

**REQUEST FOR PROPOSAL & SPECIFICATION DOCUMENT
MEMS & NANOFABRICATION SEMICONDUCTOR CLEANROOM
FACILITY**



ANNEXURE 7

**Compliance Matrix-With relevant
specification reference**

ANNEXURE 7

COMPLIANCE MATRIX SHEET

S No	IIST Specifications	As per Page Nos.	Vendor's Compliance (Y/N)	Reference	Remarks
1	Eligibility Criteria	10-12			
1	The Vendors/parties/firms participating in the tender should be technically competent and experienced in having undertaken Clean room projects for semiconductor/ MEMS/nano-fabrication facility with the following eligibility criteria (points i-viii).	10			
2	Copies of Purchase Orders/ work orders in respect of “similar work” executed by the party/firm with Documents evidencing satisfactory completion (As per point iv)	11			
3	(MOU) between the prime bidder and the firm/party with whom they shall associate for the project shall be submitted along with the bid. The validity of MoU between prime bidder and service providers shall be minimum two (2) years post three (3) year on-site comprehensive warranty period of the facility. (If Applicable as per point iii)	11			
4	Copies of the POs/work orders executed by the other firm with Documents evidencing satisfactory completion issued by the respective clients/organizations shall also be submitted along with the bid. (If Applicable as per point iii)	11			

5	Financial turnover, solvency certificate and other documents mentioned in section 2.(v to viii) of the prime bidder A. Chartered Accountant's certificate for the annual financial turnover B. Current (not prior to six (6) months) solvency certificate from any scheduled bank. C. Copy of audited Annual Accounts by a chartered accountant for the previous 5 (five) financial years.	12			
II	Submittals	14-18			
1	Submittals with Techno commercial/Technical bid	14			
	Detailed compliance sheet as per the given format for RFP and Annexures.				
	Detailed un-priced Bill of Quantity/Materials envisaged for the project, Make/Brands of all the equipment's/materials conforming to the specifications in this RFP document (As per the format of model of BOQ in Annexure 6)				
	Heat Load Calculations Room wise all sheets & summary sheet (without this Heat Load calculation the Technical Submittal will not be accepted)				
	Summary of Design & Selection of TR, Supply Air, return air, AHU Capacity, Fresh air, Heater etc. (without this Heat Load calculation the Technical Submittal will not be accepted)				
	Typical P&ID for chillers and AHUs				

	Air flow Diagram AHU wise supply air, return Air & Fresh Air etc.				
	AHU wise Zoning Layout Drawing				
	Pressure Gradient Zoning Layout drawing				
	Cleanroom Layout Plan showing Modular Wall Panels, Glazed View Panels, Doors, Return Air Raisers positions.				
	Detailed Cleanroom Layout Drawings of Reflected ceiling plan of all clean rooms showing Ceiling panels, HEPA Filters, Light fixtures				
	Some typical Cross section of the Cleanrooms				
	Single Line diagrams of electrical system, P&ID diagrams of relevant Electrical items				
	Utilities distribution layouts				
	Compressed Dry Air Piping layout with reference to the Compressor & Connecting to the Process tools. P&ID of Compressed dry air indicating all the Components Like Valves, regulators, fittings, Gauges etc.				
	Schematic of Gas pad/gas yard layout and drawing, indicating the Location of GAS distribution System				
	Gas cabinets/ Gas panels/Gas Manifold / VMBs layout and typical P&ID diagrams for all services including the GAS Cabinets with relative Gas Panels. Piping Layout connecting the process tools with Gas panels, Gas cabinets scrubbers & connecting to Extraction Exhaust connections & Utilities etc. Schematic Process Exhaust/Extraction System including Exhaust Duct routing/size etc with reference to Process tools take off points & P&ID				

	SEMI S2 certificate of the Gas cabinet and gas panels.				
	Relevant catalogues & Technical Specifications of the proposed makes				
	PERT/GNAT Chart (Time schedule – Mile stone chart)				
	Organization Chart of the Key personnel proposed for the proposed Project. Site and project management by experienced Clean room team.				
2	Submittals with Financial Priced bid	18			
	Detailed priced Bill of Quantity/Materials envisaged for the project, Make/Brands of all the equipment's/materials conforming to the specifications in this RFP document				
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2	Technical Specifications & Data for Design for different functional areas (as per ROOM BOOK)	22-29			
3	Approach Methodology of Cleanroom Air Management & Cleanroom related HVAC	29-52			

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B	Supply air plenum for Cleanrooms:	30			
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L	Disposable Hooded HEPA filter specifications (For Wet Process Lab)	51			
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5	HVAC Section for Cleanrooms	61-70 (Section 9)			

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E	Valves & Gauges:	68			
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	Vendor shall provide three (3) year on-site comprehensive warranty for the entire installation and include the same in their base price. The warranty shall be for 3 year from the date of installation and acceptance on successful commissioning				
	During the warranty period vendor shall carry out Preventive Maintenance once every quarter at his own cost. Further, Vendor shall attend to break-down in any of the installation performed under the PO/Contract at his own cost within 48 hours of intimation from IIST.				
	Vendor shall also quote post warranty 5 -year comprehensive AMC price separately, as an option.				
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V	Annexures	Separate Documents	CONSIDERED (Y/N) for the following		
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	Annexure 2 Site details with relevant drawings , conceptual P&ID drawings				
	Annexure 3 Equipment Power Rating				
	Annexure 4 Matrix for Clean room and Utility Design				
	Annexure 5 Fire Detection System and Control Panel Specifications				
	Annexure 6 Model BOQ (Sheet)				
	Annexure 7 Compliance Matrix				
	Annexure 8 Supporting documents of process tools for hook up (Additional reference for Annex.4)				