



**GOVERNMENT COLLEGE OF ENGINEERING  
CHHATRAPATI SAMBHAJINAGAR**

(An Autonomous Institute of Govt. of Maharashtra)

Railway Station Road, Osmanpura, Chhatrapati Sambhajinagar.

“In Pursuit of Technical Excellence”

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No. GECSS/Robocon /2023-24/668

Date 127 FEB 2024

To,

Notice Board/ Website

**Subject :- Quotations for Robocon Electronics Components**

Dear Sir, you are requested to send your competitive quotations for the supply of the following items subject to the following conditions.

**Terms & Conditions -**

1. Rates quoted should be FOR CHHATRAPATI SAMBHAJINAGAR or free delivery at the Institute inclusive of all lead and Lift.
2. Detailed specifications of the articles you intend to supply should be given. If not according to the specification, laid down here under.
3. The material should be supplied within (15) days from the date of order. List of material is given below.
4. The earliest delivery period should be quoted if you cannot supply within the period mentioned above.

Quotation should be in sealed cover and superscripted as **“Quotations for Robocon Electronics Components”**

Due on : 05 - 03 -2024, at 5 P.M.

5. Quotation should be valid for 31/03/2024
6. Right to reject any or all quotations are reserved with the under signed.
7. Rates quoted must be inclusive of All applicable Taxes.
8. No advance shall be paid and No part payment shall be made.
9. Detail Specification including make of material should be mentioned in Quotation. If the quoted Item/Peripheral is available with you in different brands/makes, the taxes should be mentioned separately brand wise/specification wise. If the Make/Brand/Manufacturer name is not mentioned in the quotation will be rejected without giving any information to the supplier.
10. Manufacturer/Authorization/Distributorship Certificate from manufacturer is compulsory.
11. Quotation not complying with the above conditions and incomplete once will not be considered.
12. The supplier has to provide warranty certificate for 3 days without charge, against manufacturing defects.
13. Supplier has to undertake repair replacement if any.

Sr. No.	Name of item with Description	Quantity
1	As per list attached Sr. No. 01 to Sr. No. 08	As per list

Faculty Advisor  
Robocon 2024

HOD  
Electronics & Tel. Comm. Engineering  
Govt. College of Eng. Chhat. Sambhajinagar

HOD  
Mechanical Engineering  
Govt. College of Eng Chhat. Sambhajinagar



SR.NO	NAME OF COMPONENT	DETAILS	QUANTITY
1	EasyMech 127mm Double Aluminium Omni Wheel (BEARING TYPE ROLLER)	Model: EasyMech127, Body Material: Aluminium, Diameter (mm): 127, Total Body Width (mm): 39, Load Capacity (Kg/Wheel): 30, Axial OD (mm): 22, Pitch Circle, Diameter (PCD) mm: 47.5, Number of Plates: 6, Number of, Rollers per Wheel: 22, Roller Type: Bearing, Roller Material: Nitrile Rubber, Roller Diameter (mm): 19 mm, Roller Width (mm): 18, Weight (g): 650 Color: silver	6
2	Waveshare LCD1602 I2C Display Module White color with blue background LCD	Lcd Controller: Aip31068, Operating Voltage: 3.3 ~ 5v, Operating Temperature: -20 ~ +70°C, Display Panel: Character Lcd, Display Size: 64.5 × 16.0mm, Characters: 16 × 2, Dimensions: 87.0 × 32.0 × 13.0mm, Weight: 34 gm	3
3	LCD2004 Parallel LCD Display with IIC/I2C Interface	Model: LCD2004, Interface: I2C, Interface Address: 0x27, Character Color: White, Backlight: Blue, Supply voltage: 5V, Dimensions(L x W x H) mm.: 98 x 60 x 14	4
4	Orange 12V 600 RPM Johnson Geared DC Motor – Grade A Quality- Encoder Compatible	Brand: Orange, Operating Voltage (VDC) : 6 ~ 18, Nominal Voltage (V): 12, Rated Base Motor RPM: 18000, Gear Ratio: 30 : 1, Gear Material: Metal, Rated Speed (RPM): 600, Rated Torque (N-cm): 15.1, Stall Torque (N-cm): 122, Rated Power (W): 10, No-Load Current (mA): 345, Load Current Max (mA): 1342, Input Power (W) : 16.35, Output Power(Watt): 8.292, Shaft Diameter (mm): 6, Shaft Length (mm): 30, Gearbox Diameter (mm) : 37, Motor Diameter(mm): 27, Motor Length (mm): 60, Operating Temperature (°C):-30 to 60, Weight (g): 154	8
5	Orange OG555 High Torque DC Motor 12V 500 RPM 45.8N-cm Encoder Compatible	Model No.: OG-555129000-20K, Recommended Voltage (DC): 12V, Input Voltage Range (DC): 6V to 15V, Rated RPM (at 12V): 450, Gear Reduction: 20K, Rated Torque (N-cm): 45.8, No- Load Current (A): 0.54, Full Load Current (A): 4.05, Shaft Diameter (mm): 6mm, Motor Body Diameter (mm): 37, Motor Body Length (mm): 94, Motor Shaft Length (mm): 27mm, Motor Shaft Type: D cut without hole, Back shaft for Encoder Available: Yes, Compatible Encoder Model: OE-37, Operating Temperature: -30°C to 60°C	2
6	Orange OG555 High Torque DC Motor 12V 1000RPM 34.3N-cm Encoder Compatible	Rated RPM (at 12V): 1000, Gear Reduction: 10K, Rated Torque (N-cm): 34.3, No- Load Current (A): 0.52, Full Load Current (A): 6.836, Shaft Diameter (mm): 6mm, Motor Body Diameter (mm): 37, Motor Body Length (mm): 94, Motor Shaft Length (mm): 27mm, Motor Shaft Type: D cut with hole, Back shaft for Encoder Available: Yes, Compatible Encoder Model: OE-37, Operating Temperature: -30°C to 60°C	2



7	TFMini Plus LiDAR Distance Sensor for Drones Robots IoT ITS Smart Detection (12m)	Supply voltage: 5V±0.5V; ≤110Ma, Power consumption: 550mW, Peak current: 500mA, Operating Range: 0.1m ~ 12m, Distance resolution: 5mm, Frame rate: 1-1000 Hz (adjustable), Ambient light immunity: 70klux, Operating temperature: -20°C ~ +60°C, Wire length: 30cm Communication port: UART, Length (mm):35, Width (mm): 18.5, Height (mm):21, Weight (g):20, FOV:3.6°	3
8	Advanced Auto-Calibrating Line Sensor LSA08	Operating Voltage (VDC):12 Refresh Rate(Hz): 200 Length (mm):134 Width (mm):45 Height (mm):18 Weight (g):45 Low current consumption (typically 26mA)	3

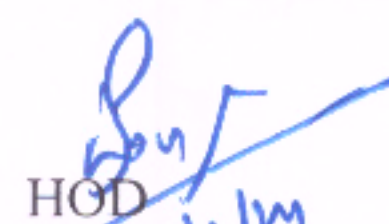
**NOTE:**

- 1) The Supplier must give Guarantee of the component, material, and it's Working.
- 2) The delivery of the Component we required as per mentioned specification.

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27/2/24



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