

**L I M I T E D T E N D E R N O T I C E**

Tender Ref. No. SMR/CE3/VIZ/CP007/2020-21 Date 11-09-2020 Tender Due Date 12-10-2020

**Sub: Supply of Broadband Portable Power Amplifiers – Reg.**

The Programme Director, SAMEER – Centre for Electromagnetic Environmental Effects (CE3) invites sealed tender for “**Broadband Portable Power Amplifiers**” as per the details given below:

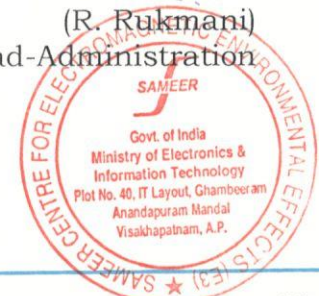
S. No.	Description of item	Qty
1.	Broad Power Amplifier1-50Ω -30W- 0.1 to 200 MHz	01 set
2.	Broad Power Amplifier2-50Ω -25W- 1000 to 6000 MHz	01 set
3.	Broad Power Amplifier3-50Ω -3W- 6 to 18 GHz	01 set

**Terms and Conditions:**

- Terms of Payment: 100% against of delivery and Acceptance.**
- Price quoted should be on the basis of destination delivery at SAMEER-CE3, Gambheeram, Anandapuram, Visakhapatnam - 531163.
- Delivery period should be within 3 months from the date of Purchase Order.
- Quotation should be valid for at least 60 days from the date of opening of the tender.
- Quotation should be sent in sealed envelope super scribing the tender reference number and tender due date. YOUR OFFER WILL NOT BE CONSIDERED IF OUR TENDER REFERENCE NO. & TENDER DUE DATE IS NOT MENTIONED ON COVER.
- Late tenders will not be accepted under any circumstances.
- SAMEER reserves the right to accept or reject any quotations fully or partly without assigning any reasons.
- Unsolicited bis shall not be considered.
- For further clarification please contact 0891-2867612/616  
Email: purchasevizag.sameer@nic.in

Yours faithfully

  
(R. Rukmani)  
Head-Administration



Plot No. 40, APIIC Industrial Park, NH-16, Gambheeram Village, Anandapuram Mandal,  
Visakhapatnam- 531 163. Andhra Pradesh, India.

प्लॉट नं. 40, ए.पी.आई.आई.सी. औद्योगिक पार्क, एन.एच-16, गंभीरम गाँव, आनंदपुरम मंडल,  
विशाखपट्टणम - 531 163. आंध्र प्रदेश, भारत

टेलीफोन / Tel. : 0891 - 2867600 / 602, फैक्स / Fax : 0891-2867601

वेबसाईट / Website : ce3.sameer.gov.in

PAN : AALAS5825K

GSTIN : 37AALAS5825K1ZW

**Detailed technical requirements:**

Sl. No.	Equipment	Specifications
<b>1.</b>	<b>Broadband Power Amplifier1 - 50Ω-30W- 0.1 to 200 MHz</b>	
	Frequency Range	0.1 MHz to 200 MHz
	Gain	43dB Typical
	Gain Flatness	±1.36dB
	Output Power at 1dB compression	40-42 dBm
	Noise Figure	8.9 dB
	Output third order intercept point <sup>2</sup>	+52dBm
	Input VSWR	1.4:1
	Output VSWR	4:1
	Blanking Isolation	60-70dB
	DC Supply Voltage	24 V
	Supply Current	6 A
<b>2.</b>	<b>Broadband Power Amplifier2- 50Ω-25W- 1000 to 6000 MHz</b>	
	Frequency Range	1000 to 6000MHz
	Gain	53 dB
	Gain Flatness	±4 dB
	Output Power at 1dB compression	+37 dBm
	Noise Figure	13 dB
	Output third order intercept point	+45 dBm
	Input VSWR	1.8:1
	Output VSWR	2:1
	DC Supply Voltage	24 V
	Supply Current	7A
<b>3.</b>	<b>Broadband Power Amplifier3- 50Ω-3W- 6 to 18 GHz</b>	
	Frequency Range	6 to 18 GHz
	Gain	35 dB
	Gain Flatness	±1.4dB
	Output Power at 1dB compression	+34 dBm
	Noise Figure	5.5 dB
	Output third order intercept point	+44 dBm
	Input VSWR	1.5:1
	Output VSWR	1.2:1
	DC Supply Voltage	15V
	Supply Current	1.3A