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Quotation Notice

OPTO/P-09/2022-23

Quotations are invited for the purchase of the following item in the Department

Item: CCD Based Constant Deviation Spectrometer (For Arc emission and Absorption Measurements) - 1No.

1. Constant Deviation Spectrometer

Prism type: Pellin Broca prism

Design: constant deviation 120F

Spectrometer Input: Micrometer controlled slit(1Rev : 0.25mm ,1Div : 0.005 mm)

Spectrometer output: CCD electronic output through USB connected to a PC

Wavelength Range: 400 - 800 nm

Wavelength Accuracy: + / - 2 nm

Abs/Emission accuracy: + / - 2 nm

Camera Specifications :

CCD detector: Sensitive linear array 0-3647 pixels

Pixel size: 800 x 200 micron

A/D Resolution: 16 Bits

Exposure Time: 0.1 - 6500 ms

Frame rate: 138 scans / second

Compatibility: Any windows platform OS

Interface: USB 2.0

2. Mercury vapour Lamp

Input: 230 V / 50 Hz

Output: 4KV

3. Halogen Lamp with Power supply

Input: 230V, 50Hz

Output Power: 10W

4. Metal Arc stand

Substance holder type: ceramic

Arc cavity: 25 mm

5. Copper, Iron and Brass rods

Length: 75 mm
Diameter: 8 mm

6. Arc Power Supply

Input: 230V AC / 50 Hz
Output voltage: 0-100 V
Output current: 0-15 A

7. Cuvette

Quantity: 2 no's
1 Pack

8. Potassium Permanganate (KMnO₄) Powder

1 Pack

The price may clearly indicate applicable tax, packing, forwarding and handling charges etc separately. The firms who wish to supply the item are requested to submit the quotation in sealed cover to the undersigned not later than 4:30pm on 25.10.2022. Quotations will be opened at 10:30am on next working day (26.10.2022) in the presence of the suppliers or their authorized agents.

sd/-

06.10.2022

Professor & Head