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कोटेशन माग गरिएको सूचना ।  
(सूचना प्रकाशित मिति: २०८२/१०/२७)

यस प्रतिष्ठानको लागि आवश्यक तपशिल बमोजिमको Hospital Equipment हरू खरिद गर्न लागत अनुमान तयार गर्नुपर्ने भएकोले व्यवसाय (फर्म) दर्ता प्रमाणपत्र, मु.अ.कर दर्ता प्रमाणपत्र, आ.व. २०८१/०८२ को कर चुक्ताको प्रमाणपत्रको प्रतिहरू संलग्न गरी यो सूचना प्रकाशित मितिले ७ (सात) दिन भित्र कोटेशन तथा क्याटलगहरू पेश गर्नुहुन सुचित गरिन्छ । माग गरिएको कोटेशन तथा क्याटलगहरू तोकिएको म्यादभित्र प्रतिष्ठानको दर्ता, चलानी फाँटमा दर्ता गर्नुहुन वा [quotation.procurement@bpkihs.edu](mailto:quotation.procurement@bpkihs.edu) मा email मार्फत पेश गनुपर्नेछ ।

1. UV-Visible Spectrophotometer- 1 no
2. Horizontal Electrophoresis System-1 no

**Specifications are attached below**

## 1. Specification for UV-Visible Spectrophotometer

- Optics should be double beam, Czerny Turner monochromator (Grating should be 1200 lines/mm or better)
- Light source must be Xenon flash lamp (80 Hz) with typical lifetime of 7-10 years
- 2 silicon diode detectors for simultaneous sample beam and reference beam must be present
- The measurable range of wavelength must be at least between 190-1100 nm
- Spectral bandwidth at least up to 2 nm
- Stray Light  $\leq 0.05\%$  Transmittance or better
- The photometric Linear range should be 4 Absorbance
- The wavelength accuracy should be  $\pm 0.5$  nm
- The wavelength reproducibility should be  $\pm 0.1$  nm
- Photometric accuracy should be  $\pm 0.001$  Absorbance
- Baseline Flatness should be  $\pm 0.001$  Absorbance throughout UV-visible range
- Photometric Stability must be at least  $< 0.0004$  Absorbance
- Photometric noise must be at least  $\leq 0.0001$  Absorbance
- Local accessories Branded PC, Display Screen, Printer and UPS with at least 5 sets of quartz cuvettes should be offered
- Separate technical and commercial bids are to be submitted.
- Standard comprehensive warranty and support should be three years.
- Details of Annual Maintenance Contract (AMC) after standard warranty must be submitted.
- Pre-installation requirements should be clearly specified in the quotation.
- Spares and consumables: A list of spares included with the equipment, sufficient number of rapidly wearing and consumable parts are to be included to cover the guarantee period
- Other necessary spares if not mentioned above must be incorporated.
- Installation: the price should be inclusive of full installation on site with full functionality demonstration.
- Maximum education discount, if any, should be offered.
- Should also carry certificates such as agency certificate, proprietary certificate, and patent if any etc.
- Instrument may get preference for room light immunity and scanning speed more than 20000nm/min for kinetics study and full wavelength scan in less than 5 seconds for fast analysis.

## 2. Specification for Horizontal Electrophoresis System

### **1. Electrophoresis Unit: ~~Two~~ One unit**

- Horizontal Electrophoresis Unit having capacity to accommodate the gel of 15x10 cm
- Units with cooling block must be available
- Acrylic frame with non-slip rubber feet
- Safety lid with shrouded connectors must be present
- Gold plated terminals and stainless steel washers should be present
- Buffer circulation port must be present.
- Buffer Volume: 1000 ml

### **2. Power supply: One unit**

- Power supply for electrophoresis: 300 V, 4- 400 mA, 4 outlets
- Platinum electrodes must be present with life-long replicability.

### **3. Gel Caster: One unit**

- Removable UV-transparent gel casting tray to accommodate 15 X 10 cm gel for horizontal electrophoresis
- Combs color coded according to comb thickness should be present and should be compatible with multi-channel pipettes.

### **4. Gel Scoop: One unit**

- UV transparent Acrylic Gel scoop for transfer of gels
- It must transfer the gel of 15 X 10 cm

### **5. Staining box: One unit**

- Polypropylene box for staining, distaining and handling of electrophoresis gels
- It must have capacity to hold the gel of 15x10 cm gel

