State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT)

19-A, Rukmani Lakshmipathy 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

Corrigendum-I, Dated : 01.11.2022

#	Reference	Contents of the Tender Document	To be Read as
1.	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 CO_2 cylinders on manifold with 30 m hose on roll.	• Two (2) nos of Hand Held CO_2 cylinders.
2.	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.	Air conditioning system required for the chamber to maintain the temperature between 24 ± 2 °C will be provided by the Vendor.

#	Reference	Contents of the Tender Document	To be Read as
3.	Pg.No.60,71 & 79	**Note:** Bidder should also quote suitable UPS for the entire system with 30 minutes backup.	The Note Point is Deleted for Schedule-I (Pg.No.60).
4.	Pg.No.55, Point 23	**Turn Table:** • Heavy duty turntable - 2.0 m (6'-6"). • 1,500 kg distributed weight capacity. • Terminal box remote control through Device Controller.	**Turn Table:** • Heavy duty turntable - 2.0 m (6'-6"). • 1000 kg distributed weight capacity. • Terminal box remote control through Device Controller.
5.	Pg.No.59, Point 7	Audio Intercom System: The vendor has to provide audio intercom system between SAC & CR and between NSR &CR	Audio Intercom System should comply with the standard EMI/EMC requirements as per IEC/ CISPR . The Audio Intercom System should be able to with stand the Electric Field of 100 V/m in the frequency range of 80 MHz to 6 GHz.
6.	Pg.No.57, Point 4	Power Line Filters: • RF Power Line Filters with 100 dB insertion loss from 10 kHz to 18 GHz. • For Instrumentation/ Lighting & Others: 3 Ø - 4 Line, 440 V, 50 Hz, 50 A – 1 No	Power Line Filters: • For Instrumentation room & Amplifier room: 3 Ø - 4 Line, 440 V, 50 Hz, 50 A – 2 No. • For Instrumentation room & Amplifier room: 1 Ø – 2 Line, 230 V, 50 Hz, 50 A – 2 No. • All the EMI Power Line Filters will meet the 100 dB insertion loss from 10 kHz to 18 GHz.

#	Reference	Contents of the Tender Document	To be Read as
7.	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.	Harmonic distortion: Minimum - 20 dBc ± 3dB at 1 dB compression point. Data of harmonic distortion measurement @ 1dB compression to be provided.
8.	Pg.No.64, Point 9	ANTENNAS FOR IMMUNITY	ANTENNAS FOR IMMUNITY WITH TRIPODS.
9.	Pg.No.64, Point 7	POWER SENSORS	POWER SENSORS (2 Nos.)
10	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	Connectors (I/O): Rear Panel - Type N female/ 7/16. 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)/ 7/16 – Main Line N(F)/ 7/16 – Coupled Ports Calibration should be possible for the Directional

#	Reference	Contents of the Tender Document	To be Read as
			Coupler
11	Pg.No.69, Point 1.18	Tracking Generator: Required	Tracking Generator/ Signal Generator (up to 6 GHz): Required.
12	Pg.No.66, Point 1.16	Total measurement uncertainty: 1.0 dB or better	Total measurement uncertainty: 1.1 dB or Better
13	Pg.No.72, Point 7	Repetition Rate: 0.05 s to 99.9 s ± 10%	Repetition Rate: 0.05 s to 60.00 s ± 10%
14	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.	Oscilloscope & Calibration Target: Oscilloscope – Sampling Rate of minimum 2GHz & Calibration target shall be included. Additionally all verification kit for Inrus Current/ Raise & Fall Time for ESD, EFT/BURST & Combination Wave/Surge (C1, C2, C3 of the Section –VII) shall be provided in scope of supply.
15	Pg.No.73, Point 8	Burst Duration td: 0.10 ms – 999 ms	Burst Duration td: 0.10 ms – 30.00 ms

#	Reference	Contents of the Tender Document	To be Read as
16	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 Should be able to generate Test report.	Computer with control software and Report Generation: Should supply with 1 no. 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.
17	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.	Computer with control software and Report Generation: Should supply with 1 no. 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.
18	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)	Power Meter: 3 channels, to measure Forward and Reverse Power.
19	**Pg.No.63, Schedule-2, Under Point 4- New Point Included (Point 4.14)**	-	Load: 1000W, 50 ohm, DC to 6GHz – 1 no.

<table>
<tr><th>#</th><th>Reference</th><th>Contents of the Tender Document</th><th>To be Read as</th></tr>
<tr><td>20</td><td>Pg.No.4, Point 2</td><td>
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<tr><th>S.No.</th><th>Description</th><th>Schedule</th></tr>
<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>
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<tr><th>S.No.</th><th>Description</th><th>Schedule</th></tr>
<tr><td>v.</td><td>Last date & Time for receipt of Tender</td><td>30.11.2022, 15.00 Hrs (IST)</td></tr>
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<tr><td>21</td><td>Pg.No.33, Point 19.7</td><td>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.</td><td>In the case of Bank Guarantee furnished from banks outside India (i.e. foreign Banks), it should be authenticated and countersigned by any Nationalised/ Scheduled banks in India by way of back-to-back counter guarantee and the same should be submitted along with the bid.</td></tr>
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Sd/-
Managing Director