

Class 1000 clean room

Note: In the technical bid, point by point list should be furnished to demonstrate requirements have been met.

Specifications:

1. Room size: 16ft X 16ft X 10ft
2. Cleanliness class: 1000. After installation, the cleanliness class 1000 should be demonstrated in the entire room. The supplier should bring the properly calibrated necessary equipment.
3. Washable pre-filter: HDPE
4. Post filter: HEPA
5. Positive pressure module airflow capacity: 300 CFM or higher at 25 mm static pressure
6. Positive pressure module noise level ≤ 65 dBA
7. Positive pressure module assembly is for 24 hrs uninterrupted operation.
8. The adequate number of floor standing or hanging tower HEPA module (for room air particulate dilution) of 800 cfm or higher. Any other alternatives which satisfy the Class 1000 requirement would be acceptable too. Please provide all the technical documents with the quotation.
9. Air velocity, Total System Capacity & Particle count testing should be included in the quotation.
10. All essential accessories required for installation and regular operation at the user site must be included in the quotation.
11. The design of the proposed positive pressure module and HEPA filters should be such that during repair/cleaning/replacement of HEPA filters, pressure module, etc. can be removed from the sides so that the equipment is not affected.
12. The test report of the unit should be supplied along with the unit.

Other important terms:

1. The system should come with a warranty of one year.
2. The compliance statement should be enclosed with the quotation.
3. Indian agent/manufacture should have trained service personnel to provide efficient after-sales service support.
4. At least two similar systems must have been installed by the Indian agent or the parent company.
5. The delivery and installation should be done free of cost for all equipment.
6. Trained Service engineers in India or directly from OEM should be available to resolve technical problems within a week.
7. The vendor should take total responsibility for installing the clean room and demonstrating its performance.
8. All power supplies should be of Indian type 230 \pm 10% Volts, 50 Hz, with Indian standard plugs.