

Enquiry for Portable Spectrometer with Accessories

Enquiry No.: IITK/EE/SG/2018-19/02

Enquiry Date: 13/06/2018

Closing Date: ~~04/07/2018 at 5 pm~~ **Extended to 11/07/2018 at 5pm**

Sealed quotes (technical bid and financial bid separately sealed) are invited as per the specifications and terms and conditions listed below. All parts corresponding to the quotations should be from a single manufacturer for compatibility and maintenance. Any compliance claimed should be supported with necessary data sheet.

Item and Specification
<p>Portable spectrometer with accessories Following are <u>must-have</u> features:</p> <ol style="list-style-type: none">1. Design: Czerny-Turner2. Spectroscopic wavelength range: 400 – 900 nm3. Optical resolution: < 1 nm in the above wavelength range4. Grating: 600 lines/mm, blazed at 500 nm, >30% efficiency for 350-850 nm5. Entrance slit: 50 μm6. Linear CCD array detector: Number of pixels: > 3500, Pixel size: < 9 μm×200 μm, with filter for higher orders7. Integration time: 10 μsec – 20 sec8. Input fiber connector: SMA 9059. Interface: USB10. Triggering: 2 programmable strobe signals for triggering other devices11. Accessories:<ol style="list-style-type: none">(i) 200 μm fiber patch cord for VIS/NIR, length 2 m, SMA connector (Qty 1)(ii) UV/VIS collimating lens compatible with SMA fiber end (Qty 2)(iii) Calibration laser – 532 nm (Qty 1)(iv) Direct attach collimating lens for the above spectrometer (Qty 1)(v) Software with graphical user interface (Qty 1)(vi) High power (20 W) Tungsten Halogen Lamp with filter holder, shutter, attenuator, and power supply(vii) 1000 μm fiber patch cord for VIS/NIR, length 2m, SMA connector (Qty 1)(viii) Replacement bulb for high power Tungsten Halogen Lamp (Qty 5)

Terms and conditions:

1. All items **must be** supplied by one manufacturer for compatibility during assembly of the experiment.
2. All the items **must be** compatible with 220V/50Hz supply.
3. The spectrometer and the light-source **should be** covered under a warranty of atleast 3 years and rest of the components for atleast 1 year from the date of installation, without additional charge.
4. No separate installation charges will be admissible. All required accessories must be included in the quote.
5. Include authorization certificate from the principal if you are a local agent.
6. If import is required, quoted price should be CIP New Delhi.
7. The manufacturer's specification sheets for the products **must be** enclosed.
8. Attach compliance sheet and complete details of the products.
9. Quotations should have a minimum validity of 90 days.
10. The goods should be delivered no later than 60 days from the day of the placement of the order from, IIT-K. Particular importance will be given for prompt delivery of the goods. The delivery period should be specifically stated.
11. Maximum educational discount should be applied – these products will be used for research as well as to teach and train students.
12. The institute reserves the right of accepting and rejecting any quotation without assigning any reason.
13. The indenter reserves the right to cancel the tender without being answerable.
14. Quote should be made in two parts: Technical bid and financial bid separately in sealed envelopes. The sealed envelopes with the quote should be superscribed with the inquiry number and whether they contain technical or financial bid.

Address quotations to

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