

**Minutes of Pre-bid Meeting for Procurement of Goods & Equipment and Related Services
for TB laboratories across INDIA**

(Bid Ref No.: SAMS/FIND/Proc./Equipment/ATI/5/2019, dt: 12/03/2019)

The Pre-Bid Meeting was held on 26/03/2019 at 1100 Hrs. in the office of Strategic Alliance Management Services Pvt. Limited (SAMS), New Delhi. Following members were present in the pre-bid meeting:

SAMS Officials:

- i. Mr. Satya Verma, GM – Procurement Services.
- ii. Mr. Dinesh Kumar, Procurement Officer
- iii. Mr. Shivam Anand, Manager (Procurement & Hospital Services)

FIND Officials:

- i. Dr. DSA Karthickeyan, Medical Officer
- ii. Ms. Madhu Agarwal, Procurement officer
- iii. Ms. Pooja Srivastava, Senior Biomedical Engineer
- iv. Mr. Jagdish Panda, Bio Medical Engineer

Bidders' representatives:

Sr. No.	Name and Designation	Name of Firm
1	Mr. Vishal Srivastava, Area Sales Manager	M/s Thermofisher scientific.
2	Mr. Vijay	
3	Ms. Debjyoti,	
4	Mr. Nitin Shayam,	
5	Mr. Arpan Chakraborty, Manager,	M/s Saksham Technologies Pvt. Ltd.
6	Mr. Ravinder peer, Sales Manager,	M/s Yorco Sales Ltd.
7	Ms. Sonal Varshmey,	M/s 3A Analytiks.
8	Mr. R Durai Murugan, India Sales Manager,	M/s Labonco Corporation.
9	Mr. Raman Panday,	M/s Haite Biomedicals Pvt Ltd.
10	Mr. Rajender Kumar, Area Sales Manager,	M/s Himedia Laboratories Pvt. Ltd.
11	Mr. S Siddiqui, Sales Manager,	M/s Axiva Sichem Biotech
12	Mr. Somnath Rampal,	M/s Blue Star
13	Mr. Yogendra Singh,	M/s Ginger Science Pvt. Ltd.
14	Ms. Archana Sarpal,	M/s Grant Instruments
15	Mr. Rajan Sethi, Area Sales Manager,	M/s REMI Sales & Eng.
16	Mr. Rachit malhotral, Director,	M/s International Scientific instrument co, New Delhi.
17	Mr. Pritesh Manoj,	M/s VWR-Part of Avantor, Gurgaon.
18	Mr. Randhir Pathak,	M/s SARP-Biocare, New Delhi.
19	Mr. Saurabh Sagar,	M/s Powerone Micro System, New Delhi.
20	Mr. Mukesh Tiwari, Territory Manager,	M/s Neutation Tech, Gandhinagar, Gujrat.
21	Mr. Tara Chand Patel, Branch Manager,	M/s Eppendorf India Pvt. Ltd.

Proceeding of the pre-bid meeting are as follows:

1. At the outset, SAMS made a briefing about the scope of supplies and related services required through the bid invitation and purpose of the pre-bid meeting.
2. Thereafter, prospective bidders were requested to put up their queries related to scope and terms and conditions given in the Bid Document.
3. The queries from prospective bidders were appropriately responded.
4. The queries sought from prospective bidders as asked during the pre-bid meeting, clarifications sought through mail and purchaser's responses / amendment against each query is summarized in the table given at **Annexure-A**.



**(Dinesh Kumar)
Procurement Officer**

Annexure – A

Responses / Amendments (Amendment No. 2) with regard to queries/suggestions received for Procurement of Goods & Equipment and Related Services for TB Laboratories across INDIA (Bid Ref No. : SAMS/FIND/Proc./Equipment/ATI/5/2019 dt. 12/03/2019)

Sl. No.	Para / Clause Reference in Bid Document/ Page No.	Content of Para / Clause under Reference as per Bid Document	Query / Suggestions	Response / Amendments (Amendment No. 2)*
1	Section-II: Instructions to Bidders (ITB) Para 19.2 Page No. 14	The Bidders who are currently registered with the following, for the specific Goods as required in Section V - Schedule of Requirements, shall be eligible for exemption from submission of Bid Security, provided they submit a self-attested copy of valid registration / recognition certificate issued in their name by i) District Industries & Commerce Centre (DI&CC) from any State/UT Govt. in India; or ii) National Small Industries Corporation (NSIC), New Delhi; or iii) Any other entity providing such certificates as notified by Govt. of India, State / UT Government.	Is exemption of bid security is applicable for NSIC and MSME both.	The exemption from submission of bid security is available to Bidders currently registered with the authorities given in sub-para 1), ii) and iii) of ITB Para 19.2. Such an exemption is available to Micro, Small and Medium Enterprises (MSMEs).
2	Section V – Schedule of Requirements, D. Delivery and Completion Schedule Page No: 34	D. Delivery and completion schedule: Lot-1: Delivery to Consignees within 3 months from the date of issue of the Notification of Award (NOA) at the Consignee addresses given below. Lot-2: Delivery to Consignees within 10 to 12 months from the date of issue of the	It is requested to extend the delivery period from 90 days to 120 days. In routine practice imported Equipment (few) will take some extra time for delivery due to manufacturing and custom clearances.	The delivery Schedule is being amended as under: Lot-1: (a) In case of Indigenous Equipment and those manufactured Abroad (already Imported up to the time of award of contract) : Delivery to Consignees within 3

Sl. No.	Para / Clause Reference in Bid Document/ Page No.	Content of Para / Clause under Reference as per Bid Document	Query / Suggestions	Response / Amendments (Amendment No. 2)*
		Notification of Award (NOA) at the Consignee addresses		<p>months from the date of issue of the Notification of Award (NOA) at the Consignee addresses.</p> <p>(b) In case of Equipment manufactured Abroad (to be imported after award of contract): Delivery to Consignees within 3½ months from the date of issue of the Notification of Award (NOA) at the Consignee addresses.</p> <p>Lot-2: Delivery to Consignees within 10 to 12 months from the date of issue of the Notification of Award (NOA) at the Consignee addresses</p>
3	--	--	It is requested to provide the GST detail of all the consignees, as bidder has to generate E-way Bill for the delivery of Equipment.	<p>It is clarified that all the TB laboratories are under Govt. Hospitals, they don't have any GST Number.</p> <p>Bidders will have to generate invoices in name of SAMS, using the GST No. of SAMS. Invoice shall carry Consignees' address as shipping address</p>

Sl. No.	Para / Clause Reference in Bid Document/ Page No.	Content of Para / Clause under Reference as per Bid Document	Query / Suggestions	Response / Amendments (Amendment No. 2)*
4	<p>Section VII & VIII: Special Conditions of Contract (SCC) of General Conditions of Contract (GCC) Clause 18.1</p> <p>Page No: 72</p>	<p>Within 15 days after the Supplier's receipt of Notification of Award, the Supplier shall furnish Performance Security to the Purchaser for an amount of 10% [insert as appropriate] of the contract value, valid up to 90 days after the date of completion of performance obligations including warranty obligations.</p> <p>In the event of any correction of defects or replacement of defective material during the warranty period, the warranty for the corrected/replaced material shall be extended to a further period of 12 months and the Performance Bank Guarantee for proportionate value shall be extended 90 days over and above the extended warranty period.</p>	<p>It is requested to submission of Performance Bank Guarantee (PBG) shall be as per the Purchase order awarded against the contract for supply of Equipment (lot wise).</p>	<p>The requirement is being amended as under:</p> <p>(a) Within 15 days after the Supplier's receipt of Notification of Award, the Supplier shall furnish Performance Security to the Purchaser for an amount of 10% [insert as appropriate] of the contract value equivalent to the items under Lot-1, valid up to 90 days after the date of completion of performance obligations including warranty obligations of items under Lot-1.</p> <p>(b) An additional Performance security shall be submitted for an amount equivalent to 10%[insert as appropriate] of the contract value equivalent to the items under Lot-2, valid up to 90 days after the date of completion of performance obligations including warranty obligations of items under Lot-2.</p>

Sl. No.	Para / Clause Reference in Bid Document/ Page No.	Content of Para / Clause under Reference as per Bid Document	Query / Suggestions	Response / Amendments (Amendment No. 2)*
5	<p>Section V – Schedule of Requirements, 3. Technical Specifications, A. Technical Specifications - General Requirements, 4. Comprehensive Warranty Period & CMC Services: BSC class II A2 with thimble/ canopy connection and with UPS, Additional Requirement for installation of BSC</p> <p>Page No: 38</p>	<p>Additional Requirements for Installation of BSC:</p> <p>Providing Technical Assistance for Successful Installation: The ducting work for BSCs at all sites shall be done by separate agency hired for upgradation of TB Containment Lab. However, bidder shall provide necessary technical support for successful installations, testing and commissioning of these units respective of the fact that ducting will be done by another agency.</p> <p>Unit rate for BSC with ducting length of 20 feet along with accessories to be provided in the financial proposal of the bid.</p>	<p>Please clarify if the unit price of ducting shall be considered for financial evaluation or not?</p> <p>Please also clarify the purpose of seeking price as part of bid price</p>	<p>It is to clarify that the cost of ducting shall not be considered in financial evaluation.</p> <p>The unit rate should be quoted “<i>per running feet</i>” inclusive of all accessories.</p> <p>The Unit rate should be quoted in the Price Schedule (format given in Section-VI) as an “additional line item” under the Schedule</p>
6	<p>Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 1 - Biological Safety Cabinet Class 2A with thimble /canopy and with Uninterrupted Power Supply (UPS)</p> <p>Page No: 46</p>	<p>Biological Safety Cabinet Class 2A with thimble /canopy and with Uninterrupted Power Supply (UPS)</p>	<p>It should be Biological Safety Cabinet Class II type A2 with thimble/canopy and with uninterrupted power supply.</p>	<p>The title / name of the equipment is being amended as under: Typo error rectified in below statement</p> <p>Biological Safety Cabinet Class II, Type A2 with thimble /canopy and with Uninterrupted Power Supply (UPS)</p>

Sl. No.	Para / Clause Reference in Bid Document/ Page No.	Content of Para / Clause under Reference as per Bid Document	Query / Suggestions	Response / Amendments (Amendment No. 2)*
7	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 1 - Biological Safety Cabinet Class 2A with thimble /canopy and with Uninterrupted Power Supply (UPS) 1. Main Specifications: (b) Page 46	1. Main Specifications: (b) External height ≤2200 mm including support stand, allowing an available space of at least 400 mm from the top of the BSC to the ceiling.	It is requested that the Cabinet height asked for 2200 mm it's depending upon support stand, because you asked for three different type of support. Can you explain this point?	The technical specification remains unchanged.
8	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 1 - Biological Safety Cabinet Class 2A with thimble /canopy and with Uninterrupted Power Supply (UPS) 1. Main Specifications: (b) Page 46	1. Main Specifications: (b) External height ≤2200 mm including support stand, allowing an available space of at least 400 mm from the top of the BSC to the ceiling. Higher versions may be accepted, provided the 400 mm over the BSC is available to measure air velocity above the exhaust filter, and to have enough space for changing the filter and for ducting and/ or a thimble connection to outlet.	It is requested to amend the text “air velocity” with “air volume” since it is intended to measure air volume.	The technical specification remains unchanged.
9	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 1 - Biological Safety Cabinet Class 2A with thimble /canopy and with	2. Internal working area (approximate): (d) External housing, including screws, made of stainless steel or equivalent resistant galvanized (zinc-coated) sheet steel, subsequently powder coated and thermally hardened; minimum 80 mm thick, or other material that is hard-wearing, resistant to	It is requested to clarify the purpose of asking for minimum 80 mm thickness. Please review the requirement.	Typo error rectified in below statement External housing, including screws, made of stainless steel or equivalent resistant galvanized (zinc-coated) sheet steel, subsequently powder coated and thermally hardened; minimum 80

Sl. No.	Para / Clause Reference in Bid Document/ Page No.	Content of Para / Clause under Reference as per Bid Document	Query / Suggestions	Response / Amendments (Amendment No. 2)*
	<p>Uninterrupted Power Supply (UPS) 2. Internal working area (approximate): (d)</p> <p>Page 46</p>	<p>disinfectants and chemicals used in a TB laboratory, and abrasion resistant.</p>		<p>μm thick GI Sheet, or other material that is hard-wearing, resistant to disinfectants and chemicals used in a TB laboratory, and abrasion resistant.</p>
10	<p>Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 1 - Biological Safety Cabinet Class 2A with thimble /canopy and with Uninterrupted Power Supply (UPS) 2. Internal working area (approximate): (e)</p> <p>Page 46</p>	<p>2. Internal working area (approximate) (e):</p> <p>Vertically adjustable sliding window: aerosol-tight, sliding, safety glass (laminated multilayer safety glass only), thickness ≥ 6.7 mm, counterbalanced.</p>	<p>It is suggested to amend the requirement as under:</p> <p>“Vertically adjustable sliding window: aerosol-tight, sliding, safety glass (Tempered safety glass / laminated multilayer safety glass), thickness ≥ 6.7 mm, counterbalanced.”</p>	<p>The technical specification remains unchanged.</p>
11	<p>Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 1 - Biological Safety Cabinet Class 2A with thimble /canopy and with Uninterrupted Power Supply (UPS), 2. Internal working area (approximate): (j)</p> <p>Page 46</p>	<p>2. Internal working area (approximate): (j)</p> <p>Single-piece working surface with integrated (V-shaped) front air grill.</p>	<p>It is suggested to accept “arm rest” as an alternate to “V-shaped front air grill”.</p>	<p>The Single-piece working surface with integrated front air grill.</p>

Sl. No.	Para / Clause Reference in Bid Document/ Page No.	Content of Para / Clause under Reference as per Bid Document	Query / Suggestions	Response / Amendments (Amendment No. 2)*
12	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 1 - Biological Safety Cabinet Class 2A with thimble /canopy and with Uninterrupted Power Supply (UPS), 2. Internal working area (approximate): (k) Page 46	2. Internal working area (approximate): (k) Alternative: Working surface as segments.	It is requested to clarify that the working surface required Alternative or segmented	The requirement is being amended as under: 2. Internal working area (approximate): (k) Alternative: Single-piece working surface
13	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 1 - Biological Safety Cabinet Class 2A with thimble /canopy and with Uninterrupted Power Supply (UPS), 5. Optional: Page 47	Optional: ultraviolet C (UVC) light (253.7 nm wavelength); 30 W with hour counter; with interlock with white light so that the UVC light can be switched on only when the white light source is switched off.	It is requested to clarify that why is there optional requirement of UVC light.	The equipment should have mandatory feature of ultraviolet C (UVC) light (253.7 nm wavelength); 30 W with hour counter; with interlock with white light so that the UVC light can be switched on only when the white light source is switched off.
14	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 1 - Biological Safety Cabinet Class 2A with thimble /canopy and with	Optional: (if a safety gas burner will be used): Gas tap with solenoid valve, optional right or left side.	It is requested to clarify that why is there optional requirement of Gas tap with solenoid valve, optional right or left side.	Specification remains same. There is no change in technical specifications.

Sl. No.	Para / Clause Reference in Bid Document/ Page No.	Content of Para / Clause under Reference as per Bid Document	Query / Suggestions	Response / Amendments (Amendment No. 2)*
	Uninterrupted Power Supply (UPS), 6. Optional: Page 47			
15	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 1 - Biological Safety Cabinet Class 2A with thimble /canopy and with Uninterrupted Power Supply (UPS), 6. Optional: (a) Page 47	For a laboratory located in a seismic area, gas pipes are not recommended; small gas containers (approximately 200–400 ml) with butane gas directly fixed to the burner to be used instead.	It is requested to clarify the statement.	Specification remains same. There is no change in technical specifications.
16	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 1 - Biological Safety Cabinet Class 2A with thimble /canopy and with Uninterrupted Power Supply (UPS), 8. Influx air velocity Page 47	Influx air velocity:	It is requested to change the name of Influx air velocity into Inflow air velocity	The requirement is being amended as under: <u>Inflow air velocity</u>
17	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 1 - Biological Safety Cabinet	Spare Parts :- One additional set of HEPA filters.	It is requested to clarify that why there is need of one additional set of HEPA Filter.	Spare Parts :- One additional set of HEPA filters.: Not required

Sl. No.	Para / Clause Reference in Bid Document/ Page No.	Content of Para / Clause under Reference as per Bid Document	Query / Suggestions	Response / Amendments (Amendment No. 2)*
	<p>Class 2A with thimble /canopy and with Uninterrupted Power Supply (UPS), 16. Spare Parts (b)</p> <p>Page 49</p>			
18	<p>Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 2 - Refrigerator 300-450 lit</p> <p>Page 52</p>	<p>- Refrigerator 300-450 lit</p> <p>Vertical, Capacity 300 lts or more (up to 450L), Frost free, CFC free, Single door.</p>	<p>It is requested to clarify if:</p> <ol style="list-style-type: none"> 1. the Equipment should be with freezer or without freezer; and 2. the Equipment should be with external glass door for clear content visibility. 	<p>It is clearly mentioned in the technical specifications that the requirement is for household refrigerators</p>
19	<p>Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 3 - Refrigerator 165-200 lit</p> <p>Page 53</p>	<p>- Refrigerator 165 lts or more (up to 200 lit</p> <p>Vertical, Capacity 165lts or more (up to 200 L), Frost free, CFC free, Single door.</p>	<p>It is requested to clarify if:</p> <ol style="list-style-type: none"> 1. the Equipment should be with freezer or without freezer; and 2. the Equipment should be with external glass door for clear content visibility. 	<p>It is clearly mentioned in the technical specifications that the requirement is for household refrigerators</p>
20	<p>Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 4 – Laboratory Incubator (37° C), 2. Main Specifications (a)</p> <p>Page 58</p>	<p>2. Main Specifications (a) - Temp: 37° C Incubator (Temp. variation $\pm 0.5^{\circ}\text{C}$), Memmert Type, Capacity approx. 400L $\pm 10\%$</p>	<p>Please explain why Incubator should be Memmert type?</p>	<p>Specification remains same. There is no change in technical specifications.</p>

Sl. No.	Para / Clause Reference in Bid Document/ Page No.	Content of Para / Clause under Reference as per Bid Document	Query / Suggestions	Response / Amendments (Amendment No. 2)*
21	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 4 – Laboratory Incubator (37° C), 2. Main Specifications (a) Page 58	2. Main Specifications (a) - Temp: 37° C Incubator (Temp. variation $\pm 0.5^{\circ}\text{C}$), Memmert Type, Capacity approx. 400L $\pm 10\%$	Please clarify if you need mechanical convection or Natural (fan based) convection	Both type of convection methods adopted are acceptable.
22	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 4 – Laboratory Incubator (37° C), 2. Main Specifications (b) Page 58	2. Main Specifications (b) - Inner chamber made up of Stainless steel make of SS-304 grade, full length inner acrylic security glass door	It is requested to specify the grade of Steel and certification requirement, if any	The requirement is being amended as under: Inner chamber made up of Stainless steel make of SS-304 grade, full length inner acrylic security glass door (please submit the Material of Construction certificate of SS-304 grade)
23	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 5 – Refrigerated Centrifuge, 2. Main Specifications (b) Page 55	2. Main Specifications (f) - Rotor buckets with aerosol-tight, transparent	It is requested to ask third party certification in this regard.	There is no change in technical specification. No third-party certificate is required.

Sl. No.	Para / Clause Reference in Bid Document/ Page No.	Content of Para / Clause under Reference as per Bid Document	Query / Suggestions	Response / Amendments (Amendment No. 2)*
24	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 5 – Refrigerated Centrifuge, 2. Main Specifications (n) Page 55	2. Main Specifications (n) - Input and recall of programs, atleast 20 storage position.	It is requested to change the storage position requirement to 10	There is no change in technical specification.
25	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 6 – Inspissator Page 58	General Requirement	It is requested to add the requirement of Servo Stabilizer of adequate capacity to be supplied with the machine	The requirement is being amended as under: Voltage stabilizer of adequate capacity to be provided with each unit of Inspissator.
26	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 6 – Inspissator, 1. Main Specifications (b) Page 58	1. Main Specifications (b) - The surface of the tray is a series of sloping steps (at 9 degree angle above the horizontal) and will hold 162 universal containers.	It is requested to ask for two sets of SS make racks for holding 162 universal containers to be provided with each unit	Two sets of SS make rack for holding 162 universal container to be provided with each unit.
27	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 8 – Autoclaves: Horizontal (200-220 L), 2. Main Specifications (d) Page 61	2. Main Specifications (d) Inner dimensions of chamber: 200 – 220 L	Please allow to quote for 200 ltr to 240 ltr	There is no change in technical specification.

Sl. No.	Para / Clause Reference in Bid Document/ Page No.	Content of Para / Clause under Reference as per Bid Document	Query / Suggestions	Response / Amendments (Amendment No. 2)*
28	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 10 – Precision Balance, 2. Main Specifications (a) Page 65	2. Main Specifications (a) Electronic balance, weighing capacity 60 g, 120 g or 210 g.	It is requested to specify the requirement of weighing balance (60g, 120g or 210g ?)	The requirement is being amended as under: Electronic balance, weighing capacity <u>210 g.</u>
29	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 16 – Water Bath, 1. Main Specifications (e) Page 75	1. Main Specifications (e)- Dimensions outside: - (approx.)36x41x25 cms; inside:- (approx.)27x30x15 cms; Capacity not given because the dimensions specified are required for the proper functioning of the water bath in the Laboratory for optimum utilization of the space.	It is requested that to provide the volume / capacity of the water Bath.	There is no change in technical specification.
30	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 16 – Water Bath, 1. Main Specifications (a) Page 75	1. Main Specifications (a)- Stainless Steel, insulated double walled, Inner wall of stainless steel	It is requested to mention the grade of steel	The requirement is being amended as under: Stainless Steel, insulated double walled, Inner wall of stainless steel at least SS304
31	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 17 – Hot Air Oven, 1. Main Specifications (e) Page 76	1. Main Specifications (e)- Stainless steel (SS) interiors with supports on three sides, adjustable three shelves.	It is requested to mention the grade of steel	Stainless steel at least <u>(SS-304)</u> interiors with supports on three sides, adjustable three shelves.

Sl. No.	Para / Clause Reference in Bid Document/ Page No.	Content of Para / Clause under Reference as per Bid Document	Query / Suggestions	Response / Amendments (Amendment No. 2)*
32	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 19 - Deep Freezer (-86° C), 4. Size (a) Page 78	4. Size (a) 300 liters or more (up to 450 L) with minimum 4 Stainless Steel, rust free shelves.	The range of Equipment is too wide and with capacity of 3 Stainless Steel, rust free shelves.	Technical Specifications remains unchanged.
33	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 19 - Deep Freezer (-86° C), 4. Size (c) Page 78	4. Size (c) Polystyrene Insulated inner doors for the compartments.	Prospective bidder that the range of Equipment with 4 doors or 5 doors	Technical Specifications remains unchanged.
34	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 19 - Deep Freezer (-86° C), 6. Refrigeration system: (c) Page 78	6. Refrigeration system: (c) - Short cooling time of 6 to 7 hours at 40°C ambient temperature.	It is requested that the short cooling time of 6 to 7 hours at 40°C ambient temperature changed to 8-9 hours to reach -70° C at ambient of 25-30° C	Technical Specifications remains unchanged.
35	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 19 - Deep Freezer (-86° C), 6. Refrigeration system: (d) Page 78	6. Refrigeration system: (d) - The equipment should be of continuous duty and frost- free.	It is requested to clarify the equipment should be of continuous duty and frost-free or manual frost It is requested to clarify the Deep freezer shall not have an automated	Refrigeration system: (d) - The equipment should be of continuous duty

Sl. No.	Para / Clause Reference in Bid Document/ Page No.	Content of Para / Clause under Reference as per Bid Document	Query / Suggestions	Response / Amendments (Amendment No. 2)*
			defrosting system without a manual override	
36	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 19 - Deep Freezer (-86° C), 6. Refrigeration system: (e) Page 78	6. Refrigeration system: (e) - Convenient Air Filter Grill allows easy access for cleaning and changing. Access port for CO2 back up.	It is requested to clarify the clarify access port for cO2 backup	Technical Specifications remains unchanged.
37	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 19 - Deep Freezer (-86° C), 6. Refrigeration system: (f) Page 78	6. Refrigeration system: (f) - It shall be fitted with 24x7 temperature recorders / data loggers which allows for a minimum of 3 GB data storage and the data must be downloadable via a USB port.	It is requested to clarify the requirement	Technical Specifications remains unchanged.
38	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 19 - Deep Freezer (-86° C), 6. Refrigeration system: (h) Page 78	6. Refrigeration system: (h) - Audiovisual Electronic Alarm System independent of power supply and Remote alarm contact in case of equipment failure/ power failure	It is requested to remove the requirement of Remote alarm contact in case of equipment failure / power failure	Technical Specifications remains unchanged.

Sl. No.	Para / Clause Reference in Bid Document/ Page No.	Content of Para / Clause under Reference as per Bid Document	Query / Suggestions	Response / Amendments (Amendment No. 2)*
39	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 20 - Deep Freezer (-20° C), 2. Main Specifications: (c) Page 79	2. Main Specifications (c) - Capacity (gross): ≥140 liters (up to 200L).	It is requested to allow us to quote up to the limit of 270 L	Technical Specifications remains unchanged.
40	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 20 - Deep Freezer (-20° C), 2. Main Specifications (f) Page 79	2. Main Specifications (f) - Cooling system, static.	It is requested to amend the specification for cooling system from “Static” to “Static / Independent Self Cooling Coil”	Technical Specifications remains unchanged.
41	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 20 - Deep Freezer (-20° C), 2. Main Specifications (g) Page 79	2. Main Specifications (g) - Defrosting of freezing compartment, initiated manually.	It is requested that the manual defrosting should be acceptable;	Technical Specifications remains unchanged.
42	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 20 - Deep Freezer (-20° C), 2. Main Specifications (h) Page 79	2. Main Specifications (h) - Temperature range of freezer compartment: –9°C to –25°C which can be set by user for specific temperature	It is requested that the temperature range should be changed to -10°C to -25°C)	Technical Specifications remains unchanged.

Sl. No.	Para / Clause Reference in Bid Document/ Page No.	Content of Para / Clause under Reference as per Bid Document	Query / Suggestions	Response / Amendments (Amendment No. 2)*
43	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 20 - Deep Freezer (-20° C), 2. Main Specifications (i) Page 79	2. Main Specifications: (i) - Housing material and door: steel, coated, white.	It is requested to please clarify the grade of steel.	The requirement is being amended as under: Housing material and door: steel at least (SS304) , coated, white
44	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 20 - Deep Freezer (-20° C), 2. Main Specifications (j) Page 79	2. Main Specifications: (i) - Polyurethane foam “PUF” insulation	It is requested to please amend the specification as Polyurethane foam “PUF” insulation/ Cyclopentane Foam “CPF” insulation	The technical specification remains unchanged.
45	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 20 - Deep Freezer (-20° C), 2. Main Specifications: (o) Page 79	2. Main Specifications: (o) - Interior container made of white plastic. At least three shelves with wire baskets. Optional - Four shelves in the freezing compartment, at least three closed with a freezing flap.	It is requested that the interior with at least three shelves with wire baskets or sealed drawers shall be acceptable	Technical Specifications remains unchanged.
46	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 20 - Deep Freezer (-20° C), 3. Electricity Requirements: (b) Page 79	3. Electricity Requirements: (b) - Power consumption: Approximately 150 W.	It is requested that increase Power consumption: Approximately 150 W to 230 W.	Technical Specifications remains unchanged.

Sl. No.	Para / Clause Reference in Bid Document/ Page No.	Content of Para / Clause under Reference as per Bid Document	Query / Suggestions	Response / Amendments (Amendment No. 2)*
47	Section V – Schedule of Requirements, 3. Technical Specifications, B. Technical Specifications – Specific Requirements, Schedule 20 - Deep Freezer (-20° C), 3. Electricity Requirements: b (i) Page 79	3. Electricity Requirements: b (i) - Conform to Indian Electrical Safety standards or International standards like IEC 60601–1, UL 61010–1, EN 61010–1.	It is requested that remove the Electrical Safety standards or International standards UL 61010–1, EN 61010–1.	Technical Specifications remains unchanged.