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राष्ट्रीय प्रौद्योगिकी संस्थान - आंध्रप्रदेश
NATIONAL INSTITUTE OF TECHNOLOGY ANDHRA PRADESH
Near National Highway No. 16, Kadakatla, Tadepalligudem – 534101
West Godavari District, Andhra Pradesh

Ref. No.: NITANP/SMMD/TENDER/2024-25/37 **Date**: 20.08.2024

TENDER ENQUIRY

Sub: Supply of Consumable Components for Electrical Engineering labs- Quotation invited –Regd.

Please send your lowest quotation for the above item as per the details attached in **Annexure-1**. The quotation is to be sent in a sealed envelope to the following address:

C/o Tender Box
Material Management & Disposal Section,
Sardar Vallabhbhai Patel Administrative Building
NATIONAL INSTITUTE OF TECHNOLOGY, ANDHRA PRADESH,
Near National Highway No. 16, Kadakatla,
TADEPALLIGUDEM – 534101
West Godavari District, Andhra Pradesh.

The quotation has to be sent by Post (Ordinary / Register / Speed Post) or drop in Tender Box physically. (Any other mode will not be accepted)

The envelope must be superscribed as "**QUOTATION**" at the center of the envelope and the above **reference number at left top** along with the name of the tender on the envelope. Quotations without the above superscription **will not be accepted**.

The last date to receive the sealed quotation is **10.09.2024**

Annexure-1

Category- II			
S. No.	**Name of goods & specifications**	**Brand**	**Qty**
1.	All-in-One 108 Pieces Hand Tool Kit (Blue, Hard case)	Bosch/IBELL/ equivalent brand	2
2.	Standard Screwdriver Set (Green & Black) - 38 Pieces	Bosch/ Novo /equivalent brand	5
3.	KM-9V Steel Metric Hex Allen Key Set (Black Finish, Box Packing, Pack of 9) & 10-Piece Allen Key Set with Brown Finish (AKI-10)	TAPARIA /EASTMAN/ equivalent brand	5
4.	GSB 500W 10 RE Professional Corded-Electric Drill Tool Kit, MS & Plastic (Blue, Set of 100 Tools), 1 - 10 mm Chuck Capacity	Bosch/ IBELL/ equivalent brand	1
5.	Spanner Set Socket Set Wrench Set Tools Set Hand Tools Bike Tool Kit Set Socket Wrench Set Spanner Set All Size Tool Kit Goti Pana Set - Box	-	2
6.	6 SQ.MM COPPER HEAVY DUTY LUGS HOLE-8.4	-	200
7.	25H Chain for Ebike Motor MY1016 & MY6812	-	5
8.	25H SPROCKET 55T FOR E BIKE	-	3
9.	12V/24V E-Bike Twist Throttle Grip Accelerator		2
10.	6 INCH WHEELS WITH HUB AND 2 BARINGS 6202 HEAVY DUTY, TUBE 6 TO 10 INCH	-	4
11.	32 IN 1 Interchangeable Multi-Purpose Screw Driver Set	-	20
12.	6 IN 1 PC Screw Driver Kit with Multi-Purpose Tool L-Set	-	5
13.	10 kinds of stainless-steel screws machine small size set with box	-	2
14.	3 in 1 Portable Vacuum Cleaner Duster Blower Air Pump Wireless Handheld Clean Microscopic dust		2
15.	Professional GWS 600 Angle Grinder - 670W, 100mm, M10 (Blue), Multipurpose	-	2
16.	AG4 Metal 4-inch Cut Off Wheel Set (White, Pack of 10)	-	10
17.	Palm Split Leather Black/Yellow Glove Wear Cut and Tear Resistant Heavy Duty Industrial Cotton Comfort Fit For Machine Handling Movers Welding Works	-	2

18.	Special Nylon Auto Darkening Welding Helmet Black Colour	-	2
19.	200-89 IGBT 160-250V Inverter Arc Compact Welding Machine with Electrode holder and 1 Year Warranty		1
20.	HGACC39M1 6013 (3.15 MM) 30Pcs High Potassium Coating ARC Welding Electrode Rod Welding Rod (Pack of 30)	-	20
21.	2000W Heavy Duty Hot Air Gun With Dual Temperature Settings & Four Nozzles for Crafts, Shrinking, Wrapping, Tubing, Multi	-	2
22.	Industrial Grade Hand Tools Pipe Wrenches – 14"	-	2
23.	46Pcs 1/4 Inch Drive Box End Socket Set,Metric Ratchet Wrench Set With 4-14Mm Cr-V Sockets,S2 Bits,Extension Bars,Mechanic Tool Kits For Household Auto Repair (Black), Chrome Vanadium Steel	-	1
24.	8-piece Matte Finish Chrome Vanadium Steel Double Open-End Spanner Set with Maxi-Drive System, Anti-Slip & Anti-Corrosion properties, GREY		2
25.	Cordless 21v Drill Multi-Function Drill - 20 Stage Torque Screwdriver - 2 speed control - Key-less Drill Chuck - 2pcs 21V-Max Li-Ion 2Ah Batteries (Without Hammer)	-	1
26.	122 in1 Screwdriver Set of Screw Driver Bit Set Multi-Function Precision Mobile Phone Repair Device Hand Tools Torx Hex Grey	-	1
27.	Epi-Torque; The Epic Torque #Doityourself Metric M5 Stainless Alloy Steel 202 Grade Full Threaded Hex Bolts Nuts and Washer Assortment Kit Set with Storage Box Pack of 480 Pcs	-	1
28.	Epi-Torque 80Sets/160Pcs M5 M6 Cage Nuts and Screws Set, Square Hole Hardware Cage Nuts & Mounting Screws Washers for Server Rack and Cabinet (M5 x 16mm, M5 x 20mm, M6 x 16mm, M6 x 20mm)	-	1
29.	84-214-22 5.25" 130 mm Wire Stripper Ideal for Cutting, Stripping Speaker Wires & Appliance Cords for Home, DIY & Professional Use, YELLOW & BLACK		5
30.	Sanding Paper/Emery Paper/Sandpaper (Brown, Grit-80 4-100 4-120 4 Pieces) Pack of 12	-	10
31.	1405 Side Cutting Mini Plier	-	5
32.	150b Wire Stripper & Cutter	-	5
33.	40 Watt Hot Melt Glue Gun with 5 Pieces Glue Sticks Free	-	5
34.	OSS T12D Plus Soldering Iron Station		5
35.	Desoldering Pump, Solder Sucker - Desoldering Vacuum Pump Solder Remover	-	5
36.	Soldering Lead: 1Kg	-	3

37.	Soldering Iron Kit with 5 Different Soldering Tips, 80W/220V 200-500°C Temperature Adjustable Soldering Iron with LCD Digital Display Welding Tool Fast Heating Solder Iron	-	25
38.	SS304 Rustproof Stainless Steel Threaded Rod M4 4mm OD 600mm (0.6 mtr) Long for 3D Printer CNC Robotics Machines DIY Projects	-	20
39.	M6 nut 1mm Pitch 6mm T Nut Brass round Flange Single Nut for 3D Printer CNC Robotics		20
40.	608-2RS-Double Shielded Miniature Ball Bearing, for 3D Printers, Robotics, DIY Projects Pack of 20 Pcs	-	50
41.	6x8mm Motor Jaw Shaft Coupler Aluminum 6mm to 8mm Rigid Self Centering Coupling for 3D Printer Z Axis Nema 17 Stepper Motor DIY	-	4
42.	3D INNOVATIONS Build Surface for Creality Ender 3/ Ender 3 Pro, 3D Printer Heat Bed Platform Sticker Sheet 300*300mm (Pack of 1)	-	4
43.	Multipurpose 9inch Glue Sticks 11mm for Hot Melt Glue Gun, No Stringing Adhesive Gluesticks for Arts, Crafts, Garment, Electronics Repairing & Home Use (Pack of 20)	-	5
44.	2V Spot Welding Machine DIY Portable Battery Energy Storage PCB Circuit Board Welding Device Welding Equipment for 18650/26650 / 32650 Lithium Battery		1
45.	Component Organiser with Drawers (ACO60) Small Parts Storage| Jewellery | Pharmacy | Shop | Medicine | Nuts |Screws | Bolts | DIY | Clinic | Multiple Drawers-60 Drawers	-	5
46.	Tool Box/High Grade Metal Tool Box for Tools Kit/Tool Kit Box for Home and Garage/5 Compartments (Brown & Ivory)	-	2
47.	52-in-1 Tiger Wrench Tools Socket Works with Spline Bolts Torx 360 Degree 6-Point Universal Furniture Car Repair Hand Tool	-	2

Category- II

S. No.	Name of goods & specifications	Brand	Qty
1.	Kit4Curious Acrylic 6 Wheel Drive Curious Chassis for DIY Robotics (Black)	-	5
2.	DC motors (Single Shaft 300RPM BO Motor with Wheels (2pcs)+frame+caster wheel+nut bolt)	-	10
3.	Robodo M119 12 Volt 100 Watt MY6812 Electric Motor with Sprocket	-	5
4.	R365 DC PUMP (R365) with Pipe	-	10
5.	12v dc gear, geared motor 300 rpm with clamp for robotics	-	15
6.	TowerPro MG996R Digital High Torque Servo Motor (360° Rotation)	-	50

7.	SG90 Micro Digital Servo Motor 9G	-	50
8.	4WD Double Layer Smart Car Chasis Kit	-	20
9.	MY1016 24V 250W DC Motor High Speeds Small Brush Motor For ebike e-bike	-	3
10.	Brushed Controller, E-Bike Brush Controller 24V 250W Brush Motor Controller Electric Bike Brush Controller for Electric Bicycle E-Bike Tricycle	-	3
11.	SNA Throttle 24v 36v 48v 60v 72v Electric Scooter ebike Throttle Get high standard 3 Speed	-	5
12.	1.8V 3V 5V 6V 12V 2A Low Voltage DC Motor Speed Controller PWM 1803BK Adjustable Driver Switch Motor Speed Regulator	-	5
13.	N20 MOTOR 3.7V-6V 100 Rpm Micro Metal Gear motor for RC Car Robot Toys DIY	-	10
14.	Johnson Motor High Torque DC (12V 10RPM - Grade A)	-	5
15.	24v 250watts HUB Motor Electric Cycle Brushless Motor Electric	-	2
16.	DC Motor 3-6V, High-Speed, for RC Toys, DIY Projects and RC Cars (Pack of 10)	-	9
17.	High Speed Small DC Motor	-	10
18.	Melody's 2pcs 90 mm x 20 mm Plastic Robotic Wheel for DC Geared Motor RC Car Robot	-	50
19.	Stepper Motor NEMA 23 28 kg-cm Hybrid Bipolar	-	2
20.	Nema 17A 4Kg-cm Bipolar Stepper Motor for CNC Robotics DIY Projects 3D Printer	-	30

Category- III

S. No.	Name of goods & specifications	Brand	Qty
1.	ESP32 38Pin Development Board WiFi+Bluetooth Ultra-Low Power Consumption Dual Core with power cable	-	51
2.	Arduino Uno R3 (ATmega328.) with power cable	-	10
3.	Motor Driver Module (L298N 2A)	-	10
4.	STM32F407G-DISC1 - Discovery kit with STM32F407VG MCU Development Board	-	9
5.	PCB board (5*7)	-	15
6.	15mm GL20528 Light Sensitive Photoresistor LDR	-	50
7.	PIR Motion Sensor Detector Module HC-SR501	-	5
8.	IR Infrared Sensor Module Reflective Photoelectric Light Intensity DIY Kit for Arduino UNO	-	5

9.	Ultra Sonic Sensor-HC SR04	-	20
10.	MAX232 IC	-	5
11.	DHT11 Digital Relative Humidity and Temperature Sensor Module	-	11
12.	MPU9250 9-Axis Gyro Accelerometer Module	-	10
13.	STM32F103C8T6 Minimum System Development Board STM32 ARM Core Module	-	5
14.	Mega 2560 ATmega2560-16U2 Board with USB Cable for Arduino	-	5
15.	Push Button SPST ON-OFF Switch	-	100
16.	Buffer IC CD4050	-	100
17.	4x4 Matrix Keypad Membrane Switch Arduino, Arm and Other MCU	-	5
18.	Super Debug Keychain RC522 RFID Card Sensor Module to Send S50 Fudan Cards	-	10
19.	125KHz RFID Card (Pack of 5)	-	10
20.	NODEMCU - ESP8266 Wifi Development Board with power cable	-	30
21.	5V Passive Buzzer(Pack of10 Pcs)	-	5
22.	0.56 inch Red 2 Digit 7 Segment LED Display CC 18pin-2Pcs.	-	10
23.	USB ASP AVR Programming Device for ATMEL processors	-	5
24.	ATmega8A U PDIP-28 Microcontroller	-	5
25.	LCD1602 Parallel LCD Display with IIC/I2C interface	-	25
26.	AC Voltage Sensor Module ZMPT101B (Single Phase)	-	10
27.	MO11 Acs712 30A Range Current Sensor Module	-	10
28.	HC-05 Bluetooth Module	-	15
29.	HCF4098BE IC	-	10
30.	Optocoupler 4 Channel 5V Relay Module Control for Arduino DSP AVR PIC Arm	-	10
31.	Nucleo-F401RE STM32	-	3
32.	5V 2Ch 2 Channel Relay Module Ttl Arduno Compatible PIC Arm AVR	-	15
33.	STM 32F401 RE nucleon board	-	5
34.	LM 35 Temperature Sensor	-	5

35.	VIRIMA Robotic Arm with 5 Degree of Freedom 3D printed plastic Parts with Nuts and Bolts	-	2
36.	R&D L293D Motor Driver Shield 4-Channel DC Motor Controlle	-	10
37.	CNC Shield V3 DRV8825 A4988 Expansion Board For Engraving Machine 3D Printer	-	10
38.	6V 60mA Mini Power Solar Cells for Solar Panels, DIY Projects (80 X 40MM)	-	100
39.	Electronic Spices All Bright Color 5mm Led Light (Light Emitting Diode) White, Green, Red, Yellow, Blue 4Pcs Each Color Pack Of 20, Prong Base	-	50
40.	REES52 CNC Digital Microstep driver DM542 Stepper Motor Controller 2-phase Digital Stepper Motor Driver 20-50V DC Max 4.2A for Nema 17, Nema 23 and Nema 34 series stepper motor, Replace M542 M542H	-	3
41.	ESP32 CAM Development Board WiFi+Bluetooth with OV2640 Camera Module	-	10
42.	Raspberry Pi 5MP Camera Board	-	5
43.	Double BTS7960 43A H-Bridge High-Power Stepper Motor Driver Module	-	5
44.	MQ 135 Air Quality/Gas Detector Sensor Module For Arduino	-	10
45.	37 in 1 Sensor Kit compatible with Arduno, Ultimate Sensor Module kit for UNO R3, MEGA, NANO boards, Sensor kit for DIY projects, Robotics Science Project	-	2
46.	Robodo SEN5 Rain Drop Sensor Module, Arduno, ARM and Other MCU	-	5
47.	BMP180 Digital Barometric Pressure Sensor Board Module	-	5
48.	Soil Moisture Meter Testing Humidity Sensor, Water-Sensor, Soil-Hygrometer Detection Module for Arduino	-	5
49.	ADC0804LCN PDIP-20 Analog to Digital Converter-ADC	-	5
50.	R&D 2.4GHz NRF24L01+PA+LNA SMA Wireless Transceiver Antenna	-	5
51.	5V DC Brushless Cooling Fan XH2.54 2Pin Sleeve bearing 5500rpm - 40mm x 40mm x 10mm Ventilation Cooling Fan (suitable for VGA, CPU)	-	5
52.	8 Pin IC Base	-	50
53.	PAM8610 Audio Stereo Amplifier Board 2X10W Dual Channel D Class	-	10
54.	Electronic Spices Full Range Audio Speaker 2 inch 53 mm 8 ohm 3 W Loudspeaker for Stetron 2pcs	-	20
55.	5 Volt 2 Amp Power Adapter takes an AC INPUT of 100-240V	-	10

56.	SIM900A GSM GPRS Module with RS232 Interface and SMA Antenna	-	2
57.	Infrared IR Wireless Remote Control Module Kit for Arduino	-	5
58.	ATMEGA64A - AU Microcontroller - (SMD TQFP Package) - 8-Bit 64 Pin 64KB Flash Microcontroller	-	5
59.	5V 2A Wireless Power Supply Transmitter Receiver Charging Coil Module	-	10
60.	Ultrasonic Transmitter and Receiver Pair - 40Khz Transducer	-	50
61.	Piezoelectric Sensor Transducer 35mm Dia	-	50
62.	Jumper Wires(M-M,M-F,F-F) 40 pcs	-	1000
63.	Single Core Wire Bundle, 90 m, 0.5 sqmm	-	10
64.	banana plug to jumper male	-	50
65.	Three HP6100 100 MHz Oscilloscope Probe with BNC to Minigrabber Test Lead Accessories Kit with set	-	20
66.	4mm Banana pins 16A (Red,Yellow,Blue) Male	-	100
67.	2mm Male banana pins (Red,Yellow,Blue)	-	100
68.	Banana pins 16A (Red,Yellow,Blue)	-	100
69.	microSD UHS-I Card 32GB, 120MB/s R	-	9
70.	Arduino Due AT91SAM3X8E ARM Cortex-M3 compatible Board	-	2
71.	Raspberry Pi Pico	-	10

Category -IV

S. No.	Name of goods & specifications	Brand	Qty
1.	LRSA 24V 8AH Lithium Ion Battery for Electric Bike	-	2
2.	Lithium Ion Battery(5V-7V) - 2200mah	-	10
3.	Lithium Ion Battery(11V) - 3300mah	-	5
4.	3.7v 1200 mAH Lithium-Ion Li Ion Cell Batteries Original Power Rechargeable Lithium Ion Cell	-	550
5.	ROBUKART-B3 Lithium Polymer (LiPo) Battery Charger for 2S-3S Lippo	-	5
6.	1-8S Lippo Li-ion Fe Battery Voltage 2IN1 Tester Low Voltage Buzzer Alarm	-	5
7.	Smarts Lithium-ion Battery Charger 10-Slot for 3.7V Li-ion 18650 Multi charger for 16340 14500 18650 18500 (RCR123) Batteries	-	5

8.	1.1V 550mAh 80/160C 3S Lipo Battery XT30 Plug for Eachine Lizard95 FPV Racer	-	2
9.	9 Volt Hi-Watt HW Long Life Zinc Carbon Battery,Hi-Watt	-	50
10.	1.5V Alkaline AA Batteries	-	40
11.	GVC 24Volt 7.5AH Electric Cycle Lithium-ion use for Electric Bicycle, Model Boats and Some RVs with Elaborate Solar Systems	-	1
12.	5 Volt 2 Amp Power Adapter takes an AC INPUT of 100-240V	-	10
13.	JAIVIK STORE 3Series Lithium Battery Capacity Indicator Module Lead-Acid Ni-MH 11.1V 12V 12.6V 4 Sections Blue LED Display Electric Vehicle Battery Power Tester Li-po Li-ion	-	10
14.	LM75-SMPS (5V TO 24 V)	-	5
15.	3 Series 40A 18650 Lithium Battery Protection Board 11.1V 12.6V with Balance for Drill Motor Lipo Cell Module	-	27
16.	PVC Heat Shrink Sleeve for Lithium Cell Battery Pack (In Meters)	-	25
17.	iMax B6 Digital LiPo Battery Charger	-	5
18.	mars Lithium Battery Charger 10-Slot for 3.7V Li-ion 18650 Multicharger for 16340 14500 18650 18500 Batteries	-	2
19.	1S 3.7V BMS 2A 3.7V - 4.2V 1 Cell 18650 Lithium Battery Charging Protection Board Battery Management System Module	-	100
20.	Electronic Spices 2S 4A 3.7V 18650 Li-ion Lithium battery protection and charger BMS module JH886044 Pack of 1pcs (2S 4A 3.7V BMS)	-	100
21.	Electronic spices BMS 18650 Lithium Battery Protection Board	-	50
22.	4S 10A 32700 Lithium Battery for 12v Protection Board Lithium-Ion Battery Protection and Charger BMS Module (Pack of 1)	-	20
23.	AXY 32650 Nickel Strip H-Type Thick-0.15 Width 46mm Nickel Plated 2P for Spot Welding and Battery Pack Making. (1 Meter)	-	100
24.	Electronic Spices PACK OF 100 18650 battery holder spacers for cell cylindrical li-ion 18650 battery	-	10
25.	AXY 32700 Nickel Strip Single-Type Thick 0.15 Width 10mm Nickel Plated for Battery Pack Making (4 Meter)	-	50
26.	amici Tools 5000W Mini Spot Welder Machine, Portable Spot-Welding DIY Kit for 18650/21650 Battery Pack Welding, 0.15MM nickle Strip Spot Welder with Foot Switch	-	2

Category -V			
S. No.	**Name of goods & specifications**	**Brand**	**Qty**
1.	Resistors: 100 OHM, 1W	-	500
2.	Resistors: 220 OHM, 1W	-	500
3.	Resistors: 1 KOHM, 1W	-	500
4.	Resistors: 10 KOHM, 1W	-	500
5.	Resistors: 100 KOHM, 1W	-	500
6.	Resistors: 470 KOHM, 1W	-	500
7.	Resistors: 15 KOHM, 1W	-	500
8.	Resistors: 2.4 KOHM, 1W	-	500
9.	Resistors(0.5W) - 0.4.7,10,47,150,100,150,270,330,470,1k,2.2k,3.3k,4.7k,5.6k,6.8k,10k, 22k,33k,47k,56k,68k,100k,150k,220k,330k,470k,560k,680k,1M, 2.2,27,39,75,180,390,820,1.2k,1.5k,2.7k,8.2k,12k,15k,18k,27k,39k,82 k,120k,100k,270k,390k,360k (each 100, 1/4 watt=51*500=25500)	-	25500
10.	Capacitors (12V to 60V)- 0.22uF,0.33uF,0.47uF,0.68uF,1uF,33uF,2.2uF,3.3uF,4.7uF,330uF, 470uF (each 30, electrolytic capacitors below 50V range=11*500=5500)	-	5500
11.	DIP IC Socket Adaptor IC Chip Socket Base 6, 8, 14, 16, 18, 20, 24w, 28w, 28n, 40 Pins 10-Types 10-Pieces	-	10
12.	Inductor Assorted Kit 12-Values 24-Pieces	-	10
13.	Power Transistor Kit All Type NPN and PNP Darlington Transistor TIP122 TIP127 BD139 BD140 4Types 16Pieces BOX	-	5
14.	Variable Resistor Tripot Kit 1K, 4K7, 10K, 100K, 1M ohm 3 pin Potentiometer Trimpot Trimmer Assorted Box Packed 25 Pieces	-	2
15.	Thermistor Assorted Kit 3-Values 9-Pieces	-	1
16.	Crystal Oscillator Kit MHz Assorted XTAL 10Value 50Pieces	-	2
17.	6X8mm DIP Power Inductor: 1uH, 10uH, 50uH,4.7uH, 100uH, 47uH, 60uH, 300uH	-	20
18.	2 pin plugs (16A)	-	10
19.	3 pin plugs (16A)	-	10
20.	1.5 Sq. mm Polycab Industrial cable	-	3

21.	66-137 2-in-1 12V Digital Detection Tester & Screwdriver with LCD Display for Home, DIY & Professional Use Ideal for Carpentry, Mechanical, Electrical & Plumbing Tasks	-	5
22.	LCR-Digital Capacitance/LCR Meter	-	2
23.	MCB Single Pole MCB TRIPER SP/DP "C CURVE (20A)	-	5
24.	Digital Multimeter With Stand, Battery Powered	-	6
25.	3 Pin Multi Plug Socket, Type D Multiple Plug Socket, 2 in 1 Plug Extension Socket	-	12
26.	10A Fast Blow Glass Fuse 250V, 6x30mm	-	100
27.	Pot Resistors 0 to 10K,2A, 6x30mm	-	100
28.	Glass Fuse: 250V,0.5A, 6x30mm	-	20
29.	Glass Fuse:250V,1A, 6x30mm	-	20
30.	Glass Fuse:250V,3A, 6x30mm	-	20
31.	Glass Fuse:250V,5A, 6x30mm	-	20
32.	4 Sq. mm Polycab Industrial cable	-	4
33.	6 Ampere 240V 1-Way Switch	-	20
34.	Polycarbonate 240V 6&16A 3 In One Switch Socket Combined With Junction Box (White)	-	20
35.	9W Led Bulb	-	10
36.	PVC Electrical Insulation Tape	-	30
37.	Multimeter Cord Probe Set Test Cable Pair for Universal Digital Multi Meter Detector Lead Wire Probes Sharp Lead Needle Set (Black, Red) (Pack of 1)	-	18
38.	Rhesostats wire wound 570 ohm/above 2A	-	2
39.	Rhesostats wire wound 100 ohm/10A	-	2
40.	1008 Trms Digital Clamp Meter	-	3
41.	2 INPUT AND GATE: 7408LS	-	200
42.	2 INPUT NOT GATE: 7404LS	-	200
43.	2 INPUT OR GATE: 7432LS	-	200
44.	2 INPUT NAND GATE: 7400LS	-	200
45.	2 INPUT NOR GATE: 7402LS	-	200
46.	2 INPUT EX OR GATE: 7486LS	-	200

47.	3 INPUT NAND GATE: 7410LS	-	200
48.	10K ohm Potentiometer, Single Variable Resistor (Round)	-	20
49.	Timer: IC 555	-	30
50.	Op Amps: LM741	-	30
51.	CD4027 Dual JK Flip Flop IC DIP-16	-	10
52.	Solderless Breadboard 840 Tie Points Self Adhesive PCB Bread board for DIY Projects	-	50
53.	16 Pin IC Base	-	30
54.	TL082C JFET	-	100
55.	104AEC Capacitor	-	100

Category -VI

S. No.	Name of goods & specifications	Brand	Qty
1.	Propellers (Orange HD Propellers 1045(10X4.5) ABS Black 1CW+1CCW-1pair)	-	55
2.	T Plug connectors (Embedded kart 10 Pairs Red Ultra T Plug Connectors Deans Style For RC LiPo Battery Male and Female + (20 Pack) Shrink Tubing)	-	25
3.	esc (SimonK 30A BLDC ESC Electronic Speed Controller with Connectors)	-	52
4.	Gps module (gps module neo -8m)	-	12
5.	Transmitter and Receiver (Flysky FS-i6X 2.4GHz 6CH AFHDS 2A RC Transmitter With FS-iA10B 2.4GHz 10CH Receive)	-	11
6.	1400 KV BLDC Brushless DC Motor with Soldered Connector for Drone Motor Control Electronic Hobby Kit	-	70
7.	APM 2.8 Flight Controller with Built-in Compass	-	10
8.	Pixhawk 2.4.8 Drone Flight Controller PX4 32 Bit Autopilot Flight Control Board	-	11
9.	GPS Module (GY-NEO6MV2 XM37-1612 GPS Module)	-	10
10.	F450 4-Axis Multi-Rotor Quadcopter Frame Airframe Kit with Integrated PCB Wiring Red Black Arms for HJ450 Toy Drones UAV DIY	-	6
11.	Neo-6M GPS Module with EPROM	-	4

12.	FPV Camera Mini Drone - UAV Assembly Remote Control Aircraft Making Flight Control Parts Accessories Set (including Battery)	-	2
13.	DC1804 Receiver	-	3
14.	RH INDIA DC 3.7V 720 7x20mm Micro Coreless Motor High-Speed Mini Drones (4 Motors) Set	-	6
15.	40mm Propeller Set	-	5
16.	Neo-6M GPS Module Aircraft Flight Controller	-	5

Category-VII

S. No.	Name of goods & specifications	Brand	Qty
1	Dua IGBT Dc-Dc Driver(+- 10a)	-	20
2	Dual SIC Driver Adapter Board	-	20
3	Acm080p120q 37amp 1200 Volt Sic Mosfet	-	40
4	Acm030ls065q Sic Mosfet 92a 650volt	-	40
5	Acd40qd120a 40a 1200 Volt Silicon Carbide Schottky Diode	-	40
6	MOSFET Irfp250n	-	25
7	MOSFET Irfp540n	-	25
8	Thyristor Tyn616	-	25
9	Triac Bta41-600 V -40a	-	25
10	20 X30 CM UNIVERSAL SINGLE-SIDED PCB PROTOTYPE BOARD	-	10
11	20 X15 CM UNIVERSAL SINGLE -SIDED PCB PROTOTYPE BOARD	-	10
12	20 X30 CM UNIVERSAL SINGLE-SIDED PCB PROTOTYPE BOARD	-	10
13	Heat Sink Screw Packet	-	5
14	HEAT SINK SCREW PACKET (HEAD M3 X 15Mm Bolt)	-	5
15	Resistor (10 Ohm, 100 Watt)	-	6
16	Resistor (22 Ohm, 500 Watt)	-	5
17	Capacitor (100uf, 450v)	-	15
18	2 Pin Ports(5.08mm)	-	100
19	3 Pin Ports (5.08mm)	-	100
20	Soldering Wire	-	35
21	Varistor (43 V Clamping)	-	10
22	Varistor (600 V Clamping)	-	10
23	Smps(5v, 10a)	-	3

24	Smps(12v, 10a)	-	3
25	Smps(48v, 10a)	-	3
26	Isolation Transformer	-	10
27	T0 247 Heatsink 126*70*50mm	-	20

Note:

- **The bidder may participate in one or more categories mentioned in Annexure-I. However, all the items under the respective category must be quoted in the bid.**
- **The Partially quoted categories will be considered as invalid. Hence the bid shall be treated unresponsive, if all the categories are considered as invalid.**
- **The total of each category of all valid bids shall be compared. The lowest bidder who stands at L1 for each category will be awarded purchase order to respective category**

While sending your lowest quotation – please specify the following:

1. Sales Tax : Inclusive
   GST : Indicate prevailing tax on percentage basis.
2. Excise Duty :
3. Rates
   a) F.O.R. Destination/
   b) Estimated Packing, Forwarding and Freight Charges in case of Ex-works only, may be mentioned on percentage basis.
4. Insurance : Inclusive/ indicate on percentage basis, in case payable by the Institute.
5. Preferred terms of payment (institute rules permit to pay on Receipt of materials in good condition/completion of the work):
6. Recommended mode of transport :
7. Discount offered, if any :
8. Validity of the offer :
9. Firm schedule of completion of work :
10. Detailed drawings / catalogues / Leaflets / literature / samples may be furnished wherever feasible / required
11. Please indicate clearly whether the rates quoted herein are the same as applicable to DGS & D / Government Department / Other Public Sector Undertakings.
12. The supplier shall invariably furnish the **Certificate of Clearance of GST Registration number along with the quotations.**
13. The quotation should not contain any handwritten text except the price quoted.
14. All the Submitted documents must be duly signed by the bidder along with the firm's seal.
15. Please mention the Quotation number and name of the item/s (in brief) on your envelope when submitting your quotation to the Institute
16. Please note that the Director reserves the right to modify or alter the specifications and also to reject any or all the Quotations without assigning any reasons thereto.
17. The suppliers / firms are informed not to call on us without prior appointment.
18. The Institute is not responsible for delays / loss in postal transit or due to any other reasons.
19. Any Violation in the terms and conditions, the bidder will be made ineligible for the contract.

National Institute of Technology राष्ट्रीय प्रौद्योगिकी संस्थान आंध्रप्रदेश Andhra Pradesh

Yours faithfully,

20/3/24

Head of the Department
सह अधिष्ठाता / Associate Dean
CENTRAL STORES & PURCHASE SECTION
NIT Andhra Pradesh