

(राष्ट्रीय पशु जैव प्रोद्योगिकी संस्थान)
National Institute of Animal Biotechnology

Corrigendum -- Change of Specifications

Please refer NIAB Tender Details as follows.

Tender ID : 2018_DBTEC_417795_1

Tender Reference Number : NIAB/SP/2018-19/74

Tender Title : UV-Visible Spectrophotometer

The following changes may please be noted before submission of bids with respect to the tender details mentioned above.

Revised /New changes in specifications

Specification in place of Existing old specifications --- **Read As** : - Annexure -1 (as attached below)

The specification mentioned below should be treated as revised specification and bid must be submitted accordingly .

Rest of the tender conditions remains same.

Manager (S&P)
NIAB-Hyderabad
Date:- 22/12/2018

CHANG OF SPECIFICATIONS

Annexure-1

Name of the Item	UV-Visible Spectrophotometer
Qty	1 no
SN	Technical specifications in detail
	PC based UV-Vis Spectrophotometer with following specifications
1	The system should be perfectly suitable for nucleic acid, protein assays, enzyme kinetics as well as for cell culture density measurements
2	Photometric system : Double beam optics
3	Photometric Accuracy : ± 0.004 Abs. or better
4	Wave length Range : 190 to 900 nm or more
5	Wave length Accuracy : ± 0.3 nm or better
6	Wave length Repeatability : ± 0.1 nm or better
7	Photometric mode : Absorbance, Transmittance (%)
8	Photo metric range : Up to 3 Abs or better Transmittance, Reflectance 0 to 99.9% or better
9	Base line linearity : ± 0.005 Abs at 1 nm slit
10	Spectral Band width : 0.1 nm to 4 nm or better
11	Wavelength scan speed : variable, up to 2500nm/min or better
12	Stray light : 0.05% or less
13	Detector : Photomultiplier or silicon photo diode
14	Light source : Tungsten and Deuterium Lamps Lamp
15	Quartz Cuvette : Two pairs of 1ml capacity 10 mm path Length
16	Should be compatible with low volume quartz and disposable UV transmitting cuvettes
17	Operating Voltage: 230 ± 10 VAC, 50Hz
18	Windows based operating software should have built in features. Branded PC having latest configuration necessary software for data processing and other relevant accessories to be quoted.
	Software requirements:
19	Measurement mode: photometry, wavelength scan, time scan.
20	Working curve type linear quadratic, polygonal line, K factor input.
21	Calculation of correlation coefficient, Concentration unit input, Kinetic assay, Spectrum display, Spectrum and working curve printout
22	Smoothing, Differentiation, Area calculation
23	Fundamental arithmetic calculations between spectra, Automatic wavelength calibration