

CORRIGENDUM- III Dated: 29.09.2021

Attention is invited to tender No. S-CEM/OTE/EMCD/1080-LE/102-06/21-22/11739 dated 11.08.2021 for the **Supply, Installation, Commissioning, Performance testing and validation of Conducted & Radiated Emission and Conducted Susceptibility Automated Test Systems**. Technical Specifications and commercial terms have been revised after pre-bid meeting held on 18.08.2021.

TENDER NO.: S-CEM/OTE/EMCD/1080-LE/102-06/21-22/11739				
Supply, installation, Commissioning, Performance testing and validation of Conducted & Radiated Emission and Conducted Susceptibility Automated Test Systems				
Sl. No	Page No.	Clause No.	Published as:	Revised as:
Commercial Terms				
1	Corrigendum -II dated 22.09.2021	Tender Schedule	Last date and time of submission of bids 30.09.2021	Last date and time of submission of bids 22.10.2021
2	Corrigendum -II dated 22.09.2021	Tender Schedule	Date, time and Place of opening of Technical Bid: 30.09.2021 at 16.00 hrs. SAMEER-CEM,2nd Cross Road, Taramani, Chennai - 600 113 at SAMEER-CEM,2nd Cross Road, Taramani, Chennai - 600 113	Date, time and Place of opening of Technical Bid: 22.10.2021 at 15.00 hrs. SAMEER-CEM,2nd Cross Road, Taramani, Chennai - 600 113 at SAMEER-CEM,2nd Cross Road, Taramani, Chennai - 600 113
3	Corrigendum -II dated 22.09.2021	Format of Bid	The bid document shall be submitted in the above mentioned address latest by 30.09.2021 at 15.00 Hrs	The bid document shall be submitted in the above mentioned address latest by 22.10.2021 at 14.00 Hrs.
4	Page 53 of 62	Cover-II (Price Bid)	Cover-II (Price bid)	Price bid (without price details) with all techno-commercial terms and conditions as mentioned in the tender document shall be submitted along with technical bid.

5	Page No.16 of 62 & 17 of 62	32 &33 Process of Evaluation of quote		Compliance of Public Procurement (Preference to Make in India) will be followed as per the Order No. P-45021/2/2017-PP (BE-II) issued by the Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade (Public Procurement Section), Government of India.
6	Page No.9 of 62	11. (a) Delivery Period	Delivery period is 180 days from the date of design approval by SAMEER-CEM and after opening irrevocable Letter of Credit (LC) by sight. Part shipment is not permitted.	The firm delivery period is 180 days from the date of design approval by SAMEER-CEM and after opening irrevocable Letter of Credit (LC) by sight. However, the successful bidder shall submit the design plan within 30 days on receipt of Purchase order. ". Part shipment is not permitted
Technical specifications:				
1	Page 24 of 62 & Page 46 of 62	A.1 & C.6	Measurement/EMI Receiver IF and Resolution Bandwidths: 6dB EMI Bandwidth: Mil-Std-461: 10 Hz, 100 Hz, 1 kHz, 10kHz, 100 kHz, 1 MHz. CISPR: 200Hz, 9kHz, 120kHz, 1MHz. -3 dB Bandwidth: 10Hz to 10MHz	Measurement/EMI Receiver IF and Resolution Bandwidths: 6dB EMI Bandwidth: Mil-Std-461: 10 Hz, 100 Hz, 1 kHz, 10kHz, 100 kHz, 1 MHz. CISPR: 200Hz, 9kHz, 120kHz, 1MHz. -3 dB Bandwidth: 10Hz to 8MHz
2	Page 24 of 62 & Page 46 of 62	A.1 & C.6	Measurement/EMI Receiver Video Bandwidth: 1Hz to 10MHz	Measurement/EMI Receiver Video Bandwidth: 1Hz to 8MHz

3	Page 25 of 62	A.1	Measurement Receiver Units of Level Axis: Logarithmic Level Display: dBm, dBmV, dBμV, dBμA, dBμV/m, dBμA/m, dBpW, dBpT etc.	Measurement Receiver Units of Level Axis: Logarithmic Level Display: dBm, dBmV, dBμV, dBμA, dBpW, dBpT etc.
4	Page 25 of 62 & Page 47 of 62	A.1 & C.6	Measurement/EMI Receiver Third Order Inter modulation Distortion(with two tone of -15dBm): pre-selector off/ Preamplifier off +17dBm(typical),10MHz to 3.6GHz +20dBm(typical), 3.6GHz to 8GHz +10dBm(typical), 8GHz to 40GHz	Measurement/EMI Receiver Third Order Inter modulation Distortion(with two tone of -15dBm): pre-selector off/ Preamplifier off +17dBm(typical),10MHz to 3.6GHz + 18dBm (typical), 3.6GHz to 8GHz +10dBm(typical), 8GHz to 40GHz
5	Page 26 of 62 & Page 43 of 62	A.3. & C.1	Low Frequency Signal Generator Frequency Range 10μHz to 25MHz	10μHz to 20MHz
6	Page 27 of 62 & Page 44 of 62	A.4 & C.2	Synthesized Signal Generator and Microwave signal generator Sweep : Type: Step and list sweep	Synthesized Signal Generator and Microwave signal generator Sweep: Type: Step
7	Page 30 of 62	A.16	Bi-conical antenna Frequency Range: 20MHz – 300MHz Power Handling: Max. 75W CW	Frequency Range: 30MHz – 300MHz Power Handling: Max. 50W CW
8	Page 32 of 62	A.20	Antenna Mast Weight handling: Antenna mast shall be Capable of handling weight of minimum 12kg.	Antenna Mast Antenna mast shall be Capable of handling weight of minimum 10kg
9	Page 32 of 62	A.21	External Preamplifiers Frequency Range: 10kHz to 18 GHz Gain: 35dB Noise Figure: < 3dB	External Preamplifiers Frequency Range: 10kHz to 18 GHz Gain: 28 dB typical Noise Figure: < 3.5dB typical

10	Page 36 of 62	B.6	<p align="center">Tuneable Band Rejection filter Network set</p> <table border="1"> <tr> <td>Frequency range</td> <td>10kHz-20GHz(in various band)</td> </tr> <tr> <td>Rejection</td> <td>50dB(minimum)</td> </tr> <tr> <td>Connector</td> <td>N Female</td> </tr> </table>	Frequency range	10kHz-20GHz(in various band)	Rejection	50dB(minimum)	Connector	N Female	<p align="center">Band Rejection notch filter Network set</p> <table border="1"> <tr> <td>Frequency range</td> <td>10kHz-10GHz(in various band)</td> </tr> <tr> <td>Rejection</td> <td>50dB(minimum)</td> </tr> <tr> <td>Connector</td> <td>N Female</td> </tr> </table>	Frequency range	10kHz-10GHz (in various band)	Rejection	50dB(minimum)	Connector	N Female																								
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11	Page 37 of 62	B.7, B.8, and B.9	<p>B.7 Bi Directional Attenuators</p> <table border="1"> <tr> <td>Frequency</td> <td>DC-2.4GHz</td> </tr> <tr> <td>Attenuation</td> <td>10dB,40 dB</td> </tr> <tr> <td>Average Power</td> <td>300W</td> </tr> </table> <p>B.8 Bi Directional Attenuators</p> <table border="1"> <tr> <td>Frequency</td> <td>DC-18GHz</td> </tr> <tr> <td>Attenuation</td> <td>10dB, 20,30,40 dB</td> </tr> <tr> <td>Average Power</td> <td>150W</td> </tr> </table> <p>B.9 Bi Directional Attenuators</p> <table border="1"> <tr> <td>Frequency</td> <td>18-40GHz</td> </tr> <tr> <td>Attenuation</td> <td>10dB, 20,30,40 dB</td> </tr> <tr> <td>Average Power</td> <td>150W</td> </tr> </table>	Frequency	DC-2.4GHz	Attenuation	10dB,40 dB	Average Power	300W	Frequency	DC-18GHz	Attenuation	10dB, 20,30,40 dB	Average Power	150W	Frequency	18-40GHz	Attenuation	10dB, 20,30,40 dB	Average Power	150W	<p>B.7 Bi Directional Attenuators</p> <table border="1"> <tr> <td>Frequency</td> <td>DC-2.4GHz</td> </tr> <tr> <td>Attenuation</td> <td>40 dB</td> </tr> <tr> <td>Average Power</td> <td>300W</td> </tr> </table> <p>B.8 Bi Directional Attenuators</p> <table border="1"> <tr> <td>Frequency</td> <td>1-18GHz</td> </tr> <tr> <td>Attenuation</td> <td>30,40 dB</td> </tr> <tr> <td>Average Power</td> <td>150W</td> </tr> </table> <p>B.9 Bi Directional Attenuators</p> <table border="1"> <tr> <td>Frequency</td> <td>18-40GHz</td> </tr> <tr> <td>Attenuation</td> <td>10dB, 20 dB</td> </tr> <tr> <td>Average Power</td> <td>20W</td> </tr> </table>	Frequency	DC-2.4GHz	Attenuation	40 dB	Average Power	300W	Frequency	1-18GHz	Attenuation	30,40 dB	Average Power	150W	Frequency	18-40GHz	Attenuation	10dB, 20 dB	Average Power	20W
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12	Page 38 of 62	B.11	<p>Dual Directional Couplers</p> <p>Power rating:</p> <p>10kHz-250MHz : 3,500 W 250 -1000 MHz : 3000 W 1.0 - 2.5 GHz : 1500 W 2.5 - 7.5 GHz : 2800 W</p>	<p>Dual Directional Couplers</p> <p>Power rating:</p> <p>10 kHz-250 MHz : 3500 W 250 MHz -1000 MHz : 2000 W 1 GHz -7.5 GHz : 250 W 7.5 GHz – 18 GHz : 300 W</p>																																				

			7.5 – 18 GHz : 3000 W 18 - 26.5 GHz : 300 W 26.5 – 40 GHz : 200 W	18 GHz- 26.5 GHz : 30 W 26.5 GHz– 40 GHz : 20 W
13	Page 38 of 62	B.12	Dummy Loads Frequency : DC to 40GHz Power Handling :5kW	Dummy Loads Frequency, Power handling : DC-1 GHz, 5kW 1 GHz – 18 GHz, 300 W 18 GHz – 40 GHz, 20 W
14	Page 39 of 62	B.17 & B.18	Double ridge Horn Antenna-3 Frequency:18-26.5GHz Input power: 50W Double ridge Horn Antenna-4 Frequency: 26.5 – 40 GHz Input power:20W	Double ridge Horn Antenna-3 Frequency:18-26.5GHz Input power: 20W Double ridge Horn Antenna-4 Frequency: 26.5- 40GHz Input power:20W A single antenna which covers the full frequency range of 18 GHz-40 GHz will also be considered.
15	Page 45 of 62	C.5	Low pass filter set Impedance :50 Ohm Ripple in pass Band : < 0.5dB Insertion loss at 3 times of the cut off frequency:>100 dB No. of filters : Shall meet requirements of CS103, 104,105 tests as per MIL – STD-461 F/G	Deleted.

The other requirements and terms & conditions of the tender remain same. The Programme Director, SAMEER-CEM reserves the right to accept or reject any offer without assigning any reason.