



केन्द्रीय औषधीय एवं सगंध पौधा संस्थान, लखनऊ
CENTRAL INSTITUTE OF MEDICINAL & AROMATIC PLANTS
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)

(Council of Scientific & Industrial Research)

पोस्ट आफिस- सीमैप, लखनऊ
P.O. CIMAP Campus, Lucknow-226015

शुद्धिपत्र

No- 171(2)/2015-क्रय-T44

दिनांक- 09.03.2016

मल्टीमोड माइक्रोप्लेट डिटेक्शन सिस्टम की क्रय हेतु जारी निविदा दिनांक 26.02.2016 के क्रम में दिनांक 08.03.2016 को आयोजित पूर्व बोली बैठक के संदर्भ में सक्षम प्राधिकारी ने तकनीकी विशिष्टताओं में कतिपय संशोधन अनुमोदित किया है। संबंधित विस्तृत विवरण सीमैप की वेबसाइट www.cimap.res.in पर उपलब्ध है।

निविदा की शेष तकनीकी विशिष्टतायें, नियम और शर्तें यथावत रहेंगीं।

भवदीय,

भंडार एवं क्रय अधिकारी



केन्द्रीय औषधीय एवं सगंध पौधा संस्थान, लखनऊ
CENTRAL INSTITUTE OF MEDICINAL & AROMATIC PLANTS
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)

(Council of Scientific & Industrial Research)

पोस्ट आफिस- सीमैप, लखनऊ
P.O. CIMAP Campus, Lucknow-226015

Corrigendum

No- 171(2)/2015-pur-T44

Date 09.03.2016

In continuation of our tender for procurement of Multimode Microplate Detection System dated 26.02.2016 and consequent upon the pre bid meeting held on 08.03.16, the competent authority has approved some modifications in the technical specification of the tender. For details please visit CIMAP website www.cimap.res.in.

The rest of the specifications, terms and conditions of the tender document remain unchanged.

Yours faithfully,

Stores & Purchase Officer

Specification for Multimode Microplate Detection System

Instrument should have the following features	
Detection Modes	: Multimode detection system should have Fluorescence (Monochromator), Alpha technology (laser based), Chemiluminescence (Monochromator), UV-Visible Absorbance (Monochromator) and Homogenous Time Resolve Fluorescence (HTRF). All the above detection modes should be integrated in one system for better measurement capability and performing the following applications: Cell health assay, Cell signaling and metabolism assay, Reporter assay, BRET and FRET assays, ELISA assay, Nucleic acid quantification, BCA protein, Bradford protein assay, Comassie blue protein assay, Kinase assay, luciferase etc. capable of measuring end-points, kinetics, spectrum scanning.
Sample Format	: 6, 12, 24, 48, 96 and 384-well plates with cuvette port for at least two quartz cuvettes, and two quartz cuvettes.
Data process or analysis software	: <ul style="list-style-type: none"> • Compatible branded latest version of PC /laptop (> i7 window 7, OS-64 bit) includes LCD monitor (>20') with > 4GB RAM and hard disk 500GB or more with Laser printer and scanner. • Data should be exportable to Excel spreadsheet for analysis. • The system should be compatible for wireless, connectivity with cord, USB flash drive / Micro SD card. • System should have inbuilt software's for assay protocol and provisions for creating customized protocols • Software should allow auto saving of assay data to desired location in a simple file format. • Software should allow simultaneous evaluation of standard curves, plots and graphs. • Data analysis software should be quoted with at least 5 activation keys of license for multiple users in the institute.
Reading and Speed	: <ul style="list-style-type: none"> • System should perform spectral scanning, kinetic reading and endpoint reading. • Reading speed for 96-well plate should be less than 1 minute and for 384-well plate: less than 3 minutes.
Injector System Specifications	
Number of injectors	: Should have dual auto injector system with syringe pump (two injectors) for fast flash luminescent kinetics applications.
Dispense Volume	: 5–1000µl in 1µl increments
Injection Speed	: 20–500µl per second
Waste Collection Tray	: At least 50 ml collection capacity or above

Microplate Shaking Specifications	
Shaking Pattern	: Linear or orbital patterns
Shaking Intensity	: 100–500 cycles/minute
Heating System Specifications	
Temperature Range	: System should have temp. control in micro plate chamber (Ambient +4°C to 45°C or more)
Fluorescence module specifications	
Detector	: Top and bottom read with photomultiplier tube (PMT).
Light Source	: Wavelength-matched high energy Xenon flashlamp or LED System should have facility for up-gradation of well imaging.
Spectral range	: 250 - 850 nm or above.
Wavelengths selection	: Monochromator based system for wavelength selection
Chemi-luminescence module specifications	
Detector	: Top reading, head on photon counting multiplier tube (PMT) with low noise.
Wavelength Range	: Should be at least 300 – 700 nm or better.
Detection limit and dynamic mode	: Should be high sensitivity (Range-picomole/Atta mole or better)
Detection of chemi-luminescence	: Monochromator based detection for chemi-luminescence
UV-Visible Absorbance Module Specifications	
	: UV-Visible Absorbance should be monochromator based and scanning capability from 250-1000nm.
Detector	: Silicon photodiode
Light Source	: Xenon flash lamp/LED
Spectra Range	: 250–1000 nm or above
Power backup, warranty and application training	
Power backup system	: 2KVA compatible branded online UPS with at least 1hr power backup
Warranty on Instrument	: The warranty will be three years comprehensive (including all spares and labor) on instrument.
Application training	: Onsite application training must be provided by a trained application person from company at free of cost for smooth operation and maintenance of equipment to the satisfaction of the end users.