



YOGI VEMANA UNIVERSITY

Department of Chemistry, KADAPA – 516 003, Andhra Pradesh, INDIA

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(Ref.: YVU/DEVP/KVL/SERB-DST/CHEM/Equipment/2014-15, Dated: 23rd July, 2014)

27th August, 2014

To

M/S Suppliers

Sub: Y. V. University – Department of Chemistry – SERB-DST Young Scientist project – Purchase of Minor equipment and accessories – Call for Quotations.

Ref: Registrar's permission No: YVU/DEVP/KVL/SERB-DST/CHEM/Equip,Consum,Cont, Analy & Travel & PA./Permi/IQ/2014-15, Dated: 23rd July, 2014.

Sealed quotations are invited to supply minor equipment and other accessories listed below for the SERB, DST sponsored research project. The quotations in triplicate should reach **THE REGISTRAR, YOGI VEMANA UNIVERSITY, KADAPA – 516 003** on or before **14-09-2014** through Registered post/speed post. **Kindly mention the last date and super scribe the reference number on the cover.**

Thanking you.

Sincerely,

(K. VENKATESWARLU)

Dr. K. Venkateswarlu

Assistant Professor

Department of Chemistry

YOGI VEMANA UNIVERSITY

KADAPA - 516 003.

Enclosure: List of minor equipment and required specifications is enclosed.

LIST OF MINOR EQUIPMENT AND OTHER ACCESSORIES REQUIRED

S. No	Item	Description
1.	<p>Magnetic stirrer with heating 230 V & 50 Hz (ONE NUMBERS) Model: C-MAG HS 7 IKAMAG®</p> <p>Accessories: Set spin bars, cylindrical, PTFE-coated</p>	<p>Features and specifications required: Max. speed: 1500 rpm Speed range: 100 – 1500 rpm Speed control: scale 0-6 Stirring bar length max.: 80 mm Heat output: 1000 W Hot plate temp range: 50 – 500 °C Permissible ambient temperature: 5 - 40 °C Heat control accuracy: 10 ±K No of stirring positions: 1 Stirring quantity max. per stirring position (H₂O): 10 lit Heat control: LED Fixed safety circuit: 550 °C Connection for ext. temp. sensor: ETS-D5 Control accuracy with sensor: 3 ±K Temperature constancy in medium: 3 ±K Set-up plate material: ceramic Set-up plate dimensions: 180 x 180 mm Dimensions (W x H x D): 220 x 105 x 330 mm Weight: 5 kg Permissible relative moisture: 80% Protection class according to DIN EN 60529: IP 21 Voltage: 230 V Frequency: 50 Hz Power input: 1020W</p>
2.	<p>Magnetic stirrer 240 V & 50 Hz (ONE NUMBERS) Model: big squid IKAMAG® white</p>	<p>Features and specifications required: Max. speed: 2500 rpm Speed range: 0 – 2500 rpm Speed control: 50 rpm steps Stirring bar length max.: 30 mm No of stirring positions: 1 Stirring quantity max. per stirring position (H₂O): 1.5 lit Speed display: LED</p>

	<p>Accessories: Set spin bars, cylindrical, PTFE-coated</p>	<p>Set-up plate material: glass Set-up plate dimensions: Ø 160 mm Dimensions (W x H x D): 180 x 40 x 195 mm Weight: 0.7 kg Permissible relative moisture: 80% Protection class according to DIN EN 60529: IP 54 Max. voltage: 240 V Frequency: 50 Hz Power input: 4 W DC Voltage: 12 V Current consumption: 300 mA Motor rating input: 3 W Motor rating output: 2 W</p>
3.	<p>Micropipettes Kit (ONE NUMBER) Model: Thermo Scientific Finnpiette F2 GLP-Kit-3 (10-10000 µl)</p> <p>Accessories: F-stand, F2 brochure, Laboratory Pipetting guide, Reagent Reservoir demo pack</p>	<p>Features and specifications required: Pipette capacities: 10-100 µl, 100-1000 µl and 1000-10000 µl Features of micro-pipettes: Advance Volume Gearing (AVG), Large Ergovision display, Fully Autocleavable, Fine adjustment ruler and supportive finger rest Flex Tips: 200 µl (1 x 96), 1000 µl (1 x 96) and 10 ml (1 x 24)</p>
4.	<p>Laptop (ONE NUMBER) Model: Yoga 2 13 (59-428504)</p> <p>Accessories: N700 mouse and DB80 ultra-slim DVD Burner</p>	<p>Features and specifications required: Processor: i5-42100 OS: Windows 8.1 Screen size: 13.3 inch FHD IPS MULTI-TOUCH RAM: 4GB (1*4GBDDR3L1600) HDD: Hybrid 500GB 5400RPM SSHD (8GB) Graphics: INT Color: Light Silver Warranty: 1 year onsite Webcam: 720p Audio: Dolby® Home Theatre® V4 Battery: Upto 8 hours Connectors: 1 x USB 3.0, 1 x USB 2.0, Audio Combo Jack, Micro HDMI-out and 2-in-1 (SD/MMC) card reader Carry case: Suitable for Yoga 2 13</p>

		(59-428504) model
5.	Ultra Violet Inspection Cabinet with Dual Wave Lengths (Short and Long wave lengths) (ONE NUMBER)	Specifications required: Range of short and long wave lengths: 254 nm and 365 nm Switch type: Individual for short and long wave lengths Voltage: 230 V Frequency: 50 Hz Shock proof: Fully made shock proof Supply: AC supply
6.	Fume Hood 1800 x 750 x 2400 mm ht (TWO NUMBERS)	Features and specifications required: Type: Standard floor standing model Dimension: 1800 x 750 x 2400 mm ht Air Volume Designed for full door opening: 1000 CFM Air flow type: Standard Material of construction: Cabinet: Exterior – 18 Swg. Electro Galvanized (G.I.) sheet with epoxy powder coat finish; Interior – Chemical and Heat resistant with smooth finish easy cleanable panels made of 6mm thick FRP Bottom arrangements: Cabinets, with cupboard with one horizontal partition and shutters and cupboards will be provided with branded locking arrangements and stainless steel handles Baffles: Aerodynamic shape fully made of 3 mm FRP Sash (Shutter): Single, Vertical sliding, concealed type door with counter weight, sash weights, wire etc., with 5 mm thick glass window with steel frame Exhaust Blower: In Built Type of blower: Centrifugal blower powered by 1 HP 1440 RPM TEFC – three phase Motor brand: Kirloskar/Crompton Coupling: Direct Balancing: Dynamically Duty: Exhaust Air Volume: 1000 CFM

		<p>Static Pressure: 2" W.G. Casing: Casing with FRP lining Impeller: 6 – 8 mm fully molded FRP impeller Exhaust Dust: PVC/FRP duct pipe of 200 mm dia with a length of 2 mtrs should be supplied with the system which include exhaust chimney with weather cowl, bends flanges, brackets, etc. Electrical arrangements: 2 no.s 15/5 amps 3 pin socket cum control switch, 1 no. push button starter for blower, 1 no. Illumination switch and 1 no. inducting lamp & C.E.P. Illumination: By 2 ft tube light</p>
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Note:

- Y. V. University is A. P State University – Eligible for excise duty exemption.
- Goods should be delivered at Y. V. University, KADAPA.
- Quotations should be valid for at least 3 months and price should be inclusive of all taxes.
- Please mention the mode of payment in the quotation.



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