

Date: 01/05/2024

A D PATEL INSTITUTE OF TECHNOLOGY (ADIT)
New Vallabh Vidhyanagar,
Post Box:-52, Vitthal Udyognagar-388121Dist:-Anand(Gujarat) India
Phone: 02692-233680, www.adit.ac.in

INVITATION FOR OPEN QUOTATION

Date: 01/05/2024

Sealed quotations are invited by the undersigned for the purchase of Following Items under a GUJCOST-Project.

Sr No	Item Name	Specification and brief description	Quantity
1	Mecanum wheel	80mm-A Mecanum Wheel Compatible with 6.7mm Coupling (Pack of 4) Colour: Black Weight: 44g (each) Inner diameter: 3.3mm Outer wheel diameter: 60mm Thickness: 37 mm Captive Screw Diam	4
2	Omni wheel	80mm- OmniWheel Compatible with 6.7mm Coupling (Pack of 4) Colour: Black Weight: 44g (each) Inner diameter: 3.3mm Outer wheel diameter: 60mm Thickness: 37 mm Captive Screw Diam	6
3	Planetary Gear DC Motor	Model: PG36M555-19.2K Operating Voltage: 12V DC Rated Torque: 45 N-cm Rated Speed: 262 RPM Rated Current: 1.92 A Rated Power: 22.93W Gear Ratio: 19.2 : 1	6
4	Battery Charger	Brand Name : ELEKTRON Model No : C1/96 Type of Product : Battery Charger Weight : 6 kg Voltage : 230 V Power Source : Battery Powered	2
5	Lithium Ion Battery	LG INR21700 M50LT 5000mAh (1c) LI-ION BATTERY	8
6	AC to DC Power Converter	24V 30A AC to DC Converter	1
7	DC to DC Power Converter	LM2596 Module , XL4015 Module with Display	3
8	Ultrasonic Range Finders	HC-SR04 Ultrasonic Sensor Modules ,	1
9	LiDAR Sensor	RPLIDAR A1M8-R6 - 360 Degree Laser Scanner Development Kit	2
10	Laser Sensor	DFRobot SEN0590: Compact Laser Distance Sensor (4m Range, I2C, IP67 Rated)	1

11	Indoor Localization sensor	--	1
12	Gas Sensor	All type gas sensor compitible with esp32 for measuring gas level in patient ward	1
Sr No	Item Name	Specification and brief description	Quantity
13	Compass	GY-273 module based on the Honeywell HMC5883LIC for low-field magnetic sensing with a digital interface	1
14	Current and Voltage Sensors	The 7Semi INA219 Breakout is a compact and easy-to-use sensor that accurately measures voltage, current, and power consumption over I2C.	1
15	Vibration Sensors	--	1
16	Linear Actuators	Linear Actuator Stroke Length 300MM,7mm/S,1500N,12V Operating Voltage: 12 V Self Locking Force: 1500N Working temperature: -20°C to +63°C Aluminium frame and extension tube Compact Design Built in Limit Switch Low Noise Moisture-proof Surface	8
17	Rhino Planetary	Rhino Planetart stepper motor driver Step Angle: 1.8° Holding Torque: 12 kg-cm Supply Current (A): 0.67 Winding Type: Bipolar No. of Leads: 4	8
18	Servo	Ultra Torque Quarter Scale 40kgcm Metal Gear Servo Motor Operating voltage: 6 V to 8.4 V Durable Metal Gear Dual Ball Bearing Programmable Digital Amplifier with Mosft Drive Bottom Side Axial Mount Hole Less Noise Gear Type: All Metal Gears Stable and shock proof double ball bearing design Operating Angle: 180 degree	8
19	UVC Light Chamber	Ultraviolet Tube 10W 2-Pack, Electric Bug Zapper, Mosquito Insect Killer, Home Pest Control UV Light Tube Electronic Lamp, Replacement UV T8 Lamp Bulb Light Tube for 20 Watt Bug Zapper Insect Killer	1
20	Material for Automatic Storage and Retrieval (ASAR)	As per design requirements	1
21	Lead Screw 12MM	200mm Trapezoidal Single Start Lead Screw 8mm Thread 2mm Pitch Lead Screw with Copper Nut	25
22	FDM 3D Printer 300MM*300MM	3D Printer bed size = 300x300 mm height= 400mm	1
23	Anycubic Photon Mono X 6Ks Resin 3D Printer	Anycubic Photon Mono X 6Ks Resin 3D Printer with 9.1 6K Mono Screen LCD SLA Resin Printer	1
24	PLA + Filament	PLA+ Filament Brand eSUN Different Color	30

eSUN			
Sr No	Item Name	Specification and brief description	Quantity
25	Anycubic standard 3D Printer Resin	--	15
26	Welding Machine	290A Orange Inverter Welding Machine, MMA-290	1
27	Nvidia Jetson Nano Development Kit	NVIDIA Jetson Nano Developer Kit (4GB)	3
28	Enhanced Cytron 40Amp DC	Enhanced Cytron 40Amp DC Motor Driver (Peak 80amp) MDS40B Bi-directional control for a single brushed DC motor. Support motor from 10V to 45V. Maximum current up to 80A peak, reduce to 40A gradually according to temperature. 16 KHz switching frequency for quiet operation. NO Reverse polarity protection. Protection of overvoltage.	6
29	Arduino Mega	Arduino Mega newest version compatible with cp2102 version	3
30	GoPro Camera	Go pro camera with USB output compatible with raspberry pi and Nano Jetson driver	2
31	NodeMCU - CP2102	--	10
32	Logitech Camera	Logitech camera with USB output compatible with raspberry pi and Nano Jetson driver	2
33	OLED Graphic Display	Graphic display for showing real time operating of ROS and development	6
34	WIMEXIT LED Display	LED Display for robot fronthead and communication	2
35	Specialized Hardware Tools	PCB Shouldering machine Cutter Machine Grinder Machine Hot Glue Gun (Above tools as per project requirement)	1

We look forward to receiving your quotation for the above items. Last date of receipt of sealed quotations is 18/05/2024 before 05:00 PM.

The Sealed quotations are to be submitted/ delivered at the address mentioned below:

To, The Principal, A. D. Patel Institute of Technology, New Vallabh Vidyanagar, Post Box:-52, Vitthal Udyognagar- 388121 Dist:-Anand (Gujarat) India. (Title: Quotations for Items under GUJCOST project)

The right of rejection of one or all quotations without giving any reason is reserved by the Institute.

PRINCIPAL

FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: _____

To:

Sr. No.	Item Description	Quantity (a)	Unit Price (b)	Unit Price (Inclusive of GST) (c)	Total Amount (d)=(a)x(c)
1					
2					
3					
	Total				

I/We have read, understood and accepted the terms and conditions of the tender referenced ADIT/IT/GUJCOST/2023-24.

(Authorized Signature
with Rubber Stamp)

(Name of the
Authorized Person)

(Name & Address of
the Firm)

(Contact Numbers)