15.07.2022

Amendment No. 18

Sub: Technical Amendment to the referred tender enquiry

Ref.: HITES/PCD/AIIMS-IV/50/Mix/ 22-23 dated 17-03-2022 read with its Amendment No 1, 2, 3, 4 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 and 17 dated 18.04.2022, 30.04.2022, 02.05.2022, 07.05.2022, 12.05.2022, 19.05.2022, 26.05.2022, 31.05.2022, 03.06.2022, 23.06.2022, 05.07.2022 and 08.07.2022 and 14.07.2022 respectively

The following changes are being incorporated in the above referred Tender Enquiry Document for following items only

S.N.	Tender Id	Item name
1	2022_HLL_110121_3	Fully Automated Gel Documentation System

SECTION VII

Technical Amendment

TECHNICAL AMENDMENT		
Tender ref: HITES/PCD/AIIMS-IV/50/Mix/ 22-23 dated 17-03-2022		
03 - Fully automated Gel Documentation system (2022_HLL_110121_3)		
Tender Page & Para	**TENDER SPECIFICATION**	**AMENDED AS**
Page 48, para 1	Sensitive, multimode image capture and analysis via an intuitive touchscreen interface and advanced software for analyzing chemiluminescent western blot, stained nucleic acid gels, stained protein gels and Chemiluminescent Nucleic Acid Blots	Sensitive, multimode image capture and analysis via an intuitive touchscreen interface and advanced software for analyzing chemiluminescent western blot, stained nucleic acid gels, stained protein gels and Chemiluminescent Nucleic Acid Blots **Added Para:** **Should have software for analysing stainfree imaging & should be supplied with 10 stain free blot from the same manufacturer.**
Page 48, para 5	Should have high resolution camera with 4 mega pixel or more/greater resolution, 16-bit peltier cooled (minimum -25 deg C) CCD Camera, motorized fixed lens 50mm, f/0.95/1.2	Should have high resolution camera with **6 Mega pixel or more**, 16 bit peltier cooled (minimum -25 deg C) CCD Camera, motorized fixed lens 50mm, f/0.95/1.2

Page 48, para 7	Illumination source should be 302 - 312 nm trans UV and LED epiwhite. Should have large 10.4 inch touch screen display with and integrated or standalone branded computer with >500GB hard drive and i5 processor. To operate the touch screen interface, a stylus should be provided along with the system.	Illumination source should be 302 - 312 nm trans UV , LED epiwhite **or Green LED** . Should have large 10.4 inch touch screen display with and integrated or standalone branded computer with >500GB hard drive and i5 processor. To operate the touch screen interface, a stylus should be provided along with the system. **Added Para :** **Should be provided with a Printer and At least 3 USB & 1 Network Port should be included in the System. The system should get directly connected to the printer and Hospital information system.**
Page 48, para 8	Atleast 5 user licenses included with the instrument	Should have **unlimited free software licenses with the system.**

All other contents of the Tender enquiry including terms & conditions remain unaltered.

Note:

I. **Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids**

Pre Bid Query Reply

Response To Pre-Bid Queries (Pre-Bid date: 30.03.2022, 31.03.2022, 01.04.2022, 04.04.2022,)				
Tender ref: HITES/PCD/AIIMS-IV/50/Mix/ 22-23 dated 17-03-2022				
03 - Fully automated Gel Documentation system (2022_HLL_110121_3)				
Tender Page & Para	**TENDER SPECIFICATION**	**REPRESENTATION RECEIVED FROM THE FIRMS**	**COMMITTEE RECOMMENDATION**	**JUSTIFICATION**
Page 48, para 1	Sensitive, multimode image capture and analysis via an intuitive touchscreen interface and advanced software for analyzing chemiluminescent western blot, stained nucleic acid gels, stained protein gels and Chemiluminescent Nucleic Acid Blots	**Change Required:** Add stainfree imaging **Justification:** Very Important application now a days, helps in doing total protein normalization which is now largely used and highly referred in publications	Sensitive, multimode image capture and analysis via an intuitive touchscreen interface and advanced software for analyzing chemiluminescent western blot, stained nucleic acid gels, stained protein gels and Chemiluminescent Nucleic Acid Blots **Added Para: Should have software for analysing stainfree imaging & should be supplied with 10 stain free blot from the same manufacturer.**	More Sensitive and having Better Dynamic Range than Coomassie Stain
Page 48, para 4	The Exposure time should be from 10 milliseconds to 99 minutes	Request for consideration: The Exposure time should be from 1 milli seconds to 60 minutes Justification: Higher exposure is not required for Chemiluminescent as it may give false results	No Change recommended	Not required
Page 48, para 5	Should have high resolution camera with 4 mega pixel or more/greater resolution, 16-bit peltier cooled (minimum -25 deg C) CCD Camera, motorized fixed lens 50mm, f/0.95/1.2	**Change Required:** Should have high resolution camera with 6 mega pixel or more/greater resolution, 16-bit peltier cooled (minimum -15 deg C from Absolute) CCD Camera,	Should have high resolution camera with **6 Mega pixel**, 16 bit peltier coled (minimum -25 deg C) CCD Camera, motorized fixed lens	Justification: high resolution of camera requires for capturing better image & detection

		motorized fixed lens 50mm, f/0.95/1.2. **Justification:** Peltier cooling atleast -10 Deg C For better sensitivity and noise reduction Should have high resolution camera with 8 mega pixel or more/greater resolution, 16-bit peltier cooled (minimum -25 deg C below ambient) CCD Camera, motorized fixed lens 50mm, f/0.95 Justification: Chemiluminescent Nucleic Acid Blots Require high resolution camera for better detection and analysis	50mm, f/0.95/1.2	
Page 48, para 6	At least 4 position motorized filter wheel; 1 blank for chemiluminescence and 3 for filters	At least 3 position motorized filter wheel; 1 blank for chemiluminescence and 2 for emission filters. Justification: Additional filters are required to image Sybr dyes, which can be effectively excited by Green LED lights	No Change recommended	Not required
Page 48, para 7	Illumination source should be 302 - 312 nm trans UV and LED epiwhite. Should have large 10.4 inch touch screen display with and integrated or standalone branded computer with >500GB hard drive and i5 processor. To operate the touch screen interface, a stylus should be provided along with the system.	Illumination source should be 302 - 312 nm trans UV/Green LED. Should have large 10.4 inch touch screen display with and integrated or standalone branded computer with >500GB hard drive or 64 GB Hard drive with Cloud storage facility and i5 processor. To operate the touch screen interface, a stylus should be provided along with the system Justification: Advantages of Green LED: 1. Effectively excites all popular nucleic acid fluorescent stains such as EtBr, Sybr dyes etc. 2. Non hazardous for sample and researchers as compared to UV. With Cloud storage, images can be accessed from	Illumination source should be 302 - 312 nm trans UV , LED epiwhite **or Green LED** . Should have large 10.4 inch touch screen display with and integrated or standalone branded computer with >500GB hard drive and i5 processor. To operate the touch screen interface, a stylus should be provided along with the system. **Added Para : Should be provided with a Printer and At least 3 USB & 1**	Green LED can excite all popular nucleic acid fluoroscent stains 7 non hazardous to sample and operator. Printer will be required to take print of image and if directly connected to HIS system , user can share image with clinician if necessary.

		anywhere.	**Network Port should be included in the System. The system should get directly connected to the printer and Hospital information system.**	
Page 48, para 8	Atleast 5 user licences included with the instrument	**Change Required:** Free Software licenses included with the instrument **Justification:** should be free for any number of users - as students / faculty may change and machine will last for many years Unlimited Analysis Software should be available in both desktop and Connect (cloud-based) versions Justification: Analysis software for every user help for better productivity and ease of use. With Cloud software, images can be analysed from anywhere.	Should have **unlimited free software licenses with the system.**	should be user friendly and anyone can operate it.
Page 48, para 17	System should be upgradable and there should be flexibility to add filters	Please remove Justification: Green LED lights fulfills popular nucleic acid fluorescent stains requirement	No Change recommended	Not required