



# तेजपुर विश्वविद्यालय / TEZPUR UNIVERSITY

(केंद्रीय विश्वविद्यालय / A Central University)

- कुलाध्यक्ष का सर्वोत्तम विश्वविद्यालय पुरस्कार, 2016 और एनआईआरएफ भारत रैंकिंग 2016: नं. 05
- Visitor's Best University Award, 2016 and NIRF India Ranking 2016: No. 05

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तेजपुर-784028 :: असम / TEZPUR-784028 :: ASSAM

## SHORT QUOTATION NOTICE

TU/11-24/Pur/Qtn/2016-17/3953-A dated:-30.12.2016

Sealed quotations are invited from reputed manufacturers/authorized dealers/vendors for supply, installation & commissioning etc. of following equipment required for the Department of Electronics & Communication Engineering, Tezpur University (under the AICTE-NEQIP Grant).

### List of Items with specifications:

Sl. No.	Item	Specification
1	8051 development board	
2	RFID Reader/Writer module	
3	AT24C256 serial EEPROM	
4	Lithium Ion Battery	
5	Servo Motor	
6	Mechanical Counter	
7	Arduino Uno Board	
8	Heating element	
9	Mosfet IRLB4132	
10	XL6009 DC step up boost	4A
11	Copper Clad circuit board	
12	Battery 12V 7to 12 AH	
13	12V PB Battery Charger	
14	MPU6050 Gyro Sensor	
15	Heat Sink (various types)	
16	2 Wheel drive robot platform	
17	Serial Bluetooth module HC-05	
18	High speed DC motor (15000-25000 rpm)	
19	L293D arduino Motor control shield	
20	L293D IC	
21	INA121 IC	
22	AD620 IC	
23	OPA333	
24	ADS1292r	
25	ECG ELECTRODE	Kenny, Rumson
26	12 lead ECG cable	
27	LM358 IC	
28	NE555 IC	
29	BC547 transistor	
30	Speaker, LS	8 ohm, 0.5 W
31	Raspberry Pi 3 board	
32	SD Card, 16 GB	



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33	ESP8266 module	
34	IR transmitter and receiver	
35	LCD Display	20X4 alphanumeric display, green backlight
36	Arduino Uno board with connectors	
37	ECG/Respiration shield for arduino	
38	RF Tx and Rx module 433MHz	
39	HT12E IC	
40	HT12D IC	
41	Ultrasonic distance module	
42	Solar Panel module	12 V, 200-300 mA
43	Buzzer	
44	Capacitor box	
45	Resistor Box	
46	single strand wire	
47	Ferric chloride for PCB etching	
48	Digital Multimeter	
49	Soldering Kit and Solder Iron remover	
50	Right angled BK7 glass Prism(20mm×20mm)	
51	DC 12V-D2 Mini Peristaltic Dosing Pump ID2mm For Lab Water Analytical Liquid	
52	3W SMD LED source	
53	Bi-convex lens	
54	8*8 LED Dot matrix module	
55	4x4 16 Key Switch Keypad Keyboard Fit For Arduino	
56	LCD Module Blue Backlight Adapter	
57	OV7670 CMOS Camera Module Lens CMOS 640X480 SCCB W/ I2C Interface Arduino Camera	
58	Jumper Wire, 20 Male to Male + 20 Female to Female + 20 Male to Female	
59	30 piece Ratcheting Screw Driver Set (Red and Black)	
60	Electronic Components Project Kit / Breadboard, Capacitor, Resistor, LED, Switch	
61	Wire cutter	
62	100 pcs Assorted transistors combo BC547 BC557 2N2222 2N3904 2N3906 NPN PNP 20 pcs each	
63	Resistance Pack (20 Type, 25 Each) - 500Pcs	
64	10X Pcs of LDR Photocell Resistor SENSOR LIGHT DEPENDENT Resistor	
65	Hot Melt Glue Gun, (Blue:Black:Red)	
66	All Purpose Hot Melt Glue Sticks - 10pcs	
67	General Purpose Printed Circuit Board-3 Pc + Female Berg strip-3Pc+ Male Berg strip-3Pc Pack	
68	LDR Sensor Module	
69	CCD camera with 30mm lens diameter	
70	Atmega32 IC	
71	Universal Programmer for Microcontroller	TOP2007



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72	PH Meter	
73	Mini weight scale	Precision PRO 10g x 0.001g Milligram Balance Scale
74	9v Rechargeable Battery	
75	NIMH Battery Charger	
76	5V/12V/10V Power supply	
77	OPA4277PA op-Amp IC	
78	MUR480 Diode	
79	IRF540N MOSFET	
80	2N7000 MOSFET	
81	MAX038DS Waveform IC	
82	Electrolytic Capacitor (1uf to 500uf)	
83	BC548 Transistor	
84	Wire single strand	
85	Soldering lead	
86	Cutter	
87	Nipper	
88	De soldering pump	
89	PCB general purpose	
90	Current Sensor Hall 100A	
91	Crystal Oscillator	
92	Barrier Connector	
93	LCD	LCD 16X2 Alphanumeric Display with Green Backlight
94	LED	
95	HEXFET IRF3205	
96	Gate Drive IRS2110	
97	Voltage regulator	
98	Aluminium Channels (Various sizes)	(Quantity in Kg)
99	Nutbolt mixed type	
100	Drill Bit set	
101	Wooden Plank	(Quantity in cubit feet)
102	Insulating material	PVF/Fibre glass)
103	Aluminium Sheet	(Quantity in Kg)
104	Glass Epoxy Copper Clad board	(quantity in sq feet)
105	Third hand with magnifying Glass	
106	Geared Motor 12 Volt , 80 to 100 kg-cm	
107	4 Sq mm copper wire	
108	Low temperature solder wire	
109	Battery 12V 25to 40AH	
110	Potentiometers	100 ohms to 1 Mohm, good quality
111	Force Sensor	



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112	Gyroscope sensor	
113	Acceleration Sensor	
114	Magnetic direction sensor	
115	Lidar sensor module	
116	Low temperature Tin Bismuth solder paste	
117	Silver conductive paint	( Rate per 100 gm)
118	Silver conductive paste	( Rate per 10 gm)
119	silver conductive pen	
120	Microcontroller (PIC 18F45k22)	
121	LCD panel (16X2 Blue)	
122	Rolling pumps	
123	TGS 2610	Gas sensor
124	TGS 2611	Gas sensor
125	TGS 813	Gas sensor
126	TGS 822	Gas sensor
127	TGS 2602	Gas sensor
128	Miniature Airflow pump	
129	Soldering wire	(Quantity in multiple of 50gms)
130	GPS module	
131	General Purpose Printed Circuit Board	
132	Header pins (various sizes)	
134	MQ-2 Flammable Gas and Smoke Sensor	
135	MQ-5 LPG + Natural Gas Sensor	
136	MQ-9Carbon Monoxide Gas Sensor	
138	PCB Board	
139	PIR motion detection sensor hc-sr501	
140	Microwave doppler radar motion sensor module hb100	
143	XBee 2mW Wire Antenna -Series 2 (ZigBee Mesh)	
144	GSM Modem SIM300 for projects mic in speaker out option buzzer in built rs 232 interface (1 piece)	
145	ePro Labs Arduino Mega 2560 R3 With USB Cable	
146	Servo Motor	

## GENERAL TERMS & CONDITIONS:

1. No separate tender paper will be issued from the office; one should only download the specifications/List from the website.
2. **The rates should be preferably quoted in Indian Rupee and FOR Tezpur University, Napaam basis. Charges for clearing and transportation should be incurred by the supplier.**
3. *Quotations should be accompanied by i) An EMD (in the form of Demand Draft/Call Deposit/TDR) of ₹. 5000/- (Rupees Five Thousand) only drawn/pledged in favor of Registrar, Tezpur University, payable at Tezpur. **No request for consideration of earlier deposited EMD will be considered.** ii) A non refundable application (quotation) fee of ₹.1000.00 (Rupees One Thousand) only have to be paid only by Demand Draft drawn in favour of Registrar, Tezpur University payable at Tezpur.*



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4. The rates should be exclusive of taxes and applicable tax % should be clearly indicated.
5. Quoted rates should be valid at least for a period of 01 year.
6. The rates should be quoted along with supporting documents of specifications and technical features and list of users.
7. The system must be installed at the laboratory, and after installation a basic training must also be provided by the supplier or their Indian counterpart without any additional costs.
8. All the quotations must be accompanied with supporting documents and / or literature.
9. Demonstration may be sought from the vendors for authentication of quoted specification.
10. Details of availability of after sales support will have to be furnished. After sales support directly from manufacturer and from Assam (Guwahati / Tezpur) will be preferred.
11. The University is exempted from paying Custom and Excise duty.
12. Proprietary items should be quoted with sole Manufacturer/Distributorship certificate.
13. Warranty/Gurantee period should be specifically mentioned in the quotation.
14. No Advance payment will be made. However, for foreign supplier, advance payment will be made either by FDD/Wire Transfer/LC. In such cases 10% Performance Bank Guarantee should be submitted before issuing FDD/Wire Transfer/LC, covering the warranty period.
15. Performance Bank Guarantee also has to be submitted for Major equipments of Indian origin, covering the warranty period.
16. Items of Foreign origin should have Insurance up to installation on site.
17. The University reserves the right to accept or reject any or all the quotations without assigning any reason.
18. Quoted price should be inclusive of essential accessories and should be CIF Tezpur University, Tezpur
19. Applications for release of EMD should be submitted to the Registrar/ Deputy Registrar.
20. Apart from the above terms and conditions the University has the right to include any other terms and conditions as and when felt necessary.
21. **Quotation should be submitted in the DROP BOX placed in the reception of the Administrative Building of the University within 30 days from the issue of the notice. If posted/couriered, should be reached within 30 days from the issue of this notice addressed to "The Joint Registrar , Tezpur University". The Quotation Notice No. and date should be clearly superscribed in the the envelope/packet containing the quotation.**

Sd/- Joint Registrar  
Tezpur University