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



ANNEXURE 6

Model BOQ (Sheet) with relevant columns for reference

	Priced BOQ FORMAT (Refer Note at the end)										T					
SL No.	Description of the item specification in brief (Detailed item specification in the technical specification part of tender document)	QTY	Unit (Nos/Sqm/LOT)	Unit Pate	Su	pply	[Total Supply cost Including GST/ Tax (Rs)		Total			Total Installation cost Including GST/	Total Supply & Installation	Makes Considered as per RFP	RFP Reference page number. (For which the item is
			(103) 5411, 201)	(Rs)	(Rs)	GST %	GST Amount	Tax (Rs)	Unit Rate	Installation (Rs)	GST %	GST Amount	Tax (Rs)		per RFP	offered)
1	CLEARROW Literare: Pairins like waij hands, Cellinghink, editing panels, born, View panels, coning, ESD Pooring, Uv filtered expansion lighting, yellow lighting accessories like Aris Moore? Camerate calcudese, Paos Bases, Croas over benches, shohe mach serventies like Aris Moore? Camerate calcudese, Paos Bases, Croas over benches, shohe mach server structures for booking & Valkiation of clearcroom, any other item required Shower Structures for booking & Valkiation of clearcroom, any other item required															
2	them under this entrypy to be listed below as separate rous) Heating Ventilation & Air Conditioning (HVAC) LOW side like AHUs, Heaters, related chilled water piping and its insulation, drain pipes, Al dealding pre-cooling coils, VPD, Humidanz, thermoscient. Dorting, Dath Insulations, for dampers, PFU4, FPU Centrolaboded HEPA Pilters & Benkhe darts, RA Baisers, DA miser Clading, VCD, RA dirik, VCD, Dehandlers, Humidlers, Ir, inch air system, SA & BA diffusers, structural support, ets & any other item required.															
	(Bems under this category to be listed below as separate rows)															
3	Heating Ventilation & Air Conditioning (HVAC) High side like screw Chillers, pumps, expansion (sints, VTDs, Air separators, Presuriation units, expansion tank, chilled water pipes & Its Insansiation, waters, agoues, fittings, air purge valves, thermometers, structural supports etc. any other item required.															
	(Berns under this category to be listed below as separate rows)															
4	Electricals for HVAC & Cleannoum system, connections for Process Tools Process Load Panets, Panets for BBS,LT panets, MCC & PACC panets, MLDB Panets, start oftat & DOL starters, Control, Searcess, VPLo, GT emp & Ro controls, Entritogassiers, adopting state rubber mass, Bubber Jaued givens, DCP type Fire estinguishers, CO2 fire estinguishers, Starters, Control, Searce and Starters, St															
	[Berns under this category to be listed below as separate rows)															
5	Process Extraction Systems: Wet extraction system complete, Polypropyline ducting/piping, SS Dampers, Accessories made of PP/FEP/SSS04, duct supports made of SS304, PC loses with champ, etc. any other tien assrcquited. Dury Extraction System Complete suitable Ducting SS 304 with accessories, dampers, duct suspender, and PVC hoses, damps & complete, any other irem as required.															
	(Berns under this category to be listed below as separate rows)															
6	Compressed Dry Air System: Air-cooled oil injected rotary screw compression A. Accessories, Condensate making: separator, automatic condensate selected separator, and and an anti-anti-anti-anti-anti-anti-anti-anti-															
	(Berns under this category to be listed below as separate rows)															
7	Life, Safety and Security Systems: (Fire &Smoke detection systems as per Annex.5 of RFP, fire suppression, Emergency showers, CCTV etc.															
	(Berns under this category to be listed below as separate rows)															
8	Building Management System (1995); for e Jarram Addressable Multi Criteria Detectors Addressable Forst dyn, annual pult attaina, botters Monitoring modules, Control (Rekay Modules, Fault Isolater Module, Retwork Respeater Paul-Cables & Controls, Gas-based Fors Suppression yurgen with all accessories acCantrols, control, angenetic and the second state of the second state of the control, angenetic context, Cartan Work Station Server with accessories & Acuttols, UFMX Felphane system, Call Arra Networking (LMN), Pable Address System etc. BMS Work Station Hardware, Recorp Yeer, Callbrack Pield Sectors with Cables of the Control and Bardware, Recorp Yeer, Callbrack Pield Sectors with Cables and Candud Conduins, CCV System with accessories, any other item as required.															
F	(Bems under this category to be listed below as separate rows)															
9	Balls & Byerallty Gas Batchebias opticans: Cas Stoppie parch for N20. Cript.or. 395, 076, 076 (CH 2012), 025, 001000 (CH 2013), 025 (CH 2014), 025 (CH 2014															
	(Berns under this category to be listed below as separate rows)															
10	Tool Hookup including Process cooling System Installations as per the Process tools layout & interfacing with all the utilities required. Testing & validation of Gas system															
	(Berns under this category to be listed below as separate rows except new process cooling chillers listed as optional)										-					
п	Others : any other systems required in order to Meet the requirement as mentioned in the RFP on turn key.															
	(Berns under this category to be listed below as separate rows)															
12	Warranty															
13	Process Tools Cooling Chiller. 2 Numbers. (Optional #)															
14	Post warranty 5 -year comprehensive AMC (Optional #)															
	TOTAL															

 State on BOD2.

 "Detailed proces Bill of Quantity/Materials envisaged for the project, Make/Brands of all the equipment's/materials conforming to the specifications in this BFP document, etc. along with price bid

 The BODy of all the items required (now wise as list under each catergory) should be included in confunction with the specifications mentioned in the BFP . Please refer Amesure 5 also for the BOQ relats

 Wendor hall to solve (required) for the quantity of winous items mentioned by them in the BOM/BOQ.

 "Vendor is may add other relevant items under the category '11 Others", facescary

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 "Vendor hall about on provide relevant items inder the category '11 Others", a starter items and the category and the induction with the solution in the Price Bid.

 "Vendor hall about on provide relevant items inder the category '11 Others", as an option.

 "Quated price for Optional # items mentioned as 13b. 14 will not be included in comprehensive statement for determining the L-1.

UnPriced BOQ FORMAT-With Technical Bid(Refer Note at the end)							
SL No.	Description of the item specification in brief (Detailed item specification in the technical specification part of tender document)	QTY	Unit (Nos/Sqm/LOT)	Makes Considered as per RFP	RFP Reference page number. (For which the item is offered)		
1	CLEANROOM Interiens: Fabrics like wall pands, Cellingfords, ceiling, panels, Doors, View panels, coving, ESD Flooring, UV filtered yellow filtms, Cleanroom lighting, yellow lighting, accessories like Air shower, Gamment cubuckes, Pass Boxes, Cross over benches, aboe modes etc. Instruments like Magnethei gauges, Femg & Ht Indicators, safety emergency Shower,Structure for hooking & Validation of cleanroom, any other item required						
2	Benn under this category to be listed below as separate rous) Heating Ventilation & Air Conditioning (HVAC) LOW side like AHUs, Heaters, related childe water piping & its insulation, drain pipes, Al cladding, pre- cooling cols, Humidistat, thermoetait, During, Duct Insulations, fire dampers, FPUs, FPU Controls, Holded HTAP Vitters & Reinde Curts, RA Naters, Ra naire Clading VCD, RA Controls, Holded HTAP Vitters & Reinde Curts, BA Naters, Ra naire Clading VCD, RA support, etc & any other item required.						
	(Items under this category to be listed below as separate rows)						
3	Heating Ventilation & Air Conditioning (HVAC) High side like screw Chillers, pumps, expansion joints, VTDs, Air separators, Presurization units, expansion tunk, chilled water pipes & its insulation, systema, gauges, fittings, air purge valves, thermometers, structural supports etc. any other item required.						
	(Items under this category to be listed below as separate rows)						
4	Electricals for HVAC & Cleanroom system, connections for Process Tools, Process Load Panels, Panels for BMS,LT panels, MCC & PCC panels, MLDB Panels, star delta & DOL starters, Controls, Sensony, PDD, for Temp & Bt, Controls, Larhings, asterg adjects like rubber mats.Rubber hand gloves, DCP type Fire estingiablers, CO2 fire estingiabires, and the starter of the starter of the starter of the starter of the starter starters, Control and Sense Termination of Calles with PVC glands. & Lugs, CRCA Module back boaces, Light fittings, Gl Perforated Cable Trays, PVC Conduits, MS, BLECTRICAL CONTROL, SWITCES & SOCKETS and Telephone system within deannometic & any other item required.						
5	Rems under this category is he listed below as separate rease) Process Extraction Systems: Wet extraction system complete, Polypropyline ducting/piping, SS Dampers, Accessories made of PP/FRP/SS304, duct supports made of SS304, PVC hoses with clamps, etc. any other item asrequired. b.Dry Extraction System Complete:suitable Ducting SS 304 with accessories, dampers, duct suspender, and PVC hoses, clamps & complete, any other irem as required.						
6	Berns under this category to be listed below as separate rouse) Compressed Dry Air System: Air-cooled oil injected rotary acrew compressors. Accessories, Condensate moisture separator, automatic condensate solenoid drain view, sound attenuating enclosure, quick-tach parales etc complete as per specification. Air Dryer Desiccant type with accessories & fittings, filteration system. Tubes, Beginton, pressure could sugge, acCo hyprings, fittings etc. any other item as required. Berns under this category to be listed below as separate rous)						
7	parms unner ous cangory to be insets beauto as separate rous) Life, Safety and Security Systems: (Fire &Smoke detection systems as per Annex.5 of RFP, fire suppression, Emergency showers, CCTV etc.						
	(Items under this category to be listed below as separate rows)						
8	Building Management System (BMS), five alterna, Addressable Multi Csiteria Detectors, Addressable Flord type annual pull station, hoters, Monitoring modules, Control/Belay Modules, Fault Isolator Medule, Network Reporter Pand, Cables & Conduis, Gan-Saned Fire Suppression system with all cacesaries & Acroder actuators, Hittings, supports etc. Access Control System with accessories & for controls, magnetic contracts, Cernita Mork Station Server with accessaries & System on the Station Server with accessaries & Optimistic accession and the Station Server with accessaries & Optimistic accession and with Reids and with second accession of Controller, PM Station Fardware with Reids and wave. Software Integration Controller, PM Sead DDC Controller and hardware, Pactory Pre-Calibrated Field Devices with Cabling and Conduits, CCTV System with accessories, any other line an accessive.						
	(Items under this category to be listed below as separate rows)						
9	Bulk & Specialty Care Distribution systems Can Supply goods for V2O, CDFS,ASPS,CSCF2,CF12H370, 20, 2000 Control Contro						
	(tems under this category to be listed below as separate rows)						
10	Tool Hookup including Process cooling System Installations as per the Process tools layout & interfacing with all the utilities required. Testing & validation of Gas system						
	(Items under this category to be listed below as separate rows except new process cooling chillers listed as optional)						
11	Others : any other systems required in order to Meet the requirement as mentioned in the RFP on turn key.						
	(Items under this category to be listed below as separate rows)						
12	Warranty Process Tools Cooling Chiller. 2 Numbers. (Optional #)						
14	Post warranty 5 -year comprehensive AMC (Optional #)						
-	TOTAL						
					1		

Note on BOQ :

Note on SROV_ Detailed Uprived Bill of Quuntity/Materials emsianged for the project. Make/Brunds of all the equipment's/materials conforming to the specifications in this RPP decomments to be submitted utils technical bid. My pricing algomation shall be assumed in the RPP characteristic of the state of pricing information being disclosed in the Technical bid, the bid shall be summarily rejected. The DOQs of all the tenns required for usides a situ inder each categroupy should be included in confunction utils the specifications mentioned in the RPP. Please refer Annexare's Galo for the DOQ related in Confunction utils the specifications mentioned in the RPP. Please refer Annexare's Galo for the BOQ related to New detection system & control panel "Vendors mills used responsible for the quantify of various terms mentioned by them in the BOM/BOQ. * Vendors may add other relevant items under the categroy '11 Others', if necessary