



**Society for applied Microwave Electronics Engineering and Research (SAMEER)**  
**Centre for Electromagnetic Environmental Effects (E3), Visakhapatnam**  
**(An Autonomous R&D laboratory,**  
**Ministry of Electronics and Information Technology (MeitY), Government of India)**  
Plot No.40, APIIC Industrial Park, Gambheeram Village, Anandapuram Mandal,  
IIM Rd, Visakhapatnam, Andhra Pradesh-531163, Phone: 0891-2867600

# **T E N D E R   D O C U M E N T**

**Subject: Supply, Install and Commission of  
EMI/ EMC Test instruments – CE/RE**

**TENDER No. : SMR\_E3\_VIZ/CP010/2018-19/PT**

**DUE ON : 02/04/2019 17:00 hrs**

**EMD: Rs.2,00,000/-**

**TENDER FEE: Rs.5000/-**

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# **INSTRUCTIONS TO BIDDERS**

## 1. Introduction

SAMEER was set up as an autonomous R & D laboratory at Mumbai under the then Department of Electronics, Government of India with a broad mandate to undertake R & D work in the areas of Microwave Engineering and Electromagnetic Engineering Technology. SAMEER, Centre for Electromagnetic Environmental Effects (E3) has been started in 2014 with objective of establishing specialized E3 test facilities as per MIL STD 461 F/G and 464. SAMEER Centre for E3 Lab has been pursuing its objective of doing Electromagnetic Environmental Effects (E3) Research, Development, Test, and Evaluation. The E3 facility specializes in a variety of capabilities, ranging from box level to complete system level testing.

SAMEER invites tenders under two bid systems (technical bid and price bid) for **the Supply, Install and Commission of EMI / EMC Test instruments – CE/RE** for its Centre for Electromagnetic Environmental Effects (E3), Visakhapatnam. Bidders should be familiar with latest trends in technology areas and should have proven track record in delivering desired test facilities.

Interested bidders who meet the qualification criteria may submit their tender (both **Technical and Price bid**) in the manner mentioned in para 6 of this chapter. Tender document can be purchased from the SAMEER, Visakhapatnam office, located at below mentioned address between 9.00 am to 12:30 pm and 1:30 pm to 5:30 pm on cash payment, on all days except Saturdays, Sundays and public holidays. If the Tender document is downloaded from our website <http://ce3.sameer.gov.in> or <http://tenders.gov.in>, then tender fee and EMD should be paid, along with Technical Bid, (EMD & Tender Fee should be paid separately).

### **SAMEER - Centre for Electromagnetic Environmental Effects (CE3)**

Plot No. 40, APIIC Industrial Park  
Gambheeram Village, Anandapuram Mandal  
Visakhapatnam 531163, Andhra Pradesh.  
Phone: (+91-891) 2867600, Fax: (+91-891) 2867601

## 2. Earnest Money Deposit (EMD):

- A. Earnest Money Deposit should be submitted in the form of Account Payee Demand Draft, Banker's Cheque or Bank Guarantee from any commercial bank, drawn in favor of "**SAMEER - Centre for Electromagnetic Environmental Effects (E3)**". If the EMD is given in the form of Bank Guarantee then it should be valid for minimum 45 days beyond the validity of the quotation.
- B. **Refund of EMD:** Unsuccessful tenderer's earnest money will be returned to them without any interest once the tender is finalized. Successful bidder's earnest money will be returned without any interest only after submission of security deposit, by the successful bidder.
- C. **Forfeiture of EMD:** 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 & Tender Fee:** Firms which are registered with MeitY or All MSEs having registration as per provisions of the 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.

**Note:** *There is **no exemption** for **Tender fee** even if exempted for EMD. The applicable Tender fee is **Rs. 5000/-**.*

### 3. Security Deposit:

A. Security Deposit should be submitted by the **successful tenderer** in the form of Account Payee Demand Draft, Banker's Cheque or Bank Guarantee from any commercial bank, drawn in favour of **"SAMEER Centre for Electromagnetic Environmental Effects (E3), Visakhapatnam"**. If the Security Deposit is given in the form of Bank Guarantee then it should be valid for minimum 60 days beyond the date of execution of the order/ contract.

B. **Refund of Security Deposit:** Security Deposit will be returned without any interest only after a period of 60 days beyond the date of completion of all contractual obligations of the supplier, including warranty obligations.

C. **Forfeiture of Security Deposit:** Security Deposit will be forfeited, if the tenderer does not execute purchase order / contract as per the terms and conditions mentioned therein.

### 4. Qualification Requirements and Tender Terms:

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.

C. 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.

D. 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.

E. The Bidder shall bear all costs associated with the preparation and submission of its bid, and "the Purchaser", will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

#### 4.1 Qualification requirements proposal

The qualification requirement proposal consisting of following details should be submitted along with the technical bid. Bidders are requested to submit their responses for the qualification requirements in four (4) parts, clearly labeled according to the following categories:

##### Part I –Board Resolution

- a. Board resolution authorizing the Bidder to sign/ execute the proposal as a binding document and also to execute all relevant agreements forming part of Tender document. (Annexure-IV)

##### Part II – Details of the Organization

- a. This part must include a general background of the bidder organization (limited to 400 words) along with other details of the organization as per the format provided in the Tender (Annexure-I). Enclose the mandatory supporting documents listed in format.
- b. The bidder must also provide the financial details of the organization as per format provided in the Tender (Annexure-I). Enclose the mandatory supporting documents listed in format.

##### Part III – Relevant Project Experience of similar EMI/ EMC Turnkey Projects

- a. Bidders must provide details (client organization, nature / scope of the project, project value) of **Supply, Install, Commission of EMI / EMC Test Instruments – CE/RE** as per the format provided in the Tender (Annexure – II). The projects mentioned here should match with the projects quoted by the bidder in order to satisfy the qualification requirements. Enclose the mandatory supporting documents listed in format.

##### Part IV – Proof of Certification

Assessment and Certification of the required following letters

###### 1. Declaration Letter

Declaration Letter on official letterhead as stated in Annexure-III.

###### 2. Relationship Declaration Letter:

If the bidder or any employee of the bidder or any person acting on behalf of the bidder, either directly or indirectly is closely related to any of the officers of the purchaser or alternatively, if any close relative of an officer of the purchaser has financial interest/stake in the bidder's firm, the same shall be disclosed by the bidder at the time of submission of Tender. Any failure to disclose the interest involved shall entitle the purchaser to rescind the contract without payment of any compensation to the Bidder.

The term close relative for this purpose would mean any person related by blood or marriage.



## 5. Terms and conditions on 'Technical Bid' and 'Price Bid':

### 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 departure or substitution from the particular specification contained in the tender document, please indicate clearly as 'Alternative 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 itemized cost of essential accessories, optional accessories and spares required need to be specified.
- ❖ **Technical Bid shall contain the following information\*:**
  - a. **Qualification requirement documents**
  - b. **Technical Specification**
  - c. Conditions of contract (**Pages :11 to 17**) duly filled stamped and signed
  - d. Commercial Terms & Conditions (**Pages: 26 to 29**) duly filled stamped and signed.
  - e. **A copy of 'Price Bid'** with all financial figures suppressed/deleted.

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

### B. Price Bid:

**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 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/ initiated.

## 6. Submitting Tender/Bids

Tender is to be submitted in two separate sealed covers, superscribed as 'Technical Bid' and 'Price Bid' respectively and both these sealed covers are to be put in a bigger cover which should also be sealed and duly superscribed. Tender should be addressed to to **SAMEER - Centre for Electromagnetic Environmental Effects (CE3), Plot No. 40, APIIC Industrial Park, Gambheeram Village, Anandapuram Mandal, Visakhapatnam 531163, Andhra Pradesh, Phone: (+91-891) 2867600, Fax: (+91-891) 2867601.**

Tender reference including 'Due Date' should be clearly mentioned on all covers. Name, Address and contact details of the vendor should be mentioned at back side of all covers. The technical bid should contain Earnest Money Deposit also.

**Tenders/Bids should be dropped in Tender Box only.** Tender box is placed at SAMEER, Visakhapatnam office between 9.00 am to 12.30 pm, and 01:30 pm to 5:30 pm on all days except Saturdays, Sundays and public holidays.

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

**7. OPENING OF BIDS:**

In the first instance, the Technical Bids will be opened. All the Tenderers may be required to give a presentation if requested by **SAMEER E3 Centre, Visakhapatnam**. Final selection of the Technical Bids will be based on the Technical Presentation evaluated by the authorities of **SAMEER E3 Visakhapatnam**. The Price Bid will not be opened on the day of opening of Technical Bids. The Bidders' representatives, who are present shall sign the Quotation Opening Form evidencing their attendance. The Price Bid of only those tenderers whose Technical Bid(s) are found technically suitable will be opened subsequently with intimation to the short listed tenderers. The Tenderers may kindly note that no payment for attending/ giving presentation will be made by SAMEER, Visakhapatnam

**8. CAPACITY OF BIDDER:**

Any person signing a Tender shall submit documentary evidence that his signature on the Tender, submitted by him, is legally binding upon himself, his firm. If it is detected that the person so signing the Tender has no authority to do so, the Director, SAMEER may, without prejudice to other civil and criminal remedies, not consider the Tender and hold the signatory liable for all costs and damages. The bidder shall produce a certificate from the Manufacturer of the offered product that they are the authorized dealer in India.

**9. Intimation to Unsuccessful bidders**

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

**10. Date and Timing for opening Tender:**

Next day after due date at 10.30 AM at **SAMEER - Centre for Electromagnetic Environmental Effects (CE3), Plot No. 40, APIIC Industrial Park, Gambheeram Village, Anandapuram Mandal, Visakhapatnam - 531163, Andhra Pradesh.**

**11. Clarification:**

For any clarification please mail at **[purchasevizag.sameer@nic.in](mailto:purchasevizag.sameer@nic.in)**

**12. Corrigenda:**

Corrigenda, if any, to the tender document will be published on our website <http://ce3.sameer.gov.in>. The bidders are advised to check our website, before submitting the bid. Corrigenda will be treated a part of the tender document.

# **CONDITIONS OF CONTRACT**

## **1. DEFINITIONS:**

In this Contract, the following terms shall be interpreted as indicated: The following words and expressions shall have the meanings hereby assigned to them:

- a) "Contract Price" means the price payable to the Supplier as specified in the Purchase Order, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract
- b) "Day" means calendar day.
- c) "Completion" means the fulfillment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Purchase Order.
- d) "Goods" means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser as per the Purchase Order.
- e) "Related Services" means the services incidental to the supply of the goods, such as transportation, insurance, installation, commissioning, training and initial maintenance and other such obligations of the Supplier as per the Purchase Order.
- f) "Supplier" means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Purchase Order.
- g) "The final destination," where applicable, means the place of delivery as indicated in the Purchase Order.

## **2. SUPPLIER'S RESPONSIBILITIES:**

The Supplier shall supply all the Goods and Related Services included in the Scope of Supply and the Delivery and Completion Schedule, as per Purchase Order Terms.

## **3. SUB-CONTRACTS:**

The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in his original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract. Sub-contract shall be only for bought-out items and sub-assemblies.

## **4. CONTRACT PRICE:**

Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Purchase Order shall not vary from the prices quoted by the Supplier in its bid.

## **5. COPYRIGHT:**

The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.

## **6. PATENT RIGHTS:**

The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark or industrial design rights, copyrights arising from use of the Goods or any part thereof in India.

## **7. INSPECTIONS AND TEST:**

The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services or as discussed during the course of finalizing the contract. The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. The Purchaser shall notify the Supplier in writing in a timely manner of the identity of any representatives retained for these purposes. The inspections and tests may be conducted

on the premises of the Supplier or its subcontractor(s), at the point of delivery and/or at the Goods' final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data shall be furnished to the inspectors at no charge to the Purchaser.

#### **8. PACKING INSTRUCTIONS:**

Each package will be marked on three sides with proper paint/indelible ink, the following:

- i. Purchaser Name & Address
- ii. Item Nomenclature
- iii. Order/Contract No.
- iv. Country of Origin of Goods
- v. Packing list reference number

#### **9. DELIVERY AND DOCUMENTS:**

Delivery of the Goods and completion and related services shall be made by the Supplier in accordance with the terms specified by the Purchaser in the Purchase Order. Delivery of the Goods shall be made by the Supplier in accordance with the terms specified by the Purchaser in the Purchase Order. The details of shipping and / or other documents to be furnished by the supplier will also be specified in Purchase Order.

Delivery of the goods should be made as per the Delivery Schedule incorporated in the Purchase Order. The supplier should immediately intimate the shipment details to enable to clear shipment from custom clearance within free period of time.

The supplier shall notify the purchaser the full details of the shipment including order/contract number, railway receipt number /AWB etc and date, description of goods, quantity, name of the consignee, invoice etc. The supplier shall e-mail the following documents to the purchaser with a copy to the Clearing Agent.

- i. 3 copies of the Supplier invoice showing Order/contract number, goods' description, quantity, unit price, total amount;
- ii. Acknowledgement of receipt of goods from the consignee(s) by the transporter;
- iii. Insurance Certificate if applicable;
- iv. Manufacturer's/Supplier's warranty certificate;
- v. Inspection Certificate issued by the nominated inspection agency, if any, or the Supplier's factory inspection report;
- vi. Certificate of Origin issued by Chamber of Commerce or OEM;
- vii. Two copies of the packing list identifying the contents of each package;
- viii. Airway Bill / Bill of Lading;
- ix. Certificate issued by the Manufacturer OR Beneficiary declaring that the goods have been manufactured as per the agreed specifications;
- x. Declaration by the Beneficiary that the goods are handed over to the freight forwarder for onward dispatch to the destination port

The above documents should be received by the Purchaser before arrival of the Goods (except where the Goods have been delivered directly to the Consignee with all documents) and, if not received, the Supplier will be responsible for any consequent expenses.

Please make appropriate commitments in writing that the instrument model being offered is current and is not likely to be obsolete within the next couple of years and that spare parts will be available for it for at least seven years after the installation. The Installation of the equipment is deemed complete only after all the main equipment such as EMI Receivers, Power Amplifiers, Test generators, antennas etc. are installed and tested as per the specifications in the offer/brochure / purchase order and demonstrated to the satisfaction of the end user.

## 10. INSURANCE:

The Goods supplied under the Contract shall be fully insured in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. For delivery of goods at the purchaser's premises, the insurance shall be obtained by the Supplier for an amount equal to 110% of the value of the goods from "Warehouse to warehouse" (final destinations) on "All Risks" basis including war Risks and Strikes. The insurance shall be valid for a period of not less than 3 months after installation and commissioning. However, in case of orders in foreign currency supplier should arrange insurance till Visakhapatnam port.

## 11. INCIDENTAL SERVICES:

The supplier may be required to provide any or all of the services, as discussed during the course of finalizing the contract. User and detailed Service Manual to be supplied along with the equipment

## 12. SPARE PARTS

The Supplier shall be required to provide the spare part details/materials, notifications, and information pertaining to its manufacture or distribution:

- a) Such spare parts as the Purchaser may elect to purchase from the Supplier, providing that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
- (b) In the event of termination of production of the spare parts: i) Advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed Requirements if any; and
- ii) Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if requested.

## 13. WARRANTY TERMS:

The Supplier should warrant that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

The Supplier is further required to warrant that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in India.

The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity to the Supplier to inspect such defects. Upon receipt of such notice, the Supplier shall, within a reasonable period of time expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.

**If during the period of warranty any component or spare part is need to be brought from abroad, all associated cost shall be borne by the supplier except the cost of customs duty.**

**Custom duty will be borne by SAMEER. The custom clearance and forwarding the item to SAMEER, Visakhapatnam are to be borne by the supplier. All incidental charges / demurrage charges / additional duties incurred for importing warranty replacements are to be borne by the supplier.**

All the costs involved in the replacement of the defective material/goods/parts, including the transportation cost, shall be borne by the supplier.

If having been notified, the Supplier fails to remedy the defect within a reasonable period of time the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

**14. Bank Charges:**

All banking charges outside India will be borne by the supplier and inside India charges will be borne by the purchaser.

**15. AMENDMENTS:**

The Purchaser may at any time, by written order given to the Supplier make changes within the general scope of the Contract at mutually agreed terms.

**16. ASSIGNMENT:**

The Supplier shall not assign, in whole or in part, its obligations to perform under the Contract, except with the Purchaser's prior written consent.

**17. EXTENSION OF TIME:**

Delivery of the Goods and performance of the Services shall be made by the Supplier in accordance with the time schedule specified in the contract. If at any time during performance of the Contract, the Supplier or its sub-contractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without penalty, in which case the extension shall be ratified by the parties by amendment of the Contract. Except as provided under the Force Majeure clause, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of penalty pursuant to Penalty Clause unless an extension of time is agreed upon pursuant to above clause without the application of penalty clause.

**18. PENALTY CLAUSE:**

Subject to clause on Force Majeure, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Purchase order, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as penalty, a sum equivalent to 0.5 percent of the order value for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of 10 Percent. Once the maximum is reached, the Purchaser may consider termination of the Contract for Default.

**19. TERMINATION FOR DEFAULT:**

The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part

(a) If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the contract, or within any extension thereof granted by the Purchaser (b) If the Supplier fails to perform any other obligation(s) under the Contract.

(c) If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent or collusive or coercive practices.

In the event the purchaser terminates the contract in whole or in part, he may take recourse to any one or more of the following action:

- a. The Security deposit is to be forfeited;
- b. The purchaser may procure, upon such terms and in such manner as it deems appropriate, stores similar to those undelivered, and the supplier shall be liable for all available actions against it in terms of the contract.

**20. TERMINATION FOR INSOLVENCY:**

The Purchaser may at any time terminate the Contract by giving written notice to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the Purchaser.

**21. SETTLEMENT OF DISPUTES:**

The Purchaser and the supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract. If, after thirty (30) days from the commencement of such informal negotiations, the Purchaser and the Supplier are unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms. These mechanisms



may include, but are not limited to, conciliation mediated by a third party, adjudication in an agreed national or international forum, and national or international arbitration.

**22. APPLICABLE LAW:**

The Contract shall be interpreted in accordance with the laws of India and all disputes shall be subject to jurisdiction of courts located at Visakhapatnam.

**23. NOTICES:**

Any notice given by one party to the other pursuant to this contract/order shall be sent to the other party in writing and confirmed to the other party's address specified in the Purchase Order.

**24. SITE PREPARATION AND INSTALLATION:**

The Purchaser is solely responsible for the construction of the equipment sites in compliance with the technical and environmental specifications. The Purchaser will designate the installation sites before the scheduled installation date to allow the Supplier to perform a site inspection to verify the appropriateness of the sites before the installation of the Equipment, if required. The supplier shall inform the purchaser about the site preparation, if any, needed for installation, of the goods at the purchaser's site immediately after placement of Purchase Order.

**25. TAXES AND DUTIES:**

Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the ordered Goods to the Purchaser at the final destination. However, VAT in respect of the transaction between the Purchaser and the Supplier shall be payable extra, if so stipulated in order.

**26. COMMERCIAL INVOICE** produced by Reprographic system or automated computerized system marked as original is not acceptable.

**27. INTEGRITY PACT AND CONTRACT:** The successful bidder may be required to sign an integrity pact with SAMEER. The integrity pact will commit SAMEER and the successful bidder to take all measures necessary to prevent corruption. The successful bidder will also be required to execute a contract with SAMEER, binding both the parties.

**DECLARATION:**

I/We \_\_\_\_\_ have read the entire terms and conditions of this Tender document and are agreeable to the terms and conditions mentioned herein.

Signature of Bidder

**Name:**

**Designation:**

**Company's Seal:**

# **TECHNICAL SPECIFICATIONS**

### 1. Specifications of EMI / EMC Test Instruments

- The total EMI/EMC Test instruments shall be supplied in one phase. The list of equipment and their broad specifications are given in the following sections.
- However any other equipment/ components(s)/accessory not explicitly indicated in this requirement but is/are considered essential for the system performance, operation and maintenance shall be indicated and included or excluded in the offer.
- It is the sole responsibility of the vendor to prove the performance specifications of the instruments as per their respective standards.

### 2. General requirements:

Test and Measurement Equipment of following EMI / EMC Test instruments should be provided.

### 3. Detailed Technical requirements:

Sl. No.	Equipment	Specifications
1.	Active rod-monopole Antenna	<ul style="list-style-type: none"> <li>✓ Frequency : 9kHz - 30 MHz</li> <li>✓ Impedance : 50 Ω</li> <li>✓ Antenna factor : 10/20dB per meter selectable</li> <li>✓ Measurement lower limit: 1 MHz to 30 MHz &lt; -40 dBuV/m (1 Hz)</li> <li>✓ Measurement upper limit: typ. 125 dBuV/m</li> <li>✓ To be supplied with               <ul style="list-style-type: none"> <li>• Power supply &amp; DC filter</li> <li>• Antenna mount that can be used to fulfill antenna position as per MIL-STD-461 F&amp;G requirements</li> </ul> </li> </ul>
2.	Bi-conical Antenna	<ul style="list-style-type: none"> <li>✓ Frequency : 20 MHz - 300 MHz</li> <li>✓ Impedance : 50 Ω</li> <li>✓ Polarization: Linear</li> <li>✓ RF Connector: N Female</li> <li>✓ To be supplied with tripod</li> <li>✓ Maximum Input Power: 75W CW</li> <li>✓ Connector: N female</li> <li>✓ Necessary tripod with adapters</li> </ul>
3.	Log-periodic Antenna	<ul style="list-style-type: none"> <li>✓ Frequency : 200 MHz - 1000 MHz</li> <li>✓ Polarization: Linear</li> <li>✓ Input impedance: 50 Ohms</li> <li>✓ VSWR ≤ 2</li> <li>✓ Maximum input Power: 100 W throughout the band</li> <li>✓ Connector: N female</li> <li>✓ Necessary tripod with adapters</li> </ul>
4.	Double-ridge Horn Antenna	<ul style="list-style-type: none"> <li>✓ Frequency Range: 1 - 18 GHz</li> <li>✓ Impedance : 50 Ω</li> <li>✓ Polarization: Linear</li> <li>✓ Gain: 5dBi - 14dBi</li> <li>✓ Maximum input Power: 250W CW</li> <li>✓ Connector: N female</li> </ul>

		<ul style="list-style-type: none"> <li>✓ VSWR: Typical &lt;2.0 (<math>f \geq 1.5</math> GHz)</li> <li>✓ To be supplied with tripod and necessary adapters</li> </ul>
5.	External Pre-amplifier1	<ul style="list-style-type: none"> <li>✓ Frequency range: 10kHz - 1GHz</li> <li>✓ Gain: 27 dB min.</li> <li>✓ Gain variation: <math>\pm 3</math> dB</li> <li>✓ Noise figure: 1.6 dB or better</li> <li>✓ Input VSWR: 2.0:1</li> <li>✓ Output VSWR: 2.0:1</li> <li>✓ Connectors (input/ output): N(f) or BNC(f)</li> </ul>
6.	External Pre-amplifier2	<ul style="list-style-type: none"> <li>✓ Frequency range: 1 - 18GHz</li> <li>✓ Gain: 25 dB min.</li> <li>✓ Gain variation: <math>\pm 2.75</math> dB</li> <li>✓ Noise figure: 3 dB or better</li> <li>✓ Input VSWR: 2.5:1</li> <li>✓ Output VSWR: 2.5:1</li> </ul>
7.	LISN	<ul style="list-style-type: none"> <li>✓ Shall fulfill the requirements of MIL STD 461 F/G</li> <li>✓ RF Output Socket : 50 Ohm, BNC/ N</li> <li>✓ Frequency range: 10 kHz - 50 MHz</li> <li>✓ Impedance: 50 Ohms</li> <li>✓ Inductance: 50 <math>\mu</math>H</li> <li>✓ Current rating: 50 Amps</li> </ul>
8.	RF Current Probe	<ul style="list-style-type: none"> <li>✓ Frequency range: 20 Hz - 100MHz</li> <li>✓ RF connector: N-female</li> <li>✓ Max DC current or peak AC current: 300A (<math>f &lt; 1</math>kHz)</li> <li>✓ Clamp dia : 3 cm (Inner)</li> <li>✓ Shall comply with CISPR 16-1-2 and MIL STD 461</li> </ul>
9.	Transient Limiter	<ul style="list-style-type: none"> <li>✓ Frequency Range: 9 kHz to 200 MHz</li> <li>✓ Insertion Loss: 10 dB</li> <li>✓ Maximum Input Level: Continuous: 1.0 W (+30 dBm)</li> <li>✓ Pulse: 10 kW for 10 <math>\mu</math>s, DC:<math>\pm 12</math> V</li> </ul>
10.	Artificial Mains Network (3 $\emptyset$ LISN)	<ul style="list-style-type: none"> <li>✓ 3-Phase LISN, 32A/ Phase, 415 V AC</li> <li>✓ Frequency range: 9 kHz to 30 MHz</li> <li>✓ Impedance: (50<math>\mu</math>H + 5<math>\Omega</math>)    50 <math>\Omega</math></li> <li>✓ V-network in line with CISPR, EN, VDE, ANSI, FCC Part 15 and MIL-STD-461D, E and F</li> <li>✓ Calibrated as per CISPR 16-1-2 &amp; ANSI C63.4</li> </ul>
11.	EM Absorbing clamp	<ul style="list-style-type: none"> <li>✓ Frequency Range: 30 MHz to 1000 MHz</li> <li>✓ Maximum cable diameter: 20 mm</li> <li>✓ Ball bearing rollers</li> <li>✓ Requirements and calibration in line with CISPR 16-1-3</li> </ul>
12.	RF Attenuators – 10, 20 & 30 dB	<ul style="list-style-type: none"> <li>✓ Impedance: 50 <math>\Omega</math></li> <li>✓ Frequency range: DC – 18 GHz</li> <li>✓ Type: N-male to N-Female</li> <li>✓ Average Power : 5W</li> <li>✓ Peak Power input: 1kW</li> </ul>
13.	RE 101 loop sensor	<ul style="list-style-type: none"> <li>✓ As per the requirements of MIL STD 461 F/G standard</li> </ul>
14.	Passive transmitter & active receiver	<ul style="list-style-type: none"> <li>✓ Frequency range: 9 kHz – 30 MHz</li> <li>✓ Maximum input Power: 1 kW</li> </ul>

	loop antennas	<ul style="list-style-type: none"> <li>✓ Dynamic range: <ul style="list-style-type: none"> <li>✓ min. 100 dB @ 1 MHz</li> <li>✓ min. 70 dB @ 10 kHz</li> </ul> </li> <li>✓ Impedance: 50Ω</li> <li>✓ Polarization: Linear</li> <li>✓ Pattern type: Omni-directional</li> </ul>
15.	RF/ Microwave Signal generator	<ul style="list-style-type: none"> <li>✓ Frequency range: 9 kHz – 6 GHz</li> <li>✓ Maximum output power &gt; 1MHz: +18 dBm</li> <li>✓ Minimum specified output power: -120 dBm</li> <li>✓ SSB Phase noise: <ul style="list-style-type: none"> <li>✓ f = 1 GHz, carrier Offset = 20 kHz</li> <li>✓ 1Hz measurement bandwidth: typ. -126 dBc</li> </ul> </li> <li>✓ Harmonics (for level ≤ 13 dBm): &lt; -30 dBc</li> <li>✓ AM depth: 0 to 100%</li> <li>✓ Should support FM, Phase-M, Pulse-M</li> <li>✓ Remote control option: GPIB IEEE 488.2, Ethernet (TCP/ IP), USB</li> </ul>
16.	Directional Coupler1	<ul style="list-style-type: none"> <li>✓ Frequency range: 80 – 1000 MHz</li> <li>✓ Coupling factor: 40 dB ± 1 dB</li> <li>✓ Coupling flatness: ± 0.5 dB</li> <li>✓ Directivity (typical): 25 dB</li> <li>✓ Insertion loss: 0.25 dB maximum</li> <li>✓ Power handling: 500W CW</li> <li>✓ Impedance: 50 ohms</li> <li>✓ VSWR: 1.2:1 maximum</li> </ul>
17.	Directional Coupler2	<ul style="list-style-type: none"> <li>✓ Frequency range: 1 – 6 GHz</li> <li>✓ Coupling factor: 40 dB ± 1.2 dB</li> <li>✓ Coupling flatness: ± 0.8 dB</li> <li>✓ Directivity (typical): 18 dB</li> <li>✓ Insertion loss: 0.2 dB maximum</li> <li>✓ Power handling: 250W CW</li> <li>✓ Impedance: 50 ohms</li> <li>✓ VSWR: 1.3:1 maximum</li> </ul>
18.	DC blocker	<ul style="list-style-type: none"> <li>✓ Frequency range: 10 MHz to 18 GHz</li> <li>✓ Block type: Outer</li> <li>✓ Impedance: 50 Ohms</li> <li>✓ Connector type: N male to N female</li> <li>✓ Maximum VSWR: 1.5:1</li> </ul>
19.	RF Power Amplifier1	<ul style="list-style-type: none"> <li>✓ Frequency range: 10kHz -1000 MHz</li> <li>✓ Rated Output Power: 50W min.</li> <li>✓ Power output @ 3 dB compression point: <ul style="list-style-type: none"> <li>✓ Nominal: 60W</li> <li>✓ Minimum: 40W</li> </ul> </li> <li>✓ Power output @ 1 dB compression point: <ul style="list-style-type: none"> <li>✓ Nominal: 50W</li> <li>✓ Minimum: 30W</li> </ul> </li> <li>✓ Flatness: ± 3 dB typical</li> <li>✓ Gain: 40 dB min.</li> <li>✓ Input impedance: 50 Ohms</li> <li>✓ VSWR: 2:1 maximum</li> <li>✓ Output impedance: 50 Ohms</li> <li>✓ Harmonic distortion: -20 dBc at 40W</li> <li>✓ Modulation capability: Shall faithfully reproduce AM, FM, or pulse</li> </ul>

		<ul style="list-style-type: none"> <li>✓ modulation appearing on the input signal</li> <li>✓ TOI point: 52 dBm (typ.)</li> <li>✓ RF connector type: N-type on front side</li> </ul>																																																										
20.	RF Power Amplifier2	<ul style="list-style-type: none"> <li>✓ Frequency response: 1 – 6 GHz</li> <li>✓ Rated output Power: 50W typical</li> <li>✓ Power output @ 3dB compression: Nominal 50W, Minimum 40W</li> <li>✓ Small signal gain flatness: ± 3 dB typical</li> <li>✓ Gain (at maximum setting): 45 dB typical</li> <li>✓ Input impedance: 50 ohms</li> <li>✓ Output impedance: 50 Ohms</li> <li>✓ VSWR: 2:1 typical</li> <li>✓ Modulation capability: Shall faithfully reproduce AM, FM, Pulse modulation appearing on the input signal</li> <li>✓ Third Order intercept: 50 dBm typical</li> <li>✓ Noise Figure: 10 dB typical</li> <li>✓ Harmonic distortion: -20dBc typical at 40W</li> <li>✓ Spurious: -65 dBc typical</li> <li>✓ RF Connectors: Type N-female, Front side – both input &amp; output</li> <li>✓ Safety interlock shall be provided</li> </ul>																																																										
21.	3-Phase Power Quality Analyser	<table border="1"> <tr> <td><b>Number of channels</b></td> <td>4U / 4I</td> </tr> <tr> <td><b>Number of inputs</b></td> <td>5V / 4I</td> </tr> <tr> <td><b>Voltage (TRMS AC+DC)</b></td> <td>2 V to 1,000 V</td> </tr> <tr> <td><b>Voltage ratio</b></td> <td>500kV</td> </tr> <tr> <td><b>Current (TRMS AC+DC)</b></td> <td>500 mA to 100 Aac</td> </tr> <tr> <td><b>clamp</b></td> <td>50 mA to 100 Aac/dc</td> </tr> <tr> <td><b>Current ratio</b></td> <td>up to 60 kA</td> </tr> <tr> <td><b>Frequency</b></td> <td>40 Hz to 69 Hz</td> </tr> <tr> <td><b>Power values</b></td> <td>W, VA, var, VAD, PF, DPF, cos <math>\phi</math>, tan <math>\phi</math></td> </tr> <tr> <td><b>Energy values</b></td> <td>Wh, varh, VAh, VADh</td> </tr> <tr> <td><b>Harmonics</b></td> <td>Yes</td> </tr> <tr> <td><b>THD</b></td> <td>yes, orders 0 to 50, phase</td> </tr> <tr> <td><b>Expert mode</b></td> <td>Yes</td> </tr> <tr> <td><b>Transients</b></td> <td>210</td> </tr> <tr> <td><b>Flicker</b></td> <td>Yes</td> </tr> <tr> <td><b>Pst</b></td> <td></td> </tr> <tr> <td><b>Plt</b></td> <td>Yes</td> </tr> <tr> <td><b>Inrush mode</b></td> <td></td> </tr> <tr> <td><b>Unbalance yes</b></td> <td>yes</td> </tr> <tr> <td><b>Recording</b></td> <td>yes</td> </tr> <tr> <td><b>Min/Max</b></td> <td></td> </tr> <tr> <td>of a selection of parameters at the max. sampling rate</td> <td>2 weeks to several years</td> </tr> <tr> <td><b>Alarms</b></td> <td>10,000 of 40 different types</td> </tr> <tr> <td><b>Peak</b></td> <td>yes</td> </tr> <tr> <td><b>Vectorial representation</b></td> <td>automatic</td> </tr> <tr> <td><b>Display</b></td> <td>Colour ¼ VGA TFT screen, 320 x 240, diagonal 148 mm</td> </tr> <tr> <td><b>Capture of screens and curves</b></td> <td>50</td> </tr> <tr> <td><b>Electrical safety</b></td> <td>IEC 61010 1,000 V CAT III / 600 V CAT IV</td> </tr> <tr> <td><b>Protection</b></td> <td>IP53 / IK08</td> </tr> </table>	<b>Number of channels</b>	4U / 4I	<b>Number of inputs</b>	5V / 4I	<b>Voltage (TRMS AC+DC)</b>	2 V to 1,000 V	<b>Voltage ratio</b>	500kV	<b>Current (TRMS AC+DC)</b>	500 mA to 100 Aac	<b>clamp</b>	50 mA to 100 Aac/dc	<b>Current ratio</b>	up to 60 kA	<b>Frequency</b>	40 Hz to 69 Hz	<b>Power values</b>	W, VA, var, VAD, PF, DPF, cos $\phi$ , tan $\phi$	<b>Energy values</b>	Wh, varh, VAh, VADh	<b>Harmonics</b>	Yes	<b>THD</b>	yes, orders 0 to 50, phase	<b>Expert mode</b>	Yes	<b>Transients</b>	210	<b>Flicker</b>	Yes	<b>Pst</b>		<b>Plt</b>	Yes	<b>Inrush mode</b>		<b>Unbalance yes</b>	yes	<b>Recording</b>	yes	<b>Min/Max</b>		of a selection of parameters at the max. sampling rate	2 weeks to several years	<b>Alarms</b>	10,000 of 40 different types	<b>Peak</b>	yes	<b>Vectorial representation</b>	automatic	<b>Display</b>	Colour ¼ VGA TFT screen, 320 x 240, diagonal 148 mm	<b>Capture of screens and curves</b>	50	<b>Electrical safety</b>	IEC 61010 1,000 V CAT III / 600 V CAT IV	<b>Protection</b>	IP53 / IK08
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	<b>Communication interface</b>	USB
	<b>Battery life</b>	up to 13 hours
	<b>Power supply</b>	9.6 V NiMH rechargeable battery or external mains charger

#### 4. List of Deliverables:

S. no.	Equipment	Qty.
1.	Active rod-monopole Antenna along with its tripod & battery kit	01
2.	Bi-conical Antenna along with its tripod	01
3.	Log-periodic Antenna along with its tripod	01
4.	Double-ridge Horn Antenna	01
5.	External Pre-amplifier1	01
6.	External Pre-amplifier2	01
7.	LISN	04
8.	RF Current Probe	02
9.	Transient Limiter	01
10.	Artificial Mains Network (3Ø LISN)	01
11.	EM Absorbing clamp	01
12.	RF Attenuators - 10, 20 & 30 dB	01 set
13.	RE 101 loop sensor	01
14.	Active transmitter & receiver loop antennas	01 set
15.	RF/ Microwave Signal generator up to 6 GHz	01
16.	Directional Coupler1	01 set
17.	Directional Coupler2	01 set
18.	DC blocker	02
19.	RF Power Amplifier1 - 10kHz -1000 MHz - 50W	01
20.	3-Phase Power Quality Analyser	01 set

#### 5. List of Optional items

S. no.	Equipment	Qty.
1.	Additional 2 years warranty for all the instruments	1 set
2.	RF Power Amplifier2 - 1 to 6 GHz - 50W	01

#### 6. Technical Terms and Conditions

<b>MANUALS:</b>	One set of hard copy and one set of soft copies for the following are to be supplied <ul style="list-style-type: none"> <li>○ Operating manuals</li> <li>○ Maintenance manuals</li> <li>○ Software support for future up gradation, if any.</li> <li>○ Calibration Certificates for all Equipment/ Accessories.</li> </ul>
<b>Eligibility criteria</b>	
<b>Proven system</b>	a) The vendor must have experience in executing turnkey systems, operating in India for the last 5 years. Some of the important similar

	<p>equipment mentioned in the lab requirements, must have been supplied and maintained to some of the important EMI/EMC labs in India.</p> <p>b) <b>The warranty period shall be given for three years for the total system including for third party equipment.</b></p> <p><b><u>The vendors satisfying these above conditions only shall quote. This is the major criteria for considering the offer for evaluation by TEC.</u></b></p> <p>Hence, the eligible vendors shall provide details of equipment supplied to Indian labs and satisfactory service provided to them with documented proof. And also details of</p> <p>i) Test equipment for repair in lab ii) Service staff shall be provided.</p> <p><b>The vendor shall demonstrate that he already has supplied the similar test system and set of accessories.</b></p> <p>Literature shall be submitted in technical bid for evaluation of specifications.</p>
	<p>i) Technical catalogues of OEMs giving detailed specifications of complete system / sub-system / equipment / accessory should be made available along with the quotation for Technical Evaluation of the Bid.</p> <p>ii) The technical proposals forwarded by the bidders will be evaluated by a Technical Evaluation Committee (TEC). The TEC will examine the extent of the variations / differences if any, in the technical characteristics of the equipment and also their suitability, offered by various vendors w.r.t the standards required to meet and prepare a compliance statement short listing the vendors. The vendor quoting equipment with better specifications will be given preference. The TEC can invite any vendor for technical presentation of the system and also for clarifications of specifications to determine suitability of the equipment for the standards.</p>
<b>Compatibility</b>	<ul style="list-style-type: none"> <li>Major subsystems as the Receivers, Antennas, Power Amplifiers, test pulse generators and software applications shall be from the same OEM.</li> <li>Manufacturer certificates issued by the OEM will be verified during system inspection and acceptance.</li> </ul>
<b>References</b>	<p>The supplier shall provide following reference cases information along with technical offer:</p> <ul style="list-style-type: none"> <li>A minimum of similar test instrumentation has successfully executed and installed by the vendor.</li> <li>The vendor shall produce at least one reference letter signed by an end customer for the successful supply and installation of test System of similar specifications.</li> </ul>
<b>Local service support</b>	<p>The vendor shall have a full-fledged office in India (or an Indian Representative) to give maintenance support</p>
<b>Delivery schedule</b>	<ul style="list-style-type: none"> <li>All the instruments shall be supplied in one phase and the delivery period for supply of all instruments is <b>4 months</b>.</li> <li>However any other equipment/ components(s)/accessory not explicitly indicated in this requirement but is/are considered essential</li> </ul>



	for the system performance, operation and maintenance shall be indicated and included or excluded in the offer
<b>Warranty</b>	<p>a) The supplier shall warrant that the equipment to be supplied shall be new and free from all defects and faults in materials used workmanship and manufacture and shall perform in full conformity with the specifications and applicable standards.</p> <p>b) The system/ instrument supplied shall be covered by a <b>warranty of three (3) years</b> from the date of acceptance <u>including for the equipment manufactured by 3<sup>rd</sup> party suppliers.</u> If standard warranty does not cover 3 years, additional charges to comply the 3 years warranty period may be quoted in price bid under warranty section.</p> <p>c) If within the period of warranty, the equipment is reported by the buyer to have failed to perform as per specification, the seller shall either replace or rectify the same free of charge, maximum within 10-14 working days for spares available in India and 45 working days for spares to be imported after notification of such defects received by the seller. Warranty of equipment would be extended by such duration.</p> <p>d) Seller shall ensure that the down time shall not exceed a cumulative period of 3 % (for spares available in India) / 6% (for spares to be imported) of the warranty period.</p> <p>e) If the down time exceeds the limits given above, the buyer will have the option to claim the damages. This will be without prejudice to other rights and remedies available to the buyer under law.</p> <p>f) If any customs duty or any other Govt. levy is to be paid including the freight charges on the replacement components/modules, it will be to the supplier's accounts only during warranty period.</p> <p>3 years from the date of acceptance against manufacturing defects.</p>
<b>In service life / shelf life:</b>	The equipment shall have minimum of 7 years of In-service life / shelf life. The bidder shall provide guarantee certificates for supporting major equipment from OEMs for a period of 7 years.
<b>Pricing:</b>	<b>The supplier shall quote price of each item separately.</b>

# **COMMERCIAL TERMS & CONDITIONS**

## 1. Commercial & Other Terms and Conditions

Vendor to state complied/Not Complied/Deviation in the remarks column

DESCRIPTION	ESSENTIAL CONDITIONS	Remarks
PRICES	<p>a) <b>For Import Order:</b> Prices quoted should be on <b>DAP (Destination: SAMEER Site)</b>.</p> <p>b) <b>For Local Order:</b> Prices should include delivery <b>charges up to SAMEER Visakhapatnam</b>. Octroi charges, if applicable, should be charged at actual. 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. Octroi charges, if any, will be reimbursed to the supplier on production of the octroi receipt. The purchaser will not pay any charges other than the agreed price as per the contract.</p>	
TAXES, DUTIES AND LEVIES APPLICABLE	(Existing applicable rates should be mentioned)	
	1.	
	2.	
	3.	
	4.	
PACKING	<p>The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit. In order to maintain safety of the equipment, we prefer to have wooden crating with adequate cushion inside for transportation of any goods. The Material to be dispatched with International standard packing to withstand Rigors, and to avoid any transit damages.</p>	
FREIGHT AND INSURANCE	<p>a) <b>For Local Order:</b> To be arranged by supplier.</p> <p>All the items shall be delivered to SAMEER, Visakhapatnam after obtaining a shipping release in the appropriate proforma from the purchaser. The Vendor shall be fully responsible for the safe delivery of all the items from and to SAMEER Visakhapatnam and shall satisfy the purchaser that adequate measures have been taken for the same.</p>	

	b) <b>For Import Order: DAP (at SAMEER site)</b>	
<b>OCTROI</b>	a) For Local Order: To be paid by the supplier if applicable. It will be reimbursed by SAMEER on production of actual receipt only. All formalities for octroi exemption if applicable are to be done by the supplier. b) For Import Order: Will be paid by SAMEER.	
<b>MODE OF DELIVERY</b>	a) For Local Order : By road b) For Import Order: <b>By Air</b>	
<b>WARRANTY</b>	If standard warranty does not cover 3 years, additional charges to comply the 3 years warranty period may be quoted in price bid under warranty section	
<b>PAYMENT TERMS</b>	<b>For order in Foreign currency:</b> Payment of 80% of the contractual value, phase wise shall be made through LC against shipping documents. <b>For order in INR:</b> Payment of 80% of the contractual value, against receipt of material. <b>Remaining 20% for order either in INR or Foreign Currency:</b> Payment of 10% of contractual value after commissioning, Installation and acceptance of system. Payment of balance 10% of contractual value against submission of Performance Bank Guarantee (PBG) Better payment terms may be offered to SAMEER other than those mentioned above. This is one of the criteria for selecting the bidder.	
<b>PERFORMANCE GUARANTEE</b>	The successful bidder has to give Performance Bank Guarantee (PBG) in the form of an Account Payee Demand Draft 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 10 % of Order Value. Performance Bank Guarantee should remain valid for a period of sixty days beyond the warranty period.	
<b>VALIDITY OF QUOTATION</b>	120 DAYS MIN FROM THE DUE DATE.	
<b>ANY OTHER CHARGES APPLICABLE</b>	SUPPLIER TO SPECIFY	
<b>Security Deposit</b>	<b>Security Deposit for 10 % of PO</b> value should be submitted by the successful vendor in the form of Account Payee Demand Draft , Banker's Cheque or Bank Guarantee from any commercial bank, drawn in favour of " <b>SAMEER Centre for Electromagnetic Environmental Effects (E3)</b> ", valid for 60 days beyond contract period.	

<b>EXEMPTION FOR CUSTOM DUTY AND EXCISE DUTY</b>	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 Notification No. 51/96-customs amended to 24/2007-customs dated 1st March 2007. {Approx. 9.356 % duty is applicable under this notification (5 % Basic + 4 % SAD + cess)} and <b>central excise duty exemption</b> in terms of Government Notification no. 10/97-central excise amended to 16/2007-central excise dated 1st March 2007.	
<b>JURISDICTION</b>	Jurisdiction should be VISHAKHAPATNAM, Andhra Pradesh, India	

-sd-  
Programme Director

# **Formats for Price bid and forms**

## 1. Format for Price Bid (in INR )

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### 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 figures should be enclosed along with the Technical Bid.

ITEM	DESCRIPTION	QUANTITY	RATE IN INR	PRICE IN INR
I				
II				
III				
IV	Additional charges to comply three years warranty (If standard warranty does not cover 3 years period)			
V	OTHER CHARGES			
	TAXES AND DUTIES APPLICABLE ON TEMS			
	I			
	II			
	III			
	IV			
	FREIGHT from Vendor's manufacturing facility to SAMEER Visakhapatnam			
	INSURANCE			
	OCTROI			
	ADDITIONAL CHARGES IF ANY			
	TOTAL AMOUNT			
	TOTAL AMOUNT (IN WORDS)			
	Vendor's Signature:		Seal:	

## 2. Format for Price Bid (in Foreign currency)

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### 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 figures should be enclosed along with the Technical Bid.

ITEM	DESCRIPTION	QUANTITY	RATE IN ( Name of currency )	PRICE IN ( Name of currency)
I				
II				
III				
IV	Additional charges to comply three years warranty (If standard warranty does not cover 3 years period)			
V	<b>ADDITIONAL CHARGES IF ANY</b>			
VI	<b>DAP CHARGES</b> <b>(From Vendor's manufacturing/shipping facility to SAMEER Site, Visakhapatnam)</b>			
	<b>TOTAL AMOUNT</b>			
	<b>TOTAL AMOUNT (IN WORDS)</b>			
	<b>Vendor's Signature:</b>		<b>Seal:</b>	



## Annexure - I

### 1. Company Details

1	Name of the Company	
2	Detailed Address for Correspondence	
3	Contact Peron's Name with Telephone and Email details  (To whom all references shall be made regarding this Tender)	
4	Year of Registration/ Incorporation	
5.	Date of Commencement of Business	
6.	Address of the Headquarters	
7	Number of Employees as on tender submitting date	
8	List of similar projects/systems developed for other clients	
9.	Other Relevant Information	
10.	Mandatory Supporting Documents:  a) Enclose a copy of Registration document (in case of a company not being a Government body/undertaking/PSU)/Certificate of Incorporation from Registrar Of Companies( ROC)  b) Relevant sections of Memorandum of Association of the company or filings to the stock exchanges to indicate the nature of business of the company	

## 2. Financial Details of the Organization

	FY 2015-16	FY 2016-17	FY 2017-18
Revenue (in INR Crores)			
Profit Before Tax (in INR Crores)			
Revenue from similar project/system developed/delivered (in INR Crores)			
Other Relevant Information			
Mandatory Supporting Documents: a. Auditor Certified financial statements for the Last three financial years; 2013-14, 2014-15, and 2015-16 (Please include only the sections on P&L, revenue and the assets, not the entire balance sheet.) b. Unaudited financial statements certified by the Company auditor for the latest year (2014-15) (in case the auditor certified statement for 2015-16 is not available)			

## Annexure - II

### 1. Prior Experiences

Following details for each similar project/system developed/delivered should be attached. The photograph of the product/system developed and feedback letter from client may also be attached.

1	Name of Client / Firm:	
2	Address and contact details	
3	Nature of Assignment	
4	Description of Project / system along with technical specs	
5	Current Status	
6.	Approx. value of the Assignment /job provided by your firm under the contract (in Rupees):	
7.	Mandatory Supporting Documents: a) Letter from the client duly indicating the salient points like cost, period, scope of project and successful completion of the projects	
8.	Complete details of the scope of the project shall be provided to indicate the relevance to the Qualification criterion.	

## Annexure - III

### 1. Declaration Letter

**(Company letterhead)** [Date]

To,

Programme Director,

SAMEER-Centre for E3,

Visakhapatnam.

Dear Sir,

Ref: Tender Notice for Selection of Service Provider for SAMEER E3 Project

Having examined the Tender document, the receipt of which is hereby duly acknowledged, we, the undersigned, intend to submit a qualification requirements in response to the Tender document for Supply and Installation of the **Supply, Install and Commission of EMI / EMC Test Instruments - CE/ RE** for SAMEER E3.

We attach hereto the response as required by the tender, which constitutes our proposal.

Primary and Secondary contacts for our company are:

	<b>Primary</b>	<b>Secondary</b>
<b>Name</b>		
<b>Title</b>		
<b>Company Name</b>		
<b>Address</b>		
<b>Phone</b>		
<b>Mobile</b>		
<b>Fax</b>		
<b>Email:</b>		

We confirm that the information contained in this response or any part thereof, including its exhibits, and other documents and instruments delivered or to be delivered to SAMEER is true, accurate, verifiable and complete. This response includes all information necessary to ensure that the statements therein do not in whole or in part mislead the department in its short-listing process.

We fully understand and agree to comply that on verification, if any of the information provided here is found to be misleading the short listing process, we are liable to be dismissed from the selection process or termination of the contract during the project, if selected to do so, for Supply and

Installation of **Supply, Install and Commission of EMI / EMC Test Instruments - CE/ RE** for SAMEER CE3.

We are not involved in any major litigation that may have an impact of affecting or compromising the delivery of services as required under this contract

We are not black-listed by any Government organization / Public Sector Undertaking

We agree for unconditional acceptance of all the terms and conditions set out in the Tender document.

It is hereby confirmed that I/We are entitled to act on behalf of our company/ corporation/ firm/ organization and empowered to sign this document as well as such other documents, which may be required in this connection.

Dated this      Day of      2017

(Signature)

(In the capacity of)

(Name)

Duly authorized to sign the Tender Response for and on behalf of:

(Name and Address of Company) Seal/Stamp of bidder

Witness Signature:

Witness Name:

Witness Address:

Annexure - IV

1. Board Resolution form

**CERTIFICATE AS TO AUTHORISED SIGNATORIES**

I,....., the Company Secretary of ....., certify that ..... who signed the above Bid is authorized to do so and bind the company by authority of its board/ governing body.

Date:

Signature:

(Name)

(Company Seal)