.	5.00	ETL
124	OBD Scan tool licence	Self-Explanatory	1	Nos.	4.00	ETL
125	SMPS Power Supply	0-24 VDC, 25-50A	2	Nos.	1.00	ETL
126	CAHU	Self-Explanatory	2	Nos.	250.00	ETL
127	Torque sensor(0-150Nm & 0-15000rpm)	Self-Explanatory	1	Nos.	15.00	ETL
128	Portable gas leak detector	Self-Explanatory	1	Nos.	2.50	ETL
129	Refractrometer for Ad-blue	Self-Explanatory	1	Nos.	0.25	ETL
130	Portable RPM sensor with analog output	Self-Explanatory	2	Nos.	4.00	ETL
131	Humidity sensor	Self-Explanatory	2	Nos.	2.50	ETL
132	LN2 tank	Self-Explanatory	2	Nos.	0.50	ETL
133	AC & DC load bank(20kW)	Self-Explanatory	2	Nos.	10.00	ETL
134	EMC Signal Generators	Self explanatory	2	Nos.	60.00	EMC
135	EMI Recievers	Self explanatory	2	Nos.	210.00	EMC

136	EMC Power Meters with Avg. Power Sensors	Self explanatory	2	Nos.	40.00	EMC
137	Pulse Generators upgradation	Self explanatory	1	Nos.	250.00	EMC
138	DC resistive load- 350kW; 800V; 300A	Self explanatory	1	Nos.	50.00	EMC
139	CCS Simulator	Self explanatory	1	Nos.	5.00	EMC
140	Directional coupler 10kHz-1GHz	Self explanatory	2	Nos.	16.00	EMC
141	RF Switch	Self explanatory	1	Nos.	16.60	EMC
142	CTE trigger switch upto 24V	Self explanatory	1	Nos.	7.00	EMC
143	LISN range 30 Hz to 150 MHz as per MIL 461	Self explanatory	1	Nos.	9.00	EMC
144	Tachometer	Capability Enhancement Input frequency range-0.1 Hz - 120 kHz Accuracy-±0.01 %/F.S(±1 count)or less Output range-0 to 10 V Measurement range-IP- 292/296/3000A/3100:120 to 20000 r/min	1	Nos	4.00	NVH
145	Sound Level meter	Capability Enhancement Range 140 dB, Class 1	1	Nos	4.00	NVH
146	Testing Laptop	Replacement of faulty units Processor: Intel core i7 4th 2.80 GHz RAM: 8 GB DDR3 Storage: 256 GB SSD OS: Windows 10 Pro Graphics : Intel HD 4 GB Inbuilt	5	Nos	10.00	NVH
147	Server (Domain controller C1)	Self - Explanatory	1		32.00	IT
148	Server (ERP application)	Self - Explanatory	1		32.00	IT
149	Cyber security assessment	Self - Explanatory	1		65.00	IT
150	Firewall	Self - Explanatory	1		15.00	IT
151	Backup Storage (Main + DR)	Self - Explanatory	1		140.00	IT
152	Software development	Self -Explanatory	1	Nos.	5.00	I&C
153	Data storage devices	Self -Explanatory	1	Nos.	0.50	I&C

154	Tablets	Self -Explanatory	8	Nos.	1.60	I&C
155	Desktop as per new staff requirement	Self -Explanatory	As per Requirement		As per Requirement	I&C
156	Stationary Consumables	Self -Explanatory	As per Requirement		As per Requirement	I&C
157	Mileage Accumulation Chassis dynamometer Upgrade	Turnkey	1	Nos.	300.00	VTL
158	Upgradation of VTC-1 lab for Flex Fuel + WLTP Electrical Vehicle	Self - Explanatory	1	Nos.	320.00	VTL
159	Upgradation of Emission Analyzer for NVTC-1+ Automation + Flex Fuel + WLTP + Chassis Dyno	Self - Explanatory	1	Nos.	1400.00	VTL
160	Upgradation of Emission Analyzer for NVTC-2+ Automation + Flex Fuel + WTLTP + Chassis Dyno	Self - Explanatory	1	Nos.	1250.00	VTL
161	Master Test Property 2W	Self - Explanatory	1	Nos.	1.50	VTL
162	Master Test Property 2W BOV	Self - Explanatory	1	Nos.	1.50	VTL
163	Master Test Property 4W Gasoline	Self - Explanatory	1	Nos.	15.00	VTL
164	Endoscope for Part Check	Self - Explanatory	1	Nos.	2.50	VTL
165	Digital Camera for Part Verification	Self - Explanatory	2	Nos.	0.25	VTL
166	Fast Charger for EV Charging	Self - Explanatory	5	Nos.	20.00	VTL
167	Ethanol Tester	Self - Explanatory	1	Nos.	0.50	VTL
168	Silver OBD Scan tool	Self - Explanatory	1	Nos.	5.00	VTL
169	Power Supply for BOV Testing	Self - Explanatory	1	Nos.	60.00	VTL
170	Drive Upgradation of VTC-01 + Automotion Software	Self - Explanatory	1	Nos.	270.00	VTL
171	Drive Upgradation of MACD-01 + Automation Software	Self - Explanatory	1	Nos.	410.00	VTL
172	Emission System Upgradation VTC-2 + Chassis Dyno	Self - Explanatory	1	Nos.	1000.00	VTL
173	DIGITALMANOMETER & PERGE METER	Self - Explanatory	1	Nos.	0.77	VTL
174	Upgradation of Emission Analyzer for CVTC+ Automation + Flex Fuel + WLTP + Chassis Dyno	Self - Explanatory	1	Nos.	1170.00	VTL
175	Crash Dummy spares	Self explanatory	1	Lumsum	150.0	PSL
176	Servo Sled test equipment	Turnkey	1	Nos.	3,000.0	PSL
177	On board LED lights	Self explanatory	4	Nos.	40.0	PSL
178	Deformable Crash Barriers (Frontal Impact)	Self explanatory	60	Nos.	100.0	PSL
179	Deformable Crash Barriers (Side Impact)	Self explanatory	40	Nos.	120.0	PSL
180	Trigger (Tape) switches	Self explanatory	100	m.	5.0	PSL

181	CMM articulated arm	Self explanatory	1	Nos.	85.0	PSL
182	Crash sensors & instrumentation (Load cells, pressure sensors, voltage sensors, current sensors, potentiometers, optical sensors, temperature sensors, torque sensors etc.)	Self explanatory	1	Lumsum	50.0	PSL
183	Crash Track modification	Self explanatory	1	Nos.	200.0	PSL
184	Crash Test dummies (Child Dummies)	Self explanatory	1	Nos.	500.0	PSL
185	Crash System Software upgradation	Self explanatory	1	Nos.	50.0	PSL
186	WorlSID dummy as per Euro NCAP	Self explanatory	1	Nos.	900.0	PSL

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Financial Year 2024-25

S. No.	Description of Item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Tonne...)	Estimated Value of procurement INR (in lakhs)	Dept,
1	Upgradation of Controllers of test rigs	HF-MAST-1, 4Poster-2	3	Nos.	200.00	FTL
2	Climatic Chamber	1.5mx1.5m	1	Nos.	100.00	FTL
3	Telemetry System	Self - Explanatory	2	Nos.	10.00	FTL
4	Sensors & transducers	LVDTs, Pressure transducers, Strain Gauges, String pots etc.	10	Each	30.00	FTL
5	Road Profiler	Self - Explanatory	1	Nos.	40.00	FTL
6	Additional layers for Existing Logger	Self - Explanatory	4	Nos.	25.00	FTL
7	Axle durability test system	Self - Explanatory	1	Nos.	150.00	FTL
8	Load cell, DAQ system, sensors	Self - Explanatory	1	Each	50.00	FTL
9	Portable PTO Coupled load generator for HVAC test	Self - Explanatory	1	Nos.	70.00	FTL
10	Up gradation of Controller	Self - Explanatory	3	Nos.	200.00	FTL
11	Slip Rings	Self - Explanatory	8	Nos.	20.00	FTL
12	Customized test rigs for Durabilities	Self - Explanatory	1	Set	70.00	FTL
13	Spindle coupled Simulator	Upgradation of existing 4Poster to Spindle couple	1	Nos.	600.00	FTL
14	HW and SW upgrade to enhance acquisition and processing	Self - Explanatory	1	Nos.	50.00	FTL
15	Load cell, DAQ system, sensors	Self - Explanatory	1	Nos.	50.00	FTL
16	Brake Inertia Dynamometer – Brake Linings	Turnkey	1	Nos.	200.00	CTL
17	Bi-axial Test Facility for Wheel Rims of Passenger Cars	Turnkey	1	Nos.	500.00	CTL
18	Large Salt Spary Chamber (2mx2mx2m)	Self Explanatory	1	Nos.	35.00	CTL
19	TNO - 10 dummy for seat belts	Self Explanatory	1	Nos.	25.00	CTL
20	Visor Test facility for Helmet testing	Turnkey	1	Nos.	25.00	CTL
21	Headforms for Helmet Testing	Self Explanatory	7	Nos.	8.00	CTL
22	6.5 Calibrator	Self-Explanatory	1	Nos	70.00	QCL

23	Standard Resistor for mili and micro ohm meter calibration	Self-Explanatory	1	Nos	25.00	QCL
24	Loadcell Calibration Machine-Dead Weight Type (upto 20KN)	Self-Explanatory	1	Nos	50.00	QCL
25	Multi Frequency Sound level Calibrator (Portable)	Self-Explanatory	1	Nos	9.00	QCL
26	GPS Simulator	Self-Explanatory	1	Nos	20.00	QCL
27	Hydraulic Pump	Self-Explanatory	1	Nos	5.00	QCL
28	Pneumatic Pump	Self-Explanatory	1	Nos	2.00	QCL
29	Wind Tunnel for Anemometer Calibration	Self-Explanatory	1	Nos	5.00	QCL
30	Standard Anemometer	Self-Explanatory	1	Nos	1.00	QCL
31	AVL PUMA Upgradation (ETC-09)	Self-Explanatory	1	Nos.	150.00	ETL
32	lasys Upgradation (ETC-14)	Self-Explanatory	1	Nos.	50.00	ETL
33	CP Software Upgradation	Self-Explanatory	1	Nos.	50.00	ETL
34	New Test Bed readiness for E - Motor testing	Turnkey	1	Nos.	250.00	ETL
35	Hydrogen Fuel Test Bed	Turnkey	1	Nos.	2000.00	ETL
36	Intercooler	300kW, 400 kW	2	Nos.	13.33	ETL
37	Coolant Conditioning System	300 kW	1	Nos.	15.00	ETL
38	Fuel Pressure Regulator	Self-Explanatory	1	Nos.	6.00	ETL
39	Air Flow Meter	Ultrasonic 1000 kg/hr	2	Nos.	40.00	ETL
40	Fuel Flow Meter - low range	50 kg/hr	1	Nos.	15.00	ETL
41	Exhaust Flow Meter	2500 kg/hr	1	Nos.	25.00	ETL
42	CNG Flow Meter	50 kg/hr	1	Nos.	6.00	ETL
43	PNG Flow Meter	100 kg/hr	1	Nos.	6.00	ETL
44	Forklift	5 ton	1	Nos.	25.00	ETL
45	Gas Handling / Monitoring System	Turnkey	1	Nos.	20.00	ETL
46	Opacimeter	Self-Explanatory	1	Nos.	30.00	ETL
47	Weighing Scale	32 kg with 0.1 g accuracy	1	Nos.	10.00	ETL
48	Signal Generator / Function Generator	Self-Explanatory	1	Nos.	0.50	ETL
49	Referance Humidity sensor & Indicator	Self-Explanatory	1	Nos.	2.00	ETL
50	Battery Emulator	150 kW	1	Nos.	150.00	ETL
51	Portable DC Power Supply	40 kW	1	Nos.	20.00	ETL
52	Power Analyser	Self-Explanatory	1	Nos.	35.00	ETL
53	Multimeter	Self-Explanatory	1	Nos.	0.50	ETL

54	AMA i60 Upgrade	Self-Explanatory	1	Nos.	30.00	ETL
55	Particulate Measurement System WITH Particle Number	Self-Explanatory	2	Nos.	350.00	ETL
56	Centa Coupling	Self-Explanatory	2	Nos.	3.00	ETL
57	MEXA Upgrade	Self-Explanatory	2	Nos.	70.00	ETL
58	Lambda Sensor	Self-Explanatory	1	Nos.	2.50	ETL
59	High Speed Shaft for E-Motor testing	Self-Explanatory	1	Nos.	2.50	ETL
60	Temperature Sensor RTD	Self-Explanatory	40	Nos.	0.80	ETL
61	Pressure Transducer	Multiple ranges from 0.5 bar to 10 bar	20	Nos.	4.00	ETL
62	Temperature Sensor TC	Self-Explanatory	40	Nos.	1.40	ETL
63	Wire Braided Flexible pipe	Self-Explanatory	3	Nos.	0.60	ETL
64	Additional FEMs	For AVL test beds	1	Nos.	25.00	ETL
65	MIC	Self-Explanatory	1	Nos.	1.00	ETL
66	Blower for 2W air cooled engines (Air velocity>120 kmph)		1	Nos.	12.50	ETL
67	Engine inlet temp. air conditioning system for durability test cells	Self-Explanatory	1	Nos.	10.00	ETL
68	Toughbook	Self-Explanatory	1	Nos.	2.50	ETL
69	SMPS Power Supply	0-24 VDC, 25-50A	2	Nos.	1.00	ETL
70	CAHU Upgrade & Shifting	Turnkey	2	Nos.	250.00	ETL
71	LDS for NH3 measurement	Self-Explanatory	1	Nos.	35.00	ETL
72	Fuel storage tank for flex fuel	Turnkey	2	Nos.	10.00	ETL
73	Humidity sensor	Self-Explanatory	2	Nos.	2.50	ETL
74	Load Cell for eddycurrent dyno(100Nm & 200Nm)	Self-Explanatory	2	Nos.	0.50	ETL
75	RF and Connected Testing Setup consisting of Wireless Test Regulation Setup, 4G and 5G Simulator with accessories, V2X Test Setup	Self explanatory	1	Nos.	500.00	EMC
76	Microphones	Replacement of faulty sensors Free field, Random incidence and pressure field	20	Nos	25.00	NVH

77	Brake Noise Dynamometer	New Facility Component Level testing of brakes for Noise Performance	1	Nos	400.00	NVH
78	Impact Hammer, 5000 lbf	Capability Enhancement Measurement Range- ±5000 lbf pk, sensitivity-1 mV/lbf , class 1	1	Nos	2.00	NVH
79	Q Shakers with Amplifier	Capability Enhancement Frequency range for random testing: 50 to 5,000 Hz Force level: 2 Newton root mean square (Nrms) Internal sensors type: ICP	2	Nos	20.00	NVH
80	Shaker Sytem (For 6-DOF BSR System)	Capability Enhancement Compact BSR Vibration shaker	2	Nos	60.00	NVH
81	Climate Chamber on Existing BSR System	Capability Enhancement Temp. Requirement: (-30 deg. Cel to 90 deg cel) with humidity control	1	Nos	30.00	NVH

82	Impedence Tube	New Facility Internal Diameter (mm)- 100, 30, 45 Sound Absorption Standards - ASTM E1050 / ISO 10534-2 Sound Transmission Loss- Standard ASTM E2611 Frequency Range (Hz) 100- 1600 (100 mm dia), 700-6300 (30 mm dia), 100-4500 (45 mm dia) Microphones ¼", Pressure Field – 4 Nos Loudspeaker 4" in diameter, 15 Watts, 6 Ohm	1	Nos	15.00	NVH
83	Testing Laptop	Replacement of faulty units Processor: Intel core i7 4th 2.80 GHz RAM: 8 GB DDR3 Storage: 256 GB SSD OS: Windows 10 Pro Graphics : Intel HD 4 GB Inbuilt	3	Nos	6.00	NVH
84	Server (Child Domain controller C2)	Self - Explanatory	1		32.00	IT
85	Server (Guest Wifi controller)	Self - Explanatory	1		8.00	IT
86	Firewall	Self - Explanatory	1		15.00	IT
87	Desktop as per new staff requirement	Self -Explanatory	As per Requirement		As per Requirement	I&C
88	Stationary Consumables	Self -Explanatory	As per Requirement		As per Requirement	I&C
89	File Storage Rack	Self -Explanatory	1	Nos.	1.00	I&C
90	Battery emulator	Self - Explanatory	1	Nos.	150.00	VTL
91	Vehicle Weigment Machine	Self - Explanatory	1	Nos.	10.00	VTL
92	Clamp Meter Portable 0 - 500 Ampere	Self - Explanatory	2	Nos.	1.00	VTL

93	Master Test Property 4W Diesel	Self - Explanatory	1	Nos.	15.00	VTL
94	Power Analyzer	Self - Explanatory	1	Nos.	20.00	VTL
95	Nox Cabinat in VTC-1 Lab	Self - Explanatory	1	Nos.	40.00	VTL
96	Crash Dummy spares	Self explanatory	1	Lumsum	200.0	PSL
97	Upgradation of Pedestrian Facility	Turnkey	1	Nos.	200.0	PSL
98	Deformable Crash Barriers (Frontal Impact)	Self explanatory	60	Nos.	100.0	PSL
99	Deformable Crash Barriers (Side Impact)	Self explanatory	40	Nos.	120.0	PSL
100	Crash sensors & instrumentation (Load cells, pressure sensors, voltage sensors, current sensors, potentiometers, optical sensors, temperature sensors, torque sensors etc.)	Self explanatory	1	Lumsum	50.0	PSL
101	Trigger (Tape) switches	Self explanatory	100	m.	5.0	PSL
102	High Speed cameras	Self explanatory	5	nos.	300.0	PSL
103	Sled Dummy spares	Self explanatory	1	Lumsum	40.0	PSL

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Financial Year 2025-26

S. No.	Description of Item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Tonne...)	Estimated Value of procurement INR (in lakhs)	Dept
1	High Altitude climatic chamber	upto 15000 m	1	Nos.	250.00	CTL
2	Ingress & Egress Test facility for seats	Turnkey	1	Nos.	150.00	CTL
3	Advanced Fire Test Facilities	Turnkey	1	Nos.	30.00	CTL
4	Micro Balance	upto 200g	1	Nos	65.00	QCL
5	Weight Set-E1 Class	1mg to 200 g	1	Nos	7.00	QCL
6	Standard Platinum Resistance Thermometer- Pt25	Self-Explanatory	1	Nos	9.00	QCL
7	Torque Wrench Calibration System (upto 2000 Nm)	Self-Explanatory	2	Nos	20.00	QCL
8	CP Software Upgradation	Self-Explanatory	2	Nos.	100.00	ETL
9	Intercooler	500 kW	1	Nos.	6.67	ETL
10	Fuel Pressure Regulator	Self-Explanatory	1	Nos.	6.00	ETL
11	Air Flow Meter	1200 kg/hr & 2400 kg/hr	2	Nos.	40.00	ETL
12	Fuel Flow Meter - low range	20 kg/hr	1	Nos.	15.00	ETL
13	Coolant Flow Meter	0-50, 150 lpm	1	Nos.	2.50	ETL
14	CNG Flow Meter	100 kg/hr	1	Nos.	6.00	ETL
15	Blow by meter	Self-Explanatory	1	Nos.	15.00	ETL
16	Portable DC Power Supply	50 kW	1	Nos.	20.00	ETL
17	Kit for HAS Compatibility for Devices up to 55kpa (FTIR,MSS, Smoke, Opacity meter	Self-Explanatory	1	Nos.	12.50	ETL
18	MEXA Upgrade	Self-Explanatory	2	Nos.	60.00	ETL
19	Dyno-Motor up to 20000rpm	Self-Explanatory	1	Nos.	30.00	ETL
20	Temperature Sensor RTD	Self-Explanatory	20	Nos.	0.40	ETL
21	Pressure Transducer	Multiple ranges 0.5 to 10 bar	20	Nos.	4.00	ETL
22	Temperature Sensor TC	Self-Explanatory	20	Nos.	0.70	ETL
23	Wire Braided Flexible pipe	Self-Explanatory	3	Nos.	0.60	ETL
24	Additional FEMs	Self-Explanatory	1	Nos.	25.00	ETL
25	INCA software License & hardware	Self-Explanatory	1	Nos.	3.33	ETL
26	Combustion analysis system (Indicom)	Self-Explanatory	1	Nos.	60.00	ETL

27	Toughbook	Self-Explanatory	1	Nos.	2.50	ETL
28	Test Bed upgrade for BS7	Self-Explanatory	2	Nos.	2000.00	ETL
29	Humidity sensor	Self-Explanatory	2	Nos.	2.50	ETL
30	RF Antennas - Log Periodic, Biconical, Horn, Hybrid	Self explanatory	4	Nos.	190.00	EMC
31	Data Acquisition System	Capability Enhancement 60 Ch. Data acquisition system suitable with siemens software	1	Nos	80.00	NVH
32	Infotainment System validation equipment	New Facility Telecom NVH testing of cell phones, headphones and other electronics devices	1	Nos	100.00	NVH
33	Updated Software Suite	Capability Enhancement Modal Testing, EV Testing	1	Nos	70.00	NVH
34	Accelerometers	Replacement of faulty sensors 100 mv/g and 10 mv/g	10	Nos	10.00	NVH
35	Microphones	Replacement of faulty sensors Free field, Random incidence and pressure field	10	Nos	13.00	NVH
36	Wifi Devices / Access point	Self - Explanatory	50		8.00	IT
37	Network Switch	Self - Explanatory	30		20.00	IT
38	CCTV	Self - Explanatory	250		20.00	IT
39	Server Rack	Self - Explanatory	4		3.00	IT
40	ERP	Self - Explanatory	1		32.00	IT
41	Desktop as per new staff requirement	Self -Explanatory	As per Requirement		As per Requirement	I&C
42	Stationary Consumables	Self -Explanatory	As per Requirement		As per Requirement	I&C
43	Digitization and automation for the Report Preparation	Turnkey	1	Nos.	50.00	VTL
44	FTIR	Self - Explanatory	2	Nos.	310.00	VTL

45	Upgradation of Emission system for EURO VII for VTC-1	Self - Explanatory	1	Nos.	320.00	VTL
46	Upgradation of Emission system for EURO VII for NVTC-1	Self - Explanatory	1	Nos.	320.00	VTL
47	Upgradation of Emission system for EURO VII for NVTC-2	Self - Explanatory	1	Nos.	320.00	VTL
48	Vehicle handling trolley	Self - Explanatory	1	Nos.	35.00	VTL
49	Workshop area for Vehcile Preapartion along with 2 post lifter and Required tools for Worshop	Self - Explanatory	1	Nos.	40.00	VTL
50	Pneumatic and Electrical Gun	Self - Explanatory	1	Nos.	0.50	VTL
51	Altitude Simulation for Electrial Vehicle testing	Self - Explanatory	1	Nos.	4.00	VTL
52	Brake Emission Testing (Brake Inertia Dyno+ Brake Particle Measurment System)	Turnkey	1	Nos.	1300.00	VTL
53	PEMS Upgrdation for EURO VII	Self - Explanatory	4	Nos.	150.00	VTL
54	Upgradation of Lighting System to LED	Turnkey	1	Nos.	100.0	PSL
55	Deformable Crash Barriers (Frontal Impact)	Self explanatory	60	Nos.	100.0	PSL
56	Deformable Crash Barriers (Side Impact)	Self explanatory	40	Nos.	120.0	PSL
57	Crash dummy	Self explanatory	1	Nos.	1,200.0	PSL
58	Data Acquisition System (96 channel)	Self explanatory	1	Nos.	500.0	PSL
59	Crash Dummy spares	Self explanatory	1	Lumsum	200.0	PSL
60	Crash sensors & instrumentation (Load cells, pressure sensors, voltage sensors, current sensors, potentiometers, optical sensors, temperature sensors, torque sensors etc.)	Self explanatory	1	Lumsum	70.0	PSL
61	Trigger (Tape) switches	Self explanatory	100	m.	6.0	PSL
62	Flex-PLI spares	Self explanatory	1	Lumsum	30	PSL

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