



जीव विज्ञान संस्थान  
**INSTITUTE OF LIFE SCIENCES**  
(An Autonomous Institute of the Department of Biotechnology, Govt. of India)



No. VI-184-PJ/2021-22/ 2187 /ILS

Dated: 07.12.2023

**EXPRESSION OF INTEREST (EOI)**

1. On behalf of the Director, Institute of Life Sciences (ILS), Bhubaneswar, "Expression of Interest" is invited from reputed and interested firms/service providers/companies to provide **SERVICE FOR SPATIAL TRANSCRIPTOMIC ANALYSIS OF HUMAN SAMPLES.**
2. Agencies/service providers interested in participating may visit our website ([www.ils.res.in](http://www.ils.res.in)) for details.

**3. EIO details**

Name of the work	Invitation of Expression of Interest (EOI) from reputed and interested firms/service providers/ companies for providing "SERVICE FOR SPATIAL TRANSCRIPTOMIC ANALYSIS OF HUMAN SAMPLES."
Address	Institute of Life Sciences, Nalco Square, Bhubaneswar-751023
Place of submission of EOI	The EOI is to be submitted by email to <a href="mailto:ao@ils.res.in">ao@ils.res.in</a>
Location	Institute of Life Sciences, Nalco Square, Bhubaneswar-751023
Last date for submission of EOI	13.12.2023 (2:00 PM)
Date & time of opening of EOI	14.12.2023 (5:00 PM)
Processing Fee	Rs. 1500/- (non-refundable) to be paid through ONLINE mode by the link below: <b>Axis Bank Easy Pay</b> Link: <a href="https://easypay.axisbank.co.in/easyPay/makePayment?mid=NDIwODY=">https://easypay.axisbank.co.in/easyPay/makePayment?mid=NDIwODY=</a> Please attach the proof of payment along with the application.
Contact person for Clarifications:	
1. Administrative: Dr. D. Pradhan, Ph: 0674 2304348, email: <a href="mailto:ao@ils.res.in">ao@ils.res.in</a>	
2. Technical: Dr. S.K. Raghav, Ph: 0674 2304310, email: <a href="mailto:sunilraghav@ils.res.in">sunilraghav@ils.res.in</a>	



#### 4. (A) Scope of Work:

The Director, Institute of Life Sciences, Bhubaneswar, invites Expression of Interest (EOI) from reputed and interested firms/manufacturers/companies for providing "**SERVICE FOR SPATIAL TRANSCRIPTOMIC ANALYSIS OF HUMAN SAMPLES.**" Service providers should have experience providing similar services for spatial transcriptome to the clients (scientific research organizations, government academic institutes, and private organizations).

##### **The broad scope of work will include the following:**

1. Spatial Whole Transcriptome analysis of Human samples
2. Probing of the FFPE slide for whole transcriptome Atlas Genes (~22,000 genes)
3. From each slide containing 30-36 tissue slices of 3 mm diameter, 60 regions of interest (2 AOI/ROI and each ROIs of ~200 microns in size from each tissue slice), so in total ~ 120 AOI with segmentation per slide. There will be a total of 4 slides for the spatial transcriptome analysis.
4. The service should include probing of provided TMA slides (~30/36 slices/slide), with RNA profiling reagents and suitable cellular morphological markers followed by library preparation from released barcodes.
5. Deliverables include probing barcoding from areas of illumination followed by library preparation of individual AOIs with unique barcodes and pooled libraries from each slide.
6. Quality control for each step needs to be provided.
7. Proper management & support in Next-generation sequencing of the pooled libraries followed by computational analysis for data interpretation is required.
8. Assuring timely completion of the service is mandatory.

##### **Introduction:**

The Institute of Life Sciences (ILS) was established in 1989 as an autonomous institute under the administrative control of the government of Odisha. In 2002, it was taken over by the Department of Biotechnology, Govt. of India. The Institute of Life Sciences has a broad vision of conducting high-quality multidisciplinary research in Life Sciences. The goal is the overall development and betterment of human health, longevity, agriculture, and the environment. The institution's stated mission is to uplift human society and generate skilled human resources for India's future. These are achieved by cutting-edge research using state-of-the-art technologies in vector-borne diseases such as malaria and filaria, viral infections, cancer



biology, allergy and auto-immune disorders, genetic disorders, and agricultural productivity. Towards this, the institute has established the necessary infrastructure, including research facilities, genomics, and proteomics platforms, flow-cytometry, imaging facilities, animal house, green-house, plant tissue culture and zebrafish facilities, and high-performance computing facility, etc, with financial support from Dept. of Biotechnology, Govt. of India.

**The Expression of Interest (EOI) received shall be evaluated based on experience and expertise to provide the service defined in the scope of work above. Only those vendors qualifying the same shall be considered for outsourcing services mentioned above.**

**The entire process of EOI shall consist of the following two stages:**

**Stage-1 (EOI by the Vendors):** Receipt of Expression of Interest (EOI) from specialized agencies meeting minimum eligibility criteria. A technical evaluation committee appointed by the Director, ILS, will evaluate the agencies based on the minimum eligibility criteria and terms & conditions specified in the EOI.

**Stage-2 Evaluation of the financial part:** The committee will verify the vendor's quoted price along with the agencies' terms and conditions. The committee might discuss online / offline with the Agency for clarification.

**A Committee will comprehensively evaluate Service provider based on their credentials, quality control system, financial background, dealer/distributor network, and past performance/experience.**

**Along with "Expression of Interest," please furnish the following information with self-attested proof/ Registration copies:**

1. Registered address with phone, Email, Web, etc.
2. Years of Existence in this field
3. Company / Organization status Individual / Proprietary / Partnership /Ltd (or) Private Ltd etc. with Name and Address of Proprietor, Partners, Board of Directors etc.
4. Associates: (a) Indian (b) Foreign
5. List of major customers for similar work with full address and their Contact Persons for the last ten years.
6. Details of other contracts, if any, are now in hand
7. Establishment / GST Registration Number / PAN Number
8. Nature of Business



Note: Any wrong or misleading information will lead to disqualification. Part solutions received from the service providers will not be entertained.

ILS reserves the right to cancel the EOI without assigning any reason.

### **General Instructions**

1. Expected service providers are advised to study this EOI document carefully before submitting their proposals in response to the EOI Notice. Submission of a proposal in response to this notice shall be deemed done after careful study and examination of this document to understand its terms, conditions, and implications fully.
2. EOI is to be submitted through online only.
3. The response to this EOI should be complete in all respects. Failure to furnish all or correct/adequate information required by the EOI documents or submission of a proposal not substantially responsive to the EOI document in every respect will be at the service provider's risk and may result in rejection of its proposal.

### **(B) INSTRUCTION TO SERVICE PROVIDERS /TERMS & CONDITIONS:**

Interested service providers should note the following:

1. This EOI invitation document is not a Tender or Request for Proposal in any form and would not be binding on ILS in any manner whatsoever.
2. ILS reserves the right to cancel the EOI invitation as a whole or in part without assigning any reason whatsoever.
3. The service providers are encouraged to conduct their independent survey, assessment, and analysis on any working day with prior approval from the competent authority of ILS and check the reliability, accuracy, feasibility, and completeness before submission of their interest/proposal.
4. ILS reserves the right to update, amend, and supplement the information given in this document at its sole discretion before the last date and time of submission of the interest /proposal.
5. The Agency should submit the EOI with supporting documents about their experience, qualifications, annual turnover, etc.
6. Director, ILS reserves the right to call limited or all parties to make a presentation based on their experience and technical submission made in the EOI. Mere fulfillment of EOI



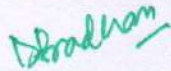
criteria does not entail the service providers being called to present.

7. In support of the credentials submitted by the parties, ILS reserves the right to solicit information from the organizations issuing such credential certificates.

(C) **General Information**

Sl. No.	Basic Information	Please fill details (copies of the documents are to be attached along with the EOI)
1.	Name of the Company/ service provider	
2.	Full address of company along with Telephone no./Mobile No. Email address:	
3.	Contact person details, if any	
4.	GST Registration no.	
5.	Proof of payment of Rs.1500/-	
6.	Details of Major customers provided with similar service	

On behalf of the Director,  
Institute of Life Sciences, Bhubaneswar



**ADMINISTRATIVE OFFICER**