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**An Aided Institute of Department of Atomic Energy,  
Government of India**



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## ENQUIRY

ENQUIRY NO : IPR/EQF/19-20/004  
Date : 04-04-2019

**Due on : 16-05-2019 by 1:00 PM IST**

Please send your offer in sealed envelope specifying Enquiry No, Date & Due Date, ALONG WITH your credentials for the following items which we are interested to import directly against Foreign Trade Policy 2015-2020.

### Important Note:

Please note that e-mail quotations are not acceptable however you may send your queries (if any) to [importpurchase@ipr.res.in](mailto:importpurchase@ipr.res.in)

Please ensure your sealed quotation reaches this office not later than above mentioned due date and time.

Kindly go through the following documents properly before quoting which are available on the IPR web portal i.e., [http://www.ipr.res.in/documents/tender\\_terms.html](http://www.ipr.res.in/documents/tender_terms.html) / attached herewith.

- 1) Instructions to the bidders & Terms and conditions (refer Form No: **IPR-FP-01.V3**)
- 2) Bidding format

**GST for Goods and Services (IGST/CGST/SGST TAX BENEFITS):** Please refer **clause no: 14** of Form No: **IPR-FP-01.V3**

### QUOTATION SHOULD BE ADDRESSED TO PURCHASE OFFICER ONLY

Sr No	Description	Quantity
1	RF amplifier as per the given specifications	1.0 Nos.

Note: 1. Please quote with complete technical details (Technical compliance sheet and product data sheet).  
2. TDS as per CGST Act: As per provisions of section No. 51 of the CGST Act 2017, TDS @2% (IGST 2% or CGST 1% and SGST 1%) will be deducted while making payment to the suppliers where total value of orders/contracts/work orders exceeds Rs. 2.5 lakhs, in the event of order in Indian Rupees. Necessary TDS Certificate will be issued to the supplier after TDS deduction.

Encl: As per attached.

Sd/-

Mr. D. Ramesh

**Information to Vendors:** We are working towards a single platform for our future requirement. Hence, please refer IPR website i.e, <http://www.ipr.res.in/documents/tendersenq.html> for our future requirement.

## Specifications of RF Amplifier

Sr. No.	Specification	IPR Requirement
1.	Frequency Range	(70 -500) MHZ or better
2.	Saturated output power	20 Watts typ.
3.	Gain	43 dB or better
4.	Output Power at 1dB gain compression point	39 dBm min or better
5.	Output power at 3 dB compression	43 dBm typ or better
6.	Gain Flatness	±1.5 dB or better
7.	Input VSWR	2 :1 max
8.	Output VSWR	3 :1 max
9.	Connector	SMA / N
10.	Input/output impedance	50 Ohms
11.	RF input (no damage)	0 dBm or better
12.	Mention supply voltage and supply current	
13.	Amplifier should have all essential accessories like heat sink and fan( if required) etc. in order to function as a standalone unit. Price should include all essential accessories.	

**Note : pl. send the data sheets of the RF amplifier along with the quotation**

## RF amplifier compliance sheet

Sr. No.	Specification	IPR Requirement	Vendor name ( to be filled by the vendor)
1.	Frequency Range	(70 -500) MHZ or better	
2.	Saturated output power	20 Watts typ.	
3.	Gain	43 dB or better	
4.	Output Power at 1dB gain compression point	39 dBm min or better	
5.	Output power at 3 dB compression	43 dBm typ or better	
6.	Gain Flatness	±1.5 dB or better	
7.	Input VSWR	2 :1 max	
8.	Output VSWR	3 :1 max	
9.	Connector	SMA / N	
10.	Input/output impedance	50 Ohms	
11.	RF input (no damage)	0 dBm or better	
12.	Mention supply voltage and supply current		
13.	Amplifier should have all essential accessories like heat sink and fan( if required) etc. in order to function as a standalone unit. Price should include all essential accessories.		

**Note : pl. do not mention 'complied', 'yes', 'ok' etc . pl. write the exact value of the specification.**

**Bidder's Official Stamp and sign:**

**Date:**