



# Y.S.R. ENGINEERING COLLEGE OF YOGI VEMANA UNIVERSITY

PRODDATUR-516360, YSR (Dt.)

Ph:08564-254770, 254771 (F)

No: YSREC/MMT/EMC Lab/2015

08.10.2015

From  
The Principal

To  
The Dealers/Suppliers

Sir,


Sub: Y.S.R. Engineering College of Yogi Vemana University, Proddatur-Procurement of Electrometallurgy Corrosion Laboratory equipments—Call for quotations- Requested- Reg.

You are requested to send your lowest quotation in duplicate towards the supply of Electrometallurgy Corrosion Lab equipments with the specifications as listed below. The quotations should be in the name of “**the Registrar, Yogi Vemana University, Vemanapuram, Kadapa- 516 003, Y.S.R. Dist., A.P**”. It should be reached to “The Registrar, Yogi Vemana University, Vemanapuram, Kadapa—516003, Y.S.R. Dist., A.P”. on or before 28<sup>th</sup> October 2015 by speed post or registered post.

The sealed quotation should invariably be super scribed as “**Kind Attention to The Principal, Y.S.R. Engineering College of Yogi Vemana university, Proddatur: Quotation – EMC Lab, Enquiry No: YSREC/MMT/EMC Lab/2015 dated 08.10.2015, Due Date: 28<sup>st</sup> October 2015**”. You are also requested to send the catalogues if any. Quotations include terms & conditions, unit price, taxes, warrant period, validity of quotation, payment mode, etc.

Thanking You,

Yours faithfully,

  
PRINCIPAL  
Principal  
Y.S.R. Engineering College  
of Yogi Vemana University  
PRODDATUR, Y.S.R. (Dist.)


Copy to

1. Web Committee, Yogi Vemana University, Kadapa with a request to place the call letter in the website of Yogi Vemana University.
2. P.A. to Hon'ble Vice-Chancellor, Yogi Vemana University, Vemanapuram, Kadapa for information.
3. P.A. to The Registrar, Yogi Vemana University, Vemanapuram, Kadapa for information.

**Specifications of Electrometallurgy Corrosion Laboratory  
Instruments & Accessories**

S. No.	Name of the Item with specifications	Quantity
1.	Sulfuric Acid	1 Litre
2.	Hydrochloric Acid	1 Litre
3.	Nitric Acid	1 Litre
4.	Copper Sulphate	1 Kg
5.	Zinc Sulphate	1 Kg
6.	Nickel Sulphate	500 g
7.	Beakers	
	100 ml	10
	250 ml	10
	500 ml	5
	1000 ml	3
8.	Measuring Jars (Borosilicate)	
	500 ml	2
	250 ml	2
9.	Acid Sneakers	5
10.	Tongs small	5
11.	Tongs big	5
12.	Gloves Reusable	5
13.	Ceramic bowls	4
14.	Methayl Alcohol	2 Litres
15.	Polishing Alumina in Water Suspension, Grade-I	2 Kg
16.	Polishing Alumina in Powder, Grade-A	1 Kg
17.	Wash bottle, 500 ml capacity	10
18.	Spatula	
	Small	20
	Big	20
19.	pH Meters <b>Make:</b> Electronics India <b>Model:</b> EI-101 <b>Specifications:</b> <ul style="list-style-type: none"> <li>• Display: 3 1/2 LED Display</li> <li>• Range: pH—1 to 14 and mV—0 to ±1999</li> <li>• Resolution: pH—0.01 and mV—1</li> <li>• Accuracy : pH—±0.01pH and mV—±1 mV</li> <li>• Temperature Compensation: auto and Manual</li> <li>• Sensor: Combined pH electrode and Temperature Probe</li> </ul> <b>Accessories:</b> <ul style="list-style-type: none"> <li>• Combination pH Electrode</li> <li>• Buffer Tablets 4 pH &amp; 7 pH</li> <li>• Operation Manual</li> <li>• Buffer Bottles (4 &amp; 7 pH)</li> <li>• Temp. Probe (101E)</li> <li>• Dust Cover</li> <li>• Electrode Stand</li> </ul>	01

20.	Magnetic stirrer with hot plate <b>Company Make:</b> REMI <b>Model No.:</b> 5-MLH PLUS <b>Specifications:</b> Magnetic Stirrer With Porcelain Enamel Hot Plate (Max. Temp. 340 °C LCD Display of Speed & Temp With External Pt-1000 Probe & Stand, Capacity 5 Ltrs	02
21.	CARBON AND SULPHUR DETERMINATION STROHELIEN SCIENTIFIC C&S DETERMINATION APPARATUS Carbon and Sulphur Determination Apparatus Volumetric method consists of a combustion furnace unit, control panel and glass parts assembled on a wooden stand.	01
22.	ELECTRIC HOT AIR OVEN Electric Hot Air Oven, Laboratory Model, Thermostatically Controlled. With Double walled construction, in between two walls sufficient glass wool is provided to minimize the heat loss. Supplied complete with capillary type thermostat for automatic temperature control, one No.3 heat control switch for operation at low, medium or high heat, two nos. indicating lamps, two meters of three core cable with 3 pin plug for operation on 230 volts 50 cycles AC Mains with digital temperature controller.  Temperature Range : 50 °C to 250 °C. Accuracy +/-1 °C Inner size : 12" x 12" x 12" Rating : 1.0 KW Trays Inner Chamber : Stainless Steel	01
23.	Digital DC power supply <b>Make:</b> Scientific Make <b>Model Number :</b> PSD 3005 <b>Specifications:</b> <ul style="list-style-type: none"> <li>• DC 0 to 30V, 5A</li> <li>• Constant voltage &amp; constant current operation</li> <li>• Digital displays for voltage &amp; current</li> <li>• Adjustable current limiter</li> <li>• Protection against overload &amp; short circuit</li> </ul>	10
24.	Digital Multimeters <b>Make:</b> Scientific Make <b>Model Number :</b> Auto ranging DMM SM7022 <b>Specifications:</b> <ul style="list-style-type: none"> <li>• <math>3\frac{3}{4}</math> digital display (4000 Counts)</li> <li>• Auto and manual range selection</li> <li>• DC, AC Voltage &amp; Current, Resistance, Capacitance</li> <li>• Diode, Continuity, Transistor hFE, Duty Cycle, Frequency</li> <li>• Temperature measurement upto 750 °C</li> <li>• Large Display LCD 1"</li> <li>• Protective Holster for safety along with the necessary accessories</li> </ul>	10
25.	Rheostats Wound type 100 Ω, 5A	10
26.	Impact Test machine <b>Specifications:</b> The equipment should be suitable for Charpy & Izod Impact tests on various materials. Works on Pendulum principle. Safety guard for the operator should be provided. Initial potential energy should- for Charpy is 300 Joules & for Izod is 170 Joules with a resolution of 0.5 Joules. Pendulum drop angle for Charpy should be 140° & for Izod is 90°. <b>Accessories:</b> Single Tooth motorised notch cutter for making 'V' notch in izod / charpy samples.	01

  
 Principal  
 Y.S.R. Engineering College  
 of Yogi Vemana University  
 PRODDATUR, Y.S.R. (Dist.)