

**The University of Burdwan  
Department of Zoology**

**Ref: Zoo/BU/ 2016/Equip/02**

**Date: 17.03.2017**

Sealed quotations are invited from reputed vendors/suppliers for the supply of **One Imported Double beam UV-Vis Spectrophotometer** for the Department of Zoology. Vendors/suppliers are asked to quote the lowest rate over listed price for the same. VAT and other applicable taxes must be clearly mentioned in the quotation. The quotation should reach to the following address **within 24-03-2017 from** the date of the advertisement. The quotation should follow the specifications as per given in the tender.

**Specifications for Imported Double beam UV-Vis Spectrophotometer**

1. Fully symmetrical double beam optical system. All mirrors coated for long life.
2. Czerny-Turner design monochromator using 1200 L/mm holographic diffraction grating
3. Two silicon diode detectors
4. Dual continuous light source with Deuterium (for UV) and Tungsten (for visible) lamps with auto lamp change over.
5. Stand alone operation with LCD & built in key pad. Additional software for PC/Lap Top via USB PC interface.( PC or Laptop Excluded)
6. Wavelength Range should be 190 - 1100nm
7. Optical Bandwidth should be 1.8nm
8. Stray Light should be Less than 0.01% at 220nm, NaI, and 0.01% at 340nm, NaNO<sub>2</sub>
9. Photometric Range should be -0.3 to 3.0A
10. Photometric Noise should be Less than  $\pm 0.0001A$  at 550nm
11. Baseline Stability should be Better than  $\pm 0.0001A$ /hour
12. Facility of various methods may be stored and retrieved. Each Method should be protected by 4 digit password.
13. Single cell Kinetics software should be included in the system.
14. Facility of future up gradation facility for various assay programme
15. One pair standard quartz cuvette of 10mm path length should be provided.
16. Two years warranty should be provided.

**Sealed quotations must reach to The Head, Department of Zoology, The University of Burdwan, Golapbag, Burdwan-713104, West Bengal, India.**