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འབྲུག་རྒྱལ་ཁོལ་གསུལ་ལག་སློབ་ལྗོངས།
PARO COLLEGE OF EDUCATION, PARO: BHUTAN



PCE/ADM(11)/2022-2023/877

Date: 14th September, 2022

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Subject: Invitation to quote your rates for the Supply of STEM Equipment at Paro College of Education.

Dear Sir /Madam,

Kindly provide us your most reasonable rates for the Supply of STEM Equipment at Paro College of Education as per the BOQ attached, Subjected to the following terms and conditions.

Terms and Conditions:

1. The quoted rates must be submitted to the Procurement Section, Paro College of Education along with valid trade license and tax clearance certificate.
2. The quoted rates will be assessed based on their lowest quoted rates and market price.
3. The rate quoted should be inclusive of all taxes and delivery of the goods till Paro College of Education.
4. The last date of receiving the rate is in or before 12:00pm, on 19th September,2022 and will be assessed on the same day at 3:00pm.
5. The Selected bidders will be asked to complete the supply within 45 days from the date of supply order issued.

Yours sincerely,

(Lhakpa Dem)
Store In-charge
Procurement Section



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Items & Priced Quotation (Bid Form)

Please quote your price in this form only

Sl.No.	Name of Items	QTY	Unit	Rate(Nu)	Amount (Nu)	Remarks
1. Microcontroller						
1	Arduino UNO R3 board with DIP ATmega328P	10	nos			
2	MurphTech Arduino Nano V3.0 Atmega328p for embedded development and projects (With Soldering)	10	nos			
3	INSIGNIA LABS - Atmega328P IC with Uno Bootloader DIP 28 Pin Microcontroller IC CHIP for UNO R3	20	nos			
2. USB to Serial Converter						
1	CentIoT - FTDI FT232 FT232RL USB to UART TTL Serial Adapter Module - with USB Mini B Cable	5				
3. Voltage Regulator						
1	ZYME® LM7805 7805 Positive Voltage Regulator IC, 5V 1A (Pack of 2)	5	packs			
2	LM7808 IC-8V Positive Voltage Regulator IC – Pack Of 2	5	packs			
3	Technical Hut LM7812 7812 Positive Voltage Regulator IC 12V/1A, Multicolour -10 Pieces	1	pack (10 pcs)			
4	LM7806 IC-6V Positive Voltage Regulator IC – Pack Of 2	5	packs			
4. Light Dependent Resistor (LDR)						



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1	ELECTROBOT 30 Pieces LDR Photoresistor Photo Light Sensitive Resistor Light Dependent Resistor 5 mm GM5539 5539	1	pack (30 pcs)			
2	Invento 50Pcs 5mm Round Ultra Violet LED UV Light 390-395nm Purple LED Lamp for DIY Projects	1	pack (50 pcs)			
3	Invento 25pcs 5mm 940nm IR Receiver LED Diode Lights Clear Infrared DC 1.2V 30mA 70mW for DIY Projects	1	pack (25 pcs)			
4	Generic PZIN14016715 Imported 10X 5 mm Common Anode 4 Pin Tri Color Diffused Light Lamp LED Diode Rgb	10	pack			
5.Standard Servo DC motor						
1	Robotbanao EAEC100100-230 Sg90 Micro Servo Motor, Blue 5pc	1	pack (5 pcs)			
2	TowerPro MG995 Servo Motor	10	pcs			
6.Sound Sensor						
1	REES52 Smart Electronics KY-038 4pin Mini Voice Sound Detection Sensor Module Microphone Transmitter for arduino DIY KIT	10	pcs			
2	Techtonics LM393 Sound Detection Sensor Module	10	pcs			
7.Temperature Humidity Sensor						
1	SciBaba LM35 Temperature Sensor for Arduino	10	pcs			
2	Robotbanao.Com Dht11 Digital Temperature Humidity Sensor Module Compatible With Dht11 Arduino	10	pcs			
3	Techtonics Capacitive Soil Moisture Sensor V2.0	10	pcs			
8.WIFI module						
1	Techtonics ESP8266 ESP-01 Serial Wifi Wireless Transceiver Module - Arduino Compatible	10	pcs			



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9. Transistor						
1	INSIGNIA LABS - PN2222A NPN General Purpose Transistor Amplifier Pack of 20pcs	1	pack (20 pcs)			
2	2N6292 Transistor	20	pcs			
3	TIP120 NPN Power Darlington Transistor	10	pcs			
10. Color Sensor						
1	xcluma TCS34725 RGB Color Sensor with IR Filter and White LED	5	pcs			
11. Motion Sensor						
1	Super Debug HC-SR501 Adjust Ir Pyroelectric Infrared PIR Motion Sensor Module for Arduino, ARM and other MCU	10	pcs			
2	Robotbanao - EAEC100100-234Ir Infrared Obstacle Avoidance Sensor Module for Arduino Smart Car Robot, Multi	1	pack (5 pcs)			
3	REES52 GY-521 Mpu6050 Module+ 3 Accelerometer for Arduino	5	pcs			
12. Buzzer						
1	xcluma Passive Buzzer Module Low Level-Triggered the Sound Module Buzzer Control Board Alarm	10	pack (10 pcs)			
	Electronic Spices 5V Passive Buzzer Acoustic Component Mini Alarm Speaker for electronic project pack of 5	1	pack (5 pcs)			
13. Resistors						
1	SEMICOMP 100-OHM, 1/4 Watt, 5% Tolerance Resistance- Pack of 100 Pieces	1	pack(100 pcs)			
2	SEMICOMP 330-OHM, 1/4 Watt, 5% Tolerance Resistance- Pack of 100 Pieces	1	pack(100 pcs)			
3	SEMICOMP 1K-OHM, 1/4 Watt, 5% Tolerance Resistance- Pack of 100 Pieces	1	pack (100 pcs)			
4	SEMICOMP 2.2K-OHM, 1/4 Watt, 5% Tolerance Resistance- Pack of 100 Pieces	1	pack (100 pcs)			
5	Resistor 4K Ohms 1/8W, 1% TH, Pack of 25 NO'S	1	pack (25 nos)			



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6	INSIGNIA LABS -100 PCS 10K OHM RESISTORS .25 WATT WITH TOLERANCE 5%	1	pack (100 pcs)			
7	Resistor 20K Ohms 1/4W, 1% TH, Pack of 25 NO'S	1	pack (25pcs)			
14.Capacitors						
1	120pcs 12 values 0.22UF-470UF Aluminum electrolytic capacitor assortment kit set pack	1	pack (120 pcs)			
2	Kisel Electronics Electrolytic Capacitors 0.22uF 50V 10 pcs	2	pack (10 pcs)			
3	0.1uF 50v Electrolytic Capacitor by Indian Hobby Center (Pack of 10)	2	pack (10 pcs)			
4	Electrolytic Capacitors 10uF 50Volt (Pack of 10)	2	pack (10 pcs)			
5	Electrolytic Capacitors 22uF 25Volt by Indian Hobby Center (Pack of 10)	2	pack (10 pcs)			
6	e4u 22pF 50V Radial Ceramic Disc Capacitor - 100 No's	1	pack (100 pcs)			
7	100pcs 100 nf 104 Ceramic disc Capacitor 50V 100nf	1	pack (100 pcs)			
15.PCB board						
1	Electronicspices General Purpose Printed Mini Zero PCB Circuit Board for electronic project or Experiment (7.5 X 5 cm) - Pack of 4	13	pack (4 pcs)			
16.Opto Coupler						
1	BOJACK PC817 OPTOCOUPLER DIP Installation PC817C 2.54 mm Pitch 4-pin DIP-4 (Pack of 50 pcs)	1	pack (50 pcs)			
2	FAYLEZ 10 PCS 4N25 6 Pin Optoisolators Transistor DIP	1	pack (10 pcs)			
17.Schottky Diodes						



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5	lineOn Metal Fridge Magnet, 10x3x3 mm, 20 Piece	1	pack (20 pcs)			
6	NEXT GEEK Dynamo Generator motor DC Motor Volt 4-12 DIY School science project motor (PACK OF 4)	1	pack (4 pcs)			
7	XCLUMA 12V 10W DC MICRO HYDRO GENERATOR TAP WATER FLOW HYDRAULIC HYDROPOWER DIY WATER CHARGING TOOL	5	pcs			
8	ZIBUYU® Soldering Tool Kit with Adjustable Temperature Welding Iron, 5 Tips, Desoldering Pump, 2 Tweezers, Tin Wire Tube, Stand	1	set			
20.Submersible Water pump						
1	Mini Submersible Water Pump Motor One Outlet Nozzle DC-6V	12	pcs			
2	Mini Submersible Water Pump Motor One Outlet Nozzle DC-9V	12	pcs			
3	Mini Submersible Water Pump Motor One Outlet Nozzle DC 12V	12	pcs			
21.Mini Solar Panel						
1	3v-100mA Solar Cell Panel - 5 pcs pack	3	pack			
2	6v_100maH Solar cell panel	20	pcs			
3	12V-100maH Solar Cell Panel	5				
22.Drone Kit Assembly						
1	F450 Quadcopter Rack Kit Frame APM2.8 7M GPS XXD A2212 1000KV 30A ESC 1045 Props For Rc Quadcopter FPV Drone Toys DIY Accessorie	3	set			



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2	F450 450mm Quadcopter Frame Kit with APM2.8 Controller board 7M GPS 30A Simonk esc 2212 920kv Flysky FS-i6 TX For Rc Quadcopter	3				
3	6" Plastic Propeller with Metal Shaft and Plastic Mount for Craft Sticks, Ideal for Rubber Band Powered Science and Engineer Projects Like Airplanes and Helicopters	100	pcs			
4	Celestron – StarSense Explorer DX 130AZ Smartphone App-Enabled Telescope – Works with StarSense App to Help You Find Stars, Planets & More – 130mm Newtonian Reflector –	1				
5	Virtual Reality equipment (The best VR headset for PC/Smart board screen compatibles Oculus Quest 2 Advanced All-In-One Virtual Reality Headset - 256GB)	1				
6	G04BS Wireless VR Glasses 3D Virtual Reality Box Google Cardboard Stereo Mic Headset Helmet for 4.7-7.2" Smartphone + Joystick https://www.aliexpress.com/item/1005002812985192.html	2				
7	Augmented Reality equipment (Microsoft Hololens, AR smart glasses)	1				
8	SMART Board Screen (STEM apps/software installation)	1				
9	Microphone / Headphones (Recording purpose)	5				
10	3D Printers PRUSA https://www.prusa3d.com/category/original-prusa-i3-mk3s/	1				



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11	3D Printer ENDERPRO with Go-Code Software 3D Printer Creality Ender 3 Pro 3D Printer with UL Certified Meanwell Power Supply Upgraded Ender 3 with Magnetic Surface Plate Printing Size 8.6x8.6x9.8in/220x220x250MM for Beginners https://www.amazon.com/CREALITY-Certified-Meanwell-Upgraded-8-6x8-6x9-8in/dp/B07K3SZBHJ	1				
12	https://www.apsx.com/apsx-pim-stand	1				
13	Educational Robotics kits	1	set			
14	Light ray box	1	set			
15	Stomp rocket kit	2	set			
16	Microbit	1	set			
17	Water Testing kit	1	set			
18	Swift 1.3 Megapixel Digital Camera for Microscopes, Eyepiece Mount, USB 2.0 Connection, Color Photography and Video, Windows and Mac Compatible	1	no			
	Total Amount=					

Note: The quoted rate should be inclusive of all the charges.



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Name & Signature of Bidder:

Bidder's Official Seal

Date: