



## NATIONAL INSTITUTE OF TECHNOLOGY PATNA

(An Institute under Ministry of HRD, Govt. of India)

**ASHOK RAJPATH, PATNA-800 005 (BIHAR)**

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**Tender No. NITP/19-20/11 dated 12/10/2019**

**Sub: Tender for supply of Optics and Optomechanics under ECR, DST-SERB Project-PI Dr. Aniruddha Paul.**

National Institute of Technology Patna, an Institute of National Importance, invites sealed tenders from reputed Original Equipment Manufacturers / Authorised Dealers / Bidders for quality **Tender for supply of Optics and Optomechanics under ECR, DST-SERB Project-PI Dr. Aniruddha Paul.**

All interested tenderers are requested to send their sealed quotation as per technical specifications in **Annexure – I (a) & (b)** and price bid as per **Annexure-III (under two bid system)**. For general terms & conditions, instructions to bidders etc. please refer **Annexure- II.**

Tender will be accepted by **05.11.2019 upto 12:30 p.m.**

Detailed descriptions of the item and instructions for submitting your offer can be downloaded from our website **[www.nitp.ac.in](http://www.nitp.ac.in)**.

The proposals must be sent in two separate sealed envelopes (Technical Bid and Price Bid) duly subscribed with Reference number and Tender Notice details as appended hereunder:-

**TENDER FOR Tender for supply of Optics and Optomechanics under ECR, DST-SERB Project-PI Dr. Aniruddha Paul.**

**TENDER REF NO: Tender No. NITP/19-20/11, DATED 12.10.2019, LAST DATE FOR SUBMISSION. UPTO 05.11.2019 at 12:30 P.M.**

To,  
The Registrar  
National Institute of Technology Patna  
Bihar, INDIA

From: M/s \_\_\_\_\_

Address: \_\_\_\_\_

Contact No.: \_\_\_\_\_

Email ID: \_\_\_\_\_

evaluation of their technical bids. **The bids will be opened on 05.11.2019 at 3:30 PM**, in the office/department at NIT Patna, in the presence of the Bidders/Vendors or their authorized representative who wish to be present.

Registrar

## Annexure - 1(a)

### DETAILED SPECIFICATION

Technical Specification of Items, namely, Optics and Optomechanics, for DST-SERB Project, PI - Dr. Aniruddha Paul, Dept. of Chemistry, NIT Patna.

#### List of Items:

Sl No	Items	Specification	Preferable make
1.	<b>Optics</b>	List of individual components with details of specifications is given in <b>List 1</b> below	Only very reputed make like Thorlabs, Edmund Optics, Newport are allowed.
2.	<b>Optomechanics</b>	List of individual components with details of specifications is given in <b>List 2</b> below	Only reputed make like Holmarc, Newport, Thorlabs are allowed.

**N.B.:** Preference will be given to those bids that cover the entire list of components (with suitable technical specifications) for a given Item category.

#### List 1

##### Optics: Detail list of components\*

S. No	Specification of Components	Qty
1	f = 75.0 mm (or 75.3 mm), Diameter 2" ( $\varnothing$ 2"), UV Fused Silica Plano-Convex Lens, Uncoated	1
2	f = 100.0 mm, Diameter 2" ( $\varnothing$ 2"), UV Fused Silica Bi-Convex Lens, Uncoated	1
3	f = -30.0 mm, Diameter 1" ( $\varnothing$ 1") UV Fused Silica Plano-Concave Lens, Uncoated	1
4	f = 40.1 mm (or 40mm), Diameter 1" ( $\varnothing$ 1") UV Fused Silica Plano-Convex Lens, Uncoated	1
5	f=150mm, Diameter 1" ( $\varnothing$ 1") UVFS Plano-Convex Lens, AR Coated: 350 - 700 nm	1
6	f = -30 mm, Diameter 1" ( $\varnothing$ 1"), UV Fused Silica Plano-Concave Lens, AR Coated: 350 - 700 nm	1
7	2" x 2" Broadband Dielectric Mirror, 400 - 750 nm	1
8	Diameter 1" ( $\varnothing$ 1") Broadband Dielectric Mirror, 400 - 750 nm	2
9	Diameter 2" ( $\varnothing$ 2") Broadband Dielectric Mirror, 400 - 750 nm	2
10	Mounted Continuously Variable ND Filter, Diameter 50 mm ( $\varnothing$ 50 mm), OD: 0.04 - 2.0	1
11	Unmounted 2" x 2" Absorptive ND Filter, Optical Density: 0.1	1
12	Unmounted 2" x 2" Absorptive ND Filter, Optical Density: 0.3	2

13	Unmounted 2" x 2" Absorptive ND Filter, Optical Density: 1.0	2
14	Unmounted 2" x 2" Absorptive ND Filter, Optical Density: 2.0	1
15	Unmounted 2" x 2" Absorptive ND Filter, Optical Density: 4.0	1
16	Diameter 1" ( $\varnothing$ 1"), Bandpass Filter, Wavelength $450 \pm 8$ nm, FWHM = $40 \pm 8$ nm	1
17	Diameter 1" ( $\varnothing$ 1"), Bandpass Filter, Wavelength = $500 \pm 8$ nm, FWHM = $40 \pm 8$ nm	1
18	Diameter 1" ( $\varnothing$ 1"), Bandpass Filter, Wavelength = $550 \pm 8$ nm, FWHM = $40 \pm 8$ nm	1
19	Diameter 1" ( $\varnothing$ 1"), Bandpass Filter, Wavelength = $600 \pm 8$ nm, FWHM = $40 \pm 8$ nm	1
20	Diameter 1" ( $\varnothing$ 1"), Bandpass Filter, Wavelength = $650 \pm 8$ nm, FWHM = $40 \pm 8$ nm	1
21	Diameter 1" ( $\varnothing$ 1"), Bandpass Filter, Wavelength = $750 \pm 8$ nm, FWHM = $40 \pm 8$ nm	1
22	Diameter 1/2" ( $\varnothing$ 1/2") Mounted Achromatic Quarter-Wave Plate, $\varnothing$ 1" Mount, 400 - 800 nm	1
23	Diameter 1" ( $\varnothing$ 1") Linear Polarizer with N-BK7 Windows, 400 - 700 nm	1
24	Rotation Mount for Diameter 1" ( $\varnothing$ 1" = $\varnothing$ 25.4 mm) Optics, 360° Continuous or 15° Indexed Rotation, 8 - 32 Tap	1

\*Components are metric standard equivalent, i.e., 1"  $\equiv$  25 mm, 2"  $\equiv$  50 mm, unless specifically mentioned.

## List 2

### **Optomechanics: Detail list of components**

<b>Sl. No</b>	<b>Specification of Components</b>	<b>Qty</b>
1	Rigid Lens Mount for optics size (diameter) 25 mm or 1"	6
2	Rigid Lens Mount for optics size (diameter) 50 mm or 2"	3
3	Kinematic Mounts For Rectangular Optics, Plane Mirror Mount with Translation, for optics size (diameter) 50 mm or 2"	1
4	Kinematic Mounts For Circular Optics, Circular Mirror Mount with Translation, for optics size (diameter) 50 mm or 2"	1
5	Kinematic Mounts For Circular Optics, Circular Mirror Mount with Translation, for optics size (diameter) 25 mm or 1"	1
6	Rigid Flip Mount for Circular mirror, for optics size (diameter) 25 mm or 1"	1
7	Rigid Flip Mount for Circular mirror, for optics size (diameter) 50 mm or 2"	1
8	Circular Filter Cells, for optics size (diameter) 25 mm / 1"	10
9	Filter Cell Holder, for optics size (diameter) 25 mm / 1", suitable for filter cell	3
10	Standard Variable Round Aperture, Max Aperture 12 mm, Min Aperture 0.8 mm + Compatible aperture mount	1
11	Standard Variable Round Aperture, Max Aperture 37 mm, Min Aperture 1.2 mm + Compatible aperture mount	1
12	Standard Variable Round Aperture, Max Aperture 50 mm, Min Aperture 2 mm + Compatible aperture mount	1
13	Square Filter Holder, 50 mm length optics	2
14	YZ Lens Mount with YZ travel range min. 4 mm, for optics size (diameter) 25 mm	1

	or 1"	
15	Steel Post with M6 and M4 threaded ends, diameter 16mm, length 50 mm	6
16	Post Holder for 16 mm diameter posts, length 75 mm	8
17	Steel Post with M6 and M4 threaded ends and engraved scale reference, diameter 16mm, length 50 mm	5
18	Steel Post with M6 and M4 threaded ends and engraved scale reference, diameter 16mm, length 75 mm	6
19	Steel Post with M6 and M4 threaded ends and engraved scale reference, diameter 16mm, length 100 mm	4
20	Pedestal Adapter (5 mm thickness) with M6 stud for mounting, for Post Holder for diameter 16 mm, set of 5 pieces	2
21	Pedestal Post Holder with pedestal foot of thickness 5mm, for 16 mm diameter posts, length 75 mm	4
22	Pedestal Fork	10
23	Post Collar for 16 mm posts	6
24	Steel Post with M6 and M4 threaded ends and engraved scale reference, diameter 12mm, length 75 mm	6
25	Steel Post with M6 and M4 threaded ends and engraved scale reference, diameter 12mm, length 100 mm	6
26	Steel Post with M6 and M4 threaded ends and engraved scale reference, diameter 12mm, length 125 mm	6
27	Steel Post Holder for 12 mm diameter posts, length 75 mm	5
28	Steel Post Holder for 12 mm diameter posts, length 100 mm	5
29	Pedestal Adapter (5 mm thickness) with M6 stud for mounting, for Post Holder for diameter 12 mm, set of 5 pieces	1
30	Pedestal Post Holder with pedestal foot of thickness 5mm for 12 mm diameter posts, length 75 mm	3
31	Pedestal Post Holder with pedestal foot of thickness 5mm for 12 mm diameter posts, length 100 mm	3
32	Post Collar for 12 mm posts	6
33	Post Bases, U -Type, for 12 & 16 mm diameter posts	5
34	Post Bases, H -Type, for 12 & 16 mm diameter posts	3
35	Post Bases, Square-Type, for 12 & 16 mm diameter posts	5
36	Vertical Translation Stage, travel 10 mm, platform size 65 x 65 mm or equivalent	1
37	Metric Socket Cap Screws, M6, length 16 mm (25 nos.)	2
38	Metric Socket Cap Screws, M6, length 20 mm (25 nos.)	2
39	Metric Socket Cap Screws, M6, length 25 mm (25 nos.)	1
40	Metric Socket Cap Screws, M4, length 12 mm (25 nos.)	1
41	Metric Socket Cap Screws, M4, length 16 mm (25 nos.)	1

42	Nylon tipped set-screws, M6, length 12 mm (25 nos.)	1
43	Nylon tipped set-screws, M6, length 14 mm (25 nos.)	1
44	Nylon tipped set-screws, M6, length 18 mm (25 nos.)	1
45	Nylon tipped set-screws, M6, length 22 mm (25 nos.)	1
46	Nylon tipped set-screws, M4, length 8 mm (25 nos.)	1
47	Nylon tipped set-screws, M4, length 12 mm (25 nos.)	1
48	Nylon tipped set-screws, M4, length 14 mm (25 nos.)	1
49	Nylon tipped set-screws, M4, length 18 mm (25 nos.)	1
50	All in One Screw kit: Details list of items below:- M6, M4 and M3 SHC screws, each of sets of Length of 6, 10, 12, 16, 20, 25 mm (min. 25 no. in each set). M6, M4 and M3 Set screws, each of sets of Length of 6, 10, 12, 16, 20, 25 mm (min. 25 no. in each set). M6 Nut (min. 25 Nos.), M6 Washer (min. 25 Nos.), M4 Nut (min. 25 Nos.), M4 Washer (min. 25 Nos.), M3 Nut (min. 25 Nos.), M3 Washer (min. 25 Nos.), Allen Key Set(s)	1

- N.B – 1. Mention the details of make and model no. of individual component which is applicable.**
- 2. Mention the serial no of the items above the envelope.**

**FORMAT OF COMPLIANCE STATEMENT**

<b>Para of Tender Enquiry Specification</b>	<b>Specification of Equipment Offered</b>	<b>Compliance to Tender specification whether yes or no (if yes indicate the page no and Put a Flag also highlight the matching specification)</b>	<b>In case of noncompliance deviation from Tender specification to be indicated in unambiguous term.</b>
<b>01</b>	<b>02</b>	<b>03</b>	<b>04</b>

\* The compliance certificate along with the page no indication (i.e. required spec and availability of the page in the entire tender documents by flagging or giving page no) must be submitted with the bid for evaluation. Firm not submitting the model/spec and their details availability in the bid documents by flagging/page no may not be considered for evaluation.

**NOTE: The bid documents are not transferable and the firm's seal and signature of the authorized official must appear on all papers and envelopes submitted.**

**INSTRUCTION TO BIDDERS:**

**Two/Double Bids:-**

- 01.** In case of two-bid system, tenders will have to be submitted in TWO PARTS i.e. (a) Technical Bid and (b) Price Bid, in two separate properly sealed covers indicating the type of Bid; and both these covers will have to be again put in to a single sealed cover. Also the address of the firm submitting the tender and the officer, to whom the tender is addressed, must appear distinctly on both the inner sealed covers, indicating also TECHNICAL BID / PRICE BID as may be applicable.
  
- 02. In the part relating to Technical Bid, the OEM/Vendor must provide the followings:-**
  - (a) Details of the technical features of the offered Equipment vis-à-vis specification as per Annexure – I;
  - (b) Standard Technical literature on each of the items offered; the article on offer should conform to standard quality, specification and test of manufacturer;
  - (c) Dealership certificate on the offered products from OEM in case of dealer/s;
  - (d) List of reputed organizations/Institutions, where similar orders have been executed (copies of the purchase/work order will have to be enclosed). The bidders / OEM should attach a self declaration stating that he is not banned / debarred from working with any Central Government / PSU / State Govt of India / Any other Govt. Agencies or any Institute of National / International importance.
  - (e) Up-to-date Sales Tax clearance certificate (*for vendors outside the State of Bihar*)/GST registration certificate indicating also the TIN number (*for vendors from within the State of Bihar*) of the FIRM will have to accompany the tender to be submitted;
  - (f) Copy of PAN must be submitted of FIRM / Bidder along with the Technical Bid;
  - (g) **Banker's details** of tendering FIRM / Bidder should be clearly mentioned;
  - (h) Details of nature and maximum period of **Warranty** offered by the OEM/Bidder;
  
- 03. In the part relating to Price Bid, the OEM/Vendor must provide the following:-**
  - (a) Quantity, basic price (against item-wise details of specifications of each of the offered items);
  - (b) Prices of each of the optional accessories, as required by specifications and may be relevant for offered Equipment, will have to be specifically stated in the quotation;
  - (c) Central / Sales Tax/ GST (as percentage of basic price + packing & forwarding charges if any)
  - (d) Installation & commissioning charge (including Service Tax), to be shown item-wise extra, if any.
  - (e) Freight & insurance charge, if any.

**Terms & Conditions:-**

01. **Rates:** Rates quoted should be on F.O.R., NIT Patna, on Door Delivery basis mentioning all taxes/break-up separately.
02. **Validity:** Quoted rates must valid for 180 days.
03. **Warranty/Guarantee:** The material must be quoted with a minimum comprehensive Warranty / Guarantee period of 12 months after the date of delivery and acceptance at final destination. After sales service and contact details of resource person for this should be mentioned.
04. **Delivery:** Unless otherwise stated delivery of goods at NIT Patna, will have to be maximum within 30 days from the date of receipt of the Purchase Order. All aspects of safe delivery shall be the exclusive responsibility of the OEM / Bidder.
05. **Printed conditions of supply of the firm, if any, will not be binding on us.**
06. **Late and delayed Tenders:** Late and delayed tender will not be considered. In case any unscheduled holiday occurs on prescribed closing/opening date the next working day shall be the prescribed date of closing/opening.
07. **Ground for Rejection of Tender:** The tenders are liable to be rejected if the fore going conditions are not complied with. The tender should be complete in all respects and duly signed wherever required. Incomplete and unsigned offer will not be accepted.
08. **Payment Terms:-** 100% payment against proforma invoice will be released after receiving of stores in good order and condition and successful installation and commissioning duly certified by the concern authority.
09. **TDS** as applicable will be deducted from bill.
10. **Entry Tax:** Entry tax, if applicable will be borne by us as applicable on FOR NITP value. The vendor may arrange Road Permit on their own and get it reimbursed from the Institute on production of valid document. Road permit once issued will not change / altered in any circumstances. If any alteration is required due to fault from vendor/OEM side the same will be debited to supplier's A/c
11. **Liquidated Damage:** If a firm accepts an order and fails to execute the order in full as per the terms and conditions stipulated therein, it will be open to this institute to recover liquidated damages from the firm at the rate of 1% per week of the order value subject to a maximum of 10% of the order value. It will also be open to this institute alternatively, to arrange procurement of the required stores from any other source at the risk and expense of the firm, which accepted the order but failed to execute the order according to stipulated agreed upon.
12. **Termination for default:** Default is said to have occurred:-



(a) If the supplier fails to deliver any or all of the services within the time period(s) specified in the purchase order or any extension thereof granted by NIT Patna.  
(b) If the supplier fails to perform any other obligation(s) under the contract  
(c) If the vendor, in either of the above circumstances, does not take remedial steps within a period of 30 days after receipt of the default notice from NIT Patna (or takes longer period in spite of what NIT Patna may authorize in writing), NIT Patna may terminate the contract / purchase order in completely or in part. In addition to above, NIT Patna may at its discretion also take the following actions: NIT Patna may procure, upon such terms and in such manner, as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier shall be liable to compensate NIT Patna for any extra expenditure involved towards goods and services to complete the scope of.

13. **Applicable Law:**

(a) The contract shall be governed by the laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/processing.

(b) All disputes are subject to exclusive jurisdiction of Competent Court and Forum in Patna, India only.

(c) Any dispute arising out of this purchase shall be referred to the Registrar NIT Patna, and if either of the parties hereto is dissatisfied with the decision, the dispute shall be referred to the decision of an Arbitrator, who should be acceptable to both the parties, to be appointed by the Director of the Institute. The decision of such Arbitrator shall be final and binding on both the parties.

14. The acceptance of the quotation will rest solely with the Registrar, NIT Patna, who in the interest of the Institute is not bound to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all the quotations received without assigning any reasons.

15. **Important:-** The Director may accept or reject any or all the bids in part or in full without assigning any reason and doesn't bind himself to accept the lower bid. The institute at its discretion may change the quantity / upgrade the criteria / drop any item or thereof at any time before placing the Purchase Order.

Registrar

**TENDER FORMAT FOR PRICE BID**

Tender No: NITP/19-20/11 dated 12/10/2019

SI No.	Description of Item & Model	Quantity	Unit Price	GST	Total Price

Delivery Mode: F.O.R. Patna.

Total bid price should be inclusive of Sales Tax, F.O.R. NIT Patna for the above quoted items is ₹ .....

Delivery Period:

Packaging &amp; Freight etc. :

Validity Date: Minimum 180 days from the date of opening of tender.

Any other terms and conditions.

Place:

Date:

Signature:\_\_\_\_\_

Name:\_\_\_\_\_

Business Address:\_\_\_\_\_

Email\_\_\_\_\_

Contact No:\_\_\_\_\_

Affix Rubber Stamp

**For Any Enquiry****Please Contact:**

The Registrar

NIT Patna

Email: registrar@nitp.ac.in