

GOVT. COLLEGE OF ENGINEERING VIDYANAGER, KARAD



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No. CEK/Roboclub/Robocon/2018-19/1594
Date: 29 Apr 2019

Subject – “Quotation for Supplying Electronics Components”

Sir,

With reference to above, I have to request you to kindly quote your rates for list attached herewith for **Roboclub** of this Institute so as to reach this office on or before **14.05.2019**.

Quotation should be valid for at least 30 days from the date of opening. The quotation should be sent to “**The Principal, Government College of Engineering, Karad**” in sealed envelope superscripted with word “**Quotation of Supplying Electronics Components**”, due on **14.05.2019**. The required particulars with specification are attached herewith.

Sr. No.	ITEM NAME	SPECIFICATIONS	QTY
1	RASPBERRY PI 3B+	1.4 GHz ARM Cortex-A53 Quad-Core-CPU, WLAN 802.11 b/g/n/ac (2,4 + 5,0 GHz)	1
2	L298 MOTOR DRIVER	Driver chip: L298N Dual H Bridge Supply voltage: VMS 5V – 35V Peak current IO: 2A per bridge	6
3	40 PIN FLOW SOLDER	1 mm	2
4	40X1ST BIRG STRIP	1mm	2
5	40 pin MALE TO FEMALE	set of 40 pin	2
6	ARDUINO NANO CH340	Operating Voltage: 5 V Flash Memory: 32 KB of which 2 KB used by boot-loader SRAM: 2 KB Clock Speed: 16 MHz	2
7	RASPBERRY PI CAMERA	5 MP	1
8	DC POWER CONNECTOR	12 v	4
9	4 CHANNEL RELAY BOARD 12V	AC250V 10 A, DC30V 10 A	2
10	4 CHANNEL RELAY BOARD 5V	Channel: 4 channel Relay Operating Voltage: 5V	3
11	30/40 Motor 60RPM	Linear actuator with 60 rpm, 300mm	1
12	2mm GOLD CONNECTOR	Length: 12.5mm(Each)	4

	3 PAIR (6pcs)	Diameter: 2mm Weight: 0.4g(Pair)	
13	ALUMINIUM OD:25mm, LENGTH:20mm, FLEXIBLE SPIDER SHAFT COUPLING BORE:5*12mm	Material: Aluminium. Bore Diameter (d1): 5 mm Bore Diameter (d2): 12 mm	2
14	Photoelectric Speed Sensor Encoder Coded Disc code wheel	Voltage: DC 6-36V Output current: 300mA 3 Wire Polarity: NPN Dimension : M12x10x55mm	8
15	PLANETARY GEARED STEPPER MOTOR 60KGCM	Step Angle : 1.8 Degree Rated Voltage: 2.8VDC Rated Current: 1.68Amps Moment permissible Torque : 60Kgcm Rated Speed: 300RPM Shaft Length: 20mm Shaft Dia: 8mm Gear Ratio: 1:19 Holding Torque: 58kgcm	1
16	3D Printer StepStik DRV8825 Driver	Supply Voltage: 8.2 – 42 VDC. Current Capacity : 2.2A max(24V). Continuous current per phase: 1.5 A. Minimum Logic voltage: 2.5V. Maximum Logic Voltage: 5V. Microstep resolutions: full, 1/2, 1/4, 1/8, 1/16, and 1/32. Dimensions : 15 x 20 mm. Weight: 4 gm.	1
17	High Torque Encoder DC Servo Motor 600 rpm W/UART/I2C/PPM Drive	600RPM 12V DC motors with Metal Gearbox and Metal Gears ,8000 RPM base motor,180gm weight	2
18	High Torque Encoder DC Servo Motor 900 rpm W/UART/I2C/PPM Drive	900RPM 12V DC motors with Metal Gearbox and Metal Gears ,8000 RPM base motor,180gm weight	6
19	Ultra Torque Quarter Scale 60 Kgcm Metal Gear Servo motor	Quarter size servo Motor with Dual Ball Bearing and Metal Gears. Provides Extreme torque of 27.5kgcm at 4.8V and 33kgcm at 6V	1
20	Ultra Torque Quarter Scale 35 Kgcm Coreless Servo w/t Acc	Operating Voltage: 6V ~ 8.4V Operating temperature range: -10°C ~ 50°C	1
21	Proximity Switch Photoelectric Switch Sensor LJ12A34Z/BX	Inductive Proximity Sensor Detection Switch NPN DC6- 36V 4mm Normally Open pximity switch LJ12A3-4- Z/BX, also known as Inductive sensors, metal sensors	1

The Institute does not bind itself to accept or reject the quotation. Please note that if there is any over-writing in the quotation, the said term will not be taken into consideration.

The quotation will be opened on **14.05.2019** at **11.00 am.**

Thanking you.

Yours faithfully,



Principal,

Government College of Engineering, Karad.