

Tender for Development, Design Execution and Maintenance of clean room for VLSI NanoFab Lab including equipment, consumable and related services on EPC basis at IIIT-D Campus		
TENDER NO: 12/2024 Dated 02.09.2024		
S.no	Query	Reply
1	Aluminium Honeycomb Panels for Class 100 area are specified in most of the Institutions, we have been quoting in many Tenders for this application. Aluminium Honeycomb panels are expensive, almost thrice the price of PUF panel, both cannot be given as either / or as everyone will quote for PUF panel only, to keep the overall cost less. We suggest that specs of the Wall panels facing the Class 100 Clean Room (even if it is the future) shall be made as Aluminium Honeycomb panels and it can be PUF panels for other areas.	According to the design and requirements in the tender, you may plan and propose accordingly.
2	There is not going to be any change in the Air Conditioner load for ISO-6 (Class 1000) & ISO-5 (Class 100), both will be the same. The room is very small <130 SqFt, difference is only the number of FFUs, for this area to achieve ISO-6, 5 to 6 FFUs of 4 X 2ft will be required, where as for ISO-5, a maximum of 8 or 9 more FFUs will be required, this will be the only difference. Only this is the additional cost which will be hardly 2 or 3% of the your estimate for this Tender. Why not construct a Class 100 Clean Room itself.	According to the tender document, you may propose whichever is suitable.
3	Is standby HVAC system needed for redundancy? If so kindly specify for AC units only or for AHU also, i.e one AHU with 2 cooling coils & a spare blower & 2 AC systems OR two sets of independent AC & AHU systems that will be used alternatively for equal aging.	Again, as per the tender notice, it is a TURNKEY EPC project with a subject line: "Development, Design Execution and Maintenance of clean room for VLSI Nano Fab Lab including equipment's, consumable and related services on EPC basis" . So, whatever is suitable according to your design specification, you may propose.
4	Exhaust capacity is not available - kindly specify or mention the sizes of Wet Chemical Stations & Fume Hoods - this parameter is the most critical in HVAC design, for mainly Humidity control.	You may check the "Drawing of Equipment's" layout and propose accordingly.