# <u>Birla Institute of Technology and Science Pilani, KK Birla Goa Campus</u> <u>Department of Biological Sciences</u>

Date: 24.09.2024

Ref No-BITS/24-25/Tender/SK/002

Quotations are invited for the identification and characterization of bioactive compounds/markers and Active Pharmaceutical Ingredients (APIs) present in Sailin-HbS formulation, an Ayurvedic product. The profiling should involve advanced analytical techniques and specific secondary metabolite tests, as detailed below. The quotations should be submitted by 04.10.2024.

## **Specifications and Technical Details**

**Study title:** Advanced Bioactive Compound/Marker and API Identification in Sailin-HbS, an Ayurvedic Formulation

## **Objective:**

To identify and characterize bioactive compounds/markers and APIs in Sailin-HbS, an Ayurvedic formulation using advanced analytical techniques, with the goal of tracking these markers and APIs during subsequent pharmacokinetic/pharmacodynamic (PK/PD) studies to be conducted as per tender reference no. **BITS**/24-25/**Tender**/SK/002.

Data Interpretation	A comprehensive analysis of the data obtained from HR-LC/MS, NMR,
	FTIR, and secondary metabolite tests, focusing on the relevance of
	identified compounds/markers for tracking in PK/PD analysis.
Raw Data Submission	Submission of all raw data from the analytical instruments, including
	spectra, chromatograms, and related files in their original format. All data
	should be well-organized and accompanied by metadata for easy
	interpretation and re-analysis.
Formulation strength	Appropriately; Compound highly soluble in water and saline
(mg/mL)	
Formulation solvent	Normal Saline
(preferred)	
Analyte	Sailin-HbS formulation
Study Report	A comprehensive report detailing the phytochemical screening, bioactive
	compound and APIs identification, of Sailin-HbS, to be prepared and
	shared in a word document.

# Test Compound: Sailin-HbS Ayurvedic Formulation

## **Eligibility Criteria:**

- The Bidder shall provide the Registration number of the firm along with the GST and the PAN Number issued by the concerned authorities.
- Separate technical and price bids should be provided on company letterhead duly signed by an authorized signatory.
- The Technical Bid must contain a Technical Compliance sheet with details of the experimental
  protocols and methods for the bioactive compound profiling. Any published
  catalogue/experimental protocol/manufacture website as proof for compliance, if available,
  should be provided for each technical point. The technical bid should mention the time
  necessary for each experiment.
- List of customers for whom similar studies were performed by the company should be provided.
- Price Bids should contain the prices, terms of delivery, sales, payment terms, etc.
- The bidder must not be blacklisted by any government or private organization. A certificate or undertaking to this effect must be submitted.

## **No Commitment to Accept Lowest or Any Tender:**

• Birla Institute of Technology and Science Pilani, KK Birla Goa Campus shall be under no obligation to accept the lowest or any other offer received in response to this tender notice and shall be entitled to reject any or all offers. The Institute will not be obliged to meet and have discussions with any vendor or to listen to any representations.

#### **Price Quotation:**

- Comprehensive price (INR) to be quoted which includes all necessary pricing and taxes.
- Vendor will need to provide a bank guarantee in lieu of advance payment.

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