



**KERALA AGRICULTURAL UNIVERSITY**  
**KELAPPAJI COLLEGE OF AGRIL. ENGG & TECHNOLOGY,**



Tavanur-679573, Malappuram (Dt), Kerala

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C3- 2134/2020

Dated: 10.01.2023

**QUOTATION NOTICE**

Sealed competitive quotations are invited for the supply of research materials with the following specifications at KCAET, Tavanur.

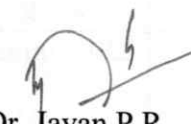
SI.NO	DESCRIPTION	QTY
01	Soil moisture sensor <ul style="list-style-type: none"><li>• Capacitive type</li><li>• Operating Voltage: 3.3 ~ 5.5 VDC</li><li>• Operating Current: 5mA.</li></ul>	4
02	Temperature sensor <ul style="list-style-type: none"><li>• DHT11 temperature sensor</li><li>• Temperature measuring range: 0 to 50 degree.</li></ul>	2
03	Humidity sensor <ul style="list-style-type: none"><li>• DHT11 humidity sensor</li><li>• Range 20 to 95%</li></ul>	2
03	Light sensor <ul style="list-style-type: none"><li>• PAR light sensor</li></ul>	2
04	Solenoid valve <ul style="list-style-type: none"><li>• Size:1.5"</li><li>• Usage: water</li><li>• Pressure : 2 to 10 bar</li></ul>	5
05	Relay <ul style="list-style-type: none"><li>• Electromechanical Relay</li><li>• Voltage : 3 to 5v</li></ul>	5
06	Micro controller <ul style="list-style-type: none"><li>• Model : Raspberry pi 4</li><li>• Type: 8 bit</li><li>• RAM :4GB</li></ul>	1
07	LED lights <ul style="list-style-type: none"><li>• Voltage : 220</li><li>• Watt: 60</li></ul>	2

08	<p>Water flow sensor</p> <ul style="list-style-type: none"> <li>• Working Voltage: 5 to 18V DC</li> <li>• Max current draw: 15mA @ 5V.</li> <li>• Working Flow Rate: 1 to 30 Liters/Minute.</li> </ul>	5
09	<p>GSM modem connection</p> <ul style="list-style-type: none"> <li>• Based on the Quectel M66 Module</li> <li>• Send/Receive SMS</li> <li>• Make/Receive voice call with 3.5mm audio jack</li> <li>• Quad-band module (850 to 1900MHz)</li> <li>• Include Onboard Bluetooth with an antenna</li> <li>• Controlled via AT commands.</li> <li>• Compatible with all Raspberry Pi 4 Version</li> <li>• Auto banding 4800bps to 115200bps</li> </ul>	1
10	Switch board	2
11	Bread board	2
12	Jumper wires	1
13	<p>ABS casings for sensors and microcontroller</p> <ul style="list-style-type: none"> <li>• IP 65 water proof ABS casing</li> </ul>	5
14	<p>Pump</p> <ul style="list-style-type: none"> <li>• Mono block- Single phase</li> <li>• Centrifugal pump</li> <li>• HP :1</li> </ul>	1

Terms and conditions

1. The rate quoted should be inclusive of all taxes and other charges if any.
2. The quotation should bear the specifications / brochure of the manufacturer.
3. The quotations should reach this office at **2.30 PM on or before 23/01/2023** and the quotation will be opened at 3.00 PM on the same day
4. Late and defective quotations will not be accepted.
5. The envelope containing the quotation should be superscribed with "**Quotation for Research Materials**" and addressed to the Dean of faculty (Agrl. Engg.), KCAET, Tavanur.
6. All rules related with Government quotations are applicable to this also.
7. All rights to accept/reject the quotation shall be vested on the undersigned.
8. The successful quotationer has to furnish an agreement in Kerala stamp paper worth Rs. 200/- and a security deposit amounting to 5% of the bill amount.



  
 Dr. Jayan P.R.  
 Dean of Faculty (Agrl. Engg)  
**DEAN OF FACULTY (Agrl Engg)**

To

KAU Website, KCAET Website, Notice Board and dailies. Kelappaji College of Agrl Engg & Technology,

Tavanur - 679 573