



GOVERNMENT ENGINEERING COLLEGE

(Dept. of Technical Education, Govt. of Gujarat)
Mavadi Kankot Road, Near Krishnanagar - Rajkot

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email :- gec-raj-dte@gujarat.gov.in Ph.9978287873



सत्यमेव जयते

No: GECR /2018/SSIP/1843/67/42-51/ 1423
To

Date: 27/11/2018

INQUIRIES

Subj.: Quotation of Items required for SSIP PoC/Prototype Making Project No.42-51(As per Annexure attached).

Sir,

I request you to sent your valued QUOTATION for the items mentioned in the statement enclosed (where necessary), with this letter. The following **Conditions** should be complied within your quotation and failure to which will render your quotation liable to rejection.

The quotation should be sent in a **sealed cover**. Outside the cover it should be clearly written **Quotation for SSIP PoC/Prototype Making Project No. 42-51**. **Last date 18/12/2018**. If this writing is not shown outside the cover, the cover is likely to be opened earlier and be rejected.

1. The last date for receiving the quotation is **18/12/2018**, and the quotations will be opened at **16.00 hrs** on **19/12/2018**. You may remain present at the time and date of opening, if you so desire.
2. Your rates should be strictly **F.O.R. Institute, giving bifurcation of base price and applicable taxes**. The delivery of items should be at Government Engineering College, Mavadi-Kankot road, Near Krishna nagar, Rajkot.
3. The specifications of each item quoted should be completely described in the quotation. These specifications should be the same as those given in the statement enclosed herewith. In case you are unable to quote for one or more item/s, exactly as per the specifications of the tender/inquiry, you may quote for the item/s having identical or nearest resembling specifications stating respectively in accordance with specifications of the item offered by you differs with those prescribed by us.
4. Rate must be quoted in specified units mentioned in the tender/quotation form.
5. Conditional tender will not be accepted.
6. Quotation must be on letter pad and duly signed and stamped otherwise quotation will be rejected.
7. The validity period for the quotation should be at least 3(three) months or more from the date of opening of tender/quotation. Tender/Quotation once submitted shall remain final and irrevocable.

8. Items should be given in same serial number in the quotations as given in the tender form.
9. The inspection of the materials for approving them will be done only after the receipt of the goods by this Institution. Payment will be made only after the receipt of totally ordered acceptable items. Every effort will be made to make payment at an earliest, but in no circumstances any offer of discount for early payment will be accepted and any such offer of discount shall mean that you desire to give the said discount, and the said discount will be deducted from your bill under all circumstances.
10. Goods/Articles ordered are not receivable by retrieving documents through bank as no Security Deposits or Earnest Money Deposit are taken from the bidders nor the inspection of goods is carried out prior to the dispatch.
11. This Office reserves the right to accept or reject any or all quotation/s without assigning any reason.
12. You may please note that you have to quote only those items which are ready in your stock and the delivery can be made within 07 days.

Encl: 1 Sheet

Yours faithfully,

[Signature]
PRINCIPAL,
GOVT. ENGINEERING COLLEGE,
KASROT.


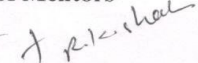
O/C

[Signature]
27/11/18

ANNEXURE 1: SPECIFICATION

SR. NO.	COMPONENT	SPECIFICATION	QUANTITY
1	GSM module	<ul style="list-style-type: none"> SIM 900 Power supply: 5v Low power consumption: 1.5mA Operating voltage 7-15v Operation temp. -40°C to +85°C 	1
2	Arduino UNO	<ul style="list-style-type: none"> Microcontroller: ATmega328 R3 Operating voltage: 5v Input voltage (recommended): 7-12v Input voltage (limits): 6-20v Digital I/O pins: 14 (of which 6 provide PWM output) Analog input pins: 6 pins DC current per I/O pin: 40mA DC current for 3.3v pin: 50mA Flash memory : 32KB of which 0.5KB used by bootloader SRAM: 2KB (ATmega328) EEPROM: 1KB 	4
3	16*2 LCD	<ul style="list-style-type: none"> WH1602T Operating voltage 4.7 to 5.3v Duty cycle 1/16 8-bit data pins Operating temp. 0°C to +50 °C Total Pin-16 	1
4	Energy Meter	<ul style="list-style-type: none"> Reference voltage : 240V Number of phase : Single phase two wire Basic current : 5 ampere Rated maximum current : 400 percent 	1
5	OPTOCOUPLER	<ul style="list-style-type: none"> 4n35 Isolation test voltage 3500Vrms Input output coupling capacitance <0.5pf Operating temp. -55°C to +100°C Forward current 60mA Reverse input voltage -6v Collector current 100mA Collector-emitter voltage 30V Emitter-collector voltage 7V Total power dissipation 3550Vrms 	1

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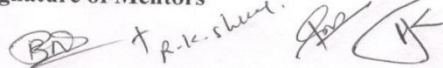



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6	Relay	<ul style="list-style-type: none"> • NTE-R22-5D16 • 3~48 Vdc coils • 16 amp contacts • Series: R22 • Contacts: SPDT • Nominal coil voltage: 6Vdc • Rating@120Vac: 16amps • Rating@24/28/30 Vdc: 16amps • No. of electrical connection:5 • Operating temp. -30 °c to +70 °c • Mechanical life: 10,000,000 operation min 	1
7	Jumper wires	<ul style="list-style-type: none"> • Length 25cm • Male-male connecting wire • Male-female connecting wire • Female-female connecting wire 	25
8	IC Uln2003	<ul style="list-style-type: none"> • Input voltage: 30V • Output voltage: 50V • Collector current: 500mA • Base current: 25mA • Operating temp. range: -20 °c to 85 °c 	1
9	Bulb and holder	<ul style="list-style-type: none"> • 100W bulb • Voltage: 300V • Material Used: Glass, Aluminium 	1
10	Soldering Iron	<ul style="list-style-type: none"> • Temp.range : 200 deg C to 450 dec C • Output voltage : 12 V • Temp.accuracy : +- 10 deg C • Temp.stability : +- 5 deg C • Power consumption : 150W to 300W • Soldering iron rating : 80W (minimum) • Desoldering iron rating : 90W (minimum) • Power supply : 230 Volt 	1
11	Encoder	<ul style="list-style-type: none"> • Incremental • 5-24V • 60mA • 10°cto70°ctemp • Aluminum material • NPNconfiguration • waterproof 	1
12	Driver	<ul style="list-style-type: none"> • 12Vdc • Operating temperature(-15°cto60°c) • 2Acurrent,L298Ndriver • For1/50to1/25HPmotorcontrol 	2

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13	Motor	<ul style="list-style-type: none"> • 12Vdc • 1Acurrent • 200RPM • 2.5kgfcm 	1
14	Seed drill machine	<ul style="list-style-type: none"> • Automation of seed drill machine • Small seed drill machine • 05 teeth 05 pipe single hopper machine 	1
15	Battery	<ul style="list-style-type: none"> • 12vdc • 5amp • Chargeable battery 	1
16	Power Supply	<ul style="list-style-type: none"> • Input voltage230VAC • output voltage12VDC,5amp 	1
17	Bearing	<ul style="list-style-type: none"> • ball bearing • 60 to 70 kg load • 20 mm diameter • Stainless steel material 	2
18	Gear box	<ul style="list-style-type: none"> • Speed slow • Motor mount • Perfect sowing • 10:1 Ratio • Output diameter 20mm • 4kgfcm 	1
19	Moisture Sensor	<ul style="list-style-type: none"> • MODEL NO.- YL-30 • Operating voltage: 3.3V~5V • LM393 comparator chip 	2
20	Optical Proximity Sensor	<ul style="list-style-type: none"> • Model no. - MTENG E18-D80NK • Range: 3 to 80cm 	2
21	Servo Motor	<ul style="list-style-type: none"> • MODEL NO.- (Tower pro MG995) • Metal Gears, • Capacity:19.5kgcm, • Operated at 8.4V 	1
22	Speech recorder circuit	<ul style="list-style-type: none"> • MODEL NO.- (KG073) • Recording Capacity: 8 to 20 sec, • Loud voice, • 0.5Watt 	1
23	Battery	<ul style="list-style-type: none"> • 5V, 2Amp 	2
24	Servo motor driver	<ul style="list-style-type: none"> • Operating voltage: 3.3V~5V • LM393 comparator chip 	1
25	PIC16F877	<ul style="list-style-type: none"> • Program Memory Type: Flash • Program Memory Size (KB): 14 • CPU Speed (MIPS/DMIPS):5 	1

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R. K. Chaudhary



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		<ul style="list-style-type: none"> • SRAM Bytes :368 • Data EEPROM/HEF (bytes):256 • Digital Communication Peripherals: • 1-UART, 1-SPI, 1-I2C1-MSSP(SPI/I2C) • Capture/Compare/PWM Peripherals • 2 Input Capture, 2 CCP • Timers : 2 x 8-bit, 1 x 16-bit • ADC Input :8 ch, 10-bit • Temperature Range :-40 to 85 • Operating Voltage Range (V): 2 to 5.5 	
26	Thermistor	<ul style="list-style-type: none"> • Accuracy:0.5C • Linear + 10.0 mV/oC scale factor. • Operates From 4 V to 30 V • Less Than 60-μA Current Drain • Low-Impedance Output, 0.1 Ω for 1-mA Load • Temperature Range: 0°C ~ 100°C • Resolution:+ 10-mV/°C • Output Voltage: Analog Voltage 	1
27	Carbon dioxide sensor	<ul style="list-style-type: none"> • Input Power: 3.3 - 6V@ >500mA • Operating voltage: 0 - 5V • Interface: Analog • One digital output • Size:32x42mm • Detect range is: 350—10000 ppm 	1
28	UV Lamp	<ul style="list-style-type: none"> • Suitable for biomedical applications • 350 to 550 nm • Small in size 	1
29	Blower Fan	<ul style="list-style-type: none"> • Normal Operating Temperature: 25°C-45°C. • Dimensions: 40 x 40 x 20mm. • Weight: 26 Gram • Operating Voltage: 12 V DC 	1
30	Driver	<ul style="list-style-type: none"> • Wide Supply-Voltage Range: 4.5 V to 36 V • Internal ESD Protection • High-Noise-Immunity Inputs • Output Current 1 A Per Channel 	1
31	Big Plastic Box	<ul style="list-style-type: none"> • Suitable for Human Contact. • 62cm x 45cm x 38 cm 	1
32	Arylic Sheet	<ul style="list-style-type: none"> • 0.5-1.5mm Thickness 	1

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R. L. S. Shetty



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