

Due date for submission of Quotation: **18.03.2022**

The Raman Research Institute invites Quotations for supply of **Electronic Components** directly from the manufacturers or their authorized agents adhering to the terms and conditions given below:

#### **Specifications for RF connectors**

Frequency Range	:	DC – 12 GHz (For SMA and Type-N connectors)
Nominal Impedance	:	50 Ohms
VSWR	:	< 1.15
Temperature Rating	:	-55 / +155°C
Body	:	Brass Material
Outer Contact	:	Brass Material, Plating -- Gold
Center contact	:	Beryllium Copper gold plated
Insulator	:	PTFE or PFA
Gasket	:	Silicon rubber

#### **Specifications for RF Adaptors**

Frequency Range	:	DC – 6 GHz DC-4 GHz (for BNC)
Nominal Impedance	:	50 Ohms
VSWR	:	< 1.3
Temperature Rating	:	-55 / +155°C
Body	:	Brass Material, Plating -- Gold
Outer Contact	:	Brass
Center contact	:	Beryllium Copper gold plated
Insulator	:	PTFE

#### **Specifications for RF coaxial miniature Attenuators**

Frequency Range	:	DC-4 GHz
Nominal Impedance	:	50 Ohms
VSWR	:	< 1.2
Average Power	:	2 Watts
Temperature Rating	:	-55 / +155°C
Body	:	Passivated Stainless Steel or Brass Nickel plated
Contact	:	Beryllium Copper gold plated (CuBe2)
Insulator	:	PTFE or ULTEM 1000
Body Type	:	Round with proper labelling



### List of Components

Sl. No.	Description
1	Type N (Male) SMA (Female) straight Adaptor
2	BNC (Male) SMA (Female) Adaptor
3	Type N (Male) SMA (Male) Adaptor
4	SMA (Male) SMA (Female) Adaptor
5	SMA (Male) SMA (Male) Right angle Adaptor
6	BNC (Female) SMA (Male) Adaptor
7	SMA (Male) MCX (Female) Adaptor
8	SMA T Female-Female-Female Adaptor
9	SMA T Female-Female-Male Adaptor
10	Attenuator SMA.75 3DB 6GHZ 1W 50ohms
11	Attenuator SMA.75 6DB 6GHZ 1W 50ohms
12	Attenuator SMA.75 1DB 6GHZ 1W 50ohms
13	SMA (Female) SMA (Female) Adaptor
14	Termination (50 Ohm) 0 to 4 GHz
15	SMA crimpable (brass) connector for RG174 cable
16	SMA Right angle Male-Female Adaptor
17	Adaptor N type (Female) SMA (Female) Bulkhead Type-Panel Seal
18	SMA straight Female cable connector
19	SMA straight jack receptacle for PCB solder legs
20	SMA straight plug crimp cable LMR100
21	BNC male-male Adaptor
22	BNC Female-Female Adaptor

**NOTE: Please quote for the above listed components in slabs - (1-9) / (10-24) / (25-50)...**



## ELIGIBILITY

1. Bidder should be an Original Equipment Manufacturer (OEM) or should be an Authorized Agent/Partner having Direct Purchase and Support Agreement with the OEM.

In case the Bidder is an Authorized System Integration Partner of the Principal Manufacturer (OEM), a Certificate from the Principal Manufacturer (OEM) clearly stating the relationship and level of partnership with the Partner, authorization to the Partner to quote for this Specific quotation Enquiry and back-to-back arrangement with OEM for warranty and support for five (5) years is to be furnished.

2. I) As per the Government of India, Ministry of Commerce and Industry and Department for Promotion of Industry and Internal Trade (Public Procurement Section) Order No. P-45021/2/2017-PP (BE-II) dated 04 June 2020
  - a) The Bidder shall produce a certificate whether he/she belong to "Class – I' and 'Class – II supplier' and Non – Local suppliers.
  - b) Class – I' and 'Class – II supplier' and Non – Local suppliers as classified under above mentioned Order are eligible to submit the offer. While finalising the quotation, the instructions given in the above order shall prevail.
- II) As per the Government of India, Ministry of Finance and Department of Expenditure, Public Procurement Division – Office Memorandum No. F.No.6/18/2019-PPD dated 23.07.2020, the Institute reserves the right by order in writing, impose restrictions, including prior registration and/or screening, on procurement from bidders from a country or countries, or a class of countries, on grounds of defence of India, or matters directly or indirectly related thereto including national security; no procurement shall be made in violation of such restrictions.

## EVALUATION OF BIDS:

- The bids conforming to the eligibility criteria will be considered for further evaluation.
- The bids will be shortlisted on the basis of technical parameters, features, standards compliance of all materials and equipments used, etc.
- For Technical evaluation, bidders have to ensure the availability of appropriate expert, along with every type of documentation from their organization for interacting with the Institute

## OTHER TERMS AND CONDITIONS:

**The Institute is eligible to issue Central Excise Duty Exemption Certificate or Customs Duty Concession certificate, GST Concession Certificate.**

1. The quotation should Include the following:
  - a) Detailed specifications, literature including Data Sheets etc. for the products quoted
  - b) Supporting Documents as per the Eligibility Criteria.
  - c) Detailed financial outlay with List of deliverables / Bill of materials / Bill of Quantities/ Unit price of items or services.
2. The quotations should be complete in all respects and the details specified in this request should be adhered to and **submitted on or before 18.03.2022**
3. Quotations should be valid for **180** days from the due date



4. Unit price should be mentioned, which is inclusive of all applicable discounts. Taxes and other levies should be indicated separately.
5. The Institute reserves the right to modify the technical specification or the required quantity at any time but within one week before the due date and will be notified in the Institute website
6. The Institute reserves the right to reject any or all of the quotations received without assigning any reason. It also reserves the right to accept an offer other than the lowest.
7. The final order quantity can be lower or higher than that mentioned in the request.
8. The Institute reserves the right to postpone/extend the due date for submission of the quotation without assigning any reason.
9. All deliveries should be completed within the stipulated delivery time of the purchase order due date. While the Institute reserves the right not to accept delivery in part or full, beyond the due date of delivery, liquidated damages at 1% per every week of delay will be levied. Exceptions: Force Majeure.
10. Delivery of goods should be made at our stores located on campus near Mekhri Circle, Bangalore – 560 080, at suppliers cost and risk.
11. The Institute reserves the right to call potential suppliers for technical discussions and product demonstrations.
12. Any Technical clarification required towards submission of offer may please be mailed to [purchase@rri.res.in](mailto:purchase@rri.res.in)
13. All disputes, arbitration, if any are subject to jurisdiction of courts in Bangalore only.

