

**Subject:** - Pre-Bid Queries Responses.

**Tender No:** - RFP/BioNEST/Equip/23/01

**Last Date of Bid Submission:** 10<sup>th</sup> October 2023.

**Name OF The Work:** - Purchase of equipment for BioNEST Laboratory at R&I Park, IIT Delhi, Hauz Khas, Delhi - 110016.

<b>Queries related to Equipment specifications</b>			
<b>Sr. No.</b>	<b>Reference of the Clause No. of the Tender Document</b>	<b>Query/ Clarification/ Deviation sought</b>	<b>Clarification/ Response from FITT, IIT-Delhi</b>
<b>A. Gas Chromatography-Mas Spectroscopy (Preferred makes: Shimadzu/Thermofisher/Agilent)</b>			
1.	<b>Mass Analyzer Type:</b> Metallic quadrupole with a pre-rod - Mass Range: 10 – 1050 u or better Max Collision Energy: 60 eV - Off-Axis Ion Optics for lower detection limits - High-speed MRM analysis up to 800 transitions per second	<b>To include instrument sensitivity: -</b> <ul style="list-style-type: none"><li>• MRM Sensitivity: S/N 18000 for 100 fg (OFN) or better (sensitivity specifications has to be demonstrated at site)</li><li>• MRM IDL sensitivity: IDL <math>\leq</math> 4 fg or less (helium gas) for the concentration of 10 fg (or equivalent) Octafluoronaphthalene (OFN) for 8 sequential injection in 30m capillary column.</li><li>• Vacuum system: Dual-stage turbomolecular pump with 360L/s capacity for He</li></ul>	It is added please refer corrigendum for further clarifications.
2.	<b>Gas Purification:</b> Gas Purification Panel for high-purity carrier gases (helium or nitrogen)	Gas Purification Panel for required Gas, Regulator and Gas Cylinder – 1 Nos. each.	It is added please refer corrigendum for further clarifications.
3.	<b>Power Backup:</b> Compatible Online UPS included. For an uninterrupted power supply during analytical runs.	<b>To add: -</b> 10 KVA online UPS with 60-minute backup. 3-year Warranty on UPS. The batteries are consumable and shall be covered for 1 year.	It is added please refer corrigendum for further clarifications.
4.	<b>Computer System:</b> Supplied with an all-in-one system for software-based operations and data analysis. (intel i5 12th gen or higher, 16 GB or more RAM 512 GB SSD, 21 inch or more monitor)	Warranty on PC for 3 years to be specify	It is added please refer corrigendum for further clarifications.
<b>E. Name of the Product: Inverted Microscope/Cell Imager</b>			
5.	<b>Point No 10:</b> Onstage Incubator: Compatibility with onstage incubator for precise control of environmental conditions for biological studies	<b>Point No 10:</b> Onstage Incubator ( <b>Upgradable</b> ): Compatibility with onstage incubator for precise control of environmental	It is added please refer corrigendum for further clarifications.

		conditions for biological studies.	
6.	<b>Point No 17:</b> Computer Configuration: Supplied with an all -in-one system for software -based operations and data analysis. (intel i5 12th gen or higher, 16 GB or more RAM 512 GB SSD, 21 inch or more monitor)	<b>Point No 17:</b> Computer Configuration (Inbuilt with Microscope or Separate): Supplied with an all -in-one system for software -based operations and data analysis. (4 GB or more RAM, 10 GB SSD, 18.5"inch or more monitor)	It is added please refer corrigendum for further clarifications.
7.	<b>Point No 18:</b> Accessories: Should be supplied with System • List of available vessel holders (Well Plates, Dishes, Flasks, and Slides), • 02 independent high-output LED illuminators with intensity control, • 128 GB USB Drive/Pen Drive, • 5-position objective turret with Plan Flourite 10x, 20x, 40x, 100x objectives.	<b>Point No 18:</b> Accessories: Should be supplied with System • List of available vessel holders (Well Plates, Dishes, Flasks, and Slides), • 02 independent high-output LED illuminators with intensity control ( <b>Upgradable</b> ) • 32 GB USB Drive/Pen Drive, • 5-position objective turret with Plan Flourite/Fluorite 10x, 20x, 40x, 100x objectives.	It is added please refer corrigendum for further clarifications.

#### H. Name of the Product: FPLC (Preferred make: Cytiva/ BioRad)

8.	<b>Flow Rate Adjustment:</b> Automatically adjusts flow rate when operating in a cold cabinet.	Adjusts flow rate based on operational pressure to protect column	It is added please refer corrigendum for further clarifications.
9.	<b>Pump Type:</b> High-performance positive displacement piston pump with a hydrophobic coating.	High-performance positive displacement binary piston pump/ reciprocating piston pump made with inert material	It is added please refer corrigendum for further clarifications.
10.	<b>Sample Injection:</b> Provision to insert protein sample into the column bypassing the mixer.	Provision for automatic injection of sample	It is added please refer corrigendum for further clarifications.
11.	<b>Outlet Ports:</b> 3 or more outlet ports.	2 or more outlet ports	It is added please refer corrigendum for further clarifications.
12.	<b>Fractional Collector:</b> Supplied with a fraction collector capable of attaching 8-, 15-, and 50-mL falcon tubes. Equipped with spillage sensor.	Supplied with a fraction collector with options to collect 8-, 15-, and 50-mL falcon tubes without spillage.	It is added please refer corrigendum for further clarifications.
13.	<b>Simultaneous detection wavelengths:</b> Capable of detecting at least 280 and 260 nm simultaneously.	Capable of detecting 3 or more wavelengths simultaneously in the range of 190-700 nm or higher.	It is added please refer corrigendum for further clarifications.

14.	<b>UV Detector Range:</b> UV detector should read values between -3 to +3 AU.	UV detector should read values between 0 to >2.8 AU.	It is added please refer corrigendum for further clarifications.
15.	<b>UV Lamp:</b> UV lamp should not heat the protein sample, have no warm-up time, and a total operating life of 4000 hours or more.	UV lamp should not heat the protein sample, have minimal warm-up time, and a total operating life of 2000 hours or more.	It is added please refer corrigendum for further clarifications.
16.	<b>Computer System:</b> Supplied with an all-in-one system for software-based operations and data analysis. (Intel i5 12 <sup>th</sup> gen or higher, 16 GB or more RAM 512 GB SSD, 21 inch or more monitor)	Supplied with a suitable computer for software-based operations and data analysis. (Intel i7, 8 GB or more RAM, 512 GB SSD, 19 inch or more monitor)	Amendments have been made; please refer corrigendum for further clarifications.

<b>Queries related to Clauses</b>			
17.	<b>Page No. 4, Chapter 2. Instruction to Bidder</b> <b>G. Warranty and Support (applicable for all Equipment)</b>	In the tender term, you have mentioned about 3 yrs Comprehensive warranty including AMC of 3 yrs. kindly confirm whether it is 3 yrs CMC plus 3 yrs AMC , or Total 3 yrs CMC with preventive maintenance calls.	Amendments have been made; please refer corrigendum for further clarifications.
18.	<b>Page No. 11, Chapter 3. Evaluation and comparison of bids</b> <b>D. Clearance and delivery.</b>	Kindly note our standard offered INCO Term is CIP DELHI, and custom clearance and forwarding formalities are to be taken care by the buyer. Hence we will be offering our product with CIP Delhi Inco term.	Amendments have been made; please refer corrigendum for further clarifications.
19.	<b>Page No. 12, Chapter 4. Terms and conditions, A. Terms of Payment</b> <b>II. Payment for Goods and services offered from abroad:</b>	Our Standard payment term is either 100% LC at sight or 90/10 LC. The mentioned payment term in your tender is not an approved payment term for our Company. Hence we will be offering our product with our standard payment term.	Amendments have been made; please refer corrigendum for further clarifications.
20.	<b>Page No. 20, Chapter 5. Scope of work.</b> <b>2. Training Requirements:</b>	Please include a minimum of 15 days training for each equipment.	It is added please refer corrigendum for further clarifications.