



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

Sub: Supply of RF Coaxial cables, connectors and adapters

Tender No.: SMR_E3_VIZ/CP003/2018-19/LT

Due on: 16/11/2018 17:00 Hrs.

Tender Fee: Rs. 500/-

EMD: Rs. 20,000/-

Contents

1. Section – I: Instructions for submitting the Offer
2. Section – II: Technical Specifications
3. Section – III: Commercial and other terms & conditions
4. Section – IV: Format for submitting Price bid

SECTION - I

INSTRUCTIONS FOR SUBMITTING THE OFFER

1. **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.

2. Tender is to be submitted in **two separate sealed covers, superscripted 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 superscripted. Tender should address to **'The Programme Director, SAMEER-Centre for Electromagnetic Environmental Effects (CE3)', Visakhapatnam-63**. Tender reference including 'Due Date' should be clearly mentioned on all covers. Name and Address of the vendor should be mentioned at back side of all covers.

3. 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 after Supply & Acceptance.
- 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:** 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.

4. There is **no exemption** for **Tender fee** even if exempted for EMD. The applicable Tender fee is **Rs. 500/-**.

5. 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, Fax: (+91-891) 2867601

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 **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 '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 itemized cost of essential accessories, optional accessories and spares required need to be specified.

Technical Bid should contain the following information:

- a. Technical Specification
- b. SECTION III of Tender document i.e. Commercial Terms & Conditions duly filled, stamped and signed.
- c. A copy of '**Price Bid**' with all financial figures **suppressed/deleted**.

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 a R&D organization).
- d. Total price should be mentioned in both figures and words. Alterations, if any, should be attested/initiated.

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 working day of the due date. The Price Bids of the technically short-listed tenders will be opened at a later date.

11. For any clarification please mail at purchasevizag.sameer@nic.in

SECTION - II

Technical Specification for RF Coaxial cables, connectors and adapters

Against Tender No.: **SMR_E3_VIZ/PUR/CP003/2018-19/LT**

SCOPE:

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

1. ADAPTER SETS:

Sl. No	Description	Frequency	Adaptor Design	Body Style	Dielectric Type	Inner Conductor Material	Inner Conductor Plating	Body Material	Body Plating	Max VSWR	Impedance	Qty	Vendor compliance
1	N Female to N Female	DC to 18 GHz	Precision	Straight	Oxide Noryl	Beryllium copper	Gold	Stainless Steel	Passivated	1.15: 1	50 Ohms	5	
2	N Male to N Male	DC to 18 GHz	Precision	Straight	Oxide Noryl	Beryllium copper	Gold	Stainless Steel	Passivated	1.15: 1	50 ohms	5	
3	N Male to BNC Female	DC to 4 GHz	Standard	Straight	Teflon	Brass	Gold	Brass	Nickel	1.35: 1	50 ohms	5	
4	N Male to BNC Male	DC to 4 GHz	Standard	Straight	Teflon	Brass	Gold	Brass	Nickel	1.35 : 1	50 ohms	5	
5	N Female to BNC Male	DC to 4 GHz	Standard	Straight	Teflon	Brass	Gold	Brass	Nickel	1.35:1	50 ohms	5	
6	N Female to BNC Female	DC to 4 GHz	Standard	Straight	Teflon	Brass	Gold	Brass	Nickel	1.35 : 1	50 ohms	5	
7	N Male to SMA Female	DC to 18 GHz	Precision	Straight	PTFE	Beryllium copper	Gold	Stainless Steel	Passivated	1.15:1	50 ohms	5	
8	N Male to SMA Male	DC to 18 GHz	Precision	Straight	PTFE	Beryllium copper	Gold	Stainless Steel	Passivated	1.15:1	50 ohms	5	
9	N Female to SMA Male	DC to 18 GHz	Precision	Straight	PTFE	Beryllium copper	Gold	Stainless Steel	Passivated	1.15:1	50 ohms	5	

10	N Female to SMA Female	DC to 18 GHZ	Precision	Straight	PTFE	Beryllium copper	Gold	Stainless Steel	Passivated	1.15:1	50 ohms	5	
11	SMA Male to BNC Female	DC to 4 GHZ	Standard	Straight	Teflon	Brass	Gold	Brass	Nickel	1.3:1	50 ohms	5	
12	SMA Male to BNC male	DC to 4 GHZ	Standard	Straight	Teflon	Brass	Gold	Brass	Nickel	1.3:1	50 ohms	5	
13	SMA Female to BNC Female	DC to 4 GHZ	Standard	Straight	Teflon	Berillium copper	Gold	Brass	Nickel	1.3:1	50 ohms	5	
14	SMA Female to BNC Male	DC to 4 GHZ	Standard	Straight	Teflon	Berillium copper	Gold	Brass	Nickel	1.3:1	50 ohms	5	
15	N Male to N Female	DC to 18 GHZ	Standard	Straight	Teflon	Berillium copper	Gold	Brass	Nickel	1.3:1	50 ohms	5	
16	SMA Male to SMA Male	DC to 18 GHZ	Standard	Straight	Teflon	Beryllium copper	Gold	Stainless Steel	Passivated	1.25:1	50 ohms	5	
17	SMA Male to SMA Female	DC to 18 GHZ	Standard	Straight	Teflon	Beryllium copper	Gold	Stainless Steel	Passivated	1.25:1	50 ohms	5	
18	SMA Female to SMA Female	DC to 18 GHZ	Standard	Straight	Teflon	Beryllium copper	Gold	Stainless Steel	Passivated	1.25:1	50 ohms	5	
19	2.4 Female to N Female	DC to 18 GHZ	Precision	Straight	PPO	Beryllium copper	Gold	Stainless Steel	Passivated	1.15:1	50 ohms	5	
20	2.4 Female to SMA Female	DC to 26.5 GHZ	Precision	Straight	PPO	Beryllium copper	Gold	Stainless Steel	Passivated	1.2:1	50 ohms	5	
21	2.4 Female to 2.92 Female	DC to 40 GHZ	Precision	Straight	PPO	Beryllium copper	Gold	Stainless Steel	Passivated	1.3:1	50 ohms	5	
22	2.92 Male to N Female	DC to 18 GHZ	Precision	Straight	PPO	Beryllium copper	Gold	Stainless Steel	Passivated	1.15:1	50 ohms	5	
23	2.92 Male to SMA Female	DC to 26.5 GHZ	Precision	Straight	PPO	Beryllium copper	Gold	Stainless Steel	Passivated	1.2:1	50 ohms	5	
24	2.92 Female to N Male	DC to 18 GHZ	Precision	Straight	PPO	Beryllium copper	Gold	Stainless Steel	Passivated	1.15:1	50 ohms	5	

2. ATTENUATOR SETS

Sl. No.	Description	Frequency	Design	Body Material And Plating	Contact Material	Impedance	Maximum Input Power (Peak)	Maximum Input Power (Average)	Maximum VSWR	Qty	Vendor Compliance
1	N Male to N Female 3dB	DC-18 GHZ	Fixed Bidirectional	Stainless Steel / Passivated	Beryllium Copper / Gold	50 ohms	100W	2W	1.35:1	2	
2	N Male to N Female 10dB	DC-18 GHZ	Fixed Bidirectional	Stainless Steel / Passivated	Beryllium Copper / Gold	50 ohms	100W	2W	1.35:1	3	
3	N Male to N Female 20 dB	DC -18 GHZ	Fixed Bidirectional	Stainless Steel / Passivated	Beryllium Copper / Gold	50 ohms	100 W	2W	1.35:1	3	
4	SMA Male to SMA Female 3dB	DC -18 GHZ	Fixed Bidirectional	Stainless Steel / Passivated	Beryllium Copper / Gold	50 ohms	100 W	2W	1.35:1	2	
5	SMA Male to SMA Female 10dB	DC -18 GHZ	Fixed Bidirectional	Stainless Steel / Passivated	Beryllium Copper / Gold	50 OHMS	100 W	2W	1.35:1	3	
6	SMA Male to SMA Female 20 dB	DC -18 GHZ	Fixed Bidirectional	Stainless Steel / Passivated	Beryllium Copper / Gold	50 ohms	100 W	2W	1.35:1	3	

3. TESTING CABLE ASSEMBLIES

Sl. No.	Description	Frequency	Cable Type	Impedance	Max VSWR	RF Shielding	Maximum Insertion Loss / Sft	Minimum Bend Radius	Maximum VSWR	Qty	Vendor Compliance
1	Loss Coax Test Cable SMA Male to SMA Male - 5m	DC -18 GHZ	Low Loss, Flexible, Coaxial	50 ohms	1.35:1	95 dB	0.22 dB	38 mm	1.15:1	2	
2	N Male to SMA Male Low Loss Coax Test Cable - 5m	DC -18 GHZ	Low Loss, Flexible, Coaxial	50 ohms	1.35:1	95 dB	0.22 dB	38 mm	1.15:1	2	
3	N Male to N Male Low Loss Coax Test Cable - 5m	DC -18 GHZ	Low Loss, Flexible, Coaxial	50 ohms	1.35:1	95 dB	0.22 dB	38 mm	1.15:1	2	
4	N Male to N Male Low Loss Coax Test Cable - 10 m	DC -18 GHZ	Low Loss, Flexible, Coaxial	50 ohms	1.35:1	95 dB	0.22 dB	38 mm	1.15:1	2	
5	BNC Male to BNC Male Low Loss Coax Cable - 30 m	DC - 4 GHz	Low Loss, Flexible, Coaxial	50 ohms	1.35:1	95 dB	0.22 dB	38 mm	1.15:1	2	

6	N Male to N Male Low Loss Coax Cable – 1 m	DC -18 GHz	Low Loss, Flexible, Coaxial	50 ohms	1.35:1	95 dB	0.22 dB	38 mm	1.15:1	2	
7	SMA Male to SMA Male Low Loss Coax Cable – 1 m	DC -18 GHz	Low Loss, Flexible, Coaxial	50 ohms	1.35:1	95 dB	0.22 dB	38 mm	1.15:1	2	
8	N Male to N Male Low Loss Coax Cable – 2 m	DC -18 GHz	Low Loss, Flexible, Coaxial	50 ohms	1.35:1	95 dB	0.22 dB	38 mm	1.15:1	2	
9	SMA Male to SMA Male Low Loss Coax Cable – 2 m	DC -18 GHz	Low Loss, Flexible, Coaxial	50 ohms	1.35:1	95 dB	0.22 dB	38 mm	1.15:1	2	
10	2.92 mm Male to 2.92 mm Male Low Loss Coax Cable – 3 m	DC – 40 GHz	Low Loss, Flexible, Coaxial	50 ohms	1.40:1	95 dB	0.90 dB	38 mm	1.15:1	2	

4. TESTING CABLES

S. No.	Cable Type
1	RG 214/U Coaxial Cable, Polyvinyl Chloride PVC Sheath 50ohms – 100-meter bundle
2	RG 174/U Coaxial Cable, Polyvinyl Chloride PVC Sheath 50ohms – 100-meter bundle
3	RG 58C/U Coaxial Cable, Polyvinyl Chloride PVC Sheath 50ohms – 100-meter bundle

SECTION- III

Commercial & Other Terms and Conditions

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

S.N.	DESCRIPTION	ESSENTIAL CONDITIONS	REMARKS
a.	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 SAMEER's Stores. 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 (Applicable taxes should be quoted separately and shouldn't be included in base price)	<p>(Existing applicable rates should be mentioned)</p> <p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p> <p>5.</p>	
c.	PACKING	All the items should be packed in suitable boxes, crated and protected from damages during the transit till it deliver to destination.	
d.	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>	

e.	MODE OF DELIVERY	a. For Local Order : By road b. For Import Order : By Air	
f.	DELIVERY SCHEDULE	8-9 weeks after placement of P.O.	
g.	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.	
h.	VALIDITY OF QUOTATION	90 DAYS MIN FROM THE DUE DATE.	
i.	ANY OTHER CHARGES APPLICABLE	SUPPLIER TO SPECIFY	
j.	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.	
k.	JURISDICTION	Visakhapatnam, Andhra Pradesh	
Vendor's Signature			Seal

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	QUANTIT Y	RATE IN INR	PRICE IN INR
I				
II				
III				
IV				
V	OTHER CHARGES			
1.	TAXES AND DUTIES APPLICABLE ON ITEMS (Applicable taxes should be quoted separately and shouldn't be included in base price)			
	I			
	II			
	III			
	IV			
2.	FREIGHT from Vendor's manufacturing facility to SAMEER Visakhapatnam.			
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	QUANTIT Y	RATE IN (Name of currency)	PRICE IN (Name of currency)
I				
II				
III				
IV				
	ADDITIONAL CHARGES IF ANY			
	DAP CHARGES			
	TOTAL AMOUNT			
	TOTAL AMOUNT (IN WORDS)			
	Vendor's Signature:		Seal:	

S/d

Purchase Officer