



Expression of Interest (EoI) for commercialization of two probiotics strains

Issued by

Institute of Advanced Study in Science and Technology (IASST)

(An autonomous institute under Department of Science and Technology (DST),
Govt. of India)

Vigyan path, Paschim Boragaon, Guwahati-781035, Assam, India

www.iasst.gov.in

Letter of invitation: The institute of Advanced Study in Science and Technology (IASST), Guwahati, invites Expression of Interest (EOI) through email/post from experienced firms for commercialisation of **two probiotic bacterial strains**. The EOI document containing the qualification criteria, submission details, brief objective & Scope of work and evaluation criteria, etc. can be downloaded from the IASST website.

Characteristics of the probiotics:

Strain	Characteristics
Strain 1	✓ Excellent adhesion to HT-29 (100%) ✓ Very good hydrophobicity (42%) ✓ Strong autoaggregation ✓ Significant reduction of LPS-induced ROS & NO ✓ Strong mucin-inducing capacity (MUC2 etc.) ✓ Immunomodulatory effects in RAW 264.7 cells ✓ Plantaricin operon → strong antimicrobial potential ✓ Genome contains probiotic, oxidative stress, and anti-inflammatory markers ✓ Pangenome: 120 unique genes → high novelty/IP value ✓ Very good activity against DSS induced ulcerative colitis (UC) in mouse model.
Strain 2 (Heat-Killed / Postbiotic)	✓ Strong <i>C. elegans</i> lifespan extension data ✓ Demonstrated proteostasis improvement (ALP pathway) ✓ Activation of p38 MAPK → immune genes upregulated ✓ DAF-16/SKN-1 mediated antioxidant and aging pathways ✓ Strong ROS reduction effects ✓ EPS shows additional anti-aging & immune benefits

The schedule for the Proponents is as under:

EOI Document Number
IASST/EOI/578, dated 20/01/2026

Last date/Time of submission: 04/02/2026 time 5:30 PM

BID opening date: 05/02/2026 time: 11:00 AM
Estimated Value: Rupees One crore only.

1. Background

The Institute of Advanced Study in Science and Technology (IASST) is a premier scientific research organization in the northeast region. In March 2009, the Ministry of Science and Technology, Govt. of India, took over the institute as one of its autonomous R&D Institutes. The institute is engaged in multidisciplinary research activities, both fundamental and applied, across frontier areas of science and technology such as Microbial Biotechnology, Plasma Physics, Polymer Sciences, Biochemistry, Drug Design & Development, Nano-science, Medicinal Plants, Seri Biotechnology, Environmental Sciences, Microbial Fuel Cell, etc. The institute's vision is to emerge as a center of excellence in frontier research areas with international visibility and to build human resources toward advanced scientific knowledge for societal development.

2. Objective:

IASST, Guwahati, has identified and characterised a range of potential probiotics from various traditional fermented foods and beverages of the northeast India. IASST is lawfully entitled to enter into any exclusive/non-exclusive license agreement with the selected manufacturer (s) to transfer the probiotics for commercialisation.

3. Broad scope of the work:

Subject to the terms and conditions of an agreement, IASST shall grant a exclusive/non-exclusive license to the manufacturer (s), a royalty-bearing right, and a license to use the probiotic bacteria to manufacture and sell products.

This LICENCE shall be valid from the EFFECTIVE DATE and subject to covenants and conditions herein contained and shall remain in force for a period of twenty years commencing from the accrual of LICENSEE's obligation to pay Royalty to LICENSOR, after the commercialization of the Product (the "Term").

4. Who can apply?

Industries with interest in production or possess evidence of the production of probiotics may apply.

5. How to apply?

Interested companies may send 'expression of interest' with their details by filling the forms as per Annexure – I along with supporting documents in a sealed envelope to:

The Registrar,

Institute of Advanced Study in Science and Technology (IASST),

Vigyan Path, Paschim Boragaon, Guwahati-781035

Phones: +91-361-2273061/2273064; Fax: +91-361-2273062

Email: registrar@iasst.gov.in / registrar-off@iasst.gov.in

Annexure-I

	A. Company Profile
1.	Name of the Organization: Website
2.	Details of the Contact Person: Name: Address Telephone: Fax: E-Mail:
3.	Year of Incorporation
4.	Type of Organization Public Sector/ Limited/Private Limited/ Partnership/ Proprietary/ Society/ Any other Whether 'Foreign Equity Participation (Please give name of foreign equity participant and percentage thereof) Names of Directors of the Board/ Proprietors Name and address of NRI(s), if any
5.	Category of the firm: Large/Medium/Small scale unit

6.	Address of the Registered Office:
7.	Certificate of registration as a manufacturing unit
8.	Permanent Account Number
9.	Sales Tax Number/ VAT
10.	Status of ISO9001/ISO13485 Certification
11.	Please describe your marketing set up and plans for marketing the product (domestic & export)
12.	Please state your experience in commercializing technology/ technology absorption (if any)
13.	Please mention the license fee, consultation fee and royalty you will offer for each of these probiotic bacteria..

The following documents need to be attached along with EoI:

1. Organization Brochure
2. Certificate of Registration / Incorporation
3. Certified copies of turn over for last three financial years (For start-up companies, instead of three years' turnover, future business plan for three years should be mentioned).
4. Three years' business plan (For start-up companies same as above point i.e. business plan for three years should be mentioned).
4. Permanent Account Number.
5. Write up on technical capabilities.
7. The list of major machine tools /equipment's/software's/facilities available related with work to be furnished.
8. The manpower strength (Technical: Mechanical, Electrical, Electronics, Software & Non-Technical etc.) at various levels to be furnished.

Note: Expression of interest should be stamped and signed by authorized signatory with a formal declaration note.