



प्लाज्मा 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, भट, गांधीनगर - 382 428 भारत
दूरभाष: (079) 2396 2020/2021/2028
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वेब: www.ipr.res.in

NEAR INDIRA BRIDGE, BHAT
DIST. GANDHINAGAR - 382 428 (INDIA)
Phone: (079) 2396 2000/2026/2332
Fax : 91-079-23962277
Web : www.ipr.res.in

ENQUIRY

ENQUIRY NO : IPR/EQF/18-19/158
Date : 06-11-2018

Due on : 20-12-2018 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

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-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	PMT modules	8.0 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: Other details are as per attached specification sheet.

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.

Specification of PMT Module

Type : Head on type PMT Module

Wavelength range : 350 to 630 nm

Peak Wavelength : within 400 to 550 nm

Cathode Type : Bialkali or Multialkali

Effective area of cathode in terms of diameter : ≥ 22 mm

Window Material : BK7 or Borosilicate Glass

Cathode radiant sensitivity (typical) : ≥ 85 mA/Watt

PMT module output : Voltage

Output feature : Including pre-amplifier and HV power supply

Output connector : Include suitable output connector and cable,
preferably terminating with Lemo connector

Output voltage : ≤ 10 V at high impedance load

Pre-amplifier current to voltage conversion : ≥ 1 V/ μ A

Bandwidth : DC to 20 kHz

Dark current (typical) : maximum 5 nA or typically 5 mV when measured in terms of voltage

Ripple noise : ≤ 2 mV

Anode properties

either in terms radiant sensitivity (typical) : ≥ 150 V/nW

or in terms of current (maximum) : ≥ 100 μ A

Power supply : Inbuilt high voltage power supply with outside control
through potentiometer, or mono plug

Input voltage : Operated with any value within 12 to 16 Volt

Accessories: Include all the required socket, connector and accessories to make the complete system

COMPLIANCE FORM

For PMT Module

Item / Parameter	IPR Requirement	Vender Specification
Type	Head on type PMT Module	
Wavelength range	350 to 630 nm	
Peak Wavelength	within 400 to 550 nm	
Cathode Type	Bialkali or Multialkali	
Effective area of cathode in terms of diameter	≥ 22 mm	
Window Material	BK7 or Borosilicate Glass	
Cathode radiant sensitivity (typical)	≥ 85 mA/Watt	
PMT module output	Voltage	
Out put feature	Including pre-amplifier and HV power supply	
Output connector	Include suitable output connector and cable, preferably terminating with Lemo connector	
Output voltage	≤ 10 V at high impedance load	
Pre-amplifier current to voltage conversion	≥ 1 V/ μ A	
Bandwidth	DC to 20 kHz	
Dark current (typical)	maximum 5 nA or typically 5 mV when measured in terms of voltage	
Ripple noise :	≤ 2 mV	
Anode properties either in terms radiant sensitivity (typical)	≥ 150 V/nW	
or in terms of current (maximum)	≥ 100 μ A	
Power supply	Inbuilt high voltage power supply with outside control through potentiometer or mono plug	
Input voltage	Operated with any value within 12 to 16 Volt	
Accessories	Include all the required socket, connector and accessories to make the complete system	

Bidder's Sign with Official Stamp:

Date: