

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
SPACE APPLICATIONS CENTRE (SAC)
AHMEDABAD**

**Tender for Superluminescent Diode, Band Pass Filter, ND Filter and
Accessories**

Bids to be submitted online

Tender No.: SAC/BPUR/SA202600080401 dated 27-04-2026

A. Tender Details

Tender No : **SAC/BPUR/SA202600080401**

Tender Date : **27-04-2026**

Tender Classification: **GOODS**

Purchase Entity : **BPUR**

Centre : **SPACE APPLICATIONS CENTRE (SAC)**

Superluminescent Diode, Band Pass Filter, ND Filter and Accessories

1.Type of Tender - Single Part

2.LAST MINUTE CLARIFICATION ON TENDERS OR ANY REQUEST FOR BID DUE DATE EXTENSION WILL NOT BE ENTERTAINED.

3.In case a bidder is an MSME, registered under NSIC and would like to avail exemptions, offer should be accompanied with necessary registration certificate with declaration to consider their offer. Quotation received without such declaration and valid registration certificate will not be considered for exemptions under the Public Procurement Policy.

4.Please read the Terms and Conditions of the Tender carefully. Offers made by agents while quoting on behalf of their principals shall attach valid authorization certificate from their Principal/OEM along with the bid.

A.1 Tender Schedule

Bid Submission Start Date : **27-04-2026 17:15**

Bid Clarification Due Date : **07-05-2026 16:00**

Bid Submission Due Date : **26-05-2026 14:00**

Bid Opening Date : **26-05-2026 14:30**

B. Tender Attachments

NA

C. Bid Templates

C.1 Technical Bid - Superluminescent Diode, Band Pass Filter, ND Filter and Accessories

1. LED, LCD, Photodiode, LASER Diode etc...

Item specifications for LED, LCD, Photodiode, LASER Diode etc...

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Type	5.5 mW SLD, CWL = 770 nm, 18 nm 3 dB BW, Butterfly Pkg., SM Fiber, FC/APC	Yes / No / Explain		
2	Operating Current	≤ 200mA	Yes / No / Explain		
3	Centre Wavelength	770±10nm	Yes / No / Explain		
4	Optical 3dB Bandwidth	≥ 15nm	Yes / No / Explain		
5	ASE Power Output from Fiber Pigtail	≥ 4.5 mW	Yes / No / Explain		
6	RMS Gain Ripple	≤ 0.3dB	Yes / No / Explain		
7	Fiber Type	780HP	Yes / No / Explain		
8	Pigtailed Fiber Length	≥ 1.5m	Yes / No / Explain		
9	Connector	FC/APC, 2.0 Narrow Key	Yes / No / Explain		

2. Glass Band Pass Filter

Item specifications for Glass Band Pass Filter

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Filter Type	Hard Coated Band Pass Filter	Yes / No / Explain		
2	Substrate	UV Fused Silica	Yes / No / Explain		
3	Physical Aperture	25 ± 1 mm	Yes / No / Explain		
4	Clear Aperture	21.1 ± 0.5 mm	Yes / No / Explain		
5	Center Wavelength	780 ± 1 nm	Yes / No / Explain		
6	Bandwidth (FWHM)	3 ± 1nm	Yes / No / Explain		
7	Transmission @ 780nm	> 90%	Yes / No / Explain		
8	Optical Density in Blocking Range	> OD 5	Yes / No / Explain		
9	Transmitted Wavefront Error	≤ 158.2 nm	Yes / No / Explain		
10	Mounted Thickness	3.5 ± 0.2 mm	Yes / No / Explain		
11	Surface Quality	60/40	Yes / No / Explain		
12	Housing	Mounted in Black Anodized Aluminum Ring	Yes / No / Explain		
13	Edge Marking	Engraved arrow shall point in the direction of light transmission	Yes / No / Explain		

3. IR detector card

Item specifications for IR detector card

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Type	NIR Detector Card: 700nm-1400nm	Yes / No / Explain		
2	Absorption Wavelength Range (Stimulus)	≥ (700nm-1400nm)	Yes / No / Explain		
3	Absorption Wavelength Range (Charging)	≤ (440nm-560nm)	Yes / No / Explain		

4	Emission Wavelength Range	≤ (550nm-700nm)	Yes / No / Explain		
5	Active Region Dimension	≥ (50mm x 30mm)	Yes / No / Explain		
6	Overall Dimension	≥ (50mm x 85mm)	Yes / No / Explain		
7	Number of Engraved Reticles	≥ 2	Yes / No / Explain		

4. Absorptive Neutral Density Filter

Item specifications for Absorptive Neutral Density Filter

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Type	Mounted Continuously Variable ND Filter, Ø50 mm, OD: 0.04 - 4.0, ARC: 650 - 1050 nm	Yes / No / Explain		
2	Optical Density Range	≥ (0.04 to 4)	Yes / No / Explain		
3	Substrate	UV Fused Silica	Yes / No / Explain		
4	Filter Thickness	≤ 2 mm	Yes / No / Explain		
5	Surface Flatness	≤ 632.8nm	Yes / No / Explain		
6	Scratch/Dig	60/40	Yes / No / Explain		
7	AR Coating (650-1050nm)	≤ 0.5%	Yes / No / Explain		
8	Filter Outer Diameter	50±1 mm	Yes / No / Explain		
9	Filter Inner Diameter	7.5±1 mm	Yes / No / Explain		
10	Clear Aperture of Mounted Filter Inner Diameter	9.5±1 mm	Yes / No / Explain		
11	Clear Aperture of Mounted Filter Outer Diameter	47±1 mm	Yes / No / Explain		
12	Housing Diameter	≤65mm	Yes / No / Explain		

13	Housing Thickness	≤5mm	Yes / No / Explain		
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5. Set Screw

Item specifications for Set Screw

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Type	M4 x 0.7 Stainless Steel Setscrew, 12 mm Long, 50 Pack	Yes / No / Explain		
2	Setscrew Type	Cup Point	Yes / No / Explain		
3	Length	12mm ±0.5mm	Yes / No / Explain		
4	Thread	M4	Yes / No / Explain		
5	Hex	2mm	Yes / No / Explain		
6	Material	Stainless Steel	Yes / No / Explain		
7	Quantity	50 in One Pack	Yes / No / Explain		

6. Set Screw M6

Item specifications for Set Screw M6

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Type	M6 x 1.0 Stainless Steel Setscrew, 16 mm Long, 25 Pack	Yes / No / Explain		
2	Setscrew Type	Cup Point	Yes / No / Explain		
3	Length	16mm ±0.5mm	Yes / No / Explain		
4	Thread Size	M6	Yes / No / Explain		
5	Hex	3mm	Yes / No / Explain		
6	Material	Stainless Steel	Yes / No / Explain		

7	Quantity	25	Yes / No / Explain		
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7. Tweezer

Item specifications for Tweezer

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Type	Vacuum Pick-Up Tool (Vacuum Tweezers), Set of 10 Interchangeable Tips	Yes / No / Explain		
2	Tweezer Type	Self-Contained Vacuum Tweezer for Gently Lifting and Holding Optics	Yes / No / Explain		
3	Number of Interchangeable Tips at 45° size varying between $\Phi 1/8$ " to $\Phi 1/2$ "	≥ 5	Yes / No / Explain		
4	Number of Straight Interchangeable Tips size varying between $\Phi 1/8$ " to $\Phi 1/2$ "	≥ 5	Yes / No / Explain		
5	ESD Safe	Yes	Yes / No / Explain		
6	Suction Cup Material of the Tip	Nitrile	Yes / No / Explain		

8. scratch and dig measurement system

Item specifications for scratch and dig measurement system

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Type	Scratch-Dig Paddle	Yes / No / Explain		
2	Material	Acrylic Molded	Yes / No / Explain		
3	Standard	MIL-PRF-13830B	Yes / No / Explain		
4	Required Dig Numbers	5,10,20,40,50, 70 and 100	Yes / No / Explain		

5	Required Scratch Numbers	10,20,40,60,80,120 and 160	Yes / No / Explain		
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Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	OEM Authorization	In case of authorized dealer or agent, authorization certificate from original equipment manufacturer (OEM) is to be mandatorily provided along with proposal. Offer will not be considered without OEM authorization letter.	Yes / No / Explain		
2	Warranty	1-year standard warranty from the Delivery date	Yes / No / Explain		
3	Delivery Period	Within 16 Weeks from PO placement	Yes / No / Explain		

Supporting Documents required from Vendor

1. Data Sheets

2. List of Deliverables along with Part Number & Quantity

3. OEM Authorization Certificate

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Evaluation of bids shall be carried out on an overall L1 basis. The bidder quoting the lowest total cost for all items shall be declared L1.	Yes / No / Explain	
2	Vendors shall bid for all items covered under the tender. Submission of bids for partial items will not be accepted.	Yes / No / Explain	
3	Compliance statement and offered specs. shall be referenced to the data sheet.	Yes / No / Explain	
4	The supplier should clearly mention the compliance/non-compliance for each specification. In case of non-compliance to any, it should be explained clearly. Alternative, if any, shall be proposed and explained.	Yes / No / Explain	
5	Taxes and Other costs: The item tendered falls under the category of scientific and technical instruments, apparatus, equipment, accessories, parts, components, spares, tools, mock ups and modules, raw material and consumables required for launch vehicle and satellites and the applicable rate of GST shall be 5% in terms of the Notifications mentioned hereunder. For intra-state transactions: The applicable rate of CGST shall be 2.5% in terms of notification no. 9/2025- Central Tax (Rate) dt. 17/09/2025, schedule-I, S. No. 462, issued by Department of Revenue, Ministry of Finance, Government of India. The applicable rate of SGST shall be 2.5% in terms of notification no. 9/2025- State Tax (Rate) dt. 17/09/2025, schedule-I, S. No. 462, issued by Finance Department, Government of Gujarat. For inter-state transactions: The applicable rate of IGST shall be 5% in terms of notification no. 9/2025-Integrated Tax (Rate) dt. 17/09/2025, schedule-I, S. No. 462, issued by Department of Revenue, Ministry of Finance, Government of India. Indicate the applicable Rate of GST for the quoted item/s	Yes / No / Explain	
6	Delivery Terms:	Yes / No / Explain	

7	Delivery Period: Within 16 Weeks from the date of receipt of Purchase Order.	Yes / No / Explain	
8	Payment Terms: Payment shall be 100 percent payment within 30 days after receipt and acceptance of Stores at SAC, Ahmedabad	Yes / No / Explain	
9	Liquidated Damages: The time and date stipulated in the contract for completion of the work shall be deemed to be the essence of the contract. If the Contractor fails to deliver the Stores within the time specified in the Contract or any extension thereof or if the Contractor fails to maintain the required progress or comply with the relevant provisions of the general conditions of contract or special conditions of contract, if any and clear the site on or before the contract or extended date of completion, the Purchaser shall, without prejudice to any other right or remedy available under the law to Purchaser on account of such breach, recover from the Contractor as Liquidated Damages a sum one-half of one percent [0.5 percent] of the Contract price of the undelivered Stores for each calendar week of delay or part thereof. The total Liquidated Damages shall not exceed Ten percent [10 percent] of the Contract price. In case of delay in delivery of the Stores beyond the delivery date stipulated in the Purchase Order/Contract or any extension thereof, such Stores shall be received without prejudice to the right of the Purchaser to claim Liquidated Damages and without prejudice to the terms and conditions of the Purchase Order/Contract	Yes / No / Explain	
10	Warranty/Guarantee: 1 year standard warranty. Warranty period shall commence from the date of acceptance of the goods by the purchaser. All the replacements during the Warranty period shall be carried out by the successful Tenderer[s] Free of all Cost including To & fro Freight Charges, taxes and duties, if any. Return of replaced parts/equipment shall be the responsibility of the Supplier, at their cost.	Yes / No / Explain	

11	Performance Bank Guarantee: The Contractor shall execute Performance Bank Guarantee for 3 per cent value of the Purchase Order for fulfillment of Warranty obligations. The PBG shall be executed through Insurance Surety Bond/Account Payee Demand Draft/ Fixed Deposit receipts or Bank Guarantee issued by a Nationalized Bank/Schedule Bank approved by RBI. The PBG shall be executed on a Non-Judicial Stamp Paper of Rs. 100/- value. The Performance Bank Guarantee shall be executed as per our specimen and shall be valid for a period of 60 days beyond the date of completion of all the terms and conditions of the P.O./expiry date of warranty period. The Performance Bank Guarantee shall be executed before claiming payment. The PBG will not carry any interest and shall be returned after completion of all the Contractual obligations.	Yes / No / Explain	
12	Submit Land Border Sharing Declaration regarding restriction of procurement from countries sharing land border with India. The certificate shall be on letter head duly signed by the authorized signatory	Yes / No / Explain	
13	Email ID & contact details of Authorized Contact Person (In case of any query).	Yes / No / Explain	
14	For any query regarding this tender, Vendor may contact: Purchase & Stores Officer, Phone No: 079 2691 3058/57/53, E-mail: psob@sac.isro.gov.in. Kindly quote tender enquiry number while communicating.	-	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	LED, LCD, Photodiode, LASER Diode etc...	1.00 Nos.		-		
2	Glass Band Pass Filter	1.00 Nos.		-		
3	IR detector card	2.00 Nos.		-		

4	Absorptive Neutral Density Filter	1.00 Nos.		-		
5	Set Screw	1.00 Pkt		-		
6	Set Screw M6	2.00 Pkt		-		
7	Tweezer	2.00 Nos.		-		
8	scratch and dig measurement system	1.00 Nos.		-		