

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES,
SHEIKHPURA, PATNA – 800 014 (Bihar, India)
Tel.: 0612 – 2297631, 2297099; Fax: 0612 – 2297225; Website: www.igims.org;
E-Mail: director@igims.org

Ref. No.: IGIMS/ 2017/ 560 / Store

Date: 18 / 09 / 2017

CORRIGENDUM

Amendment Notice to the Tender Document bearing Tender Notice No.-12/2017-18/Biomedical Eqpt../IGIMS/Store for the supply of biomedical equipment to the various dept. of IGIMS, Patna-

Amendments mentioned hereunder are notified:

Description	Specifications mentioned in the Bidding Document	Should be read as follows:
Group A – Transplant Immunology		
<u>Page No. 31, Item 6.a- Multiplex analyser(100 or 500 bead Plex based on xMAP Technology) For HLA typing & Antibody Screening)</u>	<ul style="list-style-type: none"> Instrument should come with computer with operating and analysing software, PC to be provided should have the following configuration: Windows 10 Professional, 1TB HDD, 4GB RAM or more, intel i7 6th gen processor, including UPS. 	<ul style="list-style-type: none"> Instrument should come with computer with operating and analysing software, PC to be provided should have the following configuration: Windows 10 Professional, 1TB HDD, 4GB RAM or more, intel i7 or better processor, including UPS.
<u>Page No. 32, Item 6.b-Blood Group ABO Typing Machine</u>	<ul style="list-style-type: none"> Screening for HIV, HBsAg, HCV, Syphilis, CMV 	<ul style="list-style-type: none"> Screening for HIV, HBsAg, HCV, Syphilis, CMV – Deleted Added- Should be a Fully Automated Continuous Random Access system System should be a Floor Model so that it can be moved easily System should be covered to avoid dust contamination System and waste containers to be within the system System should have two separate pipetting arms for pipetting the reagents and samples Should have STAT facility for emergency samples. System should be based on Gel/SPRCA technology Should have the facility of automatically performing weak D testing of RH negative samples System should have a capacity to load 180 samples or more at a given point of time Cards/Plates should be room temperature stable

		<ul style="list-style-type: none"> • System should have facility to load plates/cards continuously during the run • Should have Continuous refilling of system liquid (without interruption) and waste removal • System should have different security levels for different users of the system • Should be able to give grading of reaction for choosing least compatible blood in cases of multiple transfusions. • Should have blood grouping (A-B-AB-D1-D2-CTRL-A1CELLS-BCELLS-OCELLS-AUtoctrl), Antibody Screening (Three Cell panel), Cross match, Donor Pooled and all other combination of test performed on automatic system. • Platelet cross match and platelet Antibody screening will be preferred. • Facility for automated igG and igM titres
Group B – Microbiology Department		
<u>Page No. 35, Item Sr. No.3- Microscope with computer screen</u>	<ul style="list-style-type: none"> • 1.With suitable light transmission system 	<ul style="list-style-type: none"> • With LED illumination with 60000 hrs. life or better.
	<ul style="list-style-type: none"> • 5.Optics must be imported 	<ul style="list-style-type: none"> • UIS2 quality infinity corrected optics.
	<ul style="list-style-type: none"> • 8.Objectives 2x, 4x, 10x, 40x, 60x, 100x 	<ul style="list-style-type: none"> • Objectives 2x, 4x, 10x, 40x, 60x, 100x oil immersion.
Group C – Multi-Disciplinary Research Unit (MRU)		
<u>Page No. 46, Item Sr. No.20- Milli Q Water Purification System</u>		<p>Added-</p> <ul style="list-style-type: none"> • Before and after conductivity meter in R.O. to ensure the percentage of performance of R.O. and percent performance must be seen on the display
<u>Page No. 39, Item Sr. No.09- Table Top Refrigerated Micro centrifuge</u>	<ul style="list-style-type: none"> • 7.Maximum Speed:15000 rpm or more 	<ul style="list-style-type: none"> • Maximum Speed:14000 rpm or more
	<ul style="list-style-type: none"> • 8.Maximum g-Force/RCF:25000xg or more 	<ul style="list-style-type: none"> • Maximum g-Force/RCF:20000 x g or more
	<ul style="list-style-type: none"> • c. Fixed Angle Rotor for 30 x1.5/2.0 ML tubes :max. speed\geq15000 rpm & \geq25000g 	<ul style="list-style-type: none"> • Fixed Angle Rotor for 30 x1.5/2.0 ML tubes :max. speed\geq14000 rpm & \geq20000g
<u>Page No. 40, Item Sr. No.10- Inverted Microscope</u>	<ul style="list-style-type: none"> • Microscope body with Infinity optical corrected optical system as per ISO norms 	<ul style="list-style-type: none"> • Microscope body with Infinity optical corrected optical system or UIS2 Quality as per ISO norms
	<ul style="list-style-type: none"> • With 6 Position filter block, for simultaneously attaching 6 fluorescence filters at a time 	<ul style="list-style-type: none"> • With 8 Position or more filter block , for simultaneously attaching 6 fluorescence filters at a time

	<ul style="list-style-type: none"> • Digital color cooled camera • High quality 2/3" 5.02 mega Pixels resolution in 12bit per RGB Colour channel 	<ul style="list-style-type: none"> • CCD/CMOS camera • High quality 2/3" 18 mega Pixels resolution in 12bit per RGB Colour channel
<u>Page No. 43, Item Sr. No.14- Geldoc for both trans illumination and chemiluminescence imaging system with photographic capabilities attached to a CCD camera and computer with software.</u>	<ul style="list-style-type: none"> • System should be with true 16 bit CCD, with >4 megapixel image resolution. 	<ul style="list-style-type: none"> • System should be with true 16 bit CCD, with 6 megapixel extendable to 20 megapixel and a fixed lens with a large aperture lens, f/0.84.
	<ul style="list-style-type: none"> • Cooled CCD with cooling range of -30°C absolute temperature using peltier cooling system. 	<ul style="list-style-type: none"> • Cooled CCD with sensor size of 1 inch with cooling range of -30°C absolute temperature using peltier cooling system.
	<ul style="list-style-type: none"> • System with dynamic flat fielding technology with CV<5% 	<ul style="list-style-type: none"> • System with dynamic flat fielding technology but not through software with CV<5%
	<ul style="list-style-type: none"> • Large transillumination area for sample of minimum 28X36 cm with imaging area of 26X35 cm. 	<ul style="list-style-type: none"> • Large transillumination area for sample of minimum 21X26 cm with imaging area of 21X26 cm.
	<ul style="list-style-type: none"> • Auto focus technology without the movement of sample platform. 	<ul style="list-style-type: none"> • Auto reconnaissance technology with the movement of sample platform.
	<ul style="list-style-type: none"> • Pixel size should be 6.45 µm X 6.45 µm or bigger. 	<ul style="list-style-type: none"> • Pixel size should be 4.54 µm X 4.54 µm or bigger.
	<ul style="list-style-type: none"> • Instrument should have minimum 6 position filter wheel. 	<ul style="list-style-type: none"> • Instrument should have minimum 4 position filter wheel.
	<ul style="list-style-type: none"> • Dynamic range should be >4 orders of magnitude for good quantification. 	<ul style="list-style-type: none"> • Dynamic range should be >4.8 orders of magnitude for good quantification.
	<ul style="list-style-type: none"> • System should have at least 8 different modes of illumination (Trans-UV, epiwhite, no illumination for chemiluminescence, trans-white, epi-red, epi-green, epi-blue, and optional trans-blue) 	<ul style="list-style-type: none"> • System should have at least 8 different modes of illumination (Trans-UV, epiwhite, no illumination for chemiluminescence, trans-white, epi-red, epi-green, epi-blue, and infra-red.
	<ul style="list-style-type: none"> • Software should be Mac and PC compatible 	<ul style="list-style-type: none"> • Software should be Mac and/or PC compatible .
<u>Page No. 48, Item Sr. No.25- Compound Microscope-Dual Head Microscope Laboratory Trinocular Microscope.</u>	<ul style="list-style-type: none"> • 4x (0.10 NA), 10x (0.25 NA), 40xR (0.65NA) and 100xR (1.25 NA) deluxe objectives are DIN achromatic, parcentered, parfocaled, and color coded 	<ul style="list-style-type: none"> • 4x (0.10 NA), 10x (0.25 NA), 40xR (0.65NA) and 100xR (1.25 NA) Plan Achromatic (UIS2) quality are DIN achromatic, parcentered, parfocaled, and color coded
	<ul style="list-style-type: none"> • 20-watt, 12-volt extra-bright halogen illumination with a 	<ul style="list-style-type: none"> • LED illumination with 60,000,00 hours life or better with a variable rheostat for precise lighting control

	variable rheostat for precise lighting control	
<u>Page No. 50, Item Sr. No.30- Research Microscope with Fluorescence attachment</u>	<ul style="list-style-type: none"> • Trinocular/Binocular, inverted phase contrast microscope along with digital camera with Micro LED based Fluorescence attachment (Blue & Green excitation) Quadruple revolving nosepiece 	<ul style="list-style-type: none"> • Trinocular/Binocular, inverted phase contrast microscope along with digital camera with Micro LED based Fluorescence attachment (Blue & Green excitation) Sextuple revolving nosepiece.
		<ul style="list-style-type: none"> • Added- UV cassette excitation 360 nm.
	<ul style="list-style-type: none"> • Digital Camera system attachment: 12.5 Mega pixel resolution or more 	<ul style="list-style-type: none"> • Digital Camera system attachment: 18 Megapixel resolution or more Cooled CMOS Camera,
	<ul style="list-style-type: none"> • Data Collection and processing unit: Branded, Processor i3, 2 GB RAM, DVD Writer, 300GB or higher HDD, with 17" TFT Monitor 	<ul style="list-style-type: none"> • Data Collection and processing unit: Branded, Processor i3, 2 GB RAM, DVD Writer, 300GB or higher HDD, with 21" TFT Monitor or more
	<ul style="list-style-type: none"> • Note: Apart from above specifications the unit must be Upgradable at any time in terms of fluorescence and other functions. 	<ul style="list-style-type: none"> • Note: Apart from above specifications the unit must be Upgradable to 6 position objective and 8 or more position fluorescence filter.

Please Note:

1. All the equipment's to be supplied must be supported by ON-LINE UPS of required capacity with 30 minutes battery backup.
2. The bidders are requested to take note of the following changes made in the tender document, which are to be taken into account while submitting the tender. They shall be presumed to have done so and accordingly submitted the tender.
3. All other specifications, terms & conditions of the original tender document shall remain unchanged.
4. This amendment shall be part of the tender documents and become effective immediately in supersession to the earlier corresponding version.

The document also can be downloaded from the IGIMS website www.igims.org.

sdl -
Director
I.G.I.M.S, Patna

Copy to- Sr. Biomedical Engineer: For Uploading on website/ Notice Board.

B. S. Singh
Director 18/9/17
I.G.I.M.S, Patna