

**CSIR- INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY, PALAMPUR (HP)**

**Subject: Minutes of pre-bid meeting held on 07.02.2024 for lab scale High Pressure**

**Homogenizer**

With reference to the tender no. 4/5(27)23-Pur for the procurement of lab scale High Pressure Homogenizer, a pre-bid meeting was arranged on 07.02.2024 in the Store & Purchase meeting room at 3:00 pm. Two firm representatives from M/S Inkarp Instruments Pvt. Ltd., Hyderabad and M/S Trident Equipments Pvt Ltd., Mumbai made their presence. Based on the recommendation and representation received from the above two firms, the following tender specification points are revised as follow: -

<b>Tender specification</b>	<b>Revised specification</b>
4. Digital pressure control & display	4. Inbuilt digital pressure control & display
9. The following spare parts should be provided. ➤ Gaskets- One set ➤ Pump valve springs- One set ➤ Piston packing- One set	9. Preventive maintenance and critical repair kits (one set each) for trouble-free operation should be provided.
10. Processed products should be homogenous and of uniform particle sizes.	10. Processed products should be homogenous and of uniform particle sizes, supported with built in high pressure intensifier pump.

### **Revised specification for lab-scale High-Pressure Homogenizer**

1. Equipment should be capable of applications in cell disruption (bacteria and yeast) and nanoemulsions.
2. Flow Rate: 50 ml/minute or better.
3. Maximum working pressure: 28000 psi or better.
4. Inbuilt digital pressure control & display.
5. Automated clean-in-place (CIP) for reliable cleaning.
6. Automatic stopping option should be available for accidental closure.
7. The construction material should be made of stainless steel (SS316L or better) with high wear resistance.
8. Built-in safety protection against overpressure.
9. Preventive maintenance and critical repair kits (one set each) for trouble-free operation should be provided.
10. Processed products should be homogenous and of uniform particle sizes, supported with built in high pressure intensifier pump.
11. Should provide 03 years' warranty for the instrument.