



# GOVERNMENT ENGINEERING COLLEGE

(Dept. of Technical Education, Govt. of Gujarat)  
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सत्यमेव जयते

No: GECR /Stores/SSIP /2018-19/IC/R42-51/HVK/ 1299

Date: 10/01/2019

To

## INQUIRIES

Subj.: Quotation for SSIP Proejct ICD

Sir,

I have to 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 at the institute address. The quotations by email will not be accepted. Outside the cover it should be clearly written Quotation of Project name and Inquiry Number. If this writing is not shown outside the cover, the cover is likely to be opened earlier and be rejected. The details of Inquiry is as under.

Quotation for(Project Name)	Last Date and time for quotation receive	Quotation Validity Period	Delivery Period(Days)	Remarks if any
SSIP Project ICD	1/2/2019 17:00	3 months	30 Days	

1. The quotations will be opened at 15.30 hrs on 2/2/2019. 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, inclusive of all taxes, GST. In case of Sales Tax, we shall furnish the tax exemption "P" or "D" form, as and when necessary (and if required), as the case may be. This being a Govt. Institute you are allowed to charge the sales tax as per the norms laid-down by the Central/State Govt.
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. 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.
7. Items should be given in same serial number in the quotations as given in the tender form.
8. 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.
9. 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.
10. This Office reserves the right to accept or reject any or all quotation/s without assigning any reason.
11. The name of project and name of supplier must be mentioned on the cover of the quotation The covers without mentioning of the project name will not be considered.
12. The rate of items/services must be mentioned as per annexure-R attached here with and the quotation must be on letterhead and duly signed and stamped by authority otherwise will be rejected.
13. Incomplete quotation in any manner will be rejected without any intimation.
14. You have to quote only one rate of the item more than one rate will result in rejection of quotation.
15. Liquidated Damages: If the Seller fails to deliver any or all of the Goods/Services within the original/re-fixed delivery period(s) specified in the purchase order, the Authority will be entitled to deduct/recover the Liquidated Damages for the delay, @ 0.5% per week or part of the week of delayed period not exceeding 10% of the contract value without any controversy/dispute of any sort whatsoever.

Yours faithfully,

Encl: Annexure-1, Annexure (R)

PRINCIPAL,  
GOVT. ENGINEERING COLLEGE,  
RAJKOT.



## Annexure – I

**Name of Project :** SSIP Project ICD

### **Specification for Items/Services:**

Sr. No.	Name of Item/services	Specification of item/service	Quantity	Delivery period
1	GSM module SIM 900	<ul style="list-style-type: none"> <li>Power supply: 5v</li> <li>Low power consumption: 1.5mA</li> <li>Operating voltage 7-15v</li> <li>Operation temp. -40°c to +85°c</li> </ul>	1	30 Days
2	Arduino UNO R3	<ul style="list-style-type: none"> <li>Microcontroller: ATmega328</li> <li>Operating voltage: 5v</li> <li>Input voltage (recommended): 7-12v</li> <li>Input voltage (limits): 6-20v</li> <li>Digital I/O pins: 14 (of which 6 provide PWM output)</li> <li>Analog input pins: 6 pins</li> <li>DC current per I/O pin: 40mA</li> <li>DC current for 3.3v pin: 50mA</li> <li>Flash memory : 32KB of which 0.5KB used by bootloader</li> <li>SRAM: 2KB (ATmega328)</li> <li>EEPROM: 1KB</li> </ul>	4	30 Days
3	16*2 LCD	<ul style="list-style-type: none"> <li>JHD162A</li> <li>Operating voltage 4.7 to 5.3v</li> <li>Duty cycle 1/16</li> <li>8-bit data pins</li> <li>Operating temp. 0°c to +50 °c</li> <li>Total Pin-16</li> </ul>	1	30 Days
4	Energy Meter	<ul style="list-style-type: none"> <li>ITE-107</li> <li>Reference voltage : 240V</li> <li>Number of phase : Single phase two wire</li> <li>Basic current : 5 ampere</li> <li>Rated maximum current : 400 percent</li> </ul>	1	30 Days
5	Optocoupler 4n35	<ul style="list-style-type: none"> <li>Isolation test voltage 3500Vrms</li> <li>Input output coupling capacitance &lt;0.5pf</li> <li>Operating temp. -55°c to +100°c</li> <li>Forward current 60mA</li> <li>Reverse input voltage -6v</li> <li>Collector current 100mA</li> <li>Collector-emitter voltage 30V</li> <li>Emitter-collector voltage 7V</li> <li>Total power dissipation 3550Vrms</li> </ul>	1	30 Days
6	Relay NTE-R22-5D16	<ul style="list-style-type: none"> <li>3-48 Vdc coils</li> <li>16 amp contacts</li> <li>Series: R22</li> <li>Contacts: SPDT</li> </ul>	1	30 Days



		<ul style="list-style-type: none"> <li>Nominal coil voltage: 6Vdc</li> <li>Rating@120Vac: 16amps</li> <li>Rating@24/28/30 Vdc: 16amps</li> <li>No. of electrical connection:5</li> <li>Operating temp. -30 °C to +70 °C</li> <li>Mechanical life: 10,000,000 operation min</li> </ul>		
7	Jumper wires	<ul style="list-style-type: none"> <li>Length 25cm</li> <li>Male-male connecting wire- 10</li> <li>Male-female connecting wire- 10</li> <li>Female-female connecting wire- 5</li> </ul>	25	30 Days
8	IC Uln2003	<ul style="list-style-type: none"> <li>Input voltage: 30V</li> <li>Output voltage: 50V</li> <li>Collector current: 500mA</li> <li>Base current: 25mA</li> <li>Operating temp. range: -20 °C to 85 °C</li> </ul>	1	30 Days
9	Bulb and holder	<ul style="list-style-type: none"> <li>100W</li> <li>Voltage: 300V</li> <li>Material Used: Glass, Aluminium</li> </ul>	1	30 Days
10	Soldering Iron	<ul style="list-style-type: none"> <li>Temp.range : 200 deg C to 450 dec C</li> <li>Output voltage : 12 V</li> <li>Temp.accuracy : +- 10 deg C</li> <li>Temp.stability : +- 5 deg C</li> <li>Power consumption : 150W to 300W</li> <li>Soldering iron rating : 80W (minimum)</li> <li>Desoldering iron rating : 90W (minimum)</li> <li>Power supply : 230 Volt</li> </ul>	1	30 Days
11	Encoder	<ul style="list-style-type: none"> <li>1).Incremental rotary encoder</li> <li>2). 5-24V</li> <li>3).60mA</li> <li>4).10°C to 70°C temp</li> <li>5).Aluminum material</li> <li>6).NPN configuration</li> <li>7).water proof</li> <li>8).1000 PPR</li> </ul>	1	30 Days
12	Driver	<ul style="list-style-type: none"> <li>1).L298N driver Motor driver</li> <li>2).12V Dc</li> <li>3).2A current,</li> <li>4).For 1/50 to 1/25 HP motor control</li> <li>5).Operating temperature(-15°C to 60°C)</li> </ul>	1	30 Days
13	Motor	<ul style="list-style-type: none"> <li>1).12V dc gear motor</li> <li>2). 1A current</li> <li>3).300RPM</li> <li>4).5 kgfcm</li> </ul>	1	30 Days
14	Seed drill machine	<ul style="list-style-type: none"> <li>Automation of seed drill machine</li> <li>ox seed drill machine</li> <li>05 teeth 05 pipe single hopper machine</li> </ul>	1	30 Days
15	Battery with Charger	<ul style="list-style-type: none"> <li>1).12v dc</li> <li>2). 5amp</li> <li>3). Chargeable battery</li> <li>4).12V &amp; 3A charger</li> </ul>	1	30 Days
16	Power Supply	<ul style="list-style-type: none"> <li>1).input voltage 230V AC</li> </ul>	1	30 Days



		<ul style="list-style-type: none"> <li>2).output voltage 12V DC ,5amp</li> </ul>		
17	Bearing	<ul style="list-style-type: none"> <li>1).Ball bearing</li> <li>2).60 to 70kg load</li> <li>3).20mm diameter</li> <li>4).stainless steel material</li> </ul>	2	30 Days
18	Moisture Sensor	<ul style="list-style-type: none"> <li>MODEL NO.- YL-30</li> <li>Operating voltage: 3.3V~5V</li> <li>LM393 comparator chip</li> </ul>	2	30 Days
19	Optical Proximity Sensor	<ul style="list-style-type: none"> <li>Model no. - MTENG E18-D80NK</li> <li>Range: 3 to 80cm</li> </ul>	2	30 Days
20	Servo Motor	<ul style="list-style-type: none"> <li>MODEL NO.- (Tower pro MG995)</li> <li>Metal Gears,</li> <li>Capacity:19.5kgcm,</li> <li>Operated at 8.4V</li> </ul>	1	30 Days
21	Speech recorder circuit	<ul style="list-style-type: none"> <li>MODEL NO.- (KG073)</li> <li>Recording Capacity: 8 to 20 sec,</li> <li>Loud voice,</li> <li>0.5Watt</li> </ul>	1	30 Days
22	Battery	<ul style="list-style-type: none"> <li>5V, 2Amp</li> </ul>	2	30 Days
23	Servo motor driver	<ul style="list-style-type: none"> <li>Operating voltage: 3.3V~5V</li> <li>LM393 comparator chip</li> </ul>	1	30 Days
24	PIC16F877	<ul style="list-style-type: none"> <li>Program Memory Type: Flash</li> <li>Program Memory Size (KB): 14</li> <li>CPU Speed (MIPS/DMIPS):5</li> <li>SRAM Bytes :368</li> <li>Data EEPROM/HEF (bytes):256</li> <li>Digital Communication Peripherals:</li> <li>1-UART, 1-SPI, 1-I2C1-MSSP(SPI/I2C)</li> <li>Capture/Compare/PWM Peripherals</li> <li>2 Input Capture, 2 CCP</li> <li>Timers : 2 x 8-bit, 1 x 16-bit</li> <li>ADC Input :8 ch, 10-bit</li> <li>Temperature Range :-40 to 85</li> <li>Operating Voltage Range (V): 2 to 5.5</li> </ul>	1	30 Days
25	Thermistor	<ul style="list-style-type: none"> <li>Accuracy:0.5C</li> <li>Linear + 10.0 mV/oC scale factor.</li> <li>Operates From 4 V to 30 V</li> <li>Less Than 60-<math>\mu</math>A Current Drain</li> <li>Low-Impedance Output, 0.1 <math>\Omega</math> for 1-mA Load</li> <li>Temperature Range: 0°C ~ 100°C</li> <li>Resolution:+ 10-mV/°C</li> <li>Output Voltage: Analog Voltage</li> </ul>	1	30 Days
26	Carbon dioxide sensor	<ul style="list-style-type: none"> <li>Input Power: 3.3 - 6V@ &gt;500mA</li> <li>Operating voltage: 0 - 5V</li> <li>Interface: Analog</li> <li>One digital output</li> <li>Size:32x42mm</li> <li>Detect range is: 350—10000 ppm</li> </ul>	1	30 Days
27	UV Lamp	<ul style="list-style-type: none"> <li>Suitable for biomedical applications</li> <li>350 to 550 nm</li> <li>Small in size</li> </ul>	1	30 Days



28	Blower Fan	<ul style="list-style-type: none"> <li>• Normal Operating Temperature: 25°C-45°C.</li> <li>• Dimensions: 40 x 40 x 20mm.</li> <li>• Weight: 26 Gram</li> <li>• Operating Voltage: 12 V DC</li> </ul>	1	30 Days
29	Driver	<ul style="list-style-type: none"> <li>• Wide Supply-Voltage Range: 4.5 V to 36 V</li> <li>• Internal ESD Protection</li> <li>• High-Noise-Immunity Inputs</li> <li>• Output Current 1 A Per Channel</li> </ul>	1	30 Days
30	Big Plastic Box	<ul style="list-style-type: none"> <li>• Suitable for Human Contact.</li> <li>• 62cm x 45cm x 38 cm</li> </ul>	1	30 Days
31	Arylic Sheet	<ul style="list-style-type: none"> <li>• 0.5-1.5mm Thickness</li> </ul>	1	30 Days

Mentor

*[Handwritten signatures]*

Head of Dept.

*[Handwritten signature]*



**Annexure-R**  
**(Must be on Letterhead, Duly signed and stamped)**

Please find Rate of the item/Services as specified in inquiry of \_\_\_\_\_ (Project Name) \_\_\_\_\_ vide inquiry number \_\_\_\_\_ as in below Table. The quoted rates are with acceptance of all the terms/conditions mentioned in the inquiry letter.

[illegible]

Sign and Stamp of the supplier

Note : The rates must be in the specified format as above and must be quoted on letterhead duly signed and stamped. The quotation with partial information/details will be liable for rejection.