

**NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY,  
GREATER NOIDA, U.P.**

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**STANDARD BIDDING DOCUMENT FOR PURCHASE OF EQUIPMENT UNDER AICTE-IDEA  
LAB IN NIET, GREATER NOIDA**

**Part 1: Complete Bidding Document**

Name of work: purchase of equipment under AICTE-IDEA Lab in NOIDA INSTITUTE OF  
ENGINEERING AND TECHNOLOGY, Greater Noida

**PRESS NOTICE**

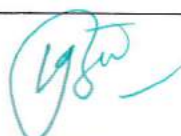
Notice for Inviting E-tender/Quotations through e-mail idealab@niet.co.in	
Name of work	Purchase of equipment under AICTE-IDEA Lab in NIET, Greater Noida
Tender Docs Fee + E Service fees (non-refundable)	Not Applicable
Earnest Money	Not Applicable
<b><u>Tenders to be mailed till: 5:00PM on dated 30.11.2021</u></b>	
The tenders will be received only through E-tendering/Quotations through e-mail idealab@niet.co.in for further details visit website www.niet.co.in	

For & on behalf of NIET, Greater Noida

  
(Dr Vinod M. Kapse)  
Chief Mentor IDEA Lab.

Director  
Noida Institute of Engineering & Technology  
19, Knowledge Park-II, Greater Noida-201308

List of items to be procured for IDEA Lab		Qty
1	3D Metal Printer (Preferably Atomic diffusion additive manufacturing (ADAM) based)	1
2	Belt and Disc Sanding Machine	1
3	Bench Grinding Machine	1
4	Benchtop Grinder Machine	1
5	Benchtop Multimeter	1
6	CNC Router	1
7	Cordless Drilling Machines	2
8	Desoldering M/c	1
9	Digital Microscope	1
10	Digital Storage Oscilloscope	1
11	Drilling M/c 1 HP Motor	1
12	GPIO Power Router	1
13	Handheld High Speed Drilling M/c-15000 RPM with accessories b	2
14	Hot Air Blower With Soldering Iron b	5
15	Jigsaw Machines	2
16	Laser Cutter	1
17	Magnifying Glass with Stand	2
18	Manual PCB Drilling Machine	3
19	Mini Desktop Lathe cum Milling	1
20	Mini HackSaw (5 Nos.)	5
21	Mixed Signal Oscilloscope	1

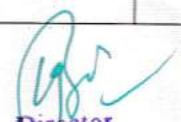


22	PCB power Drilling Machine (3 Nos.)	3
23	Power Circular Saw (2 Nos.)	2
24	Power Return Measuring Tape (5 Nos.)	5
25	Scroll Saw Machine (1 No.)	1
26	Signal/ Function Generator	1
27	Solder stations (5 nos)	5
28	Tin Cutter with Spring (10 units)	10
29	Tool Wall covering Perforator (3 pcs)	3
30	Variable Power Supply	10
31	Vinyl Cutter	1
32	12 Piece Open ended Spanner Set (2 Sets)	2
33	Allen Key Set (3 Sets)	3
34	Allen Set Wrench(5 set)	5
35	Anvil	2
36	Arduino UNO boards ( 10 sets including USB A to B cable+ male –male connecting wires+ female to female connecting wires+ male –female connecting wires)	10
37	Baby Vice 60 mm (5 pcs)	5
38	Ball Peen Hammer (5 Nos.)	5
39	BeagleBone AI for Artificial Intelligence based applications (5 sets)	5
40	BeagleBone -Black-Wireless 5 sets)	5
41	Bench vices (5 units)	5
42	C-Clamp (10 pcs)	10
43	Coil Winding M/c motorized	1

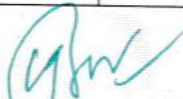


44	Cutting Mats (5 Nos.)	5
45	DC Regulated Power Supply ( 3 units)	3
46	Digital Multimeter (5 units)	5
47	Digital Vernier Caliper (5 Nos.)	5
48	Double ended spanner sets (2 Sets)	2
49	Dremel Cordless Rotary Tool	1
50	Dremel Moto Saw	1
51	Dremel multi tool kit (2 Nos.)	2
52	ESP32 CAM Development Board WiFi+Bluetooth with OV2640 Camera Module (5 sets)	5
53	Filament Dehydrator	1
54	File Handles (1 Set)	1
55	Files Set ( 2 Sets)	2
56	Fish Tape (2 pcs)	2
57	Flashlights (2 pcs)	2
58	Glue Gun-5 Nos	5
59	Granite Surface plate (630 X 630 X 80 mm grade "O")	1
60	Hacksaw (5 Nos.)	5
61	HAM Radio transceiver, antenna and related equipment	1
62	Hot Air Gun- 5 Nos.	5
63	Impact Drill (3 Units)	3
64	Measuring Equipment [Vernier calliper (0-200/0.01), Vernier height gauge (0-1000mm), Micrometer 0-50, 50-100/0.001 inside and outside)], Metal Scale etc	
65	Micro Chisel Set (3 Nos.)	3

66	Micrometer - 5 Nos	5
67	Needle Files (2 Sets)	2
68	NodeMCU (ESP8266) boards (10 sets ( 10 sets including USB A to B cable+ male –male connecting wires+ female to female connecting wires+ male –female connecting wires)	
69	Non-contact voltage tester (5 pcs)	5
70	Nylon Mallet (5 Pcs)	5
71	Oscilloscope (4 units)	4
72	Peripheral sets for Arduino/ NodeMCU/ Raspberry Pi (10 sets)	
73	Pipe Vice (2 Pcs)	2
74	Pliers (3 Sets)	
75	Raspberry Pi 4 boards (05 sets including HDMI – mini HDMI connector, Memory card of 8 GB, adaptor, casing)	5
76	Ratchet Set 2	2
77	Relevant Softwares (Academic Licenses)	
78	Router Bit Starter kit	1
79	Rubber Mallet (5 Pcs)	5
80	Screwdriver Sets (2 sets)	2
81	Scroll Saw	1
82	Sensor set including sensors for Home/ Industry/ Agriculture Automation, Medical diagnosis	
83	Solder Wick	10
84	Solnoi Electronics Raspberry Pi 3 Camera Module Night Vision	5
85	Spirit Level	5
86	Stainless Steel Rule	5
87	Steel Shaft Claw Hammer	5

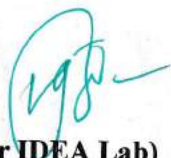


88	Tri Square 8" (5 Nos.)	5
89	Wire Stripper (5 pcs)	5
90	Advanced, motorized Sewing Machine	1
91	Air Compressor	1
92	Centrifugal Blower	1
93	Clothes Iron (5 units)	
94	Computer Workstation in networking- 5 Nos	5
95	Electric Bicycle Motor & Accessories	1
96	Electronic Component Repository (LCR Meter, Variac etc)	
97	Fire Extinguisher	2
98	First Aid Box	2
99	Glass Cutter	2
100	Gypsum (10kg)	
101	Heavy Duty Laser Printer	1
102	Normal and Microwave Oven	1
103	Plotter -Printer	1
104	Projector	1
105	Quadcopter assembly kit	5
106	Ratchet clamp 8 inches/200mm (10 pcs)	10
107	Reflow Oven	1
108	Refrigerator	1
109	Sewing Machine	1

  
Director



110	Smart Board	1
111	Tongue and Groove Pliers (5 pcs)	5
112	Vacuum Cleaner (2 Nos. )	2
113	GPIO Modules (Ethernet Controlled relay, Bluetooth controlled relay, Wi-fi controlled relay 8 channel)	5
114	Relay modules (Ethernet Controlled relay, Bluetooth controlled relay, Wi-fi controlled relay 8 channel)	5
115	PCB Prototyping Machine with accessories	1
116	SMT Pick and Place with accessories	1
117	Stencil Printing machine	1



(Chief Mentor IDEA Lab)

**Director**  
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