



PANJAB UNIVERSITY

DEPARTMENT OF BOTANY

CHANDIGARH - 160 014

(Estd. Under the Panjab University Act VIII of 1947 – enacted by the Govt. of India)

Prof. Harsh Nayyar
Chairperson

(91) (0172) 2779510, 4001, 4017 (Off.)
E-Mail: chairman.botany@pu.ac.in.

N.I.Q.
UNDER REGISTERED POST Ref. 2828-2834/Bot
Date: 16.09.2016

Dear Sir,

Please quote your lowest rates in DUPLICATE, for the item (s) given below as per the specifications. Your quotation should reach the undersigned on or before **26.09.2016**.

Specifications for Atomic Absorption Spectrophotometer: (Fully Automatic Double Beam)

Wavelength Range	190/180nm-900nm
Monochromator	Eschelle type/ Czerny-Turner Configuration/ mounted littrow type
Spectral Bandwidth	0.1nm, 0.2nm, 0.4nm, 1.0nm, 2.0nm, (Software selectable).
Wavelength Accuracy	+ 0.15nm
Wavelength Reproducibility	<0.05nm
Resolution 0.2nm	+ 0.02nm
Baseline stability	0.005A/30min
Sensitivity (Cu)	2 µg/ml Absorption > 0.28A (flame)
Detection limit	Cu < 0.004 µg/ml (flame) Cd < 0.4 x 10-12g (graphite furnace)
Repeatability	Cu < 0.7% (Air Acetylene flame)
Background correction	Deuterium Arc
Burner heads	Titanium Alloy or Better
Nebuliser	High-efficiency glass, Acid proof available as an option/ Platinum/ Iridium
Atomization chamber	Corrosion-resistant material and Gas Management (Automatic binary control)
Position Adjustment	Automatic changeover, Automatic Manual Setting of optimum Height for flame burner
Safety Function	Burner identification, Flame sensor, Gas leak Sensor, Low Gas Pressure Sensor, Drain Trap Sensor, Power Loss protection
Lamp Carousel	6/8 Lamp-Coded, Auto-aligning.
Acetylene Regulator	01
Nitrous Oxide Burner Head	01
Nitrous Oxide Regulator (Heated)	01
Air Compressor	01
Vent and Hood Assembly (SS with 10-12 ft Ducting)	01
Acetylene Gas with cylinder	01
PC and software (instrument controlled via built in PC)	01 (Software included in AAS)
Printer	01

The rates quoted should be **FOR Botany Department**, P. U., Chandigarh. **SPECIAL DISCOUNT** for educational institutions/University teaching department may be mentioned. **The technical and financial bids should be sealed in separate covers duly superscribed and both these sealed covers are to be put in a bigger cover which should also be sealed and duly superscribed and also giving our reference and due date of quotation/bid.** It should reach **The Chairperson, Department of Botany, Panjab University, Chandigarh-160 014 by due date.** Warranty both parts and labour should be minimum of two years. As per Panjab University rules **EMD is Mandatory** for all those who will submit their bids/ quotations.

Thanking you,

Yours sincerely,

(Harsh Nayyar)
Prof. & Chairperson