



सी.एस.आई.आर.—हिमालय जैवसंपदा प्रौद्योगिकी संस्थान

CSIR-INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY

पालमपुर (हिमाचल प्रदेश) Palampur (H.P.)-176061

दूरभाष/Telephone No. 91-1894-230425, ई-मेल E-mail: spo@ihbt.res.in

अभिरुचि की अभिव्यक्ति/Expression of Interest (EOI) Notice No.03/2018

निदेशक, सी.एस.आई.आर.—आई.एच.बी.टी., पालमपुर द्वारा इच्छुक बोलीदाताओं से **निम्नलिखित उपकरणों** की खरीद हेतु विनिर्देशों को तैयार करने के लिए संस्थान में एक मांगपत्र पूर्व सम्मेलन (प्री-इंडेंट कॉन्फ्रेंस) का आयोजन किया जा रहा है।

Director, CSIR-IHBT, Palampur has organized a Pre-Indent Conference (PIC) in the Institute for the interested bidders for framing up the specifications for the purchase of following equipments:-

संख्या Sr.No.	टेंडर न./सन्दर्भ संख्या Tender No./ Reference No.	सामान का नाम /Item Name	समय एवं तिथि /Date & Time
1.	4/5(262)18-Pur	Projector and other accessories	22.10.2018 (10.00am)
2.	4/5(264)18-Pur	Fermenter System	23.10.2018 (10.00am)
3.	4/5(265)18-Pur	Continuous Centrifuge	24.10.2018 (10.00am)
4.	4/5(266)18-Pur	Cell Homogenizer	24.10.2018 (2.30pm)
5.	4/5(267)18-Pur	Lyophilizer for Protein Concentration	25.10.2018 (10.00am)
6.	4/5(268)18-Pur	Protein Purification System	26.10.2018 (10.00am)

इससे संबंधित विवरण संस्थान के वेबसाइट www.ihbt.res.in पर अवलोकन हेतु प्रस्तुत किए गए हैं। The related documents can be viewed on the Institute's website www.ihbt.res.in

भंडार एवं क्रय नियंत्रक
Controller of Stores & Purchase



सीएसआइआर-हिमालय जैवसंपदा प्रौद्योगिकी संस्थान
CSIR-INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY
POST BOX No.-06, Palampur (H.P.)-176061
Telephone/Fax: 91-1894-230425, E-mail: spo@ihbt.res.in

CSIR-Institute of Himalayan Bioresource Technology, Palampur (HP) is premier R&D Institute of Council of Scientific & Industrial Research (CSIR), intends to procure the item herein under. In this regard, Pre-Indent Conferences (PIC) are being organized to finalize the broad technical specifications of the required items as mentioned below. Prospective OEM/Distributors/having capabilities to supply, installation, commissioning and maintenance of such required items/systems are invited to make technical presentations during the PIC followed by discussions on technology, design, features, utility, technical parameters, warranty, AMC and other related Techno-commercial issues. Schedule of Pre-Indent Conferences are as follows:-

Sr. No.	TENDER No.	Item(s)	Date & Time	Venue
1.	03/2018 Ref.4/5(262)18-Pur	Projector and other accessories for Auditorium	22.10.2018 (10.00am)	Director's Conference Room

Brief details

A complete video solution with Projector and other accessories for our Auditorium. The approximate size of the screen will be 22 feet from left to right and 14 feet from top to bottom and projection distance is around 20-25 meters.

The detailed specifications will be prepared after pre-indent conference meeting.

Sr. No.	TENDER No.	Item(s)	Date & Time	Venue
2.	03/2018 Ref.4/5(264)18-Pur	Fermenter System	23.10.2018 (10.00am)	Director's Conference Room

Brief details

Fermenter should have maximum working volume capacity between 75-110 L for batch, fed batch and continuous operation. Cylindrical vessel as per ASME certification. Vessel interior and all wetted parts should be fabricated of SS 316 L. System to be CIP and SIP design and cGMP compliant. A software for monitoring and control of various parameters like agitation, aeration, pH, temperature, Dissolved Oxygen, foam, etc. Bottom/Top driven Agitator with double mechanical seal or magnetic coupler. Impellers with flat vertical blades configuration with four removable vessel baffles.

The detailed specifications will be prepared after pre-indent conference meeting.

Sr. No.	TENDER No.	Item(s)	Date & Time	Venue
3.	03/2018 Ref.4/5(265)18-Pur	Continuous Centrifuge	24.10.2018 (10.00am)	Director's Conference Room

Brief details

Floor standing refrigerated continuous centrifuge for pelleting out bacterial cells from fermentation broth, equipped with continuous rotor (flow rate ≥ 30 L/hr). Temperature set range: 4 to 40°C or better. Should have ISO certification.

The detailed specifications will be prepared after pre-indent conference meeting.

Sr. No.	TENDER No.	Item(s)	Date & Time	Venue
4.	03/2018 Ref.4/5(266)18-Pur	Cell Homogenizer/Microfluidizer	24.10.2018 (2.30pm)	Director's Conference Room

Brief details

Cell Homogenizer/Microfluidizer with complete utilities for microbial cell disruption. Flow rate with water should be atleast 300 ml/min at 30,000 psi or better. Minimum sample size should be ≥ 100 ml. On board heat exchanger to regulate the product temperature $\leq 10^{\circ}\text{C}$. Machine should have CIP facility and CE compliant. The detailed specifications will be prepared after pre-indent conference meeting.

Sr. No.	TENDER No.	Item(s)	Date & Time	Venue
5.	03/2018 Ref.4/5(267)18-Pur	Lyophilizer for Protein Concentration	25.10.2018 (10.00am)	Director's Conference Room

Brief details

Lyophilizer with ice condenser capacity ≥ 22.0 kg or lts. Ice removing drying rate/ performance ≥ 8 kg or lts in 24 hours. Ice condenser temperature $\leq -80^{\circ}\text{C}$. Automatic determination of eutectic point and end-point determination of drying cycle through pressure increase test. CFC free refrigerator systems. Should have vacuum control option and chemical resistant vacuum sensor to maintain set point of vacuum level. It should meet cGMP Guidelines.

The detailed specifications will be prepared after pre-indent conference meeting.

Sr. No.	TENDER No.	Item(s)	Date & Time	Venue
6.	03/2018 Ref.4/5(268)18-Pur	Protein Purification System with complete accessories	26.10.2018 (10.00am)	Director's Conference Room

Brief details

The cGMP certified protein bioprocessing unit for pilot scale process with complete down streaming unit. The system should be used performing all type of chromatography like Gel chromatography, Ion exchange, hydrophobic and affinity. The turn down ration of pump should be more than 40 capable of controlling gradient in range of 0-100 %. The monitoring parameter like UV should adopt optical fiber-based technology with maximum UV range coverage, conductivity should be able to read up to 4M NaCl solution, pH 0-14. The system should do cell clarification and protein concentration. Should have a rotary lobe pump generating a flow rate more than 20LPM to 100 LPM. System should incorporate manifold for running more than one cartridges.

The detailed specifications will be prepared after pre-indent conference meeting.

Prospective Suppliers/Manufacturers/OEM/Distributors/Authorized Agents, who are willing to participate in the PIC process may depute their authorized representative(s) who is/are techno-commercially competent to present their product/solution, discuss with the technical committee and provide supporting document/information on scheduled date and time.

The credentials, technical capability, financial standing & track record of the parties, will be evaluated based upon discussions during PIC and documents submitted by the interested firms who attend PIC. Equipment's specifications will be finalized after discussion/technical presentation by the prospective bidders and on the basis of Research and Development requirement of the Institute.

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