



**PG DEPARTMENT OF PHYSICS
BERHAMPUR UNIVERSITY, GANJAM-760007**

Dated: 25 /07/2023

**Advertisement for the Post of Junior Research Fellow Sponsored by SERB, DST Govt. of India
Sanction Order No: EEQ/2022/000147**

P.G DEPARTMENT OF PHYSICS, BERHAMPUR UNIVERSITY, BERHAMPUR-7, ODISHA

Adv. /Tender. No. 01/ EEQ/SERB/PHY/BU/ 2023

Date: 25/07/2023

- 1) Applications are invited for recruitment of **Junior Research Fellow** for SERB project entitled “Facile Synthesis of Multi-functional Silver Chalcogenides Quantum Dots and their Promising Biosensing Application “sponsored by SERB,DST, Govt. of India. The details are available at www.buodisha.edu.in. The last date of receiving the application is dated: 22 /08/2023.
- 2) Sealed quotations are invited from qualified & registered suppliers for the supply of various equipment for SERB Project, DST, Govt. of India. The tender details are available at PI, SERB Project, P.G. Dept. of Physics, Berhampur University. The last date of receiving tender/quotation is dated 22 /08/2023 by **2.30 pm**.

**Sd/-
P.I. SERB Project**

ADVERTISEMENT DETAILS

Applications are invited for the position of Junior Research Fellow (one post) in SERB project, DST, Govt.of India. The details of the project are as follows:

Name of the Project	Facile Synthesis of Multi-functional Silver Chalcogenides Quantum Dots and their Promising Biosensing Application
Principal Investigator	Dr. Kusha Kumar Naik, Asst. Professor, Department of Physics, Berhampur University, Bhanjabihar, Ganjam, Odisha- 760007; Email: kushakumarnaik08@gmail.com Phone: 9778120843
Qualification	Candidates should be M. Sc. in Physics/BE in relevant subject. Preferable NET/GATE score. Candidate should have Simulation (Software) knowledge. The candidate is expected to complete PhD as per norms.
Fellowship	Rs.31, 000/ per month for 02 years and Rs.34, 000/ for 01 year.
Nature and duration of post	The position is purely temporary and co-terminus with the project, which is sanctioned for maximum period of three (03) years.



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Application Procedure and Last date of receiving applications	Interested candidates are requested to send their application as per the format given with this advertisement along with detailed Bio-data and self-attested copies of educational qualifications, age proof, experience certificate(s), GATE/NET certificate and valid caste certificate (if applicable) should reach to the Principle Investigator by Email (kushakumarnaik08@gmail.com) or Speed Post on or before dated 22/08/2023.
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Note: • Candidates will be shortlisted for the interview based on merit/profile. • Candidates shortlisted for interview should appear in person with original degree certificates (one set of Xerox Copy), and date of birth proof along with other relevant information (like copies of publications, awards, recommendations etc.). • No travelling or any other allowances is admissible for attending the interview. • Candidates will not be considered in absentia.

Copy to:

- 1: Webmaster Berhampur University
- 2: R&D, Berhampur University
- 3: Registrar, Berhampur University
- 4: Secretary to Vice-Chancellor, Berhampur University
- 5: Oriya Prameya News Paper



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Project Title: Facile Synthesis of Multi-functional Silver Chalcogenides Quantum Dots and their Promising Biosensing Application

APPLICATION FORM

1: Name (In Block Letter)

2: Date of Birth (In DD/MM/YY)

3: Address details

Address for Communication:	Permanent Address:
Phone No:	Phone No:
Email:	Email:

4. Details of University/ Institution Studied (10th onwards):

Degree / Examination Passed	Subjects/Area of specialization	Institution	Year of Passing	% Marks/CGPA Class

5. Additional Qualifying Examination(s) Passed:

NET details:

GATE details:

Other details

6. Experience

Name of the Organization	Designation	Period	Nature of Work

7. Research Publications (if any):

8. Personal Information:

A	Nationality	
B	Gender	
C	Marital status	
D	Father's/Spouse's Name	
E	Whether person with disability: Yes/No	

9. Mailing information:

By Speed Post or Email (in PDF format) to Dr. Kusha Kumar Naik, Asst. Professor, PG Department of Physics, Berhampur University, Bhanja Bihar, Ganjam, Odisha-760007; Email: kushakumarnaik08@gmail.com; Phone: 9778120843

Note: Incomplete applications will not be considered. : Mention in the subject line “Application for the post of “Junior Research Fellow”).

10: DECLARATION:

I hereby declare that I have carefully read the instructions and particulars supplied to me and that the entries made in this application form are correct to the best of my knowledge and belief.

Place:

Signature of the Applicant

Date:

Tender Details

TENDER CALL NOTICE NO.	No-01/EMQ/SERB?PHY/BU/2023
LAST DATE OF SUBMISSION	On or before 2.30 pm of dated 22/08/2023
TERMS AND CONDITIONS	
1.	The tenderer must be a Registered dealer under VAT Act.
2.	The tender/quotations must be clearly written or typed without any cancellation/correction/overwriting.
3.	The Tender Form with terms and conditions must be submitted with seal and signature.
4.	The rate should be quoted for the specified items only.
5.	The tenderer should not quote any other specification, which differs from the specification given.
6.	The rate should remain valid up to 26.08.2023
7.	The tenderer must be a manufacturer or direct agent /dealer of the manufacturer.
8.	The rate should be F.O.R Berhampur University basis and inclusive of all Govt. Levies, taxes etc.
9.	The rate should be inclusive of packing and forwarding charges, insurance and other incidental charges.
10.	Prices coated must be in Indian rupee only and in case of foreign equipment the tenderer may quote in foreign currency.
11.	In case of foreign equipment, the address of principals/manufacturers and their banker's details should be furnished. In case the tenderer is an Indian agent of the foreign manufacturer, he has to submit authentic certificate of the manufacturer. Also the tenderer has to take all responsibility to deliver and demonstrate the instrument at the department of Chemistry, Berhampur University and the tenderer has to quote accordingly.
12.	Deliver period of the each item should be mentioned. Ex -stock delivery will be preferred.
13.	If the delivery is not made as per agreed terms and condition by the bidder, the purchaser will have the right to procure the goods from alternatives as he may think fit and can claim the difference in rates and all related expenses, if any form the bidder and in such a case the amount deposited as EMD will be forfeited.
14.	The Registrar of the University will be the final authority and his decision will be binding, in case of any dispute or complaint arising from or tender or any part of thereof.
15.	The EMD of successful bidder will be returned only after supply and satisfactory installation of the items.
16.	The payment will be released after receipt of consignment in Good condition & satisfactory installation, commissioning, training hereof (wherever required)
17.	All disputes pertaining to this tender are subject to exclusive jurisdiction of competent court in Berhampur / Orissa High Court only.
18.	Details of onsite warranty, agency that shall maintain warranty & under take AMC / Comprehensive Service Maintenance contract beyond warranty shall be given in the offer. In case of foreign quote the Indian agent who shall remain warranty and AMC beyond warranty and AMC shall be given in the offer. Name, address, contact person and phone/fax number/ Email id etc. Of such firm may also be indicated clearly.
19.	The items should be supplied with manuals and the manuals including technical drawings should complete in all respect to operate the system without any problem.
20.	The supply of spare parts is to be guaranteed at least for a period of 10 years after supply of the equipment.
21.	Indicate the names of the customer where similar equipment was supplied and may attach the satisfactory performance report.
22.	The tenderer has to state in details the Electrical power/UPS/stabilizer requirements, room foundation needed and also to state whether Air Conditioned environment is needed to house the system etc. & to run the tests i.e. pre installation facilities required for installation in the offer.
23.	The form must submit Xerox copy of valid sales tax clearance certificate otherwise the tender cannot be accepted.
24.	The tenderer is required to furnish the permanent Account Number (PAN) allotted by the Income Tax Department and should supply as per the letter no. Notification No. 45/2017-Central Tax (Rate) New Delhi, the 14th November, 2017, Government of India, Ministry of finance (Department of revenue).
25.	The tenderer must submit an authentic certificate from the manufacturer indicating that it is a

	manufacturing firm or an authorized dealer/direct agent of the manufacturer. In case of indigenous instruments the authorization certificate should be issued by the manufacturers in favor of <i>Principal Investigator, SERB Project, PG Dept. of Physics, Berhampur University.</i>
26.	Attach Xerox copies of previous record of execution of orders.
27.	The tenderer has to give undertaking for providing warranty for a period of 12 months from the date of installation and to provide After Sales Service (Within 72 hours of receiving the complaint).
28.	Tender form incomplete in any respect is liable for rejection.
29.	<i>The PI, SERB Project, PG Dept. of Physics, Berhampur University reserves all the rights to accept or reject any/all tender in full or in part without assigning any reason.</i>

I have read the terms and conditions of the tender mentioned above and agree to abide by the same.

Date: *Signature of tenderer*
With seal

Principal Investigator
SERB Project
PG Dept. of Physics
Berhampur University

		<ul style="list-style-type: none"> ▪ Spiral with 99.95 purity 	
03	Digital Hot Air Oven	<ul style="list-style-type: none"> ▪ Temperature, range: 50-250 Degree Celsius ▪ Air flow direction; Horizontal ▪ Display: Digital ▪ Material: Inside SS , outside powder coated ▪ Capacity: 50 to 500 litre 	01
04	Digital magnetic starrer with hot-plate	<ul style="list-style-type: none"> ▪ Type : Digital Hot Plate ▪ Voltage :240V AC ▪ Temperature Control Range : 50° C - 500° C ▪ Features :Material - Ceramic, Max Load - 11 Kg, Top Plate - 18x18 cm ▪ Dimensions (mm) :32x24x12 cm 	02
05	Pipette	<ul style="list-style-type: none"> ▪ Range : 1-10 µl, 5-50 µl and 10-100 µl ▪ Inaccuracy: ±0.120, ±0.50 and ±0.80 ▪ Imprecision : 0.080, 0.20 and 0.30 	03
06	Pressing Machine	<ul style="list-style-type: none"> ▪ Length of Press Rocker: 250mm ▪ Pressure Gauge: 200 bar ▪ Max Lifting Height of Bottom Cylinder:13 mm ▪ Dimensions of Machine & Working Space: 330mm(L) x 190mm(W) x 410mm(H) and D1: 120mm D2: 70mm D3: 124mm H1: 180mm H2: 155mm 	01
07	Ultrasonicator	<ul style="list-style-type: none"> ▪ Capacity: 5 L ▪ Display Mode: Digital ▪ Body Material: Stainless steel ▪ Max. Temperature: upto 60 deg C ▪ Ultrasonic Frequency: 40 kHz ▪ Power : 150W ▪ Current Type : 220-240 V / 50 Hz 	01
08	Digital Analytical Balance	<ul style="list-style-type: none"> ▪ Capacity (Gram): 220 ▪ Response Time: Approx 3.0 sec ▪ Repeatability : Less than or equal to 0.1 mg ▪ Linearity: +- 0.2 mg ▪ Automation Grade:Automatic ▪ Minimum display:0.1 mg ▪ Power:12 V, 1 A 	01
09	Autoclave	<ul style="list-style-type: none"> ▪ Size: 50 ml, 100 ml and 150 ml ▪ Working temperature: 260 C ▪ Working Pressure: 3MPa or 30 Bar ▪ Heating and Cooling Rate: 5C/min 	03

		<ul style="list-style-type: none"> ▪ Material: Shell made of high-quality nonmagnetic 304 stainless steel 	
10	Centrifuge Rotor	<ul style="list-style-type: none"> ▪ Material: Carbon Fiber Composite ▪ Type: Fixed Angle Rotor ▪ Capacity:14 x 50 mL ▪ Max. RCF:33,746 x g ▪ Max. Speed:14,000 rpm ▪ Radius (Metric):154 mm ▪ Radius (Metric) Min. 83 mm ▪ K Factor:798 ▪ Max. Tube Length:115 mm ▪ Max. Tube Diameter: 29 mm ▪ Angle 34° 	01