

Phone: (033) 2582 6680

Government of West Bengal  
KALYANI GOVERNMENT ENGINEERING COLLEGE  
KALYANI-741235, NADIA

Enquiry No. KGEC/2024/ 351/1

DATED: 12-04-2024

To  
All interested Suppliers  
Sub: Quotation for "IRoC-U 2024 ISRO student robotic competition."

Sir/ Madam,

Sealed quotations are invited from Dealers/Suppliers/Manufacturer for the following items as per details given below. The Quotations, addressed to the Principal, should reach the Office of Information Technology Department / Office latest by 22/04/2024 at 12.00 Hrs.

Sl. No	Name of Equipment	Specification	Quantity
01	Annexure – I	Annexure – I	Annexure – I

**TERMS & CONDITIONS:**

1. Quotations are to be submitted as per above format. All rates quoted should be inclusive of all taxes, levies & duties. The rates should be quoted both in figures and words. Request for inclusion of any tax/ levy at a later stage will not be entertained.
2. Dealers/Suppliers/Manufacturer have to submit copy of
  - i. Valid PAN issued by the IT department, Govt. of India
  - ii. Valid 15-digit Goods and services Taxpayer Identification Number (GSTIN) under GST Act, 2017
3. Transportation, packing, forwarding and insurance charges, if any, to be charged should be specifically indicated.
4. Dealers/Suppliers/Manufacturer are requested to meet with IT & ECE, Department for more clarifications(if needed)
5. Items supplied used should be as per Specification and of Approved Quality approved by Authorized Officer of the College.
6. Items are to be supplied/ delivered at the College Campus up to 2.00 P.M.
7. NO ADVANCE PAYMENT CAN BE MADE.
8. Items are to be supplied/ delivered within 15 days from the date of order.
9. Bills and Challans (for supply of items only) in Triplicate should be presented within 15 days of supply/ completion of Work.
10. The Order No. is to be noted on both Challan & Bill.
11. All bills are to be accompanied by one copy of Order and Original Challan Receipt.
12. Standard warranty for equipment should be for 1 year warranty from date of purchase.

*Sd/*  
AUTHORISED SIGNATORY  
(Principal)

Date: 12.04.2024

Enquiry No. KGEC/2024/ 351/1 (8)

Copy for necessary circulation please –


1. The Sub-Divisional Officer, Kalyani, Nadia
2. The Executive Officer, Kalyani Municipality, Kalyani, Nadia
3. The Station Manager, Kalyani Ghoshpara Station, Kalyani, Nadia
4. The Station Manager, Kalyani Main Station, Kalyani, Nadia
5. The Store-Keeper, Kalyani Govt. Engineering College, Kalyani, Nadia
7. The Registrar, KGEC – with a request for uploading in the college website
8. Notice Board of Department of Information Technology, KGEC

*Sd/*  
AUTHORISED SIGNATORY  
(Principal)

Dr. Sourabh Kumar Das  
Principal  
Kalyani Govt. Engineering College  
Kalyani- 741 235, Nadia, W.B.

### Annexure – I

Sl. No.	ITEM MODEL	SPECIFICATIONS	QUANTITY
1	Acrylic Sheets	18in x24in, 2mm metal thickness	4
2	Ball joint	5mm diameter	4
3	EasyMech Universal Bracket Motor Mount PGM45775	120mm x 60 mm x 2mm(L x W x h), motor mounting hole dia – 4mm	6
4	Planetary Geared DC Motor (18 RPM) PGM45775-264K	Rated speed:18 RPM, Rated torque: 882.9 N-cm, rated current: 4.8 A, 264 : 1 GR, 12V operating voltage, rated base motor RPM: 6000,	6
5	MPU 6050 Accelerometer and Gyro Sensor	3 Axis gyro and accelero sensor	1
6	57HS76-2804 NEMA23 Stepper Motor	18.9 kg-cm, 6.35mm shaft diameter, Step angle 1.8°	1
7	EasyMech NEMA23 Motor Coupling Hub	6.35mm internal diameter	1
8	TowerPro MG995 Metal Gear Servo Motor	Rotation angle: 180°, Metal Gear	2
9	MG90S 9g Metal Gear Servo Motor	Rotation angle: 180°, Metal Gear	1
10	Piezo Vibration Sensor – Large	30x13x1 mm	1
11	NEMA17 PR42HS40-1704 Stepper Motor	Step Angle : 1.8°, 7.2kg-cm, Round shaft	1
12	EasyMech NEMA17 Motor Coupling Hub	5mm internal diameter	1
13	Nema17 Stepper Motor Shock Absorber / Vibration Damper	51x51 (LxW) mm	1
14	DALY BMS 4S 12V 50A LiFePO4 3.2V Battery Protection Module	4S, 12V, 50A, lifepo4	2
15	XL4015 5A DC-DC Buck Converter	5A, High efficiency up to 96%	1
16	Double BTS7960 43A H-Bridge High-Power Stepper Motor Driver Module	43A, H-Bridge motor controller	3
17	PCA 9685 Stepper Motor Diver	16 Channel, 12 bit, I2C interface	1
18	DRV8825 Stepper Motor Driver	Continuous current per phase: 1.5 A.	2
19	DC 12V 8038 High Speed Cooling Fan	80X80X38 mm, 12V	2
20	NRF24L01 Transceiver module	2.4GHz, Operating range 1km	2
21	OE 775 Hall Effect Sensor	Hall effect sensor for orange planetary gear motor	6
22	NP TECH CAT 5E Ethernet Cable	0.5m, CAT 5E	1
23	Orange IFR 32650 LiFePO4 Battery Pack	12.8V 12000mAh 3C 4S2P LiFePO4	2
24	14 SWG (2 mm diameter) Copper Wire	14 SWG (2 mm diameter) 10 Meter	1
25	230pcs XH 2.54 2P 3P 4P 5Pin 2.54mm Pitch Terminal Kit Housing Pin Header JST Connector	230pcs XH 2.54 2P 3P 4P 5Pin 2.54mm Pitch	1
26	Astra Pro Realsense RGBD Depth Camera	Depth Range: 0.6-8 m	1
27	Ydlidar X4 360 Degree ROS Radar Scanner For Navigation, Path Planning, Collision Avoidance-10M	360 degree, 10M Range, 12Hz Motor Frequency, Ranging Frequency 5KHz	1

  
 Dr. Sourabh Kumar Das  
 Principal  
 Kalyani Govt. Engineering College  
 Kalyani- 741 235, Nadia. W.B.