



DEPARTMENT OF CHEMISTRY, UNIVERSITY OF KERALA

(Re – accredited by NAAC with ‘A’ Grade)

Kariavattom, Thiruvananthapuram – 695581, Phone: 0471 2308078,

Email: chem12uniker@gmail.com

Reference Number: (Provided along with each instrument)

Date: 31/01/2016

QUOTATION NOTICE

Competitive quotations are invited from various firms for the following laboratory equipments as per the specifications mentioned towards the purchase of equipments for the specific project on “Design and Development of Functional Materials for Energy Related Applications”. The quotations in the sealed covers addressed to the Professor & Head, Department of Chemistry, University of Kerala, Kariavattom, 695581 should reach the department on or before 17.02.2016, at 16.00 hrs.

List of Equipments

#	Equipments	Specifications
1	Rack Cluster Ref: DC/ST/EQ/Specific Project/Eq.3, dt: 30.01.2016	Rack Cluster with two compute nodes and Dual power supply Compute node: Minimum configuration required: 2X Intel Xeon E5-2420 v2 (Hexa core) 2.2GHz, 15 Mb Cache, 7.2GT/s QPI Turbo,16 GB memory, 300GB 15k rpm, 6Gbps SAS 3.5in.
2	Optical Metallurgical Microscope Ref: DC/ST/EQ/Specific Project/Eq.4, dt: 30.01.2016	Product type- Camera Microscope, Magnification: 1000x Head Configuration: Binocular, Eye piece: widefield, eye piece diameter : 20 mm, eye piece magnification: 10x, Image sensor: 1/2.5" CMOS, 5.0 megapixels, Cable(s): USB; Stage dimensions: 142 mm x 140 mm, Illuminator(s): 3 W LED, variable, Output: USB, HDMI, SD Card.

3	Micro Vicker's Hardness tester Ref: DC/ST/EQ/Specific Project/eq.5, dt: 30.01.2016	Minor Load: 10Kgf Major Load: 60Kgf, 100Kgf, 150Kgf Test Force Application: Dead Weight Test Force Control: Motorized Results Display: Hi Def LCD Digital Readout Resolution: 0.1HR Memory/Output: 500 Tests/USB Vertical Capacity: 8" Throat Depth: 7" Height: 28" Width: 8" Depth: 22"
4	Coating thickness gauge Ref: DC/ST/EQ/Specific Project/eq.6, dt: 30.01.2016	Measuring range: 3000PRO: 0 - 60.00 mils / 0 - 1500 μm Minimum measurement area: 5 mm x 5mm/0.2" x 0.2" Minimum substrate thickness: 0.2mm/8 mils (for F-versions); 50 μm/2 mils (for N-versions) Operating temperature: 0 °C to 50 °C (storage temperature - 20 °C to +60 °C. Surface temperature: -15° C - 60° C (standard); 15° - 150° C (w/3000-HTF) 15° - 300° C (w/3000-HTF-300C) Power supply: 2 x round cell (AA) 1.5 V up to 60 hours of operating time
5	Bath Sonicator Ref: DC/ST/EQ/Specific Project/eq.7, dt: 30.01.2016	Ultrasonic cleaning bath with a standard heater. SS tank capacity – 10L. SS tank size – 12"X10"X6". Heater power -500W. Ultrasonic power – 250W. Double Display. Digital Timer. Auto countdown for 5 min. Pulse Sweep Power for uniform distribution of ultrasonic energy. Digital temperature controller with 60°C maximum setting.
6	Universal Testing Machine Ref: DC/ST/EQ/Specific Project/eq.8, dt: 30.01.2016	Capacity 20 Ton Digital computerized Model Digital panel ,software and all standard accessories Max capacity tone 20 T 200 KN Measuring range 0-20,0-50,0-100,0-200 kn Four ranges Clearance for tensile at fully descended working piston mm 50-700 Clearance for compression at fully descended working piston mm 0-700 Clearance between columns mm 500 Ram stroke mm 750 Straining /piston speeds mm/min at no load 200 CONNECED LOAD HP.

Note: Please send separate quotations for each item with its specific reference number..

Terms and conditions:

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1. The price quoted should be for supply, installation, demonstration and testing at the University campus, Kariavattom, Trivandrum.
3. The price should be inclusive of all taxes. It should also include all incidental expenses, if any, till complete satisfactory demonstration.
3. The supplier should be fully equipped to render us after sale service during warranty and thereafter.
4. The University of Kerala reserves the right to accept or reject any or all tenders without assigning any reason thereof.

Sd/-

The Associate Professor and Head