

BOSE INSTITUTE
KOLKATA

Tender ID : 2020_BIK_570492_1

Tender No. BI-K/E-TEND/01/2020-21

Tender Title : Procurement of Automated Protein Purification System Analytical cum Semipreparative HPLC with UV Visible Detector Fluorimeter and True Double Beam UV Visible Spectrophotometer

AMENDMENT

| Fluorimeter | |
|---|--|
| Original Specification | Amended Specification |
| <p>Spectrometer <i>Excitation monochromator</i> Czerny-Turner monochromator, focal length 300 mm or better, accuracy ± 0.3 nm or better, software controlled triple grating turret with grating ≥ 1200 lines/mm, around 300 nm blaze for UV-VIS range. Computer controlled continuously adjustable slit from 0 to 15 nm.</p> <p><i>Emission monochromator</i> Czerny-Turner monochromator, focal length 300 mm or better, accuracy ± 0.3 nm or better, software controlled triple grating turret with grating ≥ 1200 lines/mm, around 400 nm blaze for UV-VIS range. Computer controlled continuously adjustable slit from 0 to 15 nm</p> | <p>Spectrometer <i>Excitation monochromator</i> Czerny-Turner monochromator, accuracy ± 0.3 nm or better, grating ≥ 1200 lines/mm, around 300 nm blaze for UV-VIS range. Computer controlled continuously adjustable slit from 0 to 15 nm.</p> <p><i>Emission monochromator</i> Czerny-Turner monochromator, accuracy ± 0.3 nm or better, grating ≥ 1200 lines/mm, around 400 nm blaze for UV-VIS range. Computer controlled continuously adjustable slit from 0 to 15 nm.</p> |
| <p>Cell holder with Peltier thermostat (Temp. range: -20 °C or lower to 105 °C, with temp. ramp of $0.1 \sim 20$ °C/min) with appropriate water circulator.</p> | <p>Cell holder with Peltier thermostat (Temp. range: -10 °C or lower to 105 °C or higher, with temp. ramp of $0.1 \sim 20$ °C/min) with appropriate water circulator.</p> |

| <i>True Double Beam UV-Visible Spectrophotometer</i> | |
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| Original Specification | Amended Specification |
| Spectral Bandwidth: Variable 0.5 or lower to 5 nm higher | Spectral Bandwidth: 1.0 nm or higher |
| Instrument should be supplied with Peltier Controlled Cell Holder, with Peltier having the following specifications: - <ul style="list-style-type: none"> • Temperature Control Range: -5 or lower to 75 degree C or higher. • Temperature Control Precision: 0.1 degree C or better. | Instrument should be supplied with Peltier Controlled Cell Holder, with Peltier having the following specifications: - <ul style="list-style-type: none"> • Temperature Control Range: 0 degree C or lower to 75 degree C or higher. • Temperature Control Precision: 0.1 degree C or better. |
| Quotation for a 50mm Diffuse reflectance sphere with Powder holder compatible with the quoted model. Quotation for a Diffuse reflectance sphere with Powder holder compatible with the quoted model. | Quotation for a diffuse reflectance sphere with Powder holder compatible with the quoted model. Quotation for a Diffuse reflectance sphere with Powder holder compatible with the quoted model. |

| Analytical cum Semipreparative HPLC with UV Visible Detector | |
|--|--|
| Original Specification | Amended Specification |
| Pressure operating range: 5000 Psi or more | Pressure operating range: 6000 psi or more |
| Pump Delay Volume: ≤ 1250 µL | Pump delay volume: 500 uL or less. |
| Light Source : Deuterium Lamp/Xenon Flash Lamp | Light source: Deuterium or Xenon or tungsten |
| Lamp life: at least 2000 hours, may be met with multiple lamps | Lamp life: Min 2000 hours for each lamp |
| Degassing unit for all the channels. | Should have technology or system for inline degassing |
| | Ten (10) or more installation of similar or higher model should be in Eastern India. |
| Should come with 5, 20, 50, and 200 µl sample loops along with 25µl Hamilton Syringe | Should come with 20, 50, and 200 µl sample loops along with 25µl Hamilton Syringe |

Other terms & conditions will remain unaltered.

Registrar (Officiating)