

# TENDER DOCUMENT

**SUB.: Supply, Installation, Commissioning,  
performance testing and validation of  
Conducted Susceptibility Test Systems as  
per MIL-STD 461 F**

TENDER NO. : SMR/PUR/CP096/2023I/PT

DUE ON : 12-01-2023

EMD : Rs.500000

TENDER FEE : Rs. 1500 + 18 % GST

|   |  |
|---|--|
|  | <p>प्रायोगिक सूक्ष्मतरंग इलेक्ट्रॉनिकी इंजीनियरी तथा अनुसंधान संस्था<br/>SOCIETY FOR APPLIED MICROWAVE ELECTRONICS ENGINEERING &amp; RESEARCH<br/>आई आई टी कैम्पस, पवई, मुंबई 400076. फोन : 022 25723030/7221 फैक्स : 022 25723254<br/>IIT CAMPUS, POWAI, MUMBAI 400 076. TEL.: 022-25723030/7221, Fax: 022 25723254<br/>WEB SITE : <a href="http://www.sameer.gov.in">www.sameer.gov.in</a> E-mail : <a href="mailto:purchase@sameer.gov.in">purchase@sameer.gov.in</a></p> |
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*S A M E E R*

## SECTION – I

### INSTRUCTIONS FOR SUBMITTING THE OFFER

1. Tender document can be purchased from the Accounts Section of SAMEER located at IIT Campus, Powai, Mumbai-76, between 1.30 pm to 4.30 pm, on cash payment, on all days except Saturdays, Sundays and public holidays.

If the Tender document is downloaded from our website <http://www.sameer.gov.in> or <https://eprocure.gov.in/eprocure/app>, then the **Tender Fee is not applicable**.

**2. Two Stage Bidding System:** Bidders may note that this procurement would be processed under Two Stage Bidding System.

- A. In the first stage of bidding process, Vendor should submit bid containing technical aspects and contractual terms and conditions of the proposed procurement without price bid.
- B. All first stage bids, which are otherwise eligible, shall be evaluated by SAMEER.
- C. In the second stage of bidding process, SAMEER shall invite bids from all those bidders whose bids are technically accepted, final bid with price bids in response to a revised set of terms and conditions of the procurement.
- D. Due to revised/modification in the specification or terms and conditions vendor may withdraw from the bidding proceeding by declaring his intention to withdraw from the procurement proceeding with adequate justification. In such case the Earnest Money Deposit will not be forfeited.

**3. Earnest Money Deposit (EMD):**

A. Earnest Money Deposit should be submitted in the form of Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any commercial bank of India, drawn in favor of "**Society for Applied Microwave Electronics Engineering and Research**". If the EMD is given in the form of Bank Guarantee or Fixed Deposit, then it should be valid for minimum 15 days beyond the validity of the quotation. EMD also can be paid through online payment mode. Intimation should be sent to SAMEER once the online payment is done. A copy of the Transaction details should be enclosed with Technical Bid.

For online payment our banker's details are as below:

Beneficiary Name: **Society for Applied Microwave Electronics Engineering and Research (SAMEER)**

Name and address of the Bank: Canara Bank, IIT Powai Branch Mumbai 400 076.

Account Number: 2724101086829, Type of the Account: Saving,

IFS Code: CNRB0002724, MICR: 400015129

**B. Refund of EMD:** Unsuccessful tenderer's earnest money will be returned to them **without any interest** after expiry of the tender validity period/ once the tender is finalized. Successful bidder's earnest money will be returned **without any interest** only after execution of order and submission of PBG (if asked).

**C. Forfeiture of EMD:** Except in the circumstances mentioned **at 2D above**, earnest money of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from

the tender in any respect within the period of validity of its tender. Successful tenderer's earnest money will be forfeited if tenderer does not execute purchase order / contract as per the terms and conditions mentioned therein.

**D. Exemption from submission of EMD:** Firms which are registered with Ministry of Electronics and Information Technology (MeitY) or All MSEs having registration as per provisions of the MSME Policy i.e. registration with District Industries Centre (DIC) or Khadi and Village Industries Commission (KVIC) or Khadi and Industries Board (KVIB) or Coir Board or National Small Industries Commission (NSIC) or directorate of Handicrafts and Handlooms or Udyog Aadhaar Memorandum or any other body specified by Ministry of MSME are also exempt from payment of EMD. Proof of valid registration should be attached along with the Technical Bid, failing which the Tender will be rejected.

**E. Bid Security Declaration for EMD:** In lieu of submission of EMD, vendor may submit the "Bid Security Declaration" as per Annexure I, on their letterhead.

**4. A.** In a tender, either the Indian Agent on behalf of the Principal / OEM (Original Equipment Manufacturer) or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.

**B.** If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.

Failure to adhere to the above conditions will lead to automatic disqualification of bid. Tenders submitted by the Indian agent on behalf of his principal /OEM should be supported with a letter of authority from the Principal/ OEM.

In case the manufacturer does not have an authorized representative in India at the time of submission of the bids and the company appoints a representative later on, SAMEER will only correspond with the manufacturer.

**5. Any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services or works only if they are registered with the Registration Committee, constituted by the Department of Promotion of Industry and Internal Trade (DPIIT). A valid registration certificate is to be attached. "Bidder from a country which shares a land border with India" means: -**

- a. An entity incorporated, established or registered in such a country; or
- b. A subsidiary of an entity incorporated, established or registered in such a country; or
- c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
- d. An entity whose beneficial owner is situated in such a country; or
- e. An Indian (or other) agent of such an entity; or
- f. A natural person who is a citizen of such a country; or
- g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.

**The Successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India, unless such contractor is registered with the Registration Committee, constituted by the DPIIT.**

## 6. PERFORMANCE SECURITY

- a. The successful bidder has to give Performance Security Deposit in the form of an Account Payee Demand Draft / Fixed Deposit Receipt from an Indian commercial bank / Bank Guarantee from an Indian commercial bank / a counter Letter of Credit (LC) from our bankers (in case of foreign order), for **3 %** of Order Value, immediately after receiving the purchase order. Performance Security should remain valid for a period of sixty days beyond the date of all contractual obligations including warranty obligations.
- b. Successful tenderers Performance Security will be forfeited if the purchase order / contract is not executed as per the terms and conditions mentioned therein.
- c. Performance Security Deposit without any interest will be returned only after complete execution of purchase order (including warranty period), as per purchase order 's terms and conditions.

**7. Purchase Preference (Preference to make in India):** As prescribed in "Public Procurement (Preference to Make in India) order 2017 of GOI, Dept. of DIPP" (OM No. P-45021/2/2017-PP (BE-II dated 15<sup>th</sup> June 2017 as amended from time to time), purchase preference will be given to the bidder. Necessary certification for local content must be submitted by the prospective bidders strictly as per Annexure II", on their letterhead.

**8. Tender is to be submitted in sealed cover, super scribed as 'Technical Bid'.** Tender should be addressed to '**The Purchase Officer, SAMEER, IIT Campus, Powai, Mumbai 400 076**'. Tender reference number including 'Due Date' should be clearly mentioned on the cover. Name, Address and contact details of the vendor should be mentioned at back side of all cover.

## 9. Further details concerning 'Technical Bid' are given below:

### A. Technical Bid:

- ❖ Original manufacturer's technical specification sheet must support details provided in the Technical bid with all the specifications/ relevant technical Literatures/Brochures/Catalogues for the item. Bids received without the printed technical specification sheet/brochures/catalogues for item will be technically disqualified.
- ❖ The Technical Bid should **not** contain any **financial information**.
- ❖ The item and accessories quoted must be from original manufacturer and must be first purchased **(No second hand item/sub-item will be accepted)**
- ❖ In case the bidder is the authorized representative of a foreign manufacturer/supplier, a certificate from the principal must be included in the technical bid.
- ❖ In case of deviation or substitution from the particular specification contained in the tender document, please indicate clearly as 'Alternate offer' and should contain sufficient details to show that the alternative would equally serve the purpose. All relevant technical data should be enclosed. In case of equipment, the itemised cost of essential accessories, optional accessories and spares required need to be specified.
- ❖ **Technical Bid should contain the following:**
  - a. **Earnest Money Deposit (EMD) / valid certificate for exemption or Bid Security Declaration** (Annexure I).
  - b. **Tender Fee Receipt Number** (if the tender document is purchased from Accounts Section, SAMEER, Mumbai).
  - c. **Technical Specification with compliance sheet**
  - d. **SECTION III** of Tender Document i.e. Commercial Terms & Conditions duly filled, stamped and signed.
  - e. Certification for local content (Annexure II).
  - f. A valid registration certificate from DPIIT as per Sr. No. 5 of Section I, if applicable.
  - g. One copy of the price bid without the financial figure

**Technical Bid without the above information will not be considered.**

**B. Price Bid (Should be submitted at Second Stage only by the qualified vendors):**

**Price bid shall contain the following information:**

- a. Quotation for the items (including the price break up for all options and accessories).
- b. TAXES, DUTIES AND LEVIES if applicable should be clearly specified.
- c. Discount offered on quoted price (considering that SAMEER is an R&D organization).
- d. Total price should be mentioned in both figures and words. Alterations, if any, should be attested / initialed.
- e. The bid shall be free of hidden costs / ambiguity.
- f. There shall be no overwriting.

**9.** Tenders/Bids should be dropped in **Tender Box** only.

**10.** Tender received via email, fax and **Late Tenders** will not be considered.

**11.** Unsuccessful bidders will not be formally informed of the result of their tender.

**12.** The **Technical Bid/Price Bid** will be opened on the next day of their respective due date. **As per two stage bidding process, only the technically qualified bidders will be asked to submit the price bids. The bidders have to submit the price bids in stipulated time in sealed cover, super scribed as `Price Bid`, as per the SECTION IV.** Tender should address to **'The Purchase Officer, SAMEER, IIT Campus, Powai, Mumbai 400 076'**. Tender reference including 'Due Date' should be clearly mentioned on the cover. Name, Address and contact details of the vendor should be mentioned at back side of cover.

**13. Date and Timing for opening Tender:** Next day after due date.

**IMPORTANT NOTE:**

- a. Participation in Public Tender Opening will be STRICTLY via ONLINE VIRTUAL PLATFORM.
- b. Vendors interested must fill the ONLINE FORM available at <http://publictender.sameer.gov.in/> , two working days before the tender opening date.
- c. On the day of tender opening, a virtual meeting link will be provided through mail to the vendors who have registered for participating in the tender. Only the vendors who have submitted the offer can participate in the online tender opening.
- d. It will be assumed that those Vendors who did not fill in the form are not interested in joining the Tender Opening Process.

**14.** For any clarification please mail at [purchase@sameer.gov.in](mailto:purchase@sameer.gov.in)

**15. Corrigenda:** Corrigenda, if any, to this tender will be published on our website [www.sameer.gov.in](http://www.sameer.gov.in). The bidders are advised to check our website, before submitting

**SECTION - II**

**TECHNICAL SPECIFICATION**

**A. Test Rack:**

1. CS103: Conducted Susceptibility, Antenna Port, Inter modulation, 15 kHz to 10 GHz
2. CS104: Conducted Susceptibility, Antenna Port, Rejection of Undesired Signal, 30Hz to 20GHz
3. CS105: Conducted Susceptibility, Antenna Port, Cross-Modulation, 30 Hz to 20GHz
4. CS 106: Conducted Susceptibility, Transients, Power Leads

**I. Broad specification of CS 103, CS 104, CS 105 and CS106 (MIL-STD-461 F) Test equipment:**

| Sr. No.     | Parameters  | Specifications  | Qty    | Comply/Not Comply/ Deviation |
|-------------|---|---|--------|------------------------------|
| <b>1</b>    | <b>LF Signal Generator</b>  |   | 02 No. |                              |
|             | Frequency Range   | DC/10 Hz - 20MHz  |        |                              |
|             | Number of channels  | 1   |        |                              |
|             | Impedance   | 50 Ω  |        |                              |
|             | Power   | 10mVpp to 10Vpp (into 50ohms)   |        |                              |
|             | Harmonics   | ≤ -30 dBc   |        |                              |
|             | Spurious (non-harmonics)  | ≤ -40 dBc ,Typical  |        |                              |
|             | Remote control  | USB/ IEEE-488.2(GPIB)/ LAN  |        |                              |
|             | Waveforms   | Sine, Square, Ramp, Triangle, Pulse, Arbitrary  |        |                              |
|             | Modulation  | AM, FM, PM, FSK, pulse modulation   |        |                              |
|             | Power Requirement   | 230 V ±10% AC, 50 Hz ±3%  |        |                              |
| Calibration | Accredited calibration certificate and report containing calibration data for all important parameters as per manufacturer specification from an ISO/IEC 17025 Accredited calibration Laboratory. |   |        |                              |
| <b>2</b>    | <b>Microwave Signal Generator</b>   |   | 02 No. |                              |
|             | Frequency Range   | 100kHz to 26 GHz  |        |                              |
|             | Frequency Resolution  | 0.001Hz   |        |                              |
|             | Aging   | ≤1x10 <sup>-7</sup> per year  |        |                              |
|             | Level   | -110 dBm to +10dBm or better  |        |                              |
|             | Level Resolution  | 0.01 dB   |        |                              |
|             | Sweep   | Type: Step and list sweep Frequency range: full band Trigger: Auto/free run, external, remote control |        |                              |
|             | SSB Phase Noise   | -90dBc or better at 10GHz @ 20kHz offset  |        |                              |
|             | Harmonics   | -30 dBc or better throughout the band   |        |                              |
|             | Non harmonics   | -50dBc or better throughout the band with 10kHz offset and 10dBm power                                |        |                              |
|             | Modulation  | AM, FM, PM, Pulse modulation (on/off  |        |                              |

| Sr. No.    | Parameters   | Specifications  | Qty   | Comply/Not Comply/ Deviation |
|------------|--|---|-------|------------------------------|
|            |  | ratio 40dB min). Built-in modulation source shall be available for all modulations.   |       |                              |
|            | Interface  | USB/ IEEE-488/ LAN  |       |                              |
|            | Power Requirement                                  | 230 V +/-10% AC,50 Hz ±3%   |       |                              |
|            | Calibration  | Accredited calibration certificate and report containing calibration data for all important parameters as per manufacturer specification from an ISO/IEC 17025 Accredited calibration Laboratory. |       |                              |
| <b>3</b>   | <b>Power Divider/ Splitter</b>                     |   | 2 No. |                              |
|            | Frequency Range                                    | DC to 26 GHz  |       |                              |
|            | Input Power  | 0.5 W CW (Min.)   |       |                              |
|            | Insertion Loss                                     | 7.5dB, typical  |       |                              |
|            | Impedance  | 50 Ohm  |       |                              |
|            | VSWR   | 1.3 (Max.)  |       |                              |
|            | Connectors:  | K-type (2.92mm) Female  |       |                              |
| <b>4</b>   | <b>Step Attenuator</b>                             |   | 1 Set |                              |
|            | Frequency Range:                                   | DC to 18GHz   |       |                              |
|            | Attenuation Range                                  | 0dB to 115dB  |       |                              |
|            | Attenuation Steps                                  | 5dB   |       |                              |
|            | Input Power  | 1 W (Average)   |       |                              |
|            | Software Control                                   | LAN/GPIB Control  |       |                              |
|            | Calibration  | Accredited calibration certificate and report containing calibration data for all important parameters as per manufacturer specification from an ISO/IEC 17025 Accredited calibration Laboratory. |       |                              |
| <b>5</b>   | <b>Low Pass Filter set</b>                         |   | 1 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, CS104, CS105 tests as per MIL– STD-461 F  |       |                              |
| <b>6</b>   | <b>Instruments for CS106</b>                       |   |       |                              |
| <b>6.1</b> | <b>Spike Generator</b>                             |   |       |                              |
|            | Peak Amplitude                                     | 600V (variable) into 5 Ω (non-inductive)  |       |                              |
|            | Spike duration                                     | 0.15 μs, 5 μs, 10 μs  |       |                              |
|            | Internal impedance                                 | <1.0 Ohm @10μs  |       |                              |
|            | Pulse repetition rate                              | up to 50 pps  |       |                              |
|            | Pulse shaping                                      | Ringling characteristics (fig. 19 in MIL-STD)   |       |                              |



| Sr. No.    | Parameters  | Specifications  | Qty     | Comply/Not Comply/ Deviation |
|------------|---|---|---------|------------------------------|
|            | Source Impedance  | $\leq 2 \Omega$   |         |                              |
|            | Fulfills requirements for CS106 testing   |   |         |                              |
| <b>6.2</b> | <b>Non-inductive load resistor</b>  |   |         |                              |
|            | Resistance  | $5 \Omega \pm 5\%$  |         |                              |
|            | Power rating  | 2W  |         |                              |
| <b>6.3</b> | <b>Feed-through Capacitors</b>  |   |         |                              |
|            | Capacitance   | 10 $\mu$ F feed through   |         |                              |
|            | Tolerance   | $\pm 10\%$  |         |                              |
|            | Current handling  | > 100A  |         |                              |
|            | Voltage rating  | 600V. DC/ 275V. rms at 50 Hz/<br>250 Vrms at 40Hz   |         |                              |
|            | Delta Capacitor Assembly  |   |         |                              |
| <b>6.5</b> | <b>Isolation Transformer</b>  |   |         |                              |
|            | Power rating  | 800 W   |         |                              |
|            | Input/output voltage  | 240 / 240 Volts AC  |         |                              |
|            | Operating frequency   | 50 Hz to 400 Hz   |         |                              |
| <b>6.6</b> | <b>LISNs</b>  |   | 04 Nos. |                              |
|            | RF Output Socket  | 50 $\Omega$ , BNC/N   |         |                              |
|            | Frequency range   | 10kHz - 50 MHz  |         |                              |
|            | Impedance   | 50 $\Omega$   |         |                              |
|            | Inductance  | 50 $\mu$ H  |         |                              |
|            | Current rating  | 70 A  |         |                              |
|            | Calibration   | Accredited calibration certificate and report containing calibration data for all important parameters as per manufacturer specification from an ISO/IEC 17025 Accredited calibration Laboratory. |         |                              |
|            | Fulfils requirement of MIL-STD 461 F  |   |         |                              |
| <b>6.7</b> | <b>Cables and Adapters set</b>  |   |         |                              |
|            | Suitable for CS 106   |   |         |                              |
| <b>7</b>   | <b>Measurement Software ( for CS103, CS104, CS105 and CS106 tests)</b>  |   | 1 No    |                              |
|            | It should be Windows based Menu driven, user friendly interactive and selectable by functional keys.  |   |         |                              |
|            | Modular and flexible enough to allow the user to adapt the system to new Regulations I Standards or extend or modify the hardware due to new test requirements. |   |         |                              |
|            | User's selection of MIL or other Regulation test limits or DUT susceptibility threshold levels.   |   |         |                              |
|            | User's option to modify I debug 1 update the program  |   |         |                              |
|            | software program should comply with any make of USB / RS 232 / IEEE 488 / LAN compatible equipment,   |   |         |                              |
|            | Ability for harmonics monitoring of power amplifier and test system   |   |         |                              |
|            | Enable the system to calibrate the test equipment   |   |         |                              |
|            | Generating test reports in graphical and tabulated data format.   |   |         |                              |
|            | Ability to export reports to Doc, RTF, PDF or HTML  |   |         |                              |

| Sr. No.  | Parameters  | Specifications  | Qty   | Comply/Not Comply/ Deviation |
|----------|---|---|-------|------------------------------|
|          | Measurements may be stopped during runtime to evaluate signals or repeat individual measurements while working in the semi - automatic mode. After evaluation the measuring routine can be resumed. |   |       |                              |
|          | Graphical representation of the results on computer screen.   |   |       |                              |
|          | Download the results data in internal I external memory, Context sensitive on line help facility.   |   |       |                              |
|          | Automation for CS 103, CS104, CS105 and CS106 test by supporting/controlling two signal generators for generating the interfering signal and a third signal generator for the wanted signal.        |   |       |                              |
| <b>8</b> | <b>System Controller</b>  |   | 1 Set |                              |
|          | CPU   | Intel Core i7, 3.4 GHz, 8 MB Cache or better  |       |                              |
|          | Chipset   | Intel Q8 series or latest   |       |                              |
|          | Bus Architecture  | 3 PCI (PCI/ PCI Express) or more  |       |                              |
|          | Memory  | 16 GB DDR4 RAM with 32 GB Expandability   |       |                              |
|          | Hard Disk Drive   | 500GB SSD   |       |                              |
|          | Monitor   | 24 inch larger LED/ TFT Digital Color Monitor TCO- 05 certified   |       |                              |
|          | Keyboard  | 104 keys  |       |                              |
|          | Mouse   | Optical with USB interface  |       |                              |
|          | Bays  | 2 Nos. or above   |       |                              |
|          | Ports   | 6 USB Ports or more (at least 2 USB with 3.0), audio ports for microphone and headphone in front.1 RS 232, RJ – 45  |       |                              |
|          | DVD ROM Drive   | 8 X or better DVD ROM Drive   |       |                              |
|          | Networking facility   | -10/100/1000 on board integrated Network Port with remote booting facility remote system installation, remote wake up, TPM enabled 1.2 chip using any standard management software<br><ul style="list-style-type: none"> <li>• Bluetooth</li> <li>• WIFI</li> </ul> |       |                              |
|          | Operating System  | Windows 11 Professional preloaded, as specified, with Media and Documentation and Certificate of Authenticity   |       |                              |
|          | OS Certifications   | Windows 11 OS certification   |       |                              |
|          | Power Management  | Screen Blanking, Hard Disk and System Idle Mode in Power On Set up Password, Power supply SMPS Surge protected  |       |                              |
|          | Preloaded Software  | MS-Office, Norton or McAfee or eTrust or Kaspersky or e- Scan or Fore front or Trend Micro or PC Tool or Quick heal Antivirus (Latest Version) with1 year License   |       |                              |
|          | Compatible GPIB / IEEE 488.2 communication s/w with requisite h/w; Fiber optics Interface card :NI 480 Original CD/DVD pack with License for all above S/W and Drivers)                             |   |       |                              |

| Sr. No. | Parameters   | Specifications | Qty   | Comply/Not Comply/ Deviation |
|---------|--|----------------|-------|------------------------------|
|         | Ports for user end use other than those already used for system:<br>Application Software, Updated Antivirus, Other applications<br>Connectors/ports required for automated testing of CS103,CS104, CS105 and CS106 tests |                |       |                              |
| 9       | Accessories, cables, adapters, connectors, and terminations necessary to conduct CS103, CS104, CS105 and CS106 tests   |                | 1 Set |                              |
| 10      | Test Rack Subsystem – Test rack with castor wheels, Power distribution system, Heat dissipation unit and all necessary cables  |                | 1 Set |                              |
|         | <b>Any other item considered desirable (Please OFFER)</b>  |                |       |                              |



**SECTION- III**

**Commercial & Other Terms and Conditions**

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Vendor to state Complied / Not Complied – Deviations if any in the given column

| S.N. | DESCRIPTION                         | ESSENTIAL CONDITIONS  | Comply /Not comply /Deviation |
|------|-------------------------------------|---|-------------------------------|
| a.   | PRICES                              | <p>a. <b>For Import Order: Prices</b> quoted should be on <b>FCA (nearest Intl. Airport at shipper’s country)</b>, Name of the Airport should be mentioned clearly.</p> <p>b. <b>For Local Order: Prices</b> should include delivery charges up to <b><u>SAMEER EMC Center, CBD Belapur, Navi Mumbai</u></b>. Any additional charges, taxes and levies should be clearly mentioned. In the event of a Purchase Order, it will be the responsibility of the supplier to pay whatever charges are payable to different agencies in their country. The purchaser will not pay any charges other than the agreed price as per the contract.</p> |                               |
| b.   | TAXES, DUTIES AND LEVIES APPLICABLE | (Existing applicable rates should be mentioned)   |                               |
|      |                                     | 1.  |                               |
|      |                                     | 2.  |                               |
|      |                                     | 3.  |                               |
|      |                                     | 4.  |                               |
| c.   | PACKING                             | All the items should be packed in suitable boxes, crated and protected from damages during the transit till they are delivered to destination.  |                               |
| d.   | FREIGHT AND INSURANCE               | <p>a. For Local Order: To be arranged by supplier. All the items shall be delivered to Stores Officer, SAMEER, IIT Campus, Powai, Mumbai after obtaining a shipping release in the appropriate pro-forma from the purchaser. The Vendor shall be fully responsible for the safe delivery of all the items from and to SAMEER Powai and shall satisfy the purchaser that adequate measures have been taken for the same.</p> <p>b. For Import Order: Will be arranged by SAMEER from FCA International Airport.</p>  |                               |
|      | Vendor’s Signature:                 |   | Seal:                         |

| S.N. | DESCRIPTION                  | ESSENTIAL CONDITIONS   | Comply /Not comply /Deviation |
|------|------------------------------|--|-------------------------------|
| e.   | ANY OTHER CHARGES APPLICABLE | SUPPLIER TO SPECIFY  |                               |
| f.   | MODE OF DELIVERY             | a. For Local Order: By road<br>b. For Import Order: By Air   |                               |
| g.   | DELIVERY SCHEDULE            | <b>3 Months</b>  |                               |
| h.   | WARRANTY                     | 3 Years<br>If standard warranty does not cover 3 years period, additional charges to comply the 3 years warranty should be quoted in price bid under warranty section  |                               |
| i.   | PAYMENT TERMS                | a. For Import order: 90 % against Irrevocable Letter of Credit or Sight Draft and balance 10 % through wire transfer after acceptance of material at SAMEER.<br>b. For Local order: 75 % after delivery followed by inspection balance 25 % against Test, Installation & acceptance (whichever is applicable) of material / consignment, at SAMEER.  |                               |
| j.   | VALIDITY OF QUOTATION        | 120 DAYS MIN FROM THE DUE DATE.  |                               |
| k.   | Tender Fee ( Including GST ) | Tender document may be purchased from the Accounts Section of SAMEER, Mumbai on cash payment or by Demand Draft from any commercial bank of India, drawn in favour of <b>"Society for Applied Microwave Electronics Engineering and Research"</b> .<br><br>If the Tender document is downloaded from website, then <b>the Tender Fee is not applicable.</b>  |                               |
| l.   | Earnest Money Deposit (EMD)  | a. <b>Earnest Money Deposit (EMD)</b> should be submitted in the form of Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any commercial bank of India, drawn in favour of <b>"Society for Applied Microwave Electronics Engineering and Research"</b> .<br>b. For exemption, please refer SECTION I, 3 d<br>c. In lieu of EMD, vendor may submit "Bid security Declaration" on their letterhead.<br><br><b>(vendor should mention the applicable option from above in the Remark column)</b> |                               |

Vendor's Signature:

Seal:

| S.N.   | DESCRIPTION                               | ESSENTIAL CONDITIONS  | Comply /Not comply /Deviation |
|--|---|---|-------------------------------|
| m.   | PERFORMANCE SECURTY                       | The successful bidder has to give Security Deposit in the form of an Account Payee Demand Draft / Fixed Deposit Receipt from an Indian commercial bank / Bank Guarantee from an Indian commercial bank / a counter Letter of Credit (LC) from our bankers (in case of foreign order), for <b>3 %</b> of Order Value, immediately after receiving the purchase order. Performance Security should remain valid for a period of sixty days beyond the date of all contractual obligations including warranty obligations.                                       |                               |
| n.   | EXEMPTION FOR CUSTOM DUTY AND EXCISE DUTY | SAMEER is registered with Department of Scientific and Industrial Research (DSIR) for the purpose of availing <b>custom duty exemption</b> in terms of Government of India Notification No. 51/96-customs amended to 24/2007-customs dated 1 <sup>st</sup> March 2007. {approx. 5.50 % duty (5 % Basic + 10% Social welfare surcharge) + IGST is applicable under his notification} and <b>central excise duty exemption</b> in terms of Government Notification no. 10/97-central excise amended to 16/2007-central excise dated 1 <sup>st</sup> March 2007. |                               |
| o.   | SHARING LAND BORDR WITH INDIA             | a. Yes / No<br>b. If Yes, whether necessary valid registration certificate is attached along with Technical bid.  |                               |
| p.   | JURISDICTION                              | MUMBAI  |                               |
| <p>Vendor's Signature: _____ Seal: _____</p> |   |   |                               |

**SECTION- IV**

**Format for Price Bid (in INR )**

**IMPORTANT**

Vendor is required to submit the price bid in the given format on their LETTER HEAD.

One copy of the price bid without the financial figure should be enclosed along with the Technical Bid.

| ITEM | DESCRIPTION   | QUANTITY | RATE IN INR | PRICE IN INR |
|------|---|----------|-------------|--------------|
| I    | Supply, Installation, Commissioning, performance testing and validation of Conducted Susceptibility Test Systems as per MIL-STD 461F comply with Section-II (Technical specifications), Technical terms and conditions and Section-III (Commercial & other terms and conditions). |          |             |              |
| II   | Additional charges to comply three years warranty (If standard warranty does not cover 3 years period)  |          |             |              |
| III  | OTHER CHARGES , , if any  |          |             |              |
| 1.   | TAXES AND DUTIES APPLICABLE ON ITEMS  |          |             |              |
|      | I   |          |             |              |
|      | II  |          |             |              |
|      | III   |          |             |              |
|      | IV  |          |             |              |
| 2.   | FREIGHT from Vendor's manufacturing facility to SAMEER-EMC Center Navi Mumbai.  |          |             |              |
| 3.   | INSURANCE   |          |             |              |
| 4.   | ADDITIONAL CHARGES IF ANY   |          |             |              |
|      | TOTAL AMOUNT  |          |             |              |
|      | TOTAL AMOUNT (IN WORDS)   |          |             |              |
|      | Vendor's Signature: _____ Seal: _____   |          |             |              |

**Format for Price Bid (in Foreign currency )**

**IMPORTANT**

Vendor is required to submit the price bid in the given format on their LETTER HEAD.

One copy of the price bid without the financial figure should be enclosed along with the Technical Bid.

| ITEM | DESCRIPTION   | QUANTITY | RATE IN<br>( Name of<br>currency) | PRICE IN<br>( Name of<br>currency) |
|------|---|----------|-----------------------------------|------------------------------------|
| I    | Supply, Installation, Commissioning, performance testing and validation of Conducted Susceptibility Test Systems as per MIL-STD 461F comply with Section-II (Technical specifications), Technical terms and conditions and Section-III (Commercial & other terms and conditions). |          |                                   |                                    |
| II   | Additional charges to comply three years warranty (If standard warranty does not cover 3 years period)  |          |                                   |                                    |
| III  | <b>ADDITIONAL CHARGES IF ANY</b>  |          |                                   |                                    |
|      | <b>FCA CHARGES (Name of the Intl. airport)</b><br>From Vendor's manufacturing/shipping facility to Manufacturer's country's Intl. Airport.  |          |                                   |                                    |
|      | <b>TOTAL AMOUNT</b>   |          |                                   |                                    |
|      | <b>TOTAL AMOUNT (IN WORDS)</b>  |          |                                   |                                    |
|      | Vendor's Signature:   |          | Seal:                             |                                    |

S/d  
Purchase Officer



**Annexure I**

**Bid Security Declaration**

Dated:

To,  
The Registrar,  
Society for Applied Microwave Electronics Engineering and Research  
IIT Campus, Powai,  
Mumbai 400076

Sir,

I, the undersigned, declare that:

1. I am duly authorized to submit bid and undertakings in response to your tender No. \_\_\_\_\_
2. I understand that the bidders are required to submit Bid Security of the prescribed amount, while submitting bids in response to tender enquiries of the Society for Applied Microwave Electronics Engineering and Research (SAMEER).
3. As an alternative to the Bid Security, I hereby declare that my firm, which is submitting the current bid, will be suspended for the period of time specified in the request for bid document or for a period of three years if no such period of time is specified in the request for bid document, from being eligible to submit bids for contracts with SAMEER,
  - i. if we withdraw or modify the bid during the period of validity (including the extended period of validity) or
  - ii. If we fail to sign the contract, or to submit the performance security before the deadline prescribed in the request for bid document or in the communication sent by SAMEER.

Signature with seal:

Name: \_\_\_\_\_

Designation \_\_\_\_\_

Name of the firm \_\_\_\_\_

Place \_\_\_\_\_

**Annexure - II**

**Self-Certification for Local Content**  
(Should be on the letter head of the bidder)

\*We [name of manufacturer] hereby confirm in respect of quoted item(s) that Local Content is equal to or more than 50% and we come under 'Class-I Local Supplier' Category. Being 'Class-I Local Supplier', we are eligible for Purchase Preference in accordance with Department of Promotion of Industry and Internal Trade's Order No. P45021/2/2017-PP (B.E.-II) dated 15.06.2017, as modified, vide the said Department's orders No. P-45021/2/2017-PP(BE-II) dated 28/05/2018, No. P-45021/2/2017-PP(BE-II) dated 29/05/2019 and No. P-45021/2/2017-PP(BE-II) dated 04/06/2020

**OR**

\*We [name of manufacturer] hereby confirm in respect of quoted items(s) that Local Content is more than 20% but less than 50% and we come under 'Class-II Local Supplier' Category, as per the said order of Department of Promotion of Industry and Internal Trade

**OR**

\*We [name of manufacturer] hereby confirm in respect of quoted items(s) that Local Content is less than or equal to 20% and we come under 'Non Local Supplier' Category.

The details of the location (s) at which the local value addition made is /are as under:

- 1.....
- 2.....
- 3.....

\*Strike out whichever is not applicable

Date:

Seal & Signature of the Bidder

**NOTE: -**

- 1 Bidder should submit Self-certification that the item offered meets the minimum local content (as above) giving details of the location(s) at which the local value addition is made in case the bidder wishes to avail the benefits under the make in India policy, if applicable.
2. In cases of procurement for a value in excess of Rs. 10 crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content to avail the benefits under the make in India policy, if applicable.
3. The orders quoted above are available on our website ( <https://www.sameer.gov.in/tenders.asp#page> ).