

West Bengal Biotech Development Corporation Ltd.

Invitation of Expression of Interest
from

Research Institutions / Scientific Academic Organizations / Departments of Universities
in the fields of Biology, Biotechnology and Medical Sciences in West Bengal
for participation in
Research Internships in Biotechnological based Sciences and Engineering -
RISE Programme
2024-2025



Department of Science & Technology and Biotechnology
Government of West Bengal

Vigyan Chetana Bhavan
26/B DD Block, Sector I, Salt Lake, Kolkata-700064

February 2024

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Abbreviation at a glance	
CSIR	Council of Scientific & Industrial Research
DBT, GoI	Department of Biotechnology, Government of India
DDO	Drawing and Disbursing Officer
DST, GoI	Department of Science and Technology, Government of India
DSTBT	Department of Science & Technology and Biotechnology
EOI	Expression of Interest
GoWB	Government of West Bengal
GST	Goods and Services Tax
IFSC	Indian Financial System Code
PAN	Permanent Account Number
PSU	Public Sector Undertaking
RISE	Research Internship in Biotechnology based - Sciences and Engineering
ToR	Terms of Reference

Synopsis:

RISE (Research Internship in Biotechnology based - Sciences and Engineering) is a research internship programme conducted by the Department of Science & Technology and Biotechnology of the Government of West Bengal (DSTBT, GoWB) for Post Graduate (final year) students to encourage them to consider Life Science (any basic and applied stream including Bioinformatics) or Medical Science based research and innovation as a career option.

The DSTBT, GoWB invites Expression of Interest (EOI) through the West Bengal Biotech Development Corporation Ltd. (WBBDC), from Research Institutions, Scientific/ Academic Organizations and Departments of Universities with proven record of excellence in research and with profound contributions in the areas of Life Sciences or Medical Sciences in the fields of Biology, Biotechnology and Medical Sciences in West Bengal to participate in the RISE Programme 2024-25 that, inter alia, seeks to provide 2-3 month hands-on trainings on high-end instruments and techniques to the Post Graduate students (Final Year) from any Life Science or Medical Science stream. For each student accepted for training, the supervisor will be provided a research contingency grant and the student/intern will get a fellowship. The Department intends to implement this program after identifying, through EOI, organisations with proven record of excellence in research and with profound contributions in the areas of Life Sciences or Medical Sciences that are willing to be the Partner Organisations to provide training.

The EOI Document containing the details of the programme, submission requirement, brief objective & scope of work, evaluation criteria etc. can be downloaded from **www.dstbt.bangla.gov.in/vigyansathi**. Additional details, if any, may be obtained from the Managing Director, West Bengal Biotech Development Corporation Ltd., Department of Science & Technology and Biotechnology, Government of West Bengal, Vigyan Chetana Bhavan, 26/B DD Block, Sector I, Salt Lake, Kolkata-700064 up to **20.03.2024** till **03.00 PM**. The last date for submission of EOI is **26.03.2024** till **03.00 PM**.

The EOI along with all necessary annexures is to be submitted in an envelope with the label **“EOI for participation in the RISE Programme 2024-25”** to the **Managing Director, West Bengal Biotech Development Corporation Ltd., Department of Science & Technology and Biotechnology, Government of West Bengal, Vigyan Chetana Bhavan, 26/B DD Block, Sector I, Salt Lake, Kolkata-700064**. Applicants may be invited to an interactive session with the Selection Committee of DSTBT, GoWB before finalization of the training institutions. The Department reserves the right to cancel this request for EOI and invite EOI afresh, with or without amendments, without any liability or any obligation for such request for EOI and without assigning any reason. Information provided at this stage is indicative and DSTBT, GoWB reserves the right to amend/add further details at final stage of selection.

Important dates:

- Date of publication of Newspaper Advertisement : 16.02.2024 & 12.03.2024
- Initial date of downloading EOI document : 16.02.2024
- Initial date of submission of EOI : 19.02.2024
- Final date of submission of EOI : 03.00 PM of 26.03.2024

Information in detail

1. Objectives of the RISE Programme:

- To encourage the Post Graduate students towards higher research in Life Sciences or Medical Sciences.
- To provide research facility and industry standard hands-on trainings on high-end instruments and techniques in the form of two to three months projects to Final Year Post Graduate students from any Life Science or Medical Science stream.
- Hands-on learning the operations of high-end instruments, the techniques and their applicability and to analyse the data through statistical or allied software.
- To enhance the skill of the students to write scientific publications for better acceptability in reputed scientific journals.
- To make them laboratory ready, either for their targeted research career or for better acceptability to the industry.

2. Background:

The Department of Science & Technology and Biotechnology of the Government of West Bengal (DSTBT, GoWB) is mandated to promote, inter alia, basic and translational research in the areas of Biological Sciences and Biotechnology. RISE (Research Internship in Biotechnology based - Sciences and Engineering) is a 2-3 month research internship programme, conducted by the DSTBT, GoWB, to encourage talented students to consider Life Science (any basic and applied stream including Bioinformatics) or Medical Science based research and innovation as a career option. It is a two to three month training programme for the students pursuing Post Graduate (final year) in any Life Science and Medical Science stream, targeted to strengthen their hands-on experiences and operational skills with the high-end instruments.

3. Objectives of the EOI:

- a) To identify the Partner Organisations to conduct the RISE training programmes.
- b) To prepare the Supervisors' panel who will provide trainings at their own laboratories.
- c) To prepare the list of techniques and the instruments to be trained on.

4. Roles & Responsibilities and Terms of Reference (ToR):

- a) To provide hands-on training to the students for understanding the operations of the high-end instruments.
- b) To train the students with techniques associated with the above instruments for understanding their applicability.
- c) To teach the students analysing the data through relevant software with subsequent interpretation.
- d) To assist the students in developing skills and ability to write project reports, scientific publications etc. for better acceptability by R & D institutions and reputed scientific journals.

- e) To make the students laboratory ready, either for their targeted research career or for better acceptability to the industry.
- f) Students may attend other labs also, if required for the fulfilment of their project objectives, but the assigned Supervisors will be the sole authority for their projects.
- g) Post-project guidance to the students for betterment of their career.
- h) Please note that the RISE Programme intends to develop advanced skills in students who generally don't have access to operate instruments by themselves, despite it being within their academic curriculum or beyond their curriculum. Students have to be allowed to operate the instruments and run experiments themselves (in presence of the Supervisors/ Technicians).

5. Expected Deliverables: The programme intends to provide exposure to the students to the larger arena of scientific research in the areas of Biological Sciences and Biotechnology to enable them to find better career opportunities and to make the students laboratory ready, either for their targeted research career or for better acceptability to the industry. The following documentation would be mandatory:

- A letter of joining of the student(s) is to be issued by the Supervisors, duly forwarded by the competent authorities of the Institutes.
- A Project Completion Certificate to every student is to be issued by the concerned Institute. Project Reports are to be duly authorised by the respective Supervisors and forwarded by the competent authorities of the Institutes.
- Submission of Audited Utilisation Certificates for the contingency grants by the Supervisors through proper channel after completion of the projects within the same financial year.

6. Financial support: RISE programme involves sanctioning a grant of upto Rs. 1.0 lakh per student, of which,

- Upto Rs. 75,000/- is the contingency grant, allotted to each supervisor (through institutional finance system/DDO) for purchasing consumables, chemicals and maintenance of the instruments used for the training programme. This contingency grant will be disbursed to the institutes as soon as the selected candidates join the lab and initiate the project. A letter of joining of the student(s) has to be issued by the Supervisors, duly forwarded by the competent authorities of the Institutes.
- A sum of Rs. 25,000/- is allotted for the students in the form of fellowship of Rs. 10,000/- for 2 months and Rs. 5,000/- for miscellaneous costs. This 25,000/- rupees will be deposited directly to the accounts of the students after submission of Project Completion Certificate by the institute and Project Report.

7. Time Frame:

- RISE 2024-25 projects must be completed by the students by the end of January 2025 or within 8 months from the publication of the Panel of Selected Students in the website www.dstbt.bangla.gov.in, whichever is later. Completion of project means submission of Project Report along with the Project Completion Certificate.

- Audited Utilisation Certificates for the contingency grants must be submitted by the Supervisors within one month of completion of the projects of all the students under his supervision, i.e. by the end of February 2025.

8. EOI Processing Fees: The EOI processing fee is NIL.

9. Validity of Offer: One month from the date of publication of advertisement in the newspaper.

10. Instructions for application:

The documents stated below are to be submitted by the Head of the Institution or the Department (for the Universities) (not by the individual Supervisor) in duly signed hard copy along with all supporting documents and Annexures, to the Managing Director, West Bengal Biotech Development Corporation Ltd., Vigyan Chetana Bhavan, 26/B DD Block, Sector-I, Salt Lake, Kolkata-700064 and one complete scanned copy of the same (in a single PDF file within 18 Mb) to be emailed to dstbt.rise.2024@gmail.com :

- a) Applicant's Letter showing Expression of Interest.
- b) Organizational and Technical details as per Proforma.

11. Evaluation Criteria and Method of Evaluation:

- In principle, any Research Institute, Scientific Academic Organization and Department of University in the fields of Biology, Biotechnology and Medical Sciences in West Bengal is welcome to participate. However, the final selection of the Partner Organisations and the supervisors will be based, inter alia, on strength of the laboratory assets and instruments, the proven excellence in scientific research in bio-sciences, current relevance of the area of research of the supervisors, experience in conducting scientific research in bio-sciences, linkages with various National and International institutions, Industry linkages, prior experience of conducting similar kind of training programmes.
- Expert Committee will review the applications and recommend a shortlist of Institution and the Supervisors.
- Condition under which EOI is issued: The EOI is not an offer and is issued with no commitment. DSTBT, GoWB reserves the right to withdraw EOI and or vary any part thereof at any stage. DSTBT, GoWB further reserves the right to disqualify any applicant, should it be so necessary at any stage.

12. Last date of submission of EOI: The last date of submission of EOI is **26.03.2024** till **03.00 PM**.

Please note: EOI Documents can be downloaded from the website www.dstbt.bangla.gov.in/vigyansathi. The applicants are expected to examine the detailed information, Terms of Reference and other details in the EOI document carefully. Failure to furnish complete information as mentioned in the EOI document or submission of a proposal not substantially responsive to the EOI documents in every respect, may result in rejection of the proposal.

APPLICANT'S LETTER SHOWING EXPRESSION OF INTEREST

(Note: This is to be printed on the letterhead of the Organization)

To
The Managing Director
West Bengal Biotech Development Corporation Ltd.
Department of Science & Technology and Biotechnology
Government of West Bengal
Vigyan Chetana Bhavan, 26/B DD Block,
Sector I, Salt Lake, Kolkata-700064.

Sub: Submission of Expression of Interest for participation in the **RISE Programme 2024-25**

Sir,

In response to the Invitation for Expression of Interest (EOI) published on 16.02.2024 for the above purpose, I would like to express interest to participate in the RISE Programme 2024-25 as a Training Partner. I am hereby attaching the filled up Application Proforma with Organizational and Technical details (along with all supporting documents and Annexures) and one complete scanned copy of the same (in a single PDF file within 18 MB) has been emailed to **dstbt.rise.2024@gmail.com**.

Declaration: I do hereby declare that, if my Organisation becomes the training partner for the RISE Programme 2024-25:

- I shall abide by the Terms of References of the RISE Programme 2024-25, as mentioned in the EOI.
- I shall not use the allotted Contingency Grant or any part of it for any purpose other than the RISE Programme 2024-25.
- I shall submit the audited Utilization Certificate of the RISE Programme 2024-25 to the West Bengal Biotech Development Corporation Ltd. within stipulated time frame, as mentioned in the EOI.

I do hereby declare that all the information given in the documents, enclosed herewith, are true to the best of my knowledge and belief and nothing has been concealed therein.

Thanking you,

Sincerely Yours

Enclosure: As stated.

Date:

Place:

Signature of the
Head of the Organisation
(Full name of applicant)
(With Seal)

APPLICATION PROFORMA

A. Organizational Details		
1	Name of the Organization	
2	Year of Establishment	
3	Address of the Organization	
4	Official telephone no. and e-mail ID	
5	Name of the Head of the Organisation	
6	Email ID and mobile no. of the Head of the Organisation	
7	Affiliation of the Organisation (DBT, Gol; DST, Gol; CSIR etc.)	
8	Recognition/ranking at State/National/ International level (if any)	
9	Type of Organization (Research Institute / Scientific Academic Institution / University Department)	
10	Activity network (at State/National/ and/or International level) (Please Annexe separately, if required)	
11	Number of industries working/linked with (Please mention the names)	
12	Capacity building programs of similar kind already conducted (Please mention the number and Programme titles) (Please Annexe separately, if required)	
13	Bank account details (for receiving the contingency grants, if approved) Bank name: A/c holder's name: A/c no.: IFSC: Mobile no. (linked with Bank A/c):	
14	PAN of the Organisation (if available)	
15	GST no. of the Organisation (if available)	
16	Whether the organisation has been blacklisted by any Central Govt./State Govt./PSU/Govt. Bodies/Autonomous Body? If yes, details thereof.	

B. Technical Details (Supervisor and Technique/other details)					
Sl. no.	Name of the Supervisors (with designation)	Details of the Supervisors	Techniques/protocols to be trained on	Instruments to be used (already available in the Institute)	Capacity of students to train at a time
Example 1	ABC	Department: Area of Expertise: Email ID: Mobile No.: Brief Curriculum vitae (to be attached as Annexure)	Cell imaging	Fluorescence Microscope	2
				Confocal Microscope	
				Animal Culture Facility	
				FACS	
			DNA sequencing	Next-Gen Sequencer	
				Sanger Sequencer	
Example 2	XYZ	Department: Area of Expertise: Email ID: Mobile No.: Brief Curriculum vitae (to be attached as Annexure)	Molecular Cloning	HPLC	8
				FPLC	
				RT-PCR	
				UV-Vis	
			Mass spectrometry	HR-MS	
				GC-MS	
				ESI	
				LC-MS	
				MALDI-TOF MS	
1					
2					
3					
5					
6					