

Information regarding public procurement plans for next 5 years

Name of the Organisation : Automotive Research Association of India, Pune

Website Link : www.araiindia.com

Ministry / Department : DHI

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

Financial Year 2020-21

Sr. No.	Description of Item	Broad Specification Parameters	Qty	Accounting Unit (Nos/ Tonne...)	Estimated Value of Procurement INR (Lakhs)
1	Reference Humidity sensor+Indicator	Self - Explanatory	1	Nos.	5.00
2	Bench top Humidity chamber OR Portable Generator	Self - Explanatory	1	Nos.	30.00
3	Electrical calibrator calibration Set Up	Self - Explanatory	1	Nos.	70.00
4	Frequency couneter 6GHz	Self - Explanatory	1	Nos.	20.00
5	Chassis dynamometer	Turnkey	1	Nos.	100.00
6	Radiated Immunity High Field Strength & ESD Test System	Self - Explanatory	1	Nos.	160.00
7	High Performance Temperature & Humidity Test Chambers	Self - Explanatory	1	Nos.	75.00
8	Hydraulic service manifolds, substations,accumulators, dist	Turnkey	1	Nos.	100.00
9	Hydraulic Controllers	Turnkey	1	Nos.	150.00
10	Shaker and Chamber Upgradation	Turnkey	1	Nos.	50.00
11	Upgradation of material test equipments	Turnkey	1	Nos.	30.00
12	Forging Research Lab upgradation	Turnkey	1	Nos.	25.00
13	Digitization and automation	Turnkey	1	Nos.	50.00
14	V BOX, sensors, DAQ systems,sensors for electric vehicle, de	Turnkey	1	Nos.	50.00
15	Actuators for fatigue testing of varoius capacites and perfor	Turnkey	1	Nos.	30.00
16	Upgradation of the 2 corner 6 DOF system	Turnkey	1	Nos.	200.00
17	Rotating Bending Fatigue tester	Self - Explanatory	1	Nos.	15.00
18	Servo Hydraulic actuators, Substation, distribution block, se	Self - Explanatory	1	Nos.	125.00
19	Load cell, DAQ system, sensors	Self - Explanatory	1	Nos.	50.00
20	A frame , stiff backs and fixtures for ROPS	Turnkey	1	Nos.	25.00
21	Fracture mechanics set up	Turnkey	1	Nos.	15.00
22	HW and SW upgrade to enhance acquisition and processing	Self - Explanatory	1	Nos.	75.00
23	Procurement of precision sensors	Self - Explanatory	1	Nos.	65.00
24	DAQ 16 CH	16 CH	1	Nos.	25.00
25	Hammers -1000 lbf, shakers - 50 lbf (2nos), power supply, A	Self - Explanatory	1	Nos.	85.00
26	Battery emulator	Self - Explanatory	1	Nos.	150.00
27	Procurement of adaptive gearbox	Self - Explanatory	1	Nos.	50.00
28	Reverberation chamber test suit	Turnkey	1	Nos.	100.00

29	Gas Chromatograph with FID&PID detector	Self - Explanatory	1	Nos.	40.00
30	High Performance Liquid Chromatograph (HPLC) UV&RI	Self - Explanatory	1	Nos.	25.00
31	Wiring harness test equipment	Self - Explanatory	1	Nos.	6.00
32	Particulate extraction system (pressure soxhlet)	Self - Explanatory	1	Nos.	20.00
33	Gas cell for FTIR	Self - Explanatory	1	Nos.	5.00
34	PC/ Software upgradation	Self - Explanatory	1	Nos.	10.00
35	Explosion proof oven	Self - Explanatory	1	Nos.	30.00
36	Gas Chromatograph-Mass Spectrometer (GC-MS) with ATD	Self - Explanatory	1	Nos.	65.00
37	Particle size analyser	Self - Explanatory	1	Nos.	10.00
38	Spot extractors	Self - Explanatory	1	Nos.	8.00
39	Lab Furniture	Self - Explanatory	1	Nos.	10.00
40	Workstation	Self - Explanatory	1	Nos.	10.00
41	Data analysis software	Engineering Design software	2	Nos.	45.00
42	Engineering Design software - BSR simulation model	Self - Explanatory	1	Nos.	6.00
43	Procurement of storage bins and pallets	Self - Explanatory	1	Nos.	10.00
44	Establishment of centralised heavy duty rack with (Ground +	Self - Explanatory	1	Nos.	20.00
45	Procurement of PCs - 4 Nos. (in existing Stores)	PC	4	Nos.	2.00
46	Photocopier	Self - Explanatory	1	Nos.	2.00
47	Procurement of gas cylinders	Self - Explanatory	1	Nos.	25.00
48	Procurement of old used container -40 Feet Qty-2Nos.	40 ft	2	Nos.	3.00
49	Establishment system CSP management ,tracking and mon	Self - Explanatory	1	Nos.	15.00
50	Asset-on line tracking & management system	Self - Explanatory	1	Nos.	20.00
51	Establishment system for online tracking and monitoring fo	Turnkey	1	Nos.	5.00
52	Establishment of ramp for unloading /loading of vehicles	Self - Explanatory	1	Nos.	5.00
53	Establishment of battery storage facility	Self - Explanatory	1	Nos.	12.00
54	Steering Torque and Angle Measurement System	Self - Explanatory	1	Nos.	40.00
55	Steering Robot : Omni Controller	Self - Explanatory	1	Nos.	25.00
56	Steering Robot: Activate Switch, Bank of 8 isolated thermoc	Self - Explanatory	1	Nos.	25.00
57	Weighing Pad 8 T (2T individual pad X 4 pads)	8 TON	1	Nos.	10.00
58	PC replacement for Existing emission system	Self - Explanatory	1	Nos.	20.00
59	Power control dyno drive	Self - Explanatory	1	Nos.	120.00

60	Opacimeter	Self - Explanatory	1	Nos.	35.00
61	Weighing Scale (60kg) with 1 g accuracy)	60Kg with 1 g accuracy	1	Nos.	35.00
62	Blow by meter(0-150/300lpm)	0-150/300lpm	1	Nos.	40.00
63	Workstation	Self - Explanatory	1	Nos.	5.00
64	Engg. Design software	Self - Explanatory	1	Nos.	10.00
65	CAE software	Self - Explanatory	1	Nos.	1.50
66	Oven for DPF cleaning	Self - Explanatory	1	Nos.	15.00
67	Fuel pressure regulator	Self - Explanatory	1	Nos.	30.00
68	Dehumidifier/humidifier for air flow calibration rig	Turnkey	1	Nos.	10.00
69	Signal generator and oscilloscope	Self - Explanatory	1	Nos.	10.00
70	Office refurbishment and chairs	Self - Explanatory	1	Nos.	70.00
71	Ventilation system	Turnkey	1	Nos.	25.00
72	Fork lift	Self - Explanatory	1	Nos.	20.00
73	Vehicle handling trolley	Self - Explanatory	1	Nos.	30.00
74	Fire handling system for VTB	Turnkey	1	Nos.	15.00
75	Storage system for tested and untested Dash board, Bumpers	Turnkey	1	Nos.	10.00
76	Mobile Vehicle Lift	Self - Explanatory	1	Nos.	5.00
77	LED Lighting for High speed videography	Self - Explanatory	1	Nos.	20.00
78	Flex Pli Spares	Self - Explanatory	1	Nos.	25.00
79	Fall Sealing for Pedestrian Lab	Self - Explanatory	1	Nos.	25.00
80	On-board Cameras	Self - Explanatory	1	Nos.	25.00
81	Triaxial load cell for Steering testing	Self - Explanatory	1	Nos.	20.00
82	Thickness measuring device	Self - Explanatory	1	Nos.	1.00
83	Body block	Self - Explanatory	1	Nos.	20.00
84	CMM for Pedestrian Lab	Self - Explanatory	1	Nos.	20.00
85	Airbag gas collection unit	Turnkey	1	Nos.	10.00
86	EV CRASH RELATED INFRASTRUCTURE SPACE ALLOCATION	Turnkey	1	Nos.	50.00
87	Replacement of existing light fixture with LED light fittings	Turnkey	1	Nos.	5.00
88	Construction of Security Building at Main Gate, ARAI Kothrud	Turnkey	1	Nos.	19.00
89	Industrial shed required at Pendulum area	Turnkey	1	Nos.	13.00
90	Fire Hydrant system	Turnkey	1	Nos.	14.00
91	Replacement of existing light fixture with LED light fittings	Turnkey	1	Nos.	5.00
92	Replacement of server room precision air-conditioning system	Self - Explanatory	1	Nos.	8.00
93	Replacement of Precision Air-conditioning of Dummy Calibrator	Turnkey	1	Nos.	20.00
94	Supply Installation Testing Commissioning of 0.51 MW Solar	0.51MW	1	Nos.	130.00
95	Office Furniture	Self - Explanatory	1	Nos.	15.00
96	Replacement of existing ductable air conditioning of Computer Lab	Turnkey	1	Nos.	25.00
97	Fire sprinkler system	Turnkey	1	Nos.	30.00
98	Solar Power Roof top systems at Various Buildings	0.05MW	1	Nos.	19.00
99	Water cooler and filters system for above building	Self - Explanatory	1	Nos.	3.00

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Financial Year 2021-22

Sr. No.	Description of Item	Broad Specification Parameters	Qty	Accounting Unit (Nos/ Tonne...)	Estimated Value of Procurement INR (Lakhs)
1	HPS -pumps, servo-hydraulic actuator	Turnkey	1	Nos.	50.00
2	Powertrain design/analysis software	Self - Explanatory	1	Nos.	60.00
3	Standard Platinum Resistance Thermomter	Pt-25	1	Nos.	8.00
4	EMI/ EMC instruments -NWA/Oscilloscope	Self - Explanatory	1	Nos.	50.00
5	PLU or flow meter for PLU calibration setup	Self - Explanatory	1	Nos.	15.00
6	Energy meter calibration set up	Self - Explanatory	1	Nos.	40.00
7	Humidifier and dehumifiers	Self - Explanatory	1	Nos.	10.00
8	Tabs with MS office for onsite calibration	Tabs	1	Nos.	10.00
9	Voltage Drop Simulator	Self - Explanatory	1	Nos.	40.00
10	PV Cells Validation	Self - Explanatory	1	Nos.	50.00
11	RL Simulator	Self - Explanatory	1	Nos.	25.00
12	Data Acquisition system, sensors and systems,vehicle prepa	Self - Explanatory	1	Nos.	75.00
13	Procurement of Laboratory simulation related softwares	Turnkey	1	Nos.	100.00
14	higher capacity actuators and load cells	Self - Explanatory	1	Nos.	100.00
15	WFT upgradation, calibration , twin type WFT , WFT with int	Turnkey	1	Nos.	50.00
16	Environmental camera and high Frame rate cameras	Self - Explanatory	1	Nos.	15.00
17	Environmental test facilities	Self - Explanatory	1	Nos.	35.00
18	Support vehicle (SUV category)	SUV	1	Nos.	20.00
19	Polymer, rubbers and composite test facilities	Turnkey	1	Nos.	30.00
20	Accelerated UV tester	Self - Explanatory	1	Nos.	25.00
21	Procurement of precision sensors	Self - Explanatory	1	Nos.	100.00
22	License of SEA with pass by noise	Self - Explanatory	1	Nos.	120.00
23	HVAC silencer test facility	Self - Explanatory	1	Nos.	50.00
24	Carbon Analyser	Self - Explanatory	1	Nos.	85.00
25	Microwave Muffle Furnace	Self - Explanatory	1	Nos.	10.00
26	Coolant rigs	Self - Explanatory	1	Nos.	12.00
27	Computing systems for AQ modeling	Self - Explanatory	1	Nos.	15.00

28	Kinematic viscometer	Self - Explanatory	1	Nos.	45.00
29	Flammability testing lab	Turnkey	1	Nos.	15.00
30	Workstation	Self - Explanatory	1	Nos.	10.00
31	Hyperworks	Software CAD/CAE	1	Nos.	25.00
32	Engg. Design software	Software CAD/CAE	1	Nos.	25.00
33	Barcode Scanner and Printer for Asset Verification	Self - Explanatory	1	Nos.	3.00
34	Machine learning Software	Software - Self explainaatory	1	Nos.	30.00
35	Particulate measurement system	Turnkey	1	Nos.	100.00
36	PC for emission system	Self - Explanatory	1	Nos.	40.00
37	Particle number measurement system	Self - Explanatory	1	Nos.	90.00
38	Workstation	Self - Explanatory	1	Nos.	15.00
39	High speed data acquisition system- 8 Channels	8 channel	1	Nos.	80.00
40	Air flow calibration rig master equipment	Turnkey	1	Nos.	50.00
41	Fuel conditioning system	Turnkey	1	Nos.	30.00
42	Coolant conditioing system	Turnkey	1	Nos.	30.00
43	Gas Handling system	Turnkey	1	Nos.	100.00
44	Tyre Flat track test machine	Self - Explanatory	1	Nos.	250.00
45	Centralised UPS systems at various Buildings	Self - Explanatory	1	Nos.	100.00
46	Procurement of Main LT Panels and RTPFC Panels	Self - Explanatory	1	Nos.	100.00
47	LED light fittings	Turnkey	1	Nos.	5.00
48	Electrical infrastructure for Air cooled chiller	200TR	1	Nos.	15.00
49	Workshop Shed	Turnkey	1	Nos.	5.00
50	Compressed Air line	Turnkey	1	Nos.	8.00
51	Solar Power Roof top systems at Various Buildings	0.51MW	1	Nos.	130.00

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Financial Year 2022-23

Sr. No.	Description of Item	Broad Specification Parameters	Qty	Accounting Unit (Nos/ Tonne...)	Estimated Value of Procurement INR (Lakhs)
1	Temperature calibrator	Amb to 1200C	1	Nos.	10.00
2	Oil bath	-100C to 50C	1	Nos.	15.00
3	Sound level meter Calibration setup	Self - Explanatory	1	Nos.	50.00
4	Standard Resistor for mili and micro ohm meter calibration	Self - Explanatory	1	Nos.	50.00
5	Vibration Shaker	3000kgf	1	Nos.	40.00
6	servohydraulic controllers	Self - Explanatory	1	Nos.	150.00
7	Workstations	PC	1	Nos.	20.00
8	HPS -pumps, servo-hydraulic actuator, ball valves,servo valve	Turnkey	1	Nos.	75.00
9	Data acquisition system, telemetry system,sensors	Self - Explanatory	1	Nos.	50.00
10	High strain rate testing	Self - Explanatory	1	Nos.	100.00
11	Noise Enclosure for ED Shaker	Turnkey	1	Nos.	45.00
12	Procurement of precision sensors	Self - Explanatory	1	Nos.	125.00
13	Temperature Humidity Chamber/ Ovens	Self - Explanatory	1	Nos.	30.00
14	Analytical Balance	Self - Explanatory	1	Nos.	10.00
15	updated Libraries for FTIR and GC MS	Self - Explanatory	1	Nos.	20.00
16	Analytical Balance with temperature and humidity control cell	Self - Explanatory	1	Nos.	25.00
17	Potentiostat/ Galvanostat	Self - Explanatory	1	Nos.	40.00
18	Lab Furniture	Self - Explanatory	1	Nos.	25.00
19	3D Scanner	Self - Explanatory	1	Nos.	40.00
20	Workstation	PC	1	Nos.	10.00
21	Fatigue simulation software	Software	1	Nos.	30.00
22	Photocopier	Self - Explanatory	1	Nos.	2.00

23	Weighing Balance	500Kg	1	Nos.	0.25
24	Flux Electric Motor (Flame Proof) for Fuel Pumping	Self - Explanatory	1	Nos.	5.00
25	Fuel Flow Meter	Self - Explanatory	1	Nos.	30.00
26	GPS based Data Acquisition System	Self - Explanatory	1	Nos.	30.00
27	PC for emission system	PC	1	Nos.	20.00
28	Conditioning air system	1500kg/hr	1	Nos.	200.00
29	Particle number measurement system	Turnkey	1	Nos.	80.00
30	Micro soot sensor	Self - Explanatory	1	Nos.	80.00
31	Air flow meters	Self - Explanatory	1	Nos.	75.00
32	CNG flow meter	Self - Explanatory	1	Nos.	20.00
33	Blow by meter	0-150/300lpm	1	Nos.	40.00
34	Worksations	Self - Explanatory	1	Nos.	20.00
35	LED light fittings	Turnkey	1	Nos.	5.00
36	Air washer	Self - Explanatory	1	Nos.	20.00
37	Lightening Arrestors and Earting systems	Self - Explanatory	1	Nos.	15.00
38	Rain Water Harvesting	Turnkey	1	Nos.	6.00
39	Vermiculture Pits	Turnkey	1	Nos.	6.00
40	Compressed Air line	Turnkey	1	Nos.	9.00
41	Replacement of existng light fixture with LED light fittings	Turnkey	1	Nos.	35.00
42	Converting Existing HT Normal Feeder to HT Express Feeder	Turnkey	1	Nos.	25.00
43	Solar Park in Amenity spac	0.5 MW	1	Nos.	200.00
44	Scrap yard and CSP storage	Turnkey	1	Nos.	150.00

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Financial Year 2023-24

Sr. No.	Description of Item	Broad Specification Parameters	Qty	Accounting Unit (Nos/ Tonne...)	Estimated Value of Procurement INR (Lakhs)
1	Fixed point cells with realising furnaces -38 to 660°C)	-38C to 660C	1	Nos.	90.00
2	Precision Electrical calibrator	Self - Explanatory	1	Nos.	70.00
3	Hammer calibration set up	Self - Explanatory	1	Nos.	20.00
4	CT calibration set up	Self - Explanatory	1	Nos.	50.00
5	Fire and smoke system	Turnkey	1	Nos.	30.00
6	Fibre optic Gyro, actuator LVDTs, sensors, load cells, laser s	Self - Explanatory	1	Nos.	60.00
7	HPS -pumps, servo-hydraulic actuator, ball valves,servo valv	Self - Explanatory	1	Nos.	75.00
8	Bush elastomer characterisation	Self - Explanatory	1	Nos.	75.00
9	Electrodynamics shaker	Self - Explanatory	1	Nos.	100.00
10	Precision sensors	Self - Explanatory	1	Nos.	125.00
11	Analytical Balance	Self - Explanatory	1	Nos.	15.00
12	Workstation	PC	1	Nos.	10.00
13	Lsdyna additional CPU license	Software	1	Nos.	20.00
14	modeling and analysis software upgradation	Software	1	Nos.	30.00
15	Forklift	5TON	1	Nos.	12.00
16	Exterior Pass By Noise Measurement System	Self - Explanatory	1	Nos.	175.00
17	Hand Force Meter	Self - Explanatory	1	Nos.	3.00
18	High speed data acquisition system- 8 Channels	8 Channel	1	Nos.	40.00
19	Coolant conditioing system	Self - Explanatory	1	Nos.	15.00
20	Fuel conditioing system	Self - Explanatory	1	Nos.	15.00
21	Fuel pressure regulator	Self - Explanatory	1	Nos.	20.00
22	Replacement of existing light fixture with LED light fittings	Turnkey	1	Nos.	5.00
23	Ring Main systems i.e parallel and reductancy availability fo	Turnkey	1	Nos.	200.00
24	Occupancy sensor based lighting systems at office areas	Turnkey	1	Nos.	50.00
25	Compressed Air line	Turnkey	1	Nos.	9.00

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Financial Year 2024-25

Sr. No.	Description of Item	Broad Specification Parameters	Qty	Accounting Unit (Nos/ Tonne...)	Estimated Value of Procurement INR (Lakhs)
1	Sound level meter Calibration setup	Self - Explanatory	1	Nos.	90.00
2	Environmetal chamber Mapping system	Self - Explanatory	1	Nos.	30.00
3	Pressure controller -1 to 25 bar with absolute reference	1 to 25 Bar	1	Nos.	30.00
4	Precision Electrical calibrator	Self - Explanatory	1	Nos.	70.00
5	EMC Chamber Calibration	Self - Explanatory	1	Nos.	50.00
6	Lux meter calibration set up	Self - Explanatory	1	Nos.	25.00
7	Standard Resistor For Mili and Micro ohm Meter calibration	Self - Explanatory	1	Nos.	50.00
8	Fire and smoke system installation	Turnkey	1	Nos.	30.00
9	EMC equipment	Self - Explanatory	1	Nos.	100.00
10	Hydraulic pumps and panel	Self - Explanatory	1	Nos.	150.00
11	Controller replacement	Self - Explanatory	1	Nos.	100.00
12	Upgradation of metallographic equipments (microscope etc)	Turnkey	1	Nos.	50.00
13	Steering robo	Self - Explanatory	1	Nos.	200.00
14	TMA	Self - Explanatory	1	Nos.	70.00
15	Rheometers	Self - Explanatory	1	Nos.	60.00
16	Gas Chromatograph-Mass Specrometer (GC-MS) with Pyroly	Self - Explanatory	1	Nos.	70.00
17	Workstation	PC	1	Nos.	10.00
18	Engg. Design Software	Software	1	Nos.	30.00
19	Optimization software	Software	1	Nos.	30.00
20	Steering Torque and Angle Measurement System,	Self - Explanatory	1	Nos.	40.00
21	Fuel Flow Meter	Self - Explanatory	1	Nos.	30.00
22	GPS based Data Acquisition System	Self - Explanatory	1	Nos.	30.00
23	Particulate measurement system	Turnkey	1	Nos.	100.00
24	Particle number measurement system	Turnkey	1	Nos.	80.00
25	High speed data acquistion system- 8 Channels	8 channel	1	Nos.	40.00
26	Crank Angle encoder with accessories	Self - Explanatory	1	Nos.	20.00
27	Air flow meters	Self - Explanatory	1	Nos.	50.00
28	PEMS	Self - Explanatory	1	Nos.	175.00
29	Conditioning air system for testcell	Self - Explanatory	1	Nos.	350.00
30	Water flow meter	Self - Explanatory	1	Nos.	10.00
31	Test cell console Refurbishment	Self - Explanatory	1	Nos.	70.00

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