

Tender Notification for the procurement of "*Quadrant Photodiode with controller*"

(Last Date for submission of tenders: 2 January, 2016)

Ref: PH/PRSH/455/2016-17

26 December, 2016

Dear Sir/Madam,

Kindly send your best quotation for the following item with various accessories on C.I.P. Bangalore basis to the undersigned. Your quotation should clearly indicate the terms of delivery, delivery schedule, entry tax payment terms etc. The tender should be submitted in one sealed envelope- containing the technical specifications and the prices, which should reach the undersigned, duly signed on or before 17:00 Hrs, 2 January, 2016. Please use the enquiry number PH/PRSH/455/2016-17 in your quotation.

Please enclose a compliance certificate along with the technical bid.

Specifications of the Quadrant Photodiode with controller are as follows:

1. Photodiode Substrate: Silicon
2. Wavelength Range: 400-1050 nm
3. Diameter: 7.8mm or larger
4. Gap Size: 42 μm or lower
5. Detector Bandwidth: 150kHz or higher
6. Responsivity: 0.45 A/W @633nm or better
7. Transimpedance Gain: 10kV/A or better
8. Dark Current: 5nA or lower
9. Typical rise time: 40ns@10V or lower
10. Breakdown Voltage: 15V
11. Damage Threshold: 100mW/cm² or higher
12. Housing Dimensions: 50.8 mm x 30.5 mm x 16.5 mm or lower
13. Mounting Thread: M4
14. X & Y Difference Outputs from the controller:-10 to 10 V, SMA Connectors
15. Sum Output from the controller: 0 to 10 V, SMA Connector
16. Quadrant Detector Input on the controller: 6-Pin Hirose Connector
17. Bandwidth of the controller: 100 kHz or higher
18. Computer interface option for the controller: Labview or Open Source software

Terms and conditions:

1. The above mentioned technical specifications are highly desired. However, lower technical specifications may be considered if the above mentioned specifications are found to be unsuitable in financial terms. The Institute reserves the right to go for lower specifications taking into consideration its financial constraints and technical preferences.

2. The vendor should have a good track record of having previously supplied similar equipment in India (please furnish the details).
3. The vendor should have qualified technical service personnel for the equipment based in India (preferably in Bangalore).
4. The payment will be through wire transfer.
5. The lead time for the delivery of the equipment should not be more than 3 months from the date of receipt of purchase order.
6. The validity period of the quotation should be 90 days.

Yours Sincerely,

Dr. Perna Sharma, Dept. of Physics, IISc.