

Ref No: INS/L-5562/2019-2020(Y)

**Addendum No.1**  
**Ref No: INS/L-5562/2019-2020(Y)**

The Following Addendum is issued to our tender, under Ref No: INS/L-5562/2019-2020(Y) to be Amended in the Specifications:

Si. No	Page No	Technical specification	
		FOR	READ
1	09 of 13	<p>1. Bench top flow cytometer Cell Sorter required with at least 1 laser i.e. 488 nm /equivalent blue Laser, capable of detecting (FITC, PE,PI,GFP,7AAD, PerCP,) and capable of future upgradation to 3 Lasers.</p> <p>2. The system should be based on cuvette based fixed aligned cell sorting to avoid any user level alignment while day to day run of the instrument.</p> <p>3. The system should have at least 4 fluorescence/color (6 parameters) measurement capability simultaneously from given laser.</p> <p>4. System should have minimum 3 beam spots without any customization with the base instrument.</p> <p>5. The system must have nozzle of size of 100 microns and the nozzle tip can be removed during operation, replaced and stream optimized.</p> <p>6. No manual alignment of nozzle to be done by the user even after removal and replacement of the nozzle into the system.</p> <p>7. The system must be of closed architecture in order to avoid accidental exposure to lasers, optical paths and filter assembly</p> <p>8. The system should be able to acquire &amp; sort at least 25,000 or more -events/second.</p> <p>9. The system should have option of automatic cell deposition unit which allows for slide and plate sorting into 6, 24, 48, 96 and 384 plates.</p> <p>10. Viability &amp; yield should be more than 90% in routine applications</p> <p>11. Date Management system: Latest PC Workstation from source, with compatible monitors</p> <p>12. System must have upgradability option with Bio-safety cabin.</p> <p>13. Warranty: At least 2 years from the date of installation. Bangalore based team should be available for the installation, training and service. Any reported issue should be dealt within 2 working days</p>	<p>1. Multicolour Flow cytometry Analyser cum High Speed Cell Sorter System must be quoted with at least 2 lasers i.e. Blue Laser of 488nm, Red laser of 632-642nm, and should be upgradeable to 4 or more lasers.</p> <p>2. All the system optics must be fixed aligned in order to avoid any user level alignment in day-to-day operations.</p> <p>3. System must be able to generate at least 7 colour / fluorescence output or more from the given lasers simultaneously in addition to forwards scatter and side scatter parameters.</p> <p>4. System must have at least 4 or more pin holes / beam spots/ excitation channels or more keeping in mind simultaneous firing of lasers.</p> <p>5. All the optics of the system must be fixed aligned or require minimum user level alignment for day to day operations.</p> <p>6. The system must be able to perform high speed cell sorting with acquisition and sorting speed of at least 50000 events / droplets per seconds or higher</p> <p>7. System must be equipped with automated cell deposition unit / similar assembly for slide and plate sorting in 6, 24, 48, 96, and 384-well plates.</p> <p>8. System must be supplied with at least 70 to 100 nozzles which must be removable and can be sonicated and used further without need for any main instrument system alignment.</p> <p>9. Suitable and compatible workstation with advanced specifications must be supplied from source along with the 2 X 19" Monitor with analysis and sorting software.</p> <p>10. Suitable online 5 KVA UPS with minimum 30 minutes back up-1 Qty., colour laser printer-1 Qty.</p> <p>11. Company must submit Performance Certificate of the quoted model from at least 5 different Govt. Research Institute towards proof of satisfactory performance along with the current all India list of users. Minimum 3 years of warranty is required.</p>



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		FOR	Marks	READ	Marks
1	10 of 13	1. Bench top flow cytometer Cell Sorter required with at least 1 lasers i.e. 488 nm /equivalent blue Laser, capable of detecting (FITC, PE,PI,GFP,7AAD, PerCP,) and capable of future upgradation to 3 Lasers.	33	1. Multicolor Flow cytometry Analyser cum High Speed cell Sorter System must be quoted with at least 2 lasers i.e. Blue Laser of 488nm, Red laser of 632-642nm, and should be upgradeable to 4 or more lasers.	30
		2. The system should be based on cuvette based fixed aligned cell sorting to avoid any user level alignment while day to day run of the instrument.		2. All the system optics must be fixed aligned in order to avoid any user level alignment in day-to-day operations.	
		3. The system should have at least 4 fluorescence/color (6 parameters) measurement capability simultaneously from given laser.		3. System must be able to generate at least 7 colour / fluorescence output or more from the given lasers simultaneously in addition to forwards scatter and side scatter parameters.	
		4. System should have minimum 3 beam spots without any customization with the base instrument.		4. System must have at least 4 or more pin holes / beam spots/ excitation channels or more keeping in mind simultaneous firing of lasers.	
		5. The system must have nozzle of size of 100 microns and the nozzle tip can be removed during operation, replaced and stream optimized.	33	5. All the optics of the system must be fixed aligned or require minimum user level alignment for day to day operations.	25
		6. No manual alignment of nozzle to be done by the user even after removal and replacement of the nozzle into the system.		6. The system must be able to perform high speed cell sorting with acquisition and sorting speed of at least 50000 events / droplets per seconds or higher	
		7. The system must be of closed architecture in order to avoid accidental exposure to lasers, optical paths and filter assembly	34	7. System must be equipped with automated cell deposition unit / similar assembly for slide and plate sorting in 6, 24, 48, 96, and 384-well plates.	25
		8. The system should be able to acquire & sort at least 25,000 or more -events/second.		8. System must be supplied with at least 70 to 100 nozzles which must be removable and can be sonicated and used further without need for any main instrument system alignment.	
		9. The system should have option of automatic cell deposition unit which allows for slide and plate sorting into 6, 24, 48, 96 and 384 plates.	20	9. Suitable and compatible workstation with advanced specifications must be supplied from source along with the 2 X 19" Monitor with analysis and sorting software.	100
		10. Viability & yield should be more than 90% in routine applications		10. Suitable online 5 KVA UPS with minimum 30 minutes back up-1 Qty., colour laser printer-1 Qty.	
		11. Date Management system: Latest PC Workstation from source, with compatible monitors		11. Company must submit Performance Certificate of the quoted model from at least 5 different Govt. Research Institute towards proof of satisfactory performance along with the current all India list of users. Minimum 3 years of warranty is required.	
		12. System must have upgradability option with Bio-safety cabin.		<b>Total</b>	
		13. Warranty: At least 2 years from the date of installation. Bangalore based team should be available for the installation, training and service. Any reported issue should be dealt within 2 working days			
<b>Total</b>		<b>100</b>			
Evaluation will be carried out and those Vendors who score minimum 75% will qualify for Price Bid opening. Thereafter, Financial proposal shall be evaluated. The Commercially LOWEST BIDDER shall be the first preferred Vendor for award of Order.			Evaluation will be carried out and those Vendors who score minimum 75% will qualify for Price Bid opening. Thereafter, Financial proposal shall be evaluated. The Commercially LOWEST BIDDER shall be the first preferred Vendor for award of Order.		

All other terms and conditions of the tender document remains unaltered

Yours faithfully,  
For and on behalf of Institute for stem cell and Regenerative Medicine,

Purchase Officer

