



No. AIIMS/R/CS/GeneticsLab/19/OT

अखिल भारतीय आयुर्विज्ञान संस्थान ,रायपुर) छत्तीसगढ़  
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Date – 03/09/2019

## Corrigendum

**Sub: Corrigendum in Notice Inviting Tender for Establishment of Genetics Lab at AIIMS Raipur.  
Tender Id: 2019\_IMSRP\_479125\_1.**

In context to following corrigendum is issued against subject :

Page No/ Clause no/ point no.	Instrument	Existing specs	Suggested modification
Page No.19 & 20/ Item no. 1/ point no. 5,6,10,211,12,13,15,19,22 ,23	Fully automated gel documentation system	5. System should have light path that maximizes sample viewing area in a small instrument design. System should provide a field of view 21 x 16 cm or more, enough for 4 mini gels.	5. System should have light path that maximizes sample viewing area in a small instrument design. System should provide a field of view enough for at least 4 mini gels.
		6. System should have 8 MP CCD camera or more, chip dimensions 16 mm diagonal or more, at-least 3.69x2.69 um pixel size. Images generated in a 16 bit format that allows 65,000 gray scales or more and dynamic range of > 4.5 OD. 12.5x10mm chip utilizes Micro lens surface technology to maximize light capture.	6. System should have 8 MP CCD camera or more, at-least 3.69x2.69 um pixel size. Images generated in a 16 bit format that allows 65,000 gray scales or more and dynamic range of > 4.5 OD.
		10. System imagers should be cooled to approximately -30C below ambient temperature to minimize the time required before operation caused by higher levels of cooling.	<b>Now Deleted</b>
		11-12. Additional cooling should not be utilized due to the low noise levels of the camera (< 0.005 e- /pixel/sec a -10°C).	<b>Now Deleted</b>
		13. System should come with a 25mm F/0.95 aperture lens that allows fast light capture and a large field of view.	13. System should come with a 25mm F/0.95 or better aperture lens that allows fast light capture and a large field of view.
		15. DNA and protein gels should be visualized using a bright green LED array with and exciting range of 480-530nm.	15. DNA and protein gels should be visualized using a bright LED array with and exciting range of 480-530nm.

		19. System should have built-in computer and touch screen interface. In addition, external software should be freely available on cloud that can be accessed and utilized from any computer with network access.	19. System should have built-in computer with touch screen interface and facility for external computer control as well.
		22. System should be cloud connected analysis software for molecular weight calculation, relative and absolute quantitation, and normalization. Personal data should be accessed and analyzed from any computer and any location.	22. System should have analysis software for molecular weight calculation, relative and absolute quantitation, and normalization.
		23. Software should be regularly upgraded. Cloud software updates should occur automatically.	23. Software should be regularly upgraded.
<b>Page No.20/ Item no. 2/ point no. 5,6,10,21</b>	<b>Real time PCR System</b>	5. Should have temperature range of 4 °C-100 °C.	5. Should have temperature range of 4-25 °C to 99-100 °C.
		6. Should have block ramp rate of 6.5 deg C/ sec or more.	6. Should have block ramp rate of 4.5 deg C/ sec or more.
		10. Should have run time of less than 30 minutes for 40 cycles in fast mode.	10. Should have facility to run in fast mode.
		21. System should have option like Stand-alone, PC connected, or direct connection to cloud via LAN or Wi- Fi.	21. System should have options like Stand-alone and PC connected.
<b>Page No.22/ Item no. 3/ point no. 2,5,7,9,10</b>	<b>Conventional Thermal Cycler/ PCR System</b>	2. The system should have gradient block with sample capacity 3 x 32 x 0.2 ml PCR tubes.	2. The system should have gradient block with sample capacity of 3 x 32 x 0.2 ml or 2 x 48 x 0.2 ml or 64/32 x 0.2 ml PCR tubes.
		5. The system should have a ramp rate at least 6 °C /s and 4 °C /s or more for cooling & heating respectively,	5. The system should have a ramp rate at least 3 °C /s and 2 °C /s or more for cooling & heating respectively,
		7. Sample ramp rate should be at least 4 °C.	7. Sample ramp rate should be at least 3 °C.
		9. Instrument should be usable by three different users simultaneously or exclusive of each other with two temperatures	9. Instrument should be usable by multiple different users simultaneously or exclusive of each other with multiple temperatures

		selectivity for individual user.	selectivity for individual user.
		10. The block should be interchangeable to set more than 96 samples.	<b>Now Deleted</b>
			29. The brand should be the manufacturer of the equipment. <b>(to be added)</b>
<b>Page No.26/ Item no. 6/ point no. 2,3</b>	<b>Non-Refrigerated Table Top Centrifuge</b>	2. The centrifuge should have max speed of 17,200 RPM or better.	2. The centrifuge should have max speed of 17,000 RPM or better.
		3. The centrifuge should have max RCF: 29,000 x g or better.	3. The centrifuge should have max RCF: 23,500 x g or better.
<b>Page No.27/ Item no. 7/ point no. 2,3,</b>	<b>Refrigerated Table Top Centrifuge</b>	2. The centrifuge should have max speed of 17,200 RPM or better.	2. The centrifuge should have max speed of 17,000 RPM or better.
		3. The centrifuge should have max RCF: 29,000 x g or better	3. The centrifuge should have max RCF: 23,500 x g or better.
<b>Page No.39/ Item no. 25/ point no. 2,3,9,10,14,19</b>	<b>Automated System for Protein, Nucleic acid extraction and Cell separation</b>	2. The processing volume should be flexible for all type of sample volumes from 30ul – 5000ul (microlitre).	2. The processing volume should be flexible for all type of sample volumes from 30ul – 1000ul (microlitre) or more.
		3. The instrument should have option to run 6, 12 or 24 samples per run.	3. The instrument should have option to run 12 samples per run, at least.
		9. The instrument should have an option of heating and cooling from +10 °C to +75 °C in RT.	9. The instrument should have an option of heating and cooling from +10-25 °C to +70-75 °C in RT.
		10. Eluted DNA from samples in strip Block temperature should be from +4°C to +75°C in RT.	10. Eluted DNA from samples in strip Block temperature should be maintained at RT.
		14. The software and computer should be supplied with the instrument and the software should have unlimited users' access.	14. The software and computer should be supplied with the instrument and the software should have at least 10 users' access.
		19. Start-up kit or consumables for at least 200 tests should be provided free of cost.	19. Start-up kit and consumables for at least 200 tests should be provided free of cost.
<b>Page No23/ Item no. 4/ point no.15</b>	Vortex Mixer	15. Five (5) years warranty and five (5) years CMC should be provided	2 years warranty

<b>Page No. 29/ Item no. 9/ Point no.19</b>	Digital Dry Heating bath/block	19. Five (5) years warranty and five (5) years CMC should be provided	2 years warranty
<b>Page No. 30/ Item no. 10/ Point no.17</b>	Horizontal gel electrophoresis with compatible power supply and accessories	17. Five (5) years warranty and five (5) years CMC should be provided	2 years warranty
<b>Page No. 31/ Item no. 11/ Point no.16</b>	Vertical gel electrophoresis with compatible power supply and accessories	16. Five (5) years warranty and five (5) years CMC should be provided	2 years warranty
<b>Page No. 35/ Item no. 18/ Point no.10</b>	Laboratory Weighing balance	10. Five (5) years warranty and five (5) years CMC should be provided	2 years warranty
<b>Page No. 36/ Item no. 19/ Point no.13</b>	Tissue homogenizer	13. Five (5) years warranty and five (5) years CMC should be provided	2 years warranty
<b>Page No. 37/ Item no. 22/ Point no.15</b>	Ice flaker 100kg/day output	17. Five (5) years warranty and five (5) years CMC should be provided	2 years warranty
<b>Page No. 38/ Item no. 23/ Point no.17</b>	Ph/mV/TEMP Meter	15. Five (5) years warranty and five (5) years CMC should be provided	2 years warranty
<b>Page No. 38/ Item no. 24/ Point no.15</b>	Magnetic Stirrer	17. Five (5) years warranty and five (5) years CMC should be provided	2 years warranty
<b>Page No. 40/ Item no. 26/ Point no.40</b>	Liquid Nitrogen Cylinders, 40-50 L	15. Five (5) years warranty and five (5) years CMC should be provided	2 years warranty
<b>Page No/ Clause no/ point no.</b>	Autoclave	Five (5) years warranty and five (5) years CMC should be provided	2 years warranty

<b>Page no.5/Clause no.29/Point no. 23 Under Earnest Money</b>	Magnetic Stirrer (three positions)	<b>Magnetic Stirrer (Five positions)</b>
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**Note :-**

*All other terms & condition will be remain unchanged.*

*Corrigendum must be uploaded along with technical bid as acceptance.*

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