संगठन का नाम	भारतीय भूचुम्बकत्व संस्थान
निविदा क्र.	भाभूस/निविदा/ऑघ/17/2022
संगठन की किस्म	अनुसंधान केन्द्र
उत्पाद श्रेणी	ऑप्टिकल घटक
टेंडर की किस्म	एकल बोली
ईएमडी	रू. 12,000.00
निष्पादन सुरक्षा	टेंडर की लागत का 5%
निविदा मूल्य	रू. 6,00,000.00
स्थान	भारतीय भूचुम्बकत्व संस्थान प्लॉट क्र. 5, सेक्टर - 18, कलंबोली हाइवे, न्यू पनवेल, नवी मुंबई 410 218
प्रस्तुत करने की अंतिम तारीख	24/03/2022 को 14.00 बजे
टेंडर खोलने की तारीख	24/03/2022 को 16.00 बजे
संपर्क	खरीद एवं भंडार अधिकारी
ई-मेल आईडी	iig.pso.stores@iigm.res.in
दूरध्वनि	022-27484102
फॅक्स	022-27480762

Organization Name	Indian Institute of Geomagnetism, New Panvel
Tender No.	IIG/Tender/OC/17/2022
Type of Organization	Research Centre
Product Category	Optical Component
Tender Type	Single BID
EMD	Rs. 12,000.00
Performance Security	5 % of the value of Order
Tender Value	Rs. 6,00,000.00
Location	New Panvel
Last date for Submission	24/03/2022 upto 14:00 PM
Opening Date	24/03/2022 0n 16.00 PM
Contact	Purchase and Stores Officer
Email	iig.pso.stores@iigm.res.in
Telephone	022-27484102
Fax	022-27480762

INDIAN INSTITUTE OF GEOMAGNETISM
(AN AUTONOMOUS ORGANISATION OF THE DEPARTMENT OF SCIENCE & TECHNOLOGY, GOVT OF INDIA)

Telephone : 022 – 2748 4000
FAX : 022 – 2748 0762

Address : Plot No. 5, Sector-18, Kalamboli Highway, New Panvel, Navi Mumbai 410 218

Email : iig.pso.stores@iigm.res.in

Website : www.iigm.res.in

TENDER FOR

Purchase of Optical Components

Tender No. IIG/Tender/OC/17/2022

TENDER DOCUMENT

AT

INDIAN INSTITUTE OF GEOMAGNETISM (DEPARTMENT OF SCIENCE & TECHNOLOGY)
PLOT NO.5, SECTOR-18, KALAMBOLI HIGHWAY,
NEW PANVEL, NAVI MUMBAI 410 218

Subject: Supply of

Supply of Optical Components at the following location of the Institute:

Sr. No.	Location	Quantity
01.	Indian Institute of Geomagnetism Plot No.5, Sector-18, Kalamboli Highway, New Panvel, Navi Mumbai – 410 218	As per Annexure I

Scope of work & Technical Specification:

The following table provides details of the Component, Specification & Quantity.

S.No	Component	Specification	Qty.
	As per Annexure –I		

TERMS & CONDITIONS

General Conditions:

a. Throughout the Tender document the term "SUPPLIER'' shall mean the successful Tenderer.
b. Institute reserves the right to accept or reject any tender offer without assigning any reason, whatsoever. The Institute is not bound to accept the lowest price offer.
c. After Scrutiny of Technical bids, Commercial bids of only those bidders who are shortlisted on technical basis will be opened at a later date.
d. Current and valid Income Tax Certificate, Tax Registration, and Valid Trade License Certificate should be submitted along with tender, otherwise the quotation is liable to be rejected.
e. The quoted rates should be inclusive of all taxes.
f. Tenders not conforming to the Terms and Conditions and specifications mentioned in the tender documents are liable to be rejected.
g. The price schedule should reflect all the taxes levied separately. Basic price and taxes to be quoted separately.
h. The Institute is exempted from payment of Custom/Excise duty.

EMD

a. An amount of Rs. 12,000.00 will be deposited by the bidder along with the bid as EMD by a crossed Demand Draft/Bank Guarantee in favour of "The Director, Indian Institute of Geomagnetism" payable at Panvel, Navi Mumbai.
b. The bid without EMD shall be summarily rejected.
c. Those who are registered with NSIC are exempted for submission of EMD.

Warranty and post installation support:

The successful Tenderer must furnish a warranty for providing free post installation comprehensive support during a warranty period of one year or more from the date of successful installation and commissioning.

Delivery:

Free of cost delivery to the consignee at the site locations mentioned in tender documents within two weeks after placement of Purchase Order.

Performance Security:

The successful Tenderer shall deposit a sum which is equal to the 5% of the value of the order to the Institute in the form of Bank Draft /Bank Guarantee on any Nationalized Bank drawn in favour of "Director, Indian Institute of Geomagnetism" payable at Panvel, Navi Mumbai towards Security Deposit.

a) Within 14 days from the date of acceptance of tender (Security Deposit will not carry any interest).
b) Security Deposit will be refunded after 12 months after successful installation and commissioning of the system.
c) Security Deposit will be forfeited for unsatisfactory performance by the supplier.

Price Validity:

Three months from the date of opening of the price bid.

Payment Schedule:

Payment will be made on completion of supply, installation and successful commissioning of the systems and submission of Performance Bank Guarantee.

Tender Details

Tenders are to be submitted in prescribed tender form in sealed envelope mentioning **"Optical Components.**"

To,

The Director,

Indian Institute of Geomagnetism,

Kalamboli Highway, New Panvel,

Navi Mumbai : 410 218.

on or before the 24/03/2022

1) Interested firms may contact,

   Stores and Purchase Officer Tele No. 022 – 2748 4102

   Between 10.00 a.m. to 5.00 p.m. for any clarification

2) The tender document may be downloaded from website http://www.iigm.res.in. The tender document shall not be issued by post.

3) The validity of the tender will be 90 days from the date of opening of Price bid.

4) Last date / Time and place for submission of sealed tender.

   Last Date of submission : 24/03/2022 upto 14.00 hrs

   Opening of Tender : 24/03/2022 by 16.00 hrs

Tenders will be opened as indicated in the presence of the Tenderers or their authorized representatives, who wish to be present. If the date of opening of the tenders does not materialize due to the reasons beyond our control, the same will be opened on the next working day at the same time and place.

5) Any bid received by IIG NEW PANVEL after the deadline for submission of bids prescribed by IIG NEW PANVEL, will be summarily rejected and returned unopened to the Bidder. IIG NEW PANVEL shall not be responsible for any postal delay or non-receipt / non-delivery of the documents. No further correspondence on this subject will be entertained.

Proforma for Tenderer's Profile

Information about Tenderer (To be submitted along with the Tender):

1. Name of the Firm:
2. Registered Address:
3. Contact Phone Number (s):
4. Telephone Number:
5. Whether the Firm a:
   i) Central /State Government Undertaking:
   ii) Sole Proprietary Company or Partnership Firm/(P) Ltd. Company:
6. Name of Sole Proprietor OR Names of Partners/Directors:
7. Name of person authorized to sign Tender Bid & negotiate and the capacity in which he is authorized:
8. Permanent Income Tax A/C No:
9. Engaged in the Business of Manufacture/Supply of the items since when:
10. Company profile indicating level of Expertise available, with supporting reference (Extra Sheet/s may be attached):
11. Annual Turnover for last two years quantity of work-wise: + in number of executed Work Orders + the Bill Amounts.
12. A list (with full addresses) of prominent organizations where the bidding firm have undertaken similar supplies.
13. Vendor's last two years financial details (audited balance sheets/turn over etc.)
14. Tender documents signed and stamped on each page.

Sd/-

Annexure I

Sr. No.	Component	Specifications	Quantity
1	VIS/NIR Patchcord 200 micron Fiber with FC Connector	Acceptance Angle (°): 25.4 Cladding Diameter (µm): 220 Minimum Bend Radius (mm): 44/22 (Continuous/Momentary) Length (m): 1.50 Numerical Aperture NA: 0.22 Core Diameter (µm): 200 ±4 Wavelength: VIS/NIR Index of Refraction n_d- Core: 1.458 Index of Refraction n_d- Cladding: 1.441 Wavelength Range (nm): 300 – 2400 Jacket Material: PVC Monocoil Jacket Diameter (mm): 2.84	1
2	Kinematic & Differential Micrometer Drive Fiber Alignment Mount	Type: Adjustable - Linear (XY) & Tip-Tilt Construction: Black Anodized Aluminum Type of Optics: Fiber Connector Compatible Post: M6 x 1.0 Fiber Connection: FC Type of Drive: Differential Micrometer Linear Travel (mm): ±1.5 Linear Travel Resolution (µm): 2.5 Tip/Tilt Angle (°): ±2 Angular Resolution (°): 0.36	1
3	25.4mm Length, M6 Stud, Steel Post	Diameter (mm): 12.7 Length (mm): 25.4 Type: Metric Male Thread: M6 x 1.0	1
4	75mm Dia. × 150mm FL, VIS-NIR Coated, Achromatic Lens	Diameter (mm): 75.00 Effective Focal Length EFL (mm): 150.00 Focal Length Tolerance (%): ±2 Back Focal Length BFL (mm): 126.46 Focal Length Specification Wavelength (nm): 587.6 Clear Aperture CA (mm): 73.5 Substrate: N-BAK1/N-SF8	1

		Surface Quality: 40-20 f/#: 2.00 Numerical Aperture NA: 0.25 Power (P-V) @ 632.8nm: 1.5λ Irregularity (P-V) @ 632.8nm: λ/4 Bevel: Protective bevel as needed Type: Achromatic Lens Wavelength Range (nm): 400 - 1000	
5	75.0/76.2mm Optic Dia., Optical Cell Kinematic Mount	Type: Adjustable - Tip-Tilt Construction: Black Anodized Aluminum, Stainless Steel Type of Optics: Circular Size of Compatible Optics (mm): 75.0 - 76.2 Clear Aperture CA (mm): 71.4 Range: 5° Dimensions (mm): 146.1 x 76.2 x 158.8	1
6	75.0/76.2mm Optic Dia., Optical Cell Assembly	Type: Fixed Construction: Black Anodized Aluminum Type of Optics: Circular Size of Compatible Optics (mm): 75.0 - 76.2 Compatible Post: ¼-20 Clear Aperture CA (mm): 71.4 Thickness of Compatible Optics (mm): <22.4 Maximum Diameter (mm): 95.3	1
7	Mounted Iris Diaphragm	Type: Mounted Minimum Aperture (mm): 1.2 Maximum Aperture (mm): 30.0 Outer Diameter (mm): 48.0 Construction: Brass Housing, Tempered Steel Leaves Diameter of Compatible Optics (mm): 33.0 Thickness of Compatible Optics (mm): 2.0	1
8	25mm Dia. × 175mm FL, MgF_2 Coated, Plano-Convex Lens	Diameter (mm): 25.00 Effective Focal Length EFL (mm): 175.00 @ 587.6nm Back Focal Length BFL (mm): 172.85 Coating: MgF_2 (400-700nm) Substrate: N-BK7 Surface Quality: 40-20 Power (P-V) @ 632.8nm: 1.5λ Irregularity (P-V) @ 632.8nm: λ/4 Focal Length Tolerance (%): ±1 Clear Aperture CA (mm): 24	1

		f/#: 7 Numerical Aperture NA: 0.07 Type: Plano-Convex Lens Bevel: Protective bevel as needed Wavelength Range (nm): 400 – 700	
9	25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Type: Adjustable - Linear (XYZ) Construction: Black Anodized Aluminum Type of Optics: Circular Size of Compatible Optics (mm): 25.0 - 25.4 Clear Aperture CA (mm): 22.0 Thickness of Compatible Optics (mm): 11.0 (Max) Outer Diameter (mm): 65.0 Thickness (mm): 34.0 Travel (mm): ±2.0 in X and Y, ±1.5 in Z Compatible Post: M6 x 1.0	1
10	38.1mm Length, M6 Stud, Steel Post	Diameter (mm): 12.7 Length (mm): 38.1 Type: Metric Male Thread: M6 x 1.0	1
11	600 × 1200 mm Metric Lab Table	Type: Metric Length (mm): 1200 Width (mm): 600 Thickness (mm): 50 Construction: Stainless Steel (400 Series) Top and Bottom Plates, Plated Steel Honeycomb Core, High Pressure Laminate Core Sidewalls Core Cell Area (cm^2): ≤3 Flatness (mm): 0.13 Mounting Threads: (1012) M6 Tapped on 25mm Centerlines, on 37.5mm Corners Weight (kg): Less than 35 Kg	1

12	14mm Optical Shutter, Connector, Shutter Driver	Application: PMT protection, Imaging Aperture: 14mm Housing: Un-housed (with provision for inserting housing) Type: Slim, small form-factor Blade Coating: Teflon Coated S.S. Blades Electronic Sync.: Yes Connector: 7-Pin Male Mount : No Mount Operation: Uni-stable Delay time on opening after current applied: 2.0 msec Transfer time on opening: 1.5 msec Total opening time: 3.5 msec Transfer time on closing: 3.0 msec Total window time: 6.5 msec Min. exposure time: 4 msec Connector: 7F Connector (Min. 2 pack) Coil Resistance: 12 Ohms Pulse Voltage to Open: +65 VDC Weight: Less than 3 oz Operating Temperature: 0-80 °C Max. Opening Bounce: 15% Max. Closing Bounce: 5% Max. Freq. of Operation[2] : 10.0 Hz / 40.0 Hz Number of Shutter Blades: 2 Shutter Driver: Compatible, Manual (included on flash drive) Cable: 710A, 3.0 m Fuses: 2 (0.25 AMP S-B) Switch Keys	1