

**E-NOTICE (EOI) REF NUMBER IISERM (781)17/18 PUR**

**EXPRESSION OF INTEREST FOR CLEAN ROOM OF CLASS 10,000 FOR EHEP LAB AT IISER MOHALI, SECTOR 81-SAS NAGAR, PUNJAB.**

**Clarifications with regard to Pre Bid meeting held with vendors on 10/07/2017.**

<b>Sr. No.</b>	<b>Clarification required by the vendor</b>	<b>Reply of IISER</b>
1	Equipments Make list to be confirm	As per list attached
2	Details size of the room & Name	Layout is attached. Area marked as "A" is about 670 sqft and the area marked as "B" is about 160 sqft.
3	Equipment details in your lab	Semi conductor R&D lab (Related equipments). Electrical load of equipments will be 30Kw.
4	Electrical load details in room	30 KW for lab equipments only. For HVAC system, the vendor has to calculate it as per point no 23 of EOI.
5	Number of person inside LAB	8-10 persons
6	Electrical power points to be confirm for your instrument in Lab	5/15 Amp -28 Nos and 3 phase TPN with MCB (in single box) -5 Nos. as per drawing attached.
7	Scope of Supply of details item, such as UPS, Door interlock, Access control, Electrical etc.	UPS is not in the scope of the vendor. Other items to be provided by the vendors
8	Inside Lab LUX level	350. Area marked as 'B' should have UV filter LED light and Area marked 'A' should have LED white light.
9	Civil work for Plant room foundation	To be done by the vendor as per point no 22 of EOI.
10	We are registered under the MSME and NISC	AR (S&P) will reply

11	Dimensions in the drawing is not mentioned	New drawing attached
12	Equipment details like electrical load and Exhaust CFM, if any. Are not mentioned in the Tender document	Semi conductor R&D lab (Related equipments). Electrical load of equipments will be 30KW.
13	In this we found two different statements for cooling coil Rows.	It consists double coil system in single AHU.
14	Distance between the Clean room sensors and BMS hub is required.	We do not want BMS system. However only we need display as per point no 5 of EOI& the logging of these quantities i.e. Pressure, RH, Temperature & Particle Mount in regular intervals, a ethernet communication interface should be provided by vendor
15	Size of the HEPA filter is not mentioned and 2000cfm is the very high flow rate for 2' x 4' HEPA filter which is the standard size of HEPA.	This is only for guidelines and maximum cfm allowed; the vendor has to calculate the size, number of filters to avoid any air turbulence.
16	AHU room to clean room distance is not mentioned in the tender document	Approximately 12 to 15 ft.
17	We required zero level flooring to do the EPOXY is the existing floor suitable to make Epoxy floor?	No, the existing floor is only concrete base and vendor has to match the level.
18	Details specification of Clean room monitoring and warning system in form of display unit should be provided and installed by vendor.	We would need to monitor and log the humidity, temperature, pressure and particle count at three different locations marked as star (*) in the attached drawing.
19	Provide the position of Magnoholic	There will be two numbers, one for sensing cleanroom, other one for sensing change room.
20	Thickness of epoxy	3 mm

21	Coving	Material of coving must be of aluminum on the walls & ceiling. But in the floor coving must be of epoxy.
22	Air shower size	<p>Area available 5'x4'6".</p> <p>Air nozzle in the air shower should be from both sides and from the top. Air shower material should be of Stainless Steel. The exit door to cleanroom should automatically be unlocked only when the cycle of air shower is completed. The cycle time should be adjustable type. All locks should be automatically set to release upon loss of power, or Emergency Off.</p>
23	Cable tray specification	For hanging cable tray SS rods are to be fixed in the ceiling with hold fastener upto the false ceiling height, so that we can able to hang the cable tray latter on if require. So cable tray is not requiring in this job.

## **PREFERRED MAKES**

1. AHU- ZECO/EDGETECH/VTS
2. Pre filters- THERMADYNE/CAMFIL
3. Blower- NICOTRA/KRUGER
4. Motor-ABB/SIEMENS/BHARAT BIJLEE/KIRLOSKAR
5. Condensing Unit- BLUESTAR/ LG/ DAIKIN/SAMSUNG
6. Dehumidifier- BRYAIR/FRIGIDAIRE/PRO BREEZE
7. Hepa filters- THERMADYNE/ CAMFIL
8. Display unit- SIEMENS/HONEYWELL
9. Ducting- TATA/SAIL
10. Nitrile rubber- ARMACELL/KFLEX
11. GPSP walls/ceiling- GMP/SYNERGY
12. Lights- PHILLIPS/HAWELLS/SISKA

