



State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT)

19-A, Rukmani Lakshmiipathy Road, Egmore, Chennai - 600 008

Request for Proposal (RFP) for PROCUREMENT OF EQUIPMENTS FOR EMI/EMC LABORATORY AT MEDICAL DEVICES PARK, ORAGADAM PHASE-II, CHENNAI, TAMIL NADU

Tender Reference No. SIPCOT/Medical Devices Park/Equip-I/3/2022, Dated. 12.10.2022

Responses to Queries, Dated : 01 .11.2022

#	Page No.	Clause Description	Clarification Requested/Suggestion	SIPCOT's Response
1.	Pg. No.58, A.4 Point 6	Test Environment: Ergonomically designed essential worktable, equipment racks and associated furniture have to be supplied as per standards for ESD, EFT, Surge, magnetic fields, voltage dips, harmonic & flicker, conducted emission and conducted immunity testing.	Requested the clarification on the Test Environment.	It has been clarified and Tender Condition Prevails.
2.	Pg. No.58, A.5 Point 5, Sub Point 3	Fire detection and fire extinguishing system for SAC, CR, AR & NSR: The following systems to be provided by the vendor: • Two nos of CO2 cylinders on manifold with 30 m hose on roll.	Requested the clarification on Fire Extinguishing units and their sizes.	Kindly refer Corrigendum-I

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3.	Pg. No.58, A.5 Point 7	Air conditioning system (SAC, CR, AR & NSR): Sub Point 2: Air conditioning system required for the chamber to maintain the temperature between 22 ± 2 °C will be provided by the Vendor.	We request the Authority to kindly change the temperature limit between 22 ± 2 °C to 24 ± 2 °C	Kindly refer Corrigendum-I
4.	Pg.No.60,71 & 79	Note: Bidder should also quote suitable UPS for the entire system with 30 minutes backup.	We request the Authority to remove it from Schedule -I	For Schedule I (Pg.No.60) Note Point - Kindly refer Corrigendum-I For Schedule II (Pg. No.71) & III (Pg.No.79) Tender Condition Prevails.
5.	Pg.No.52	Bidder shall be responsible for complete design, construction, supply, testing and commissioning of RF Shielded Semi-Anechoic Chamber, RF Shielded Amplifier Room, RF Shielded Control Room and Non Shielded Room for other test as specified along with necessary testing equipment.	We request the Authority to Delete Construction from the scope of the work.	The Vendors are explained in detailed requirements. Tender Condition Prevails
6.	Pg.No.52 & 53	Chamber Performance Criteria: The analytical result of the Field Uniformity is to be provided.	We request Authority clarification on the Chamber Performance Criteria	The Measurement Results of the similar Semi Anechoic chambers is equally acceptable for the field uniformity.

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7.	Pg.No.53, Point 8	Dimension: Minimum External Dimension - 8.5 m ± 0.2 m (L) x 6 m ±0.2 m (W) x 6 m ±0.2 m (H)	We request the Authority to Provide the exact Dimensions of the space available to house the Chamber because the Dimensions of the Chamber are Greater than as Specified in the Tender Document.	The Dimension of the Anechoic Chamber as per the drawings attached in the Tender Document at Pg.No.119 is 10.075m (L) X 7.025m (W). The Clear Height from the Finished Floor Level is Approximately 9.00m.
8.	Pg.No.55, Point 23	Turn Table: <ul style="list-style-type: none"> • Heavy duty turntable - 2.0 m (6'-6"). • 1,500 kg distributed weight capacity. • Terminal box remote control through Device Controller. 	We request the Authority to change 1500kg distributed weight capacity to 1000kg.	Kindly refer Corrigendum-I
9.	Pg.No.59, Point 7	Audio Intercom System: The vendor has to provide audio intercom system between SAC & CR and between NSR &CR	We request the Authority to kindly provide the EMI/EMC requirements for the Audio Intercom System.	Kindly refer Corrigendum-I
10	Pg.No.57, Point 4	Power Line Filters: <ul style="list-style-type: none"> • RF Power Line Filters with 100 dB insertion loss from 10 kHz to 18 GHz. 	We request the Authority to add 1 no. filter of 230V/50Amp single Phase for Power Line Filters for each Control room and Amplifier room.	Kindly refer Corrigendum-I

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		<ul style="list-style-type: none"> For Instrumentation/ Lighting & Others: 3 Ø - 4 Line, 440 V, 50 Hz, 50 A – 1 No 		
11	Pg.No.61, B.2, Point 2	Test level: 30 V/m @ CW & 80% AM or 54 V/m at 3 m test distance	We request the Authority to kindly specify the Area.	It is clarified and Tender Condition Prevails.
12	Pg.No.61, B.2, Point 3.5	Level: - 120 dBm to + 10 dBm or more	We request the Authority to kindly clarify on the Level.	It is clarified and Tender Condition Prevails.
13	Pg.No.64, Point 8	ISOTROPIC FIELD STRENGTH PROBE (02 Nos.) ALONG WITH FIELD PROBE MONITOR (1 No.)	We request the Authority to kindly clarify on the Isotropic Field Strength Probe.	It is clarified and Tender Condition Prevails.
14	Pg.No.63, Point 5.9	Harmonic distortion: Minimum - 20 dBc at 1 dB compression point. Data of harmonic distortion measurement @ 1dB compression to be provided.	We request the Authority to kindly clarify on the Harmonic Distortion Levels.	Kindly refer Corrigendum-I

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15	Pg.No.64, Point 9	ANTENNAS FOR IMMUNITY	We request the Authority to kindly change the clause to ANTENNAS FOR IMMUNITY WITH TRIPODS.	Kindly refer Corrigendum-I
16	Pg.No.64, Point 7	POWER SENSORS	We request the Authority to clarify on the Power Sensors.	Kindly refer Corrigendum-I
17	Pg.No.67, Point 3.5	Power: 230 V, AC	We request the Authority to kindly clarify the power for the Pre Amplifier.	It is Clarified and the Tender Condition Prevails.
18	Pg.No.69, Point 4	Reference Generators	We request the Authority to kindly clarify on the Reference Generators.	It is Clarified and the Tender Condition Prevails.
19	Pg.No.62, Point 4.3	Rated Output Power: 1000 W minimum. The Vendor shall bid for the amplifier which can generate 30 V/m @ 3 m distance from the transmitting antenna @ 1 dB compression point or linear region of the amplifier for the	We request the Authority to kindly clarify on the Rated Output Power.	It is Clarified and the Tender Condition Prevails.

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		complete frequency range.		
20	Pg.No.63, Point 5.4	Power output at 1 dB compression: 200 W minimum	We request the Authority to kindly clarify on the Power Output for RF Power Amplifier-2	It is Clarified and the Tender Condition Prevails.
21	Pg.No.63, Point 4.11 & Point 4.13	Connectors (I/O): Rear Panel - Type N female. Directional Coupler: Low SWR and transmission loss, better coupling factor and power handling capacity Frequency: 80 MHz – 1 GHz , Power: 1000 W Coupling Factor: > 50 dB Connectors : N(M) – N(F) – Main Line N(F) – Coupled Ports Calibration should be possible for the Directional Coupler	We request the Authority to kindly clarify on the Connectors and Directional Coupler.	Kindly refer Corrigendum-I

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22	Pg.No.69, Point 1.18	Tracking Generator: Required	We request Authority to kindly replace Tracking Generator as Tracking Generator/ Signal Generator (up to 6 GHz)	Kindly refer Corrigendum-I
23	Pg.No.66, Point 1.16	Total measurement uncertainty: 1.0 dB or better	We request Authority to kindly change 1.0 dB or better to 1.1 dB or Better	Kindly refer Corrigendum-I
24	Pg.No.66, Point 1.12	Average Noise level (Receiver mode)	We request Authority to kindly clarify on the Average Noise Level	It is Clarified and the Tender Condition Prevails.
25	Pg.No.65, Point 9.2	Horn Antenna	We request Authority to kindly clarify on the Horn Antenna	It is Clarified and the Tender Condition Prevails.
26	Pg.No.64, Point 8.2	Frequency Range: 30 MHz – 18 GHz min.	We request Authority to kindly clarify on the Frequency Range	It is Clarified and the Tender Condition Prevails.

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27	Pg.No.72, Point 7	Repetition Rate: 0.05 s to 99.9 s \pm 10%	We request Authority to kindly modify the Repetition Rate from 0.05 to 99.9 s \pm 10% to 0.05 to 60.0 s \pm 10%	Kindly refer Corrigendum-I
28	Pg.No.73, Point 24	Oscilloscope & Calibration Target: Oscilloscope – Sampling Rate of minimum 2GHz & Calibration target shall be included. Additionally all verification kit for ESD, EFT/BURST & Combination Wave/Surge (C1, C2, C3 of the Section –VII) shall be provided in scope of supply.	We request Authority to kindly clarify on the Oscilloscope & Calibration Target	Kindly refer Corrigendum-I
29	Pg.No.73, Point 8	Burst Duration td: 0.10 ms – 999 ms	We request Authority to kindly change the Burst Duration td as 0.10 ms – 30.00 ms.	Kindly refer Corrigendum-I
30	Pg.No.74, Point 19	Computer with control software and Report Generation: Should supply with PC (Latest Generation Intel i7 with 4GB RAM and 500GB HD. 20" LED Monitor. GPIB, USB Interface and Latest Microsoft office). Software to control the equipment and	We request Authority to clarify on the Computer with Control Software and Report Generation.	Kindly refer Corrigendum-I

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		Should be able to generate Test report.		
31	Pg.No.75, Point 19	Computer with control software and Report Generation: Should supply with PC (Latest Generation Intel i7 with 4GB RAM and 500GB HD. 20" LED Monitor. GPIB, USB Interface and Latest Microsoft office). Software to control the equipment and Should be able to generate Test report.	We request Authority to clarify on the Computer with Control Software and Report Generation.	Kindly refer Corrigendum-I
32	Pg.No.77, Point 4	Power Meter: 2 channels, to measure Forward and Reverse Power. (BCI Probe is not mandatory for Medical Equipment testing and the same shall not be considered)	We request Authority to clarify on the Power Meter.	Kindly refer Corrigendum-I
33	Pg.No.78, Point 2	Rack: The Vendor shall provide all necessary trolleys, racks, furniture to integrate the system.	We request Authority to clarify on the Rack.	It is Clarified and the Tender Condition Prevails.

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34	Pg.No.63, Schedule-2, Under Point 4- New Point Included (Point 4.14)	-	-	Kindly refer Corrigendum-I
35	Pg.No.80, Point 1	<p>Warranty:</p> <ul style="list-style-type: none"> • Three years Comprehensive Warranty as per Conditions of Contract of the TE document for complete equipment (including Batteries for UPS, other pneumatic parts wherever applicable) from the date of installation, commissioning and Turnkey Work from the date of satisfactory installation, commissioning, trial run & handing over of equipment to Purchaser/Consignee. • 95% up time Warranty of complete equipment with extension of Warranty period by double the downtime period on 24 (hrs) X 7 (days) X 365 (days) basis subject to a maximum of 1 year extension for 3 year warranty period. All software updates should be 	We request Authority to clarify on the Warranty.	It is Clarified and the Tender Condition Prevails.

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		<p>provided free of cost during Warranty period.</p> <ul style="list-style-type: none"> In case of failure or maintenance issue extended more than 1 week (even if the overall uptime is 95%) , the warranty period shall be extended for the double the downtime period over and above one week for a single event subject to a maximum of 1 year extension for 3 year warranty period 											
36	Pg.No.36, Point 15	Warranty	We request the Authority to remove Consumables from the warranty.	It is clarified and can refer Pg. No. 37, Clause 15.2 under sub point 2.									
37	Pg.No.4, Point 2	<table border="1"> <thead> <tr> <th>S.No.</th> <th>Description</th> <th>Schedule</th> </tr> </thead> <tbody> <tr> <td>v.</td> <td>Last date & Time for receipt of Tender</td> <td>15.11.2022, 15.00 Hrs (IST)</td> </tr> <tr> <td>vi.</td> <td>Date and Time of opening of Techno – Commercial tenders</td> <td>15.11.2022, 16.00 Hrs (IST)</td> </tr> </tbody> </table>	S.No.	Description	Schedule	v.	Last date & Time for receipt of Tender	15.11.2022, 15.00 Hrs (IST)	vi.	Date and Time of opening of Techno – Commercial tenders	15.11.2022, 16.00 Hrs (IST)	We request the Authority to kindly Extend the Last Date & Time for Receipt of Tender.	Kindly refer Corrigendum-I
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38	Pg.No.16, Point 13.5.1	GST (Goods & Service Tax)	We request Authority to kindly clarify on the GST & IGST.	<p>GST: For the Domestic Components the GST should be borne by the bidder and should include the same in the price bid.</p> <p>IGST: IGST being a component of Custom Duty, it will be borne by the Purchaser (SIPCOT).</p>
39	Pg.No.33, Point 11	Insurance	We request Authority to clarify on the Insurance Terms.	It is Clarified and the Tender Condition Prevails.
40	Pg.No.33, Point 10.1	<p>Instructions for transportation of imported goods offered from abroad:</p> <p>The supplier shall not arrange part-shipments and/or transshipment without the express/prior written consent of the purchaser. The supplier is required under the contract to deliver the goods under DAP terms at consignee site basis.</p>	We request Authority to clarify on the Part Shipments and requested to kindly allow the part shipments.	It is Clarified and the Tender Condition Prevails.

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41	Pg.No.33, Point 19.7	In the case of Bank Guarantee furnished from banks outside India (i.e. foreign Banks), it should be authenticated and countersigned by any nationalised bank in India by way of back-to-back counter guarantee and the same should be submitted along with the bid.	We request Authority to include Schedule Bank for Counter Guarantee if the BG is furnished from banks outside India.	Kindly refer Corrigendum-I

**Sd/-
Managing Director**