GOVT. COLLEGE OF ENGINEERING AND RESEARCH, AWASARI

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No. GCOEARA/Store/2016-17/ 3075

Date:

2 6 SEP 2016

To,

HOD- Computer Engineering for display on College Website

Subject: Quotation for supply of Equipments (for Instrumentation & Control Engineering)

Please send your quotation for the following items on the terms and conditions listed below, mentioning our reference letter number, date and due date of quotation on your sealed envelop, on or before **04.10.2016** at 04.00 P.M.

Sr.No.	Specification	Qty.	Unit
1	Flow Measurement Using Orifice Plate	1	No.
2	Flow Measurement Using Venturi Tube	1	No.
3	PID Experimental Setup- PID Controller using microcontroller	1	No.
4	Function Generator	5	No.
5	Dual Power Supply	4	No.
6	Decade Inductance Box	5	No.
7	Decade Capacitance Box	5	No.
8	Decade Resistance Box	5	No.
9	Analog Micro Ammeter	. 10	No.
10	Analog Mili Ammeter	10	No.
11	Analog Wattmeter	5	No.
12	Microcontroller (8051) Trainer kit with interface cards CPU	6	No.
	Detail scope of supply will be as per enclosed sheet		

Terms & Conditions

- 1 Taxes Inclusive / if extra clearly mention the percentage.
- 2 Delivery period –
- 3 Payment Terms -
- 4 Quotation Validity -
- 5 Warranty -
- 6 Guaranty-

- Mention clearly
- 7 Delivery Charges Free / if extra mention clearly.
- 8 The part supply and its bill will strictly not be entertained.
- 9 If you fail to supply the stores within the specified period, the order will be treated at cancelled without any information.
- The material will be accepted subject at approval(after inspection of the material), If rejected it will be returned to you at your cost.
- 11 The material to be supplied should be strictly according to the specification only.
- 12 Octroi is not applicable since Institute is located in Gram Panychayat area.
- Please attach copy of your shop registration certificate alongwith your quotation, without which your quotation will not be accepted.

(Dr. A. S. Pant

Principal

Govt.College of Engineering & Research Awasari Awasari(khurd)

Cass Hages 127-Pe	Flow measurement using orifice plate Sump tank-stainless steel,2mm thick/pp5mm thick,capacity 30lit,piping-1" GI class B with 1 "ball valves 10 nos,centrifugal pump-1/2 HP 230V Ac supply Rotameter-0-2000LPH glass tube type,acrylic body, Bob material nos,centrifugal pump-1/2 HP 230V Ac supply Rotameter-0-2000LPH glass tube type,acrylic body, Bob material nos,centrifugal pump-1/2 HP 230V Ac supply Rotameter-0-2000LPH glass tube type,acrylic body, Bob material nos,centrifugal pump-1/2 HP 230V Ac supply Rotameter-0-2000LPH glass tube type,acrylic body, Bob material nos,centrifugal pump-1/2 HP 230V Ac supply Rotameter-0-2000LPH glass tube type,acrylic body, Bob material nos,centrifugal pump-1/2 HP 230V Ac supply Rotameter-0-2000LPH glass tube type,acrylic body, Bob material nos,centrifugal pump-1/2 HP 230V Ac supply Rotameter-0-2000LPH glass tube type,acrylic body, Bob material nos,centrifugal pump-1/2 HP 230V Ac supply Rotameter-0-2000LPH glass tube type,acrylic body, Bob material nos,centrifugal pump-1/2 HP 230V Ac supply Rotameter-0-2000LPH glass tube type,acrylic body, Bob material nos,centrifugal pump-1/2 HP 230V Ac supply Rotameter-0-2000LPH glass tube type,acrylic body, Bob material nos,centrifugal pump-1/2 HP 230V Ac supply Rotameter-0-2000LPH glass tube type,acrylic body, Bob material nos,centrifugal pump-1/2 HP 230V Ac supply Rotameter-0-2000LPH glass tube type,acrylic body, Bob material nos,centrifugal pump-1/2 HP 230V Ac supply Rotameter-0-2000LPH glass tube type,acrylic body, Bob material nos,centrifugal pump-1/2 HP 230V Ac supply Rotameter-0-2000LPH glass tube type,acrylic body, Bob material nos,centrifugal pump-1/2 HP 230V Ac supply Rotameter-0-2000LPH glass tube type,acrylic body, Bob material nos,centrifugal pump-1/2 HP 230V Ac supply Rotameter-0-2000LPH glass tube type,acrylic body, Bob material nos,centrifugal pump-1/2 HP 230V Ac supply Rotameter-0-2000LPH glass tube type,acrylic body, Bob material nos,centrifugal pump-1/2 HP 230V Ac supply Rotameter-0-2000LPH glass tube type,acrylic body, Bob ma	15	3 2 6 4
2:	sump Flow measurement using venturi tube tiank-stainless steel, 2mm thik/pp5mm thick, capacity 30lit, piping-1" GI class B with 1"ball valves 10 tiank-stainless steel, 2mm thik/pp5mm thick, capacity 30lit, piping-1" GI class B with 1"ball valves 10 nos, centrifugal pump-1/2 HP 230V Ac supply Rofameter-0-2000LPH glass tube type, acrylic body, Bob material nos, centrifugal pump-1/2 HP 230V Ac supply Rofameter-0-2000LPH glass tube type, acrylic body and panel section outlet-top, Ventury -1" line size amounting sinlet bottom outlet-top, Ventury -1" line size amounting type	1	
	PID Experimental Setup: PID Controller using microcontroller: Display: 4 digit red LED for PV; 4 digit LED for SV; Setting: By key pad; Power Supply: 230 V 50 Hz; Electric Heater: 550 W Approxi ; Stroke: 0 to 20 LED for SV; Setting: By key pad; Power Supply: 230 V 50 Hz; Electric Heater: 550 W Approxi ; Stroke: 0 to 20 LED for SV; Setting: By key pad; Power Supply: 230 V 50 Hz; Electric Heater: 550 W Approxi ; Stroke: 0 to 20 LED for SV; Setting: By key pad; Power Supply: 230 V 50 Hz; Electric Heater: 550 W Approxi ; Stroke: 0 to 20 LED for SV; Setting: By key pad; Power Supply: 230 V 50 Hz; Electric Heater: 550 W Approxi ; Stroke: 0 to 20 LED for SV; Setting: By key pad; Power Supply: 230 V 50 Hz; Electric Heater: 550 W Approxi ; Stroke: 0 to 20 LED for SV; Setting: By key pad; Power Supply: 230 V 50 Hz; Electric Heater: 550 W Approxi ; Stroke: 0 to 20 LED for SV; Setting: By key pad; Power Supply: 230 V 50 Hz; Electric Heater: 550 W Approxi ; Stroke: 0 to 20 LED for SV; Setting: By key pad; Power Supply: 230 V 50 Hz; Electric Heater: 550 W Approxi ; Stroke: 0 to 20 LED for SV; Setting: By key pad; Power Supply: 230 V 50 Hz; Electric Heater: 550 W Approxi ; Stroke: 0 to 20 LED for SV; Setting: By key pad; Power Supply: 230 V 50 Hz; Electric Heater: 550 W Approxi ; Stroke: 0 to 20 LED for SV; Setting: By key pad; Power Supply: 230 V 50 Hz; Electric Heater: 550 W Approxi ; Stroke: 0 to 20 LED for SV; Setting: By key pad; Power Supply: 240 V 50 Hz; Electric Heater: 550 W Approxi ; Stroke: 0 to 20 LED for SV; Setting: 240 V 50 W 50 V 50 Hz; Electric Heater: 550 W 50 W 50 V 50 V 50 V 50 V 50 V 50		

5	Frequency ocreases with-ve out amplitude-20Vp-p	peak)frequency incr th,pluse,TTL,output 10%	,VCF Input-0-10V (Do+AC; are,skewedsine,ramp,sawtool cuit,output impedence-50Ω±	decade range ne ,tringle,squ open ci	Function Generator range-3Hz -3MHz in 6 voltage, output waveforms-sin	4	100 - 100 -
4	ply Resolution current- accuracy-0.5% CH-3	ltage-100mV,Disply ge-100mV,Displyac),25% line regulatio	Dual power supply -IADC, Disply resolution vo ADC, Disply resolution volta IADC max, load regulation-	,O/p current-0-1 /p current-0-1 O/p current-0	EH-1 b/p voltage 0-30 VDC 10mA;CH-2 b-±15VDC,O/ 2.5V -5.5VDC,0	5.	opis na las velop sa navel tras per la sessi
5	range	i 200 i	-о to 1000µH	a)	Decade Inductance Box	6	
5	range	W.			Decade Capacitance Box		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			-o to 1000pf				
. 5		(A) .	-o to 1000pf Decade Resistance Box Range 0 to 1GΩ			4	
5 10		(39) ; Yana	Decade Resistance Box Range 0 to 1GΩ Analog micro ammeter range 0 to 100μA	. s		8	k.
10			Decade Resistance Box Range-0 to 1GΩ Analog micro ammeter	-		8	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
5 10		KAKU .	Decade Resistance Box Range 0 to 1GΩ Analog micro ammeter range 0 to 100μA Analog mill ammeter	15,		8	

12	Microcontroller (8051) Trainer kit with interface cards EPROM. (in built or external) with user frindly commit Board Facilities: 24pin I/O linesusing 8255 are available increcontroller are available to user on 26 pins FRC cointritupts from CPU available on connector, 16 % 2 app 9 pin II type connector for PC communication, 50 pin 10 type connector, 1-5 VDC operation. seven segment for the property of the proper	ble on 26 pins FRC connector. " + Forts pin 15 onnector. 3 Nos 16 bit TIC using 8253, 2 No's phanumeric LCD Display, Rs 232 serial interface on the control of the control	
	Stepper motor interface card.		