



प्लाज़्मा अनुसंधान संस्थान
INSTITUTE FOR PLASMA RESEARCH
परमाणु ऊर्जा विभाग, भारत सरकार का एक सहायता



प्राप्त संस्थान
An Aided Institute of Department of Atomic Energy,
Government of India

इन्दिरा पुल के पास, भाट, गांधीनगर - 382 428 भारत
दूरभाष: (079) 2396 2020/2021/2028
फैक्स: 91-079-23962277
वेब: www.ipr.res.in

NEAR INDIRA BRIDGE, BHAT
DIST. GANDHINAGAR - 382 428 (INDIA)
Phone: (079) 2396 2020/2021/2028
Fax : 91-079-23962277
Web : www.ipr.res.in

ENQUIRY

ENQUIRY NO : IPR/EQL/19-20/322
Date : 19-11-2019

Due on : 19-12-2019 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:

Important Note:

Please note that e-mail quotations are not acceptable however you may send your
queries (if any) to localpurchase@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 / attached
herewith.

- 1) Instructions to the bidders & Terms and conditions (refer Form No: **IPR-LP-01.V4**)
- 2) Bidding format

GST for Goods and Services (IGST/CGST/SGST TAX BENEFITS): Please refer **clause no: 8** of Form No: **IPR-LP-01.V4**

QUOTATION SHOULD BE ADDRESSED TO PURCHASE OFFICER ONLY

Sr No	Description	Quantity
1	Two Channel Arbitrary Function Generator	1.0 Nos.

Note: Note : (1) Unsigned quotations are not acceptable.
Quotation should be submitted duly signed on ALL PAGES
invariably
(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

Encl: Delivery Time:-02 months
As Per Attachment

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/tenderseng.html> for our future requirement.

Compliance form of Arbitrary Function Generator

Sr. No	Specification	IPR's Requirements	Provided by Vendor" Kindly use technical values avoid using words "yes/complied/ok/agree/confirm "
1	Standard in-built output waveforms	Sine, square, ramp, pulse, triangle, TTL, DC	
2	User-defined arbitrary programmed shaped waveform with suitable editor software	Yes	
3	Modes of Operation	Continuous, Triggered, Gated, Burst	
4	Triggering source	External, Manual, Internal	
5	Frequency Ranges / Bandwidth of arbitrary waveform generator	1 μ Hz to 30 MHz	
6	No. of channels	2	
7	Output Range @50 Ohm Load	1 mV pp to 10 V pp	
8	Voltage Resolution	16 bit or better	
9	Main Output Impedance	50 ohm	
10	DC Offset Output Voltage @50Ohm Load	0 V to \pm 5 V	
11	Line Voltage Range	230 V \pm 10% and 50 Hz	
12	Interface	LAN, USB	
13	Waveform summing and combining capacity	Yes	
14	Jitter	Less than or equals to 150 ps	
15	Rise time	Less than 10 ns	
16	Sample Rate Of Arbitrary Waveform Generator	250 Mega Samples/sec or better	
17	Record Length Of Arbitrary Waveform Generator	1Million Points	
18	THD (Total Harmonic Distortion)	0.1 % or less in range 20Hz to 20 kHz	
19	Phase Noise	-100 dBc/Hz or less	
20	Arbitrary waveform to be loaded from PC and through USB port of instrument	Availability of both facilities	
21	EMC	IEC/EN 61326-1	
22	Operating Temperature	0 deg to 40 deg Celsius	
23	Operating Humidity (RH)	5% to 80% RH or better	
24	Warranty	1 years minimum	

Bidder's official stamp and sign

D4+E:-

Technical Specification of Function Generator

Sr. No.	Specification	Technical Requirements
1	Standard in-built output waveforms	Sine, square, ramp, pulse, triangle, TTL, DC
2	User-defined arbitrary programmed shaped waveform with suitable editor software	Yes
3	Modes of Operation	Continuous, Triggered, Gated, Burst
4	Triggering source	External, Manual, Internal
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