**Tender for Diode Array UV-VIS Spectrophotometer**

Detector: photodiode array detector and be capable of acquiring a complete spectrum in less than 1 second

Spectral range: 190-1100 nm

Source: Deuterium and Tungsten

Photometric Accuracy: < ± 0.005 A (using NIST 930e)

Photometric Stability: < 0.001 A/h (at 0 A, 340 nm, after 1-hour warm up, measured over 1 hour, every 5 seconds, constant ambient temp)

Shortest Scan time: 0.1 Second (Full range)

Band Width: 1 nm

Sample inervel 1 nm

The system must be capable of collecting data for multiple wavelengths instantaneously.

The system must be designed with an open sampling area allowing samples to be measured, or accessories to be used, without a cover.

The instrument must have a small footprint and be lightweight .

The instrument must have a fixed arrangement of grating and detectors, there should not be any moving part associated.

The instrument must be able to automatically perform pharmacopeia performance tests.

Portability and network capability of the instrument - the spectrophotometer can be operated over a network via LAN, or directly to a PC with USB converter.

Ease of use – simple installation and easy to use software applications for a wide range of users.

Accessories: Quarts cuvette.