



## CSIR-INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY

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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, a Pre-Indent Conference (PIC) is 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 item/system 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 Conference is as follows:-

Sr. No.	TENDER No.	Item(s)	Date & Time	Venue
1.	02/2018 Ref.4/5(253)18-Pur	Surface Plasmon Resonance System	06.09.2018 (11.00am)	Director's Conference Room

### **Brief details**

Surface plasmon resonance (SPR) based label-free detection system for detailed studies of biomolecular interactions. The system should provide real time data for high quality kinetic, affinity, concentration, specificity, selectivity, comparability, and thermodynamic interaction analysis. System should have high sensitivity to characterize and analyse interactions by on- and off-rates (kinetics constants  $k_a$  and  $k_d$ ) at the extremities of the kinetic scale with great precision and confidence. The SPR based interaction analysis system must help in drug discovery and drug-library screening (natural as well as chemically synthesized) and ranking of compounds based on binding kinetics properties.

Apart from kinetics characterization, the SPR platform should provide qualitative and quantitative information on following:

1. Transition state and steady state thermodynamics parameters of interaction
2. Affinity in solution for competitive inhibitors
3. Active concentrations of biomolecules
4. Immunogenicity testing of therapeutic molecules
5. Bio-similarity testing and scoring

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

Prospective Supplier/Manufacturers/OEM/Distributors/Authorized Agent, 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.

**Controller of Stores & Purchase**