



राजीव गाँधी विश्वविद्यालय  
**RAJIV GANDHI UNIVERSITY**

(भारत के संसद के अधिनियम द्वारा वर्ष 2007 में स्थापित)  
(A CENTRAL UNIVERSITY ESTABLISHED IN 2007 AN ACT OF PARLIAMENT OF INDIA)

रोनो हिल्स, दोइमुख (ईटानगर)  
Rono Hills, Doimukh (Itanagar)  
दोइमुख - ७९१११२,  
Doimukh - 791112,  
अरुणाचल प्रदेश  
Arunachal Pradesh  
दूरभाष/Ph.: 0360-2277253,  
फैक्स/Fax: 0360-2277889  
ई-मेल/E-mail: registrar@rgu.ac.in  
वेबसाइट/Website: rgu.ac.in

No. RGU/PC/SERB/BKA-557/2023(Equipt)/464

Dated: 18/12/2023

**NOTICE INVITING QUOTATION**

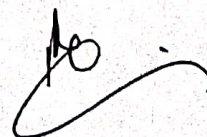
The Registrar, Rajiv Gandhi University, Rono Hills, Doimukh 791112, Arunachal Pradesh, on behalf of the President of India, invites sealed quotations on a single bid system for procurement of scientific equipments under the DST-SERB sponsored SRG project entitled "*Design and Development of Photoinduced Ligand-to-Metal Charge-Transfer (LMCT) Enabled Decarboxylative Cross-Coupling Reactions Using 3d-Transition/Rare-Earth Metals*". Last date and time of submission of quotations: 18.01.2024 (16:00 hrs.). For more details, please visit the university website [www.rgu.ac.in](http://www.rgu.ac.in).

(Dr. N. T. Rikam)  
Registrar, RGU



### Proforma for Financial Bid

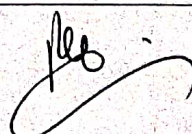
S.No.	Name of Equipment	Quantity	Rate	GST		Amount
				Rate	Amount	
1.	Elemental Water Bath	1Nos.				
2.	Kessil PR160L LED lamps with PR Controller and PR160 Standard Mounting System	LED Lamp 390 nm (2 Nos.) LED Lamp 427 nm (2 Nos.) LED Lamp 456 nm (2 Nos.) PR Controller (1 Nos.) Mounting rig (1 Nos.)				
3.	Hot Air Oven	1 Nos.				
4.	Professional Precision Balance	1 Nos.				
5.	Digital Magnetic Stirrer Hot Plate with Temperature Controller	1 Nos.				
6.	Rotary Evaporator with Chiller and Vacuum Pump	1 Nos.				





## Instruments and Specifications:

Sl. No.	Item	Quantity	Specifications
1.	Elemental Water Bath Preferred make (Borosil/Remi)	1 Nos	<ul style="list-style-type: none"> <li>Made from stainless steel.</li> <li>Perforated base plate.</li> <li>Drain tap.</li> <li>Two-point calibration</li> <li>Display resolution 0.1 °C</li> <li>Forced circulation by OHS.</li> <li>Seamless SS Deep Drawn Pan</li> <li>Microprocessor PID Control</li> <li>Small Footprint</li> <li>Built in Dry Run Protection</li> <li>Time up to 99:59 HH:MM</li> <li>Safe to touch Display.</li> <li>Nominal Capacity of 12 L or More.</li> <li>Working Temperature Range Should be Ambient plus 5 to 100 °C</li> <li>Circulation should be Quick Convection by Overhead Stirrer Circulation</li> <li>Interior dimensions should be (L X B X H) in mm: 330 x 300 x 150 or better.</li> <li>The Exterior Dimension should be (L X B X H) in mm: 395 x 340 x 415 or better.</li> <li>Power Consumption: 4 A, 230 V, 900 W</li> <li>Should come with 6 Hole or Better SS LID Assembly</li> </ul> <p><b>Warranty: Minimum one year from the date of installation.</b></p>
2.	Kessil PR160L LED lamps with PR Controller and PR160 Standard Mounting System	LED Lamp 390 nm (2 Nos.); LED Lamp 427 nm (2 Nos.); LED Lamp 456 nm (2 Nos.); PR Controller (1 Nos.); Mounting rig (1 Nos.).	<ul style="list-style-type: none"> <li>The vendor must supply the Photoreaction light with specific wavelengths: 390 nm LED Photoreaction lights (2 nos.), 427 nm LED Photoreaction lights (2 nos.), 456 nm LED Photoreaction lights (2 nos.), Standard Mounting System (Comes with rig, fan, and light-blocking shields. Does not come with the base) (1 Nos.), PR Controller (1 Nos).</li> <li>It should be easily configured for different reaction vessels (vials, test tubes, flasks, etc.).</li> <li>The lights should be easily operatable – plug and play.</li> <li>These lights must have been used for the photochemical reactions.</li> <li>Power consumption: 390nm (max 52W), 427nm (max 45W), 456nm (max 50W)</li> <li>Operating temperature: 0-40 °C.</li> <li>Easy to operate, Plug and Play.</li> <li>Optical Output: 3%</li> <li>Peak wavelength: +/-1nm, Average Intensity: 399mW/cm<sup>2</sup> (Measured from 1cm distance)</li> </ul> <p><b>Warranty: Minimum one year from the date of installation.</b></p>

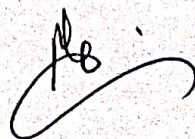




			installation.
3.	Hot Air Oven Preferred Make (LABARD/ICON/JSGW/Borosil)	1 Nos	<ul style="list-style-type: none"> <li>• The inner chamber should be stainless steel.</li> <li>• Cold rolling steel electrostatic spraying exterior.</li> <li>• Intelligent temperature controller with PID Program.</li> <li>• Low noise fan.</li> <li>• Forced air circulation for uniformity of temperature.</li> <li>• Digital timer and over-temperature protection.</li> <li>• The door with a silicon rubber seal ensures good stability.</li> <li>• To dry glass wares, evaporate chemicals, and carry out chemical reactions at elevated temperatures.</li> <li>• Temperature Range: From Ambient to 250 °C or more</li> <li>• Front Panel Note: The front panel should comprise on/off switches, heating and mains indicator lamps, temperature controllers/and a Thermostat.</li> <li>• Temperature Control: An intelligent programmable temperature controller and indicator should control the temperature inside the chamber.</li> <li>• Temperature Sensitivity (<math>\pm</math> °C) 0.5 or Better</li> <li>• Spatial Deviation Temperature <math>\pm</math> °C 0.5 or Better</li> <li>• Readability °C 0.1</li> <li>• Temperature Controller: PID</li> <li>• Display: LED/LCD</li> <li>• Automatic Temperature Setting: Yes</li> <li>• Adjustable limits: Yes</li> <li>• Standard Shelf: 2 or more</li> <li>• Chamber Size(H x W x D): 400 x 400 x 400mm or (16"x16"x16") Inches or better</li> <li>• Capacity (5pprox.) litres: 65 or more</li> <li>• Maximum Permitted load per Shelf: 25 Kg or better</li> <li>• Maximum permitted total load: 75 Kg or better</li> <li>• Nominal Power: 1250 W</li> <li>• Nominal Voltage: 220-230 Volts, 50 Hz Single Phase</li> <li>• Frequency: 50 Hz</li> <li>• Duty cycle: Continuous</li> <li>• Safety function: Temperature overshoot high &amp; low temperature alarm <math>\pm</math> 5°C with MCB</li> </ul> <p>Warranty: Minimum one year from the date of installation.</p>
4.	Professional Precision Balance (Preferred Make: Aczet/Mettler Toledo/Sartorius)	1 Nos	<ul style="list-style-type: none"> <li>• Unique and unequalled high-end weight sensor to match the highest international standards.</li> <li>• Fully Automatic motorized internal built-in weight Calibration.</li> <li>• When the ambient temperature changes by a specific value or once a defined time interval has elapsed, it should perform Internal Calibration.</li> </ul>

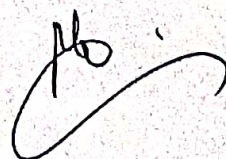


			<ul style="list-style-type: none"> <li>Capacity tracker built into display for easily monitoring possible overloads.</li> <li>Maximum Capacity: 220 gm</li> <li>Minimum load: 20 mg</li> <li>Readability: 0.001 gm</li> <li>Repeatability (sd): 0.001 gm</li> <li>Linearity (<math>\pm</math>): 0.002 gm</li> <li>Tare Range (Subtractive): -220 gm</li> <li>USP Minimum Weight: 1 gm</li> <li>Pan Size (mm): 110 <math>\varnothing</math></li> <li>Response Time: 2 – 3 Sec.</li> <li>Display: Alpha Numeric Backlite LCD Display</li> <li>Calibration: Motorised Internal Calibration</li> <li>Units of measure: gm, mg, ct, GN, mo, oz, dwt, 1T, 1H, t1S, mom, Bat, MS</li> <li>Operating Temp.: 15° to 35°C</li> <li>Sensitivity Drift. <math>\pm</math> 1ppm (<math>1 \times 10^{-6}</math> / °C)</li> <li>Interface: RS 232C Optional USB (Windows direct communication).</li> <li>Application Modes: PCS, % Weighing, Animal / Dynamic Weighing, Check Weighing, Automatic Density Determination, Formulation Automatic Statistic Calculator etc.</li> <li>Power Supply: DC Adaptor, input 100 ~ 240 0.8 A output 13V / 15.A, 50-60Hz</li> <li>Compliance: ISO, GLP / GMP &amp; USP</li> <li>Balance Size (W x D X H) mm: 342.5 x 212 x 341 / Chamber Height 158.5</li> </ul> <p><b>Warranty: Minimum one year from the date of installation.</b></p>
5.	Digital Magnetic Stirrer Hot Plate with Temperature Controller(IKA/TARSON)	1 Nos.	<ul style="list-style-type: none"> <li>Powerful motor for stirring quantities of up to 10 liter (H<sub>2</sub>O) or more</li> <li>Simultaneous display of set and actual temperatures via LCD display</li> <li>3 operating modes to choose (standard, safe, adjustment protection)</li> <li>Direct connection for a PT 1000 temperature sensor enable a precise temperature control.</li> <li>Control accuracy in medium +/- 0.5 K (in combination with PT 1000) or better</li> <li>Display of actual temperature value in medium with 0.1 K resolution using PT 1000 temperature sensor or better</li> <li>Heating Temperature range: 50°C to 500°C with step less heating controller</li> <li>Fixed safety circuit of 550 °C</li> <li>Hot Top indicator hot surface warning to prevent burns.</li> </ul>





			<ul style="list-style-type: none"> <li>• Digital error code display</li> <li>• Elevated control panel for protection against leaking liquids and ceramic heating plate.</li> <li>• Top plate dimensions should be minimum: [mm] 180 x 180</li> <li>• Protection class according to DIN EN 60529 IP 21</li> </ul> <p>Accessories included in supply.</p> <ul style="list-style-type: none"> <li>• Pt 1000 Temperature sensor x 1</li> <li>• Magnetic stirring bar, round, 20 x 8 mm x 1</li> <li>• Magnetic stirring bar, round, 30 x 8 mm x 1</li> <li>• Magnetic stirring bar, round, 40 x 8 mm x 1</li> <li>• Stand and Clamp assembly for Sensor Pt 1000</li> </ul> <p><b>Warranty: Minimum 3 years from the date of installation</b></p>
6.	Rotary Evaporator with Chiller and Vacuum Pump	1 Nos.	<ul style="list-style-type: none"> <li>• A high-quality rotary evaporator to meet the essential needs in classical Laboratory applications.</li> <li>• It should have a manually adjustable rotation speed of 20 to 280 rpm and be equipped with an action jack lift for manual lifting of the evaporating flask. Complete with vertical condenser, 1 L receiving and evaporating flasks and a vapor duct.</li> </ul> <p>Rotavapor:</p> <ul style="list-style-type: none"> <li>• Vertical condenser for standard applications with cooling surface area 1460 cm<sup>2</sup>.</li> <li>• Angle adjustable 0 – 35 °</li> <li>• Stroke distance 145 mm (+ 115 mm extendable)</li> <li>• Rotation speed 20 – 280 rpm</li> <li>• Flask size range 50 – 4000 mL can be used on the same joint adapter without additional connections.</li> <li>• Heating Power 1300 W</li> <li>• Controlled temperature range 20 – 95 °C</li> <li>• Temperature regulation accuracy ± 2 °C</li> <li>• Temperature display Digital allows adjusting set temperature and indicates actual temperature.</li> <li>• Over-temperature protection Power cut off when actual temperature exceeds set temperature or by rapid temperature increase</li> <li>• Carry handles Two integrated handles facilitate carry, re-filling and emptying the heating bath</li> <li>• All glass components should be made of Borosilicate 3.3 glass.</li> <li>• Protection class IP20</li> <li>• Approval CE</li> </ul>





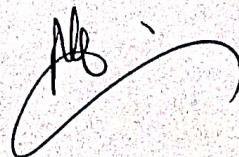
		<p><b>Vacuum Pump with Manual Controller:</b></p> <ul style="list-style-type: none"> <li>• Chemically resistant PTFE diaphragm vacuum pump with a space saving design.</li> <li>• Regulated by the Digital Controller and to be delivered with a silencer and 2 m of vacuum tubing.</li> <li>• Suction capacity: 1.5 m<sup>3</sup>/h</li> <li>• Number of steps (heads): 2 (2)</li> <li>• Final vacuum (absolute): 10 mbar (<math>\pm</math> 2 mbar)</li> <li>• Power consumption: 150 W</li> <li>• Sound level: 40 – 52 dB(A)</li> <li>• Manual Vacuum Controller with mechanical vacuum gauge</li> </ul> <p><b>Re-Circulating Chiller:</b></p> <ul style="list-style-type: none"> <li>• Environmentally friendly and compact recirculation chillers designed for Rotary evaporator.</li> <li>• Adjustable cooling temperature in the range of -10°C to 25°C</li> <li>• Cooling capacity of 530 W at 15 °C with temperature regulation accessory of <math>\pm</math>1 °C.</li> <li>• ON/OFF regulation when used in conjunction with the Interface.</li> <li>• Tank Volume: 3 L with a flow rate of 2.5 L/min and maximum pump pressure of 0.6 bar.</li> </ul> <p><b>Warranty: Minimum one year from the date of installation.</b></p>
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### Terms and Conditions

1. Bidder should have a registered operational office for at least 4 years. Documents in support of their existence, GST registration, PAN card, company registration and trading license must be submitted along with the bid.
2. Bidder should have done similar work in any Government Educational institute/University/PSUs/Govt College etc.
3. Bidder should attach a declaration on its letterhead that bidder has never been blacklisted/ debarred/ suspended in any government educational institutions/PSUs/Central or State Universities etc.
4. The quoted rates must be in net, including taxes, packaging, forwarding, freight, installation (physical only) and all other incidental charges. The price bid should be submitted as per the prescribed format of this "Notice Inviting Quotation" only. Any deviation from the prescribed format is liable to rejection.
5. Quote the Core price & Tax, Duties, Discount etc. separately. All rates quoted should be F.O.R destination (Rajiv Gandhi University, Doimukh) with breakup. Vague/Ambiguous terms like "Packing, forwarding, clearing, installation charge, etc." without mentioning the specific amount shall not be accepted. The taxes/duties/discounts, if applicable, are to be explicitly and separately shown in the quotation and under no circumstances, these components shall be added to the basic price and shown as single price. Bidders shall indicate their rates in clear/ legible figures as well as in words and should not contain overwriting.
6. Sealed quotations should be addressed to "The Registrar, Rajiv Gandhi University, Rono Hills, Doimukh-791112, Arunachal Pradesh" and should be submitted to the office of Registrar, Rajiv Gandhi University on and before 18.01.2024 (16:00 hrs.).
7. No bid shall be accepted/ received after the due date and time.
8. The sealed quotation envelope should be superscribed as:  
....., Quotation for equipment under the project  
**"Design and Development of Photoinduced Ligand-to-Metal Charge-Transfer (LMCT) Enabled Decarboxylative Cross-Coupling Reactions Using 3d-Transition/Rare-Earth Metals"**
9. The bidder should quote the products strictly as per the tendered specifications. No deviations in the specifications of the items would be accepted. Quotations not adhering to the specifications will outrightly be rejected.
10. **GST/IGST/IT:** -The firms must submit the GST registration Certificate indicated also the TIN number of the firm. The vendor must also attach a copy of the PAN number, Bank account Number, IFSC Code, bank name and branch to deduct the TDS and other taxes as applicable from the bills as per the instructions of the Government.
11. **Late and delayed tender:-** Late and delayed tender will not be considered. In case any unscheduled holiday occurs on the prescribed closing/opening date the next working day shall be the prescribed date of closing/opening.
12. The equipment and its components under the purchase order, when installed, shall be warranted for the quality, workmanship, trouble free operation and performance for a period of at least 1 year from the date of putting the system into operation at Rajiv Gandhi University, If any item covered under warranty fails, the same shall be replaced free of cost including all the applicable charges including shipping cost both ways.





13. All the quotations must be supported by the printed technical leaflet/ literature and the specifications mentioned in the quotation must be reflected/ supported by such printed technical leaflet/literature. For easy reference, the model and specification quoted should invariably be highlighted in the leaflet/literature.

14. Dealers or agents quoting on behalf of the Manufacturer must enclose valid dealership certificate.

15. The offers received via telex / tele-fax / e-mail will not be accepted by the University under any circumstances.

16. The University shall not be responsible for any delay/loss or non-receipt of tenders by post / courier service.

17. The bid should be accompanied by a DD/FDR/BG for an amount equivalent to 5% of the total amount quoted as Earnest Money Deposit (EMO) drawn in favor of the **Registrar, Rajiv Gandhi University, payable at Itanagar/ Naharlagun/ Doimukh**. However Micro and Small Enterprises (MSEs) registered under MSME are exempted from submission of EMO / Bid security.

18. The rates quoted should be valid for a period of 1 (One) year.

19. No unsolicited correspondence shall be entertained after the submission of the offer. The bidders shall make no enquiry during the course of evaluation of the tender until a final decision is conveyed to the successful bidder. However, the purchase committee or its authorized representative can make any enquiry/seek clarification from the bidders. In such a situation, the agency shall extend full cooperation. The bidders may also be asked to arrange a demonstration of the offered items, in a short notice, as such the bidders must be ready for the same.

20. The items should be delivered within 30 (thirty) days from the date of issue of purchase order. All aspects of safe delivery shall be the exclusive responsibility of the vendor. For sophisticated equipment, the package will be opened only in the presence of University representative and vendor's representative. The intact condition of package and the seal/indicators for not being tampered with shall form the basis for certifying the receipt in good condition.

21. Part delivery is not allowed.

22. Safe delivery of the goods is the exclusive responsibility of the vendor.

23. Acceptance of the ordered goods is subject to successful installation and commissioning at our site.

24. All the terms and conditions mentioned herein must be strictly adhered to by all the vendors. Conditional tenders shall not be accepted on any ground and shall be rejected straightway. Printed conditions mentioned in the tender bids submitted by vendors will not be binding on the University.

25. Late and delayed tender will not be considered. In case any unscheduled holiday occurs on the prescribed closing/opening date, the next working day shall be the prescribed date of closing/ opening.

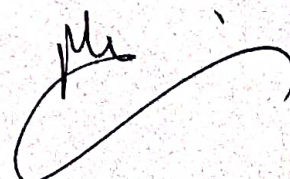
26. Additional terms and conditions will be incorporated in the purchase order, if needed, to safeguard the interests of the University.

27. Tender is not transferable.

28. Extra charge for installation & demonstration shall not be paid by Rajiv Gandhi University.

29. The rates/amounts should be indicated in both figures and words. The rates and units shall not be overwritten. All corrections must be signed in full by the firms.

30. In case of any dispute in respect of the tender, all legal matters shall be instituted within the jurisdiction of the place where the purchaser ordinarily resides.





31. The University may terminate the bid/ supply order in whole / part and forfeit the Bid Security/ EMO in case the supplier/ vendor fails to meet the terms and conditions.
32. Incomplete proposals and quotations received after the due date shall not be entertained.
33. A self-attested copy of valid Dealership Certificate, certificate of GST No., PAN No., and Trading License must be enclosed along with the tender.
34. No payment will be made for an unsatisfactory supply.
35. Any offer containing incorrect and incomplete information shall be liable for rejection.
36. Rajiv Gandhi University, Doimukh reserves the right to accept/ reject any offer in full or in part or accept any offer other than the lowest offer without assigning any reason thereof.

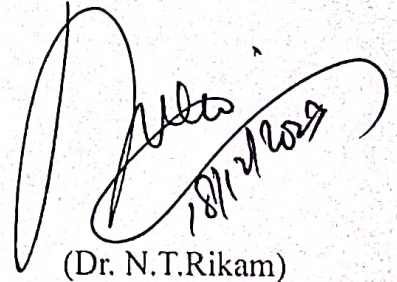
**Note: The Last Date and Time of receipt of quotation: 18.01.2024 (16:00 hrs.)**

Memo No. RGU/PC/SERB/BKA-557/2023(Equipt) /464

Dated: 19<sup>th</sup> December, 2023

Copy:

1. PS to VC for kind information.
2. PS to Registrar for kind information.
3. PS to Finance officer for kind information.
4. Joint Director, Computer Centre for information with a request to upload the same in the University website [www.rgu.ac.in](http://www.rgu.ac.in).
5. Dr. Bharat Kumar Allam, PI of the project for information.
6. Office copy



(Dr. N.T. Rikam)  
Registrar, RGU