



No. AIIMS/R/CS/Micro/18/08/OT

**Corrigendum**

**Tender ID.No.2018\_IMSRP\_324365\_1, Dated:05.04.2018.**

With reference to above Tender ID.No., the following amendment is issued:

S.N o.	Page no in the NIT	Existing Tender Specification	To be read as
1.	Page.No.19.	Sensitive, autofocus, multimode image capture and analysis via an intuitive touchscreen interface with the application of Chemiluminescence, Fluorescence, Colorimetry and Gel Documentation to analyze western blots, Stained Nucleic acid Gels, Stained protein gels and Nucleic Acid Blots, molecular weight calculation, band distance, colony counting, merge marker etc.	<b>Sensitive, autofocus, multimode image capture and analysis via an intuitive touchscreen interface with the application of Chemiluminescence, Fluorescence, Colorimetry and Gel Documentation to analyze western blots, Stained Nucleic acid Gels, Stained protein gels and Nucleic Acid Blots, molecular weight calculation, band distance, merge marker etc.</b>
2.	Page no 19.	Motorized fixed lens optics with F/0.70 aperture.	Motorized fixed lens optics with F/0.70 or <b>better</b> aperture.
3.	Page.No.19.	Should have motorized 7-position filter wheel for dye flexibility of different fluorescent stains and for multiplexing.	<b>Automated filter wheel capable of holding multiple filters</b>
4.	Page no.19.	Should have scientific 6 CCD camera with sensor size of 1 inch must for high sensitivity and extremely high level of resolution	<b>Should have scientific grade 6 MP CCD or higher camera with high sensitivity and extremely high level of resolution</b>
5.	Page no 19.	Camera should give 6.3 megapixels native and 20 megapixels of motorized zoom lens with -55°C maximum differential cooling from the ambient with -30°C absolute and regulated cooling by three stage peltier thermoelectric cooler.	<b>Camera should give 6 megapixels or higher native and 20 megapixels of motorized zoom lens with -15°C absolute or better and regulated cooling by peltier thermoelectric cooler.</b>
6.	Page.No.19.	Auto Focus: System should have pre-calibrated focus for any zoom setting or sample height	No change in the existing specification.
7.	Page no 19.	Image output should be of publication quality TIFF format 16-bit with 65,536 gray scales and dynamic range of > 4.8 OD	<b>Image output should be of publication quality TIFF format 16-bit with minimum 65,000 gray scales and dynamic range of &gt; 4.0 OD</b>
8.	Page.No.19.	System must have native binning mode 1 x 1 to achieve 6.3 megapixels native image and subsequently 2x2, 3x3, 4x4, 8x8	<b>Native Binning mode of 2x2, 3x3, 4x4, 8x8</b>
9.	Page no.19.	System should automatically take a corresponding visible white image with every chemiluminescent image exposure and should allow overlay/merge alignment with pre-stained MW markers.	<b>System should take a corresponding visible white image with every chemiluminescent image exposure and should allow overlay/merge alignment with pre-stained MW markers.</b>
10.	Page no.19.	System should not have any plastic cabinet to avoid auto fluorescence from dark room.	No change in the existing specification.
11.	Page.No.19.	The complete capability to replace a Dark Room.	No change in the existing specification.
12.	Page.No.19.	The Exposure time should be from 40 milliseconds to 120 minutes or less.	<b>The exposure time should be from seconds to maximum 120 minutes.</b>
13.	Page.No.19.	Illumination source should be 302 or 312 nm	<b>Illumination source should be 302 or 312 nm trans UV</b>

		trans UV and LED epiwhite. Should have minimum of 10.4 inch touchscreen display with an integrated / external computer with >200GB hard drive. To operate the touchscreen interface, a stylus should be provided along with the system.	<b>and LED epiwhite. Should have minimum of 10.4 inch touchscreen display with an integrated hard drive and also an external computer. To operate the touchscreen interface, a stylus should be provided along with the system. The system should work stand-alone also and should be supplied with an external computer also (Specifications are given below)</b>
14.	Page.No.19.	All mini/midi and large gels should be imaged in the system. Image are at least 16 X 20 cm.	No change in the existing specification.
15.	Page.No.19.	The System should create <i>Dark and Biased Master files</i> to compensate for the noise coming from the CCD Camera during Image Acquisition.	No change in the existing specification.
16.	Page.No.19.	The capability to automatically capture a series of images using preset or user defined exposure times.	No change in the existing specification.
17.	Page.No.19.	Innovative molecular weight overlay/merge feature where colorimetric molecular weight marker can be overlaid onto a chemiluminescent image for molecular weight determination without compromising the underlying chemiluminescent densitometry data.	<b>Repetition of point no. 9, therefore Deleted</b>
18.	Page.No.19.	System have the technology to visualize faint bands thereby increased sensitivity with no visible light background while performing gel documentation.	No change in the existing specification.
19.	Page.No.20.	Should have light safety switch override for safety and for preparative work when the door is open.	No change in the existing specification.
20.	Page.No.20.	Software should be multi-user licensed provided for analysis and must include features for auto exposure and 3D Dynamic scan.	No change in the existing specification.
21.	Page.No.20.	System must have in-built Red, Green & Blue LEDs along with emission filters one each for Red, Green & Blue excitation to support multiplexing studies.	<b>This specification deleted</b>
22.	Page.No.20.	The Software should be able to calculate sample purity automatically based on band and lane intensity and should be able to calculate the Relative and Absolute quantity of the unknown proteins samples.	No change in the existing specification.
23.	Page.No.20.	Should be an open platform to accept standard image file types (i.e., TIFF, JPEG, PNG, GIF, BMP files).	<b>Should be an open platform to accept standard image file types (i.e., TIFF, JPEG, PNG, BMP files)</b>
24.	Page.No.20.	The Software should be able to edit the Images and Text Annotation option should also be there.	No change in the existing specification.
25.	Page.No.20.	The Software should perform Lane Profile Densitometry (Lane and Band Identification) and it should also analyze Molecular Weight; determine the Rf and Molecular Weight of protein or Nucleic Acid Bands using Installed or Custom MW Markers	No change in the existing specification.
26.	Page.No.20.	Software should have highest level of automation in hardware calibration, image optimization, capture, and analysis.	No change in the existing specification.
27.	Page.No.20.	Should have automated image capture driven by a selected gel or blot application.	No change in the existing specification.
28.	Page.No.20.	Software should have automated normalization feature for normalizing	No change in the existing specification.

		western blot signals of target band with either a housekeeping protein band or total protein load of a sample.	
29.	Page.No.20.	Software should have feature for Automatic print when only imaging and printing is required.	No change in the existing specification.
30.	Page.No.20.	Software should have unlimited undo and redo functions to easily correct for any missteps with additional features like easy copy/paste, crop, zoom, 3D viewer and colors.	No change in the existing specification.
31.	Page.No.20.	Should be single software for acquisition and analysis with no requirement for any license or registration.	No change in the existing specification.
32.	Page.No.20.	Free life time upgrade for acquisition and analysis software should be available freely on the internet.	No change in the existing specification.
33.	Page.No.20.	System should be supplied with reagents for initial demonstration and training (Pre-stained protein marker 500µl, Unstained protein marker 1ml, ECL substrate 300ml)	No change in the existing specification.
34.	Page.No.20.	Should be supplied with suitable computer (core i5 CPU, 4GB RAM, 1TB HDD, 18.5" monitor, 6 <sup>th</sup> generation motherboard) and 1KVA online UPS with 30mins back up.	No change in the existing specification.
35.	Page.No.20.	Electrical specification: 220 volts, 50Hz. single phase A.C.	No change in the existing specification.
36.	Page.No.20.	System must have European CE/ FDA.	System must have BIS/European CE/FDA.
37.	Page.No.20.	Should be supplied with warranty of two years.	No change in the existing specification.
38.	Page.No.20.	AMC for 3 years.	No change in the existing specification.
39.	Page.No.20.	Sensitive, autofocus, multimode image capture and analysis via an intuitive touchscreen interface with the application of Chemiluminescence, Fluorescence, Colorimetry and Gel Documentation to analyze western blots, Stained Nucleic acid Gels, Stained protein gels and Nucleic Acid Blots, molecular weight calculation, band distance, colony counting, merge marker etc.	<b>Sensitive, autofocus, multimode image capture and analysis via an intuitive touchscreen interface with the application of Chemiluminescence, Fluorescence, Colorimetry and Gel Documentation to analyze western blots, Stained Nucleic acid Gels, Stained protein gels and Nucleic Acid Blots, molecular weight calculation, band distance, merge marker etc.</b>

All other terms and condition will remain unchanged.

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