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, 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 2000/2026/2332
Fax : 91-079-23962277
Web : www.ipr.res.in

ENQUIRY

ENQUIRY NO : IPR/EQF/18-19/093
Date : 20-07-2018

Due on : 23-08-2018 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	Nd:YAG laser line (1064nm) mirror as per the attached specification	4.0 Nos.
2	Broadband Dielectric mirror as per the attached specification	2.0 Nos.
3	Zero-order Quarter wave plate with compatible optical mounts as per attached specification	2.0 Nos.
4	Zero-order Half wave plate with compatible mounts as per attached specification	2.0 Nos.
5	Absorptive neutral density filters with compatible optical mounts as per attached specification	1.0 EACH

Note: Please quote with complete technical details (Technical compliance sheet and product data sheet).
Encl: Refer attached sheet for detailed technical specification.

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.

Specifications for Nd:YAG laser line (1064nm) mirror

Sl. No.	Specifications	Parameters
1.	Mirror diameter	1 inch
2.	Wavelength	1064 nm - Fundamental
3.	Angle of incidence	0^o to 45^o
4.	Surface finish	λ/10 @ 633 nm
5.	Reflectivity	> 98%
6.	Scratch - Dig	10-5
7.	Material	BK-7 or Fused silica

Specifications for Broadband Dielectric mirror

Sl. No.	Specifications	Parameters
1.	Mirror diameter	1 inch
2.	Wavelength range	750 m to 1100 nm
3.	Angle of incidence	0^o to 45^o
4.	Surface finish	λ/10 @ 633 nm
5.	Reflectivity	> 99%
6.	Scratch - Dig	10-5
7.	Material	Fused silica

Specifications for Zero-order Quarter wave plate with compatible optical mounts

Sl. No.	Specifications	Parameters
1.	Material	Crystalline quartz
2.	Wavelength range	1064 nm
3.	Diameter of waveplate	1 inch
4.	Retardance	λ/4
5.	Retardance tolerance	< λ/100
6.	Scratch – Dig	20-10
7.	Coating	AR coated
8.	Mount	2 inch, 360^o Rotation mount with gradations

Specifications for Zero-order Half wave plate with compatible mounts

Sl. No.	Specifications	Parameters
1.	Material	Crystalline quartz
2.	Wavelength range	1064 nm
3.	Diameter of waveplate	1 inch
4.	Retardance	λ/2
5.	Retardance tolerance	< λ/100
6.	Scratch - Dig	20-10
7.	Coating	AR coated
8.	Mount	2 inch, 360^o Rotation mount with gradations

Specifications for Absorptive neutral density filters with compatible optical mounts

Sl. No.	Specifications	Parameters
1.	Material	ND filter glass
2.	Wavelength range	1064 nm
3.	Diameter	2 inch
4.	Optical densities	One each of : 0.5, 0.6, 1.0, 1.3, 2.0, 3.0 and 4.0
5.	Coating	AR coated
6.	Mounts	• Compatible with size of filter • Compatible with M6 optical breadboard

Compliance sheet for Nd:YAG laser line (1064nm) mirror

Sl. No.	IPR's Specifications		Vendor's specification
1.	Mirror diameter	1 inch	
2.	Wavelength	1064 nm - Fundamental	
3.	Angle of incidence	0^o to 45^o	
4.	Surface finish	λ/10 @ 633 nm	
5.	Reflectivity	> 98%	
6.	Scratch - Dig	10-5	
7.	Material	BK-7 or Fused silica	

Compliance sheet for Broadband Dielectric mirror

Sl. No.	IPR's specifications		Vendor's specification
1.	Mirror diameter	1 inch	
2.	Wavelength range	750 m to 1100 nm	
3.	Angle of incidence	0^o to 45^o	
4.	Surface finish	λ/10 @ 633 nm	
5.	Reflectivity	> 99%	
6.	Scratch - Dig	10-5	
7.	Material	Fused silica	

Compliance sheet for Zero-order Quarter wave plate with compatible optical mounts

Sl. No.	IPR's Specifications		Vendor's specification
1.	Material	Crystalline quartz	
2.	Wavelength range	1064 nm	
3.	Diameter of waveplate	1 inch	
4.	Retardance	λ/4	
5.	Retardance tolerance	< λ/100	
6.	Scratch – Dig	20-10	
7.	Coating	AR coated	
8.	Mount	2 inch, 360^o Rotation mount with gradations	

Compliance sheet for Zero-order Half wave plate with compatible mounts

Sl. No.	Specifications		Vendor's specification
1.	Material	Crystalline quartz	
2.	Wavelength range	1064 nm	
3.	Diameter of waveplate	1 inch	
4.	Retardance	λ/2	
5.	Retardance tolerance	< λ/100	
6.	Scratch - Dig	20-10	
7.	Coating	AR coated	
8.	Mount	2 inch, 360^o Rotation mount with gradations	

Compliance sheet for Absorptive neutral density filters with compatible optical mounts

Sl. No.	Specifications		Vendor's Specification
1.	Material	ND filter glass	
2.	Wavelength range	1064 nm	
3.	Diameter	2 inch	
4.	Optical densities	One each of : 0.5, 0.6, 1.0, 1.3, 2.0, 3.0 and 4.0	
5.	Coating	AR coated	
6.	Mounts	• Compatible with size of filter • Compatible with M6 optical breadboard	

Date : **Bidder's Sign and Official Stamp**