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प्लाज्मा अनुसंधान संस्थान  
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**An Aided Institute of Department of Atomic Energy,  
Government of India**



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## ENQUIRY

ENQUIRY NO : IPR/EQF/18-19/234  
Date : 25-03-2019

**Due on : 02-05-2019 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	Voltage controlled oscillator 1.2 GHz to 1.8 GHz (Detailed specifications attached)	2.0 Nos.
2	Voltage controlled oscillator 1.6 GHz to 3.2 GHz (Detailed specifications attached)	2.0 Nos.
3	Voltage controlled oscillator 3 GHz to 3.5 GHz (Detailed specifications attached)	2.0 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

Encl: Certificate will be issued to the supplier after TDS deduction.  
As per attached.

Sd/-  
Mr. D. Ramesh  
Purchase Officer-II

**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.

## Technical specifications

<b>VCO 1</b>		
<b>SI No</b>	<b>Voltage control oscillator (1.2-1.8 GHz)</b>	
1	Frequency Range	1.2-1.8 GHz
2	Phase noise	-90-110 dBc/Hz (typ)
3	o/p power	5 dBm or better
4	i/p voltage	12 VDC (typ)
5	i/p current	15-25 mA (typ)
6	o/p connector	SMA female
7	Quantity	1
<b>VCO 2</b>		
<b>SI No</b>	<b>Voltage control oscillator (1.6-3.2 GHz)</b>	
1	Frequency	1.2-3.2 GHz
2	Phase noise	-90-110 dBc/Hz (typ)
3	o/p power	5 dBm or better
4	i/p voltage	12 VDC (typ)
5	i/p current	15-25 mA (typ)
6	o/p connector	SMA female
7	Quantity	1
<b>VCO 3</b>		
<b>SI No</b>	<b>Voltage control oscillator (3-3.5 GHz)</b>	
1	Frequency Range	3- 3.5 GHz
2	Phase noise	-90-110 dBc/Hz (typ)
3	o/p power	5 dBm or better
4	i/p voltage	12 VDC (typ)
5	i/p current	180-300 mA (typ)
6	o/p connector	SMA female
7	Quantity	1

**Technical compliance form**

<b>VCO 1</b>			<b>Vendor's Value</b>
<b>SI No</b>	<b>Voltage control oscillator (1.2-1.8 GHz)</b>		
1	Frequency Range	1.2-1.8 GHz	
2	Phase noise	-90-110 dBc/Hz (typ)	
3	o/p power	5 dBm or better	
4	i/p voltage	12 VDC (typ)	
5	i/p current	15-25 mA (typ)	
6	o/p connector	SMA female	
7	Quantity	1	
<b>VCO 2</b>			<b>Vendor's Value</b>
<b>SI No</b>	<b>Voltage control oscillator (1.6-3.2 GHz)</b>		
1	Frequency	1.6-3.2 GHz	
2	Phase noise	-90-110 dBc/Hz (typ)	
3	o/p power	5 dBm or better	
4	i/p voltage	12 VDC (typ)	
5	i/p current	15-25 mA (typ)	
6	o/p connector	SMA female	
7	Quantity	1	
<b>VCO 3</b>			<b>Vendor's Value</b>
<b>SI No</b>	<b>Voltage control oscillator (3-3.5 GHz)</b>		
1	Frequency Range	3- 3.5 GHz	
2	Phase noise	-90-110 dBc/Hz (typ)	
3	o/p power	5 dBm or better	
4	i/p voltage	12 VDC (typ)	
5	i/p current	180-300 mA (typ)	
6	o/p connector	SMA female	
7	Quantity	1	

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

**Date:**