


OFFICE OF THE PRINCIPAL, DALMIA COLLEGE, RAJGANGPUR,
JHARBEDA CAMPUS

No: 834

Date: 21.05.2022

TENDER CALL NOTICE

Sealed Tenders are invited from registered/reputed firms for the supply of different items on or before dt; 20.06.2022. Opening of Tender papers will be on 21.06.2022 (representatives of participating firms are requested to attend). For details please visit: www.dalmiacollegergp.ac.in.




Principal
Dalmia College, Rajgangpur
Principal
Dalmia College
Rajgangpur
21.05.2022
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OFFICE OF THE PRINCIPAL, DALMIA COLLEGE, RAJGANGPUR,
JHARBEDA CAMPUS

Tender Call Notice No.....835...../DC

Date:.....21.05.2022

Sealed Tenders are invited from registered manufacturer/suppliers/ dealers/reputed firms for the supply of different items under RUSA. While submitting Tenders, GST Certificate, and Authorization Certificate from manufacturer/service provider, PAN Card, Audited Financial Statement/ Income Tax Returns for the preceding 3 Financial Years are to be submitted through **Registered/Speed Post only** in a sealed cover super scribing the envelope for the particular item. Separate tenders must be submitted for separate items. Specification details of the items and terms and conditions of the supply can be had from the College website: www.dalmiacollegergp.ac.in. The authority reserves the right to accept or reject any or all the Tenders without assigning any reason thereof. The validity of Tenders shall be for one year. Last date of submission of Tender papers will be on or before dt: 20.06.2022 (5:00 PM) and date of opening of Tenders will be on dt: 21.06.2022 (3:00 PM) in the presence of representatives of quoted firms.


Principal
Dalmia College, Rajgangpur
21-05-2022


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**OFFICE OF THE PRINCIPAL, DALMIA COLLEGE, RAJGANGPUR
JHARBEDA CAMPUS**

No. 833 /DC

Date: 21.5.2022

PROCUREMENT PLAN FOR NON-CIVIL ITEMS UNDER RUSA

SL No.	Goods for service to be Procured	Make/Model of Goods or Type of service	Detailed Specifications	Quantity	Remarks
1	2	3	4	5	6
A	Computer Desktop	Assembled	<ul style="list-style-type: none"> Processor-Intel Core i5 10th Generation Intel Core. Memory-8GB DDR4 RAM Hard Disk Drive-1TB 7200 RPM Mouse- Optical Scroll with USB interfaces. Graphics- Integrated Graphics. Monitor-18.5"/19" or Large TFT/LED digital color monitor. Operating System- Windows 10 professional or Higher preloaded with Media and documentation and Certificate of Authenticity. Warranty- 3 yrs. On-site warranty with spares and service Interface-USB 2.0 & USB 3.0 Connectivity- Wireless and Bluetooth Technology. UPS-600 VA Backup Power Supply. Microprocessor control guarantees high reliability, Automatic Voltage regulator for boost and buck. 		Renowned make/Brand (Separately price must be placed)
B.	Computer Table		<ul style="list-style-type: none"> 3' x 2'.6" – MDF Compressed wood Top 		
C.	Laptop	Renowned Brand/Make	<ul style="list-style-type: none"> Processor-Intel Core i5 10th Generation Intel Core. Memory-8GB DDR4 RAM, 512 GB SSD. Graphics- Integrated Graphics Operating System- Windows 10 professional or Higher preloaded with Media and documentation and Certificate of Authenticity. Connectivity- Wireless and Bluetooth Technology. 		
D.	Computer software		<ul style="list-style-type: none"> MAT- LAB SCI- LAB and C, C++ 		
E.	Computer Printer	Renowned Brand/Make	<ul style="list-style-type: none"> Laser Jet 		

For Math Dept.
For Phy Dept.
For Phy Dept.

[Signature]
21.5.2022

F.	Refrigerator / Fridge	Renowned Brand/Make	<ul style="list-style-type: none"> • .Minimum 220 ltr Capacity • Single door, Auto defrost 		
G.	Document display Camera (OHP)	Renowned Brand/Make	<ul style="list-style-type: none"> • Full HD 1080 P resolution, built in Micro phone • 20 times zoom, LED Backlit, • HDM Port, Window Compatible 		
H.	Experiment Table	Inbuilt 16 Instrument Box(8 box each side)	<ul style="list-style-type: none"> • Granite Top • Size H x L x B – 3' x 8' x 4' 		Fiber/Aluminum Cover(Chem Dept.)
I.	Laboratory Chair	Wooden	<ul style="list-style-type: none"> • Size H x L x B – 24" x 20" x 20" with Back support 		For Chem Lab High Seating
J.	Laboratory Chair	Wooden	<ul style="list-style-type: none"> • Size H x L x B – 19" x 20" x 20" with back support 		For Bot Lab/Normal Seating
K.	Laboratory Stool	Wooden	<ul style="list-style-type: none"> • Size H x L x B- 24" x 16" x 12" 		For Bot Lab/Normal Seating
L.	Laboratory Table Lab	wooden	<ul style="list-style-type: none"> • Size H x L x B- 30" x 70" x 22" 		For Bot Dept.
M.	Instrument/ Equipment	UV spectrophotometer	Light source: - single beam. Range 200- 700 nm . Digital display, data store in computer (excel) , Quartz cuvette, absorbance and wave show in the display. All the necessary software also given for the calibration of data .		For Chem dept.
		Digital Conductivity meter:	Measurement - conductivity and temperature, five ranges 0-200 μ S/ cm ,0-2 μ S/ cm, 0-20 μ S/ cm, 0-1000 μ S/ cm, cell constant is adjustable , Platinum Dip type. Powers supply 12 V DC Adapter.		
		Magnetic Stirrer without Hot Plate	rotation can be controlled with switch , Digital display , magnetic bar ,		
		Magnetic Stirrer with Hot Plate	Rotation(rpm) and Temperature can be controlled with switch, magnet bar of different size.		
		Digital Room thermometer	Digital display , accuracy :- 0.1 degree Celsius.		
		hot air oven	stainless steel		
		Potentiometer with all accessories	Auto range:- 0 to \pm 1999mV , resolution :- 0.1mV , Accuracy:- \pm 1mv , operating temperature -10 to 45 degree Celsius. , ORP electrode, temperature probe. LED display.		

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N.	Lab Instrument/ Equipment	Stalagmometer	with stand , transparent robber horse	For Phy dept.
		Heating Mantle	(250ml) Temperature range -150-200 degree Celsius.	
		Distillation Unit	(2 liter Capacity), attached with wall, All major metal ion and organic compound can be removed from water.	
		water analysis and soil analysis kit	PH, Conductivity, Salinity, TDS , dissolve oxygen, turbidity, Temperature etc measurement . Digital display , storage upto 100 sample ,	
		Digital flame photometer	LCD display , Sensitivity 0-1000ppm , auto ignition , software calibration , Photo diode detector.	
		Vacuum Pump for filtration	All accessories Buchner funnel attachment with rubber pipe.	
		Buchner Funnel	Ceramic , fine pore	
		Chromatograph kit	Chromatography paper, Jar and lid also	
		Barometer	Temp-0-55°C, Accuracy - ±1 Mb/hPa	
		Coefficient of Viscosity of water by Capillary Flow Method (Poiseuilles method).		
Surface tension by capillary rise method				
Study the characteristics of a series RC Circuit	DC regulated power supply: 0-12V(variable), Voltmeter: 0-12V(moving coil), Galvanometer: 1-0-1 (moving coil), Resistances: 10kΩ, 15kΩ & 18kΩ , Capacitors: 1000μf, 2200μf & 4700μf , Toggle switch : 2way, Dump switch : 1no			
Determine a low resistance by a	Power supply+2VDC & standard cell+1.018VDC , Galvanometer : moving coil, Digital ammeter Resistor-3 , Carry foster bridge : with jockey ,0-20V/200m ADC			

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	<p>potentiometer</p> <p>Plot the I-D curve and to determine the refractive index of a prism</p> <p>Refractive index of the Material of a prism using sodium source</p> <p>Determine wavelength of sodium light using Newton's Rings</p> <p>To determine the temperature coefficient of resistance by platinum resistance thermometer</p> <p>Study the variation of thermo emf across two junction of a thermocouple with temperature</p> <p>Study of V-I & power curves of solar cells, and find maximum power point & efficiency</p>	<p>internal power supply.</p> <p>Trainer kit Platinum resistance thermometer Steam boiler with heating arrangement DC power supply : 2V/ 100mA Calendar and Griffith bridge with jockey Galvanometer : 30-0-30, 22 ohm Thermometer : 10°C to 150°C</p> <p>Copper-iron thermocouple & potentiometer : 10 wire, Water containing beaker : 250ml -2nos, Dc voltage :2V 4V/100mA, Dc voltmeter : 20V &200mV (switch select), Ammeter : 0-200mA, Resistance : 1Ω - 10000Ω & 1kΩ -10kΩ, Thermometer :10-100°C – 2nos, Galvanometer : 30-0-30, Stand for thermocouple with base plate,</p> <p>DC ammeter range : 0-20mA, DC voltmeter range :0-500mV, Ammeter display : analog moving coil, Voltmeter display : analog moving coil, Solar cell, Light source : 100W with intensity control, Range selector restive load : 10Ω, 22Ω, 47Ω, 56Ω, 68Ω, 82Ω, 100Ω, 150Ω, 180Ω & 1kΩ.</p>		
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	<p>Study the characteristics of a Bipolar Junction Transistor in CE configuration and draw load line.</p> <p>Determine the wavelength of laser source using diffraction of single slit and double slit OPTICAL BENCH</p> <p>To determine (1) wavelength and (2) angular spread of He-Ne laser using plane diffraction grating</p> <p>. Design a switch (NOT gate) using a transistor</p> <p>Verify and design AND, OR, NOT and XOR</p>	<p>DC supply : 0-1V/100mA(variable) & 0-10V/100mA (variable) DC voltmeter range : 0-1V & 0-10V, DC ammeter range : 0-250μA & 0-50mA, Ammeter display : analog moving coil, Voltmeter display : analog moving coil, Transistor : NPN & PNP, Interconnection : 4mm patch cord, Mains power : 230V/50Hz,</p> <p>Material : aluminum alloy, type : hexagonal section, scale : 0-100cm, least count : 1mm Diode laser - peak wave length : 635nm, operating voltage : 5V DC, Operating current : 250mA, optical power : 0.4-0.8mW Laser product : class II, operating temp. : 0-40$^{\circ}$c, Storage temperature : -10 to 50$^{\circ}$c PIN HOLE PHOTO DETECTOR Detector : silicon photocell Terminals : 4mm safety socket Aperture : 1mm, Rod : 10mm diameter</p> <p>HE-NE LASER Wavelength : 632.8nm, current : 4mA~6mA, output power : 2mW, time : 8 hrs, voltage : AC 220V \pm22V, input power : <2W OPTICAL BENCH Material : Aluminum alloy, Type : Hexagonal section, Scale : 0-100cm, Least count : 1m, Glass scale length : 15cm, Least count : 1mm DIFFRACTION SLIDE Frame size : 50mm x 50mm, Slit : width = 0.06mm, separation = 0.20mm, , Single slit : tapered, Double slit : tapered, , Circular apertures : 1.0, 0.60, 1.40, 0.30 mm nominal dia, , Hologram : 50x50mm transmission type, , Polaroids : 50x50mm linearly polarized,</p> <p>Data switch : 0-5V – 2nos, LED indication : LED (RED) : 2nos, Transistors : BC547, Resistors : 10k – 2 nos, DC supply : 5V,</p> <p>DC supply : +5V/ 1Amp, Logic input switches -4nos, LED indicators – 4nos,</p>		
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		<p>gates using NAND gates</p> <p>Study of Zeeman effect: with external magnetic field; Hyper fine splitting</p> <p>Resistivity and band gap of a given semiconductor by four probe METHOD</p> <p>Verify the Stefan's law of radiation and to determine Stefan's constant.</p> <p>Determine the Boltzmann constant using V-I characteristics of PN JUNCTION DIODE.</p> <p>Measurement of voltage, frequency, time period and phase angle using CRO.</p> <p>Determine the hall coefficient of a Semiconductor sample</p>	<p>IC7400 – 6nos.</p> <p>Ge crystal Four probe set up, Oven, constant current generator, thermometer, ammeter, voltmeter, digital panel meter, LED,</p> <p>power supply : 12V/2250Ma, DC voltmeter :0-12V DC ammeter : 0-250mA, DC bulb : 12V DC Interconnection : 4mm banana patch cord Mains power : 230V/50Hz</p> <p>Digital DC voltmeter DC power : 0-2V Digital mili ammeter Silicon diode Temperature controlled oven : 70°c</p> <p>Power supply : 0-16V DC, Constant current : 0.20mA DC, LED display, Resolution : 20mA, voltage display : 31/2 digit LED, Overload : current limiting protection, Hall effect apparatus – compact design coils – 400 turns, coil current – 4.5A , Electromagnet - coils : 500 turns. Coil current : 8.5Amp (Max.), U core : 150x130mm(L x H), 40x40mm cross section , I core : length=150mm, 40x40mm cross section,</p>		
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O.	Lab Instrument/ Equipment	Compact Bench top cooling micro centrifuge)	Core material : Ferromagnetic. Bore piece : iron with 5mm, , Digital gauss meter : 200G & 2Kg, resolution : 1G at 0- 200G, Power :220V, 50Hz AC, Hall probe : In As, GE crystal PCB – Ge wafer, P type, Crystal size -6x7x0.5mm.	For Zoo Dept
		PAGE- electrophoresis unit	The unit include buffer chamber , safety lid with cable , UV transparent get Tray and one each 1.5 mm thick , 8 and 15 well combs. Single piece tank is leak proof 7X7 cm gel can be conveniently cast in the tank itself using the casting gate provided. Spirit level is provided.	
		power supply for PAGE	input- 220 V AC , 50-60 Hz output - 0-300V @ 0-100mA Timer :- Digital Presets , Display :- Digital Volt & current Meters)	
		Binocular microscope	Achromatic objective , LED light illuminator, 4 X, 10X, 100X objective lens	
		Binocular	8 x 42 Zeiss lens.	
		Agarose Gel Eletrophoresis		
		Trans-Illuminator		
P.	Lab Instrument/ Equipment	M/200 W digital Visualizer Mlinkerstone		For BOT dept.
		Agrose Gel Electrophoresis with power supply		
		Compound microscope	Renowned Brand/ Make	
		Ganong's photometer	Size Big	

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	Farmer's Potometer	Size Big		
	T/A apparatus	Size Big		
	Wilmott's bubbler.	Size Big		
	pH meter	pH range-0-14 , accuracy-0.01pH , complete combined with electrode.		
	SSU centrifuge Machine	(8 /10 tube) (with timer)		
	Burette	100ml		
	Pipette	10ml,		
	Volumetric Flask	50 ml , 100ml		
	Chromatography Jar with lid			
	Psychrometer			
	Lux meter(digital).			
	Cup anemometer			
	Rain gauge Brass with measuring cylinder.			
	Double Ring infiltrometer			
	Light pointer			
	Soil thermometer			

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21.05.2022

Terms & Conditions

1. The rate offered must include all taxes including GST & other taxes.
2. Goods quoted shall be delivered as per specification
3. Delivery of goods shall be made in the College at own cost of the firm/Agency.
4. Delivery, maintenance and fixations charges (if any) must be shown separately in the quotation.
5. The period of Warranty or Guarantee must be mentioned in the quotation documents.
6. Firms selected for delivery shall have to supply the goods items within 30 days of placing of orders.
7. Firm/Firms must submit GST Certificate, Authorization Certificate from manufactures/Service provider, PAN Card, Audited Financial Statement and Income Tax Return for the preceding 3 financial years.
8. The last date of submission of Tender is 20.06.2022 (5.pm) and opening of Tender is 21.06.2022 (3.pm)
9. Place of opening the Tender: office chamber of the Principal, Dalmia College, Rajgangpur.
10. Decision of the College authority will be final and binding.

Rajendra Kumar
Ramesh Sahu.

Sabitra Sahu


Jogeeswar Bhow

Secured in OM

A/c Bhandari

Alok Patel.

Approved by
RUSA CO-ordinator
21.05.2022


Principal 21-05-2022
Dalmia College, Rajgangpur
Dalmia College
Rajgangpur