

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119

No. Phy/NITK/2019/148/2785

Dated: 30/04/19

M/s Institute Website

Sub: INVITATION OF QUOTATIONS FOR SPECTROMETRY-SPECTROPHOTOMETRY EXPERIMENTAL KIT.

1. You are invited to submit your most competitive quotation for the following goods:

Sr. No.	Brief Description & Specifications of Goods	Quantity
1.	Spectrometry-Spectrophotometry (Detailed Specifications are attached)	01 No.

- Necessary literature of the goods may please be sent to facilitate to take decision.
- Payment will be made Online through RTGS/NEFT within 30 days after receipt of material in good condition and according to specifications and installation of the same. The Bank detail for making online payment may be indicated in the quotation.
- The supplier shall deposit Earnest Money along with the Quotation amounting to Rs. 14000 /- in shape of Accounts Payee Demand Draft/Fixed Deposit Receipt/Bankers Cheque or Bank Guarantee from any scheduled commercial Bank in favour of the Director, National Institute of Technology, Kurukshetra. The Quotations without Earnest Money shall be rejected, the EMD will remain valid for a period of 45 days beyond the final validity period of quotation.
- Performance Security @ 5% of the total value of the equipment must be furnished in shape of Demand Draft/Fixed Deposit Receipt or Bank Guarantee from any scheduled Commercial Bank in favour of the Director, NIT Kurukshetra valid up to 60 days after the date of completion of warranty by the successful bidder.
- The items must be supplied within delivery period or delivery period extended by the Institute on the request of the supplier on genuine grounds otherwise the penalty for delayed period @ 0.5% of the amount shall be charged for every week or part thereof and the maximum 10%. The request for extension of delivery period (if any) must be made before the last date of supply as per P.O.
- The quotation should remain valid for a period not less than 90 days from the date of submission.
- The firm must have got GST No. printed on their quotation.
- The right of accepting or rejecting any quotation and to cancel the bidding process and reject all quotations without assigning any reason is reserved with the Institute.
- The due date for receipt of quotation is 20.05.2019 and will be opened on next working day at 10:00 AM. Please quote on the top of the envelope our Ref. No. and due date of opening.


30.04.19
Prof-Incharge (Stores)

Specification for Spectrometry and Spectrophotometry to study the solar spectrum and devices.

Spectrophotometer:

Spectral range : 350 - 900 nm.

Transmission : from 0 to 100 %.

Resolution < 1,5 nm. ; Précision : 1 nm or better

Absorption 0-2.5 Å

Constitution:

- Spectrometer with optical fiber
- 2-m optical fiber, 50 µm
- Absorption module with its power supply
- Set of 100 tanks
- USB cable
- Software operating with Windows, in English'
- 1 Fiber connector holder, Ø40 mm
- Colorimetry + Linear sensitivity functions

Accessories:

Low pressure mercury lamp

Low Pressure Sodium Lamp

Adapted ventilation

- 2P+E power outlet with fuse
- No risk of burning
- Economical
- Usable on the lamp base or on optical bench

Lantern with dimmer

- Halogen lamp with built-in fan, with the light intensity variation
- Aspheric lens
- Filament can be vertically or horizontally oriented
- Thread ring at the front for objects or filters
- diam 10-mm rod
- Power : 100 W

Half moon stand

Green interference filter - 546 nm

Red filter (plastic slide)

Blue filter (plastic slide)

Yellow filter (plastic slide)

Green filter (plastic slide)

Interference filters are made of thin layer deposit.

Extremely selective filters around an accurate wavelength.

Supplied with component-holder and individual calibration.

Allowance : ± 2 nm ; width 10 nm – min 35 %

Single component holder

Easy and quick fixing system with three nylon screws.

Allows the attachment of all components of Ø 40 mm.

Mounted on Ø10-mm rod.

Handwritten signatures and scribbles at the bottom of the page.