



Society for Applied Microwave Electronics Engineering & Research

Plot No.40, APIIC Industrial Park, Gambheeram Village, Anandapuram Mandal,
IIM Rd, Visakhapatnam, Andhra Pradesh-531163, Phone: 0891-2867600

TENDER DOCUMENT

Supply of High-Wattage Directional Couplers

Tender No.: SMR/CE3/VIZ/CP029/2022-23

Due on: 01/11/2022 16:30 Hrs.

Tender Fee: Rs. 590/- (including GST@18%)

EMD: Rs. 28,000/-

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1. Section – I: Instructions for submitting the Offer
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SECTION - I

INSTRUCTIONS FOR SUBMITTING THE OFFER

1. Tender document can be purchased from the Accounts Section of SAMEER located at Plot No. 40, APIIC Industrial Park, NH-16, Gambheeram, Anandapuram, Visakhapatnam - 531163 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 <https://ce3.sameer.gov.in/> or <https://eprocure.gov.in/eprocure/app>, then the **Tender Fee is not applicable**.

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

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.

A. **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 after Supply & Acceptance.

B. **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.

C. **Exemption from submission of EMD:** 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.

3. **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 the 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.

4. 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:
- An entity incorporated, established or registered in such a country; or
 - A subsidiary of an entity incorporated, established or registered in such a country; or
 - An entity substantially controlled through entities incorporated, established or registered in such a country; or
 - An entity whose beneficial owner is situated in such a country; or
 - An Indian (or other) agent of such an entity; or
 - A natural person who is a citizen of such a country; or
 - 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.

5. 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 **‘The Programme Director, SAMEER CE3, Gambheeram, Visakhapatnam 531163’**. Tender reference number 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.

6. **Further details concerning ‘Technical Bid’ and ‘Price 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 **price information**.
- The item and accessories quoted must be from original manufacturer and must be new **(No secondhand 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 along with the technical bid.
- In case of deviation 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 itemised cost of essential accessories, optional accessories and spares required need to be specified.

Technical Bid should contain the following:

- **Earnest Money Deposit (EMD) / valid certificate for exemption.**
- **Tender Fee Receipt Number** (if the tender document is purchased from Accounts Section, SAMEER CE3, Visakhapatnam).
- **Technical Specification**
- **For each item specified therein at Section II, only one model shall be quoted. Multiple models for the same item are not acceptable.**

- **SECTION III** of Tender Document i.e., Commercial Terms & Conditions duly filled, stamped and signed.
- A copy of '**Price Bid**' with all financial figures **suppressed/deleted**.
- A valid registration certificate from DPIIT as per Sr. No. 4 of Section I, if applicable.

Technical Bid without the above information will not be considered.

B. Price Bid:

Price bid shall contain the following information:

- Quotation for the items (including the price break up for all options and accessories).
- TAXES, DUTIES AND LEVIES if applicable should be clearly specified.
- Discount offered on quoted price (considering that SAMEER is an R&D organization).
- Total price should be mentioned in both figures and words. Alterations, if any, should be attested / initialed.
- The bid shall be free of hidden costs / ambiguity.
- There shall be no overwriting.
- **Conditional Price bid is not acceptable. Vendor should quote for all the items, if not the bid will be rejected.**
- **For each item specified therein at Section II, only one model shall be quoted. Multiple models for the same item are not acceptable.**

7. Tenders/Bids should be dropped in **Tender Box** only.
8. Tender received via email, fax and **Late Tenders** will not be considered.
9. Unsuccessful bidders will **not be formally informed** of the result of their tender.
10. Only **Technical Bid** will be opened on the next day of the due date. The Price Bids of the technically short-listed tenderers will be opened at a later date with intimation to the short-listed tenderers.
11. **Date and Timing for opening Tender:** Next working day after due date.
12. For any clarification, please mail to purchasevizag.sameer@nic.in.
13. **Corrigenda:** Corrigenda, if any, to this tender will be published on our website, <https://ce3.sameer.gov.in>. The bidders are advised to check our website, before submitting the bid.

14. Address of SAMEER Visakhapatnam

SAMEER - Centre for Electromagnetic Environmental Effects (CE3),
 Plot No. 40, APIIC Industrial Park,
 Gambheeram Village, Anandapuram Mandal,
 Visakhapatnam 531163, Andhra Pradesh.
 Phone: (+91-891) 2867600/612/616, Fax: (+91-891) 2867601

SECTION - II

Technical Specification for High-wattage Directional Couplers

Tender No.: **SMR/CE3/VIZ/CP029/2022-23**

A. SCOPE:

These specifications cover the demonstration and supply of the equipment up to our stores as per details given below:

S. No.	Equipment	Specifications	Vendor Compliance
1.	Directional Coupler1 - 300W – 1 GHz to 6 GHz		
	Frequency Range	1 GHz to 6 GHz	
	Power (Avg.)	300W CW	
	Coupling Factor	40 dB	
	Directivity (min.)	15 dB	
	Insertion loss (max.)	0.2 dB	
	VSWR max. (main line)	1.3:1 or better	
	Impedance	50 ohms	
	Main line connectors	N-Female/ N-Female	
	Coupled line connectors	N-Female/ N-Female	
2.	Directional Coupler2 - 300W – 6 GHz to 18 GHz		
	Frequency Range	6 GHz to 18 GHz	
	Power (Avg.)	300W CW	
	Coupling Factor	40 dB	
	Directivity (min.)	12 dB	
	Insertion loss (max.)	0.5 dB	
	VSWR max. (main line)	1.5:1 or better	
	Impedance	50 ohms	
	Main line connectors	N-Female/ N-Female	
	Coupled line connectors	SMA-Female/ SMA-Female	
3.	Directional Coupler3 - 100W – 18 GHz to 40 GHz		
	Frequency Range	18 GHz to 40 GHz	
	Power (Avg.)	100W CW	
	Coupling Factor	40 dB	
	Directivity (min.)	20 dB	
	Insertion loss (max.)	0.5 dB	
	VSWR max. (main line)	1.2:1 or better	
	Impedance	50 ohms	
	Main line connectors	2.92 mm/ 2.92 mm	
	Coupled line connectors	2.92 mm/ 2.92 mm	

Note: The Directional couplers shall cover the entire frequency range from 1 GHz to 40 GHz with the respective rated powers as indicated above. The split in frequency range is allowed covering the frequency range meeting the specifications as indicated above. Vendor should clearly indicate the split in frequency range and no. of Directional couplers quoted in the suppressed price bid too.

B. Lists of DELIVERABLES:

S. No.	Equipment	Quantity
1.	Directional Coupler1 - 300W – 1 GHz to 6 GHz	01
2.	Directional Coupler2 - 300W – 6 GHz to 18 GHz	01
3.	Directional Coupler3 - 100W – 18 GHz to 40 GHz	01

SECTION- III

Commercial & Other Terms and Conditions:

Vendor to state Complied / Not Complied – Deviations in the REMARKS column

S. No.	DESCRIPTION	ESSENTIAL CONDITIONS	Vendor Compliance
1.	PRICES	<p>a. For Import Order: Prices quoted should be on Delivery-at-Place (DAP)</p> <p>b. For Local Order: Prices should include delivery charges up to <u>SAMEER's Stores</u>. 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>	
2.	TAXES, DUTIES AND LEVIES APPLICABLE (Applicable taxes should be quoted separately and shouldn't be included in base price)	<p>(Existing applicable rates should be mentioned)</p> <ol style="list-style-type: none">1.2.3.4.5.	
3.	PACKING	All the items should be packed in suitable boxes, crated and protected from damages during the transit till it deliver to destination.	
4.	FREIGHT AND INSURANCE	<p>a. For Local Order: To be arranged by supplier.</p> <p>All the items shall be delivered to Stores Officer, SAMEER-Centre for Electromagnetic Environmental Effects (CE3), Visakhapatnam 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 CE3 Visakhapatnam and shall satisfy the purchaser that adequate measures have been taken for the same.</p> <p>b. For Import Order: To be arranged by supplier.</p>	

5.	WARRANTY	One-year Standard Warranty for each model	
6.	MODE OF DELIVERY	a. For Local Order: Road b. For Import Order: Air	
7.	DELIVERY SCHEDULE	12-14 weeks after placement of P.O.	
8.	PAYMENT TERMS	a. For Import order: 100 % after delivery followed by inspection, acceptance and installation (whichever is applicable) of material / consignment, at SAMEER. b. For Local order : 100 % after delivery followed by inspection, acceptance and installation (whichever is applicable) of material / consignment, at SAMEER.	
9.	VALIDITY OF QUOTATION	90 DAYS MIN FROM THE DUE DATE	
10.	ANY OTHER CHARGES APPLICABLE	SUPPLIER TO SPECIFY	
11.	PERFORMANCE SECURTY	The successful bidder has to give Security Deposit 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 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.	
12.	EXEMPTION FOR CUSTOM DUTY AND EXCISE DUTY	SAMEER is registered with Department of Scientific and Industrial Research (DSIR) for the purpose of availing custom duty exemption in terms of Government Notification No. 51/96-customs amended to 24/2007-customs dated 1 st March 2007. {approx. 9.356 % duty is applicable under this notification (5 % Basic + 4 % SAD + cess)} and central excise duty exemption in terms of Government Notification no. 10/97-central excise amended to 16/2007-central excise dated 1 st March 2007.	
13.	JURISDICTION	Visakhapatnam, Andhra Pradesh	

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
1.	Directional Coupler1 - 300W – 1 GHz to 6 GHz	01		
2.	Directional Coupler2 - 300W – 6 GHz to 18 GHz	01		
3.	Directional Coupler3 - 100W – 18 GHz to 40 GHz	01		
4.	OTHER CHARGES			
5.	TAXES AND DUTIES APPLICABLE ON ITEMS (Applicable taxes should be quoted separately and shouldn't be included in			
	I			
	II			
	III			
	IV			
6.	FREIGHT from Vendor's manufacturing facility to SAMEER Visakhapatnam.			
7.	INSURANCE			
8.	ADDITIONAL CHARGES IF ANY			
9.	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 (Name of currency)	PRICE IN (Name of currency)
1.	Directional Coupler1 - 300W – 1 GHz to 6 GHz	01		
2.	Directional Coupler2 - 300W – 6 GHz to 18 GHz	01		
3.	Directional Coupler3 - 100W – 18 GHz to 40 GHz	01		
4.	ADDITIONAL CHARGES IF ANY			
5.	DAP CHARGES			
6.	TOTAL AMOUNT			
7.	TOTAL AMOUNT (IN WORDS)			
	Vendor's Signature: Seal:			