

LIMITED TENDER

Tender Ref. No.
SMR/CE3/VIZ/CN032/2020-21

Date
09-02-2020

Tender Due Date
24-02-2020

Sub: Hard Coated OD 4.0 10nm Bandpass Filter and Si photodiode for visible to infrared photometry -Reg.

The Programme director, SAMEER – Centre for Electromagnetic Environmental Effects (CE3) invites sealed tender for “Hard Coated OD 4.0 10nm Bandpass Filter” as per the details given below:

PARTA: Narrow Band Pass Optical Filters:

Sr.No	Component	Quantity
1.	CWL 400nm Bandpass filter	3
2.	CWL 500nm Bandpass Filter	1
3.	CWL 880nm Bandpass Filter	1
4.	CWL 675nm Bandpass Filter	1
5.	CWL 1020nm Bandpass Filter	1

PART B: Photodiodes:

Sr.No	Component	Quantity
1.	Si PhotoDiode	10

Technical Specifications are attached with Annexure – 1

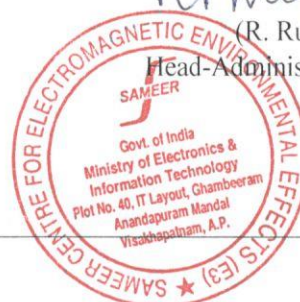
Terms and Conditions:

1. Terms of Payment: 100% against of delivery and Acceptance.
2. Vendors supplying individual items (PART A or PART B) can also submit their quotes
3. Price quoted should be on the basis of destination delivery at SAMEER-CE3, Gambheeram, Anandapuram, Visakhapatnam -531163.
4. Taxes: GST chargeable @ 5% as per Government Notification No. 47/2017-Integrated Tax (Rate) dated 14 November 2017.
5. Delivery period should be within 3 months from the date of Purchase Order.
6. Quotation should be valid for at least 60 days from the date of opening of the tender.
7. Quotation should be sent in sealed envelope super scribing the tender reference number and tender due date. YOUR OFFER WILL NOT BE CONSIDERED IF OUR TENDER REFERENCE NO. & TENDER DUE DATE IS NOT MENTIONED ON COVER.
8. Late tenders will not be accepted under any circumstances.
9. SAMEER reserves the right to accept or reject any quotations fully or partly without assigning any reasons.
10. Unsolicited bids shall not be considered.
11. For further clarification please contact 0891-2867612/616
Email: purchasevizag.sameer@nic.in

Yours faithfully


(R. Rukmani)

Head-Administration



Technical Specifications (Band Pass optical Filter):

Diameter (mm)	125+ 0.0/-0.1
Center Wavelength CWL (nm)	400.00±2.0, 500.00±2.0, 675.00±2.0, 880.00±2.0,
Full Width-Half Max FWHM (nm)	10.00 ±2.0
Minimum Transmission (%)	≥85
Optical Density OD (average)	≥4.0
Coating	Hard Coated
Typical Applications	7-Dimethylamino-4-Methylcoumarin-3- Isothiocyanate, CellTrace calcein violet, Pacific Blue, Pacific Orange
Blocking Wavelength Range (nm)	200-1200
Clear aperture (mm)	8.8
Surface Quality	80-50
Angle of Incidence (°)	0
Construction	Mounted in Black Anodized Ring
Environmental Durability	MIL-STD-810F, Section 507.4
Mount Thickness (mm)	5.0±0.1
Physical Durability	MIL-C-48497A, Section 3.4.1
Substrate	Optical Glass
Substrate Thickness (mm)	3.5±5.0(typical)
Type	Band Pass Filter

Technical Specifications (Si Photodiodes):

Photosensitive Area	Minimum ϕ 5.0 mm
Number of Elements	01
Package	Metal
Package category	TO-5
Cooling	Non-Cooled
Reverse Voltage (max.)	150V
Spectral Response Range	360 to 1120 nm
Peak Sensitivity	1000nm
Photosensitivity	0.52 A/W
Dark Current (max.)	10000 pA
Rise time (typ.)	0.0125 μ s
Terminal Capacitance (typ.)	10pF
Measurement Condition	Ta=25 °C, Typ., Photosensitivity: $\lambda=1060$ nm, Dark current: $V_R=100$ V, Rise time: $V_R=100$ V, $R_L=50 \Omega$, $\lambda=1060$ nm, 10 ~ 90%, Terminal capacitance: $V_R=100$ V, f=10 kHz

M. Suresh Kumar