

Equipment **Microfluidic DNA/RNA/Protein quantification system**

S.No	Technical specification	Complied (yes or No)	If compliance given, mention the page no. of your technical document where the details are provided.
1	Instrument should have separate micro volume and cuvette measurement port		
2	Minimum Volume in Micro-Volume Sample Port should be 1 µL or less		
3	Wave length scan range should be 190 to 850 nm with suitable range filters		
4	A long Lasting Xenon flash lamp		
5	Detector – CCD/CMOS linear image sensor		
6	Sample measurement time should be minimal -10 seconds or less.		
7	Should be calibration and maintenance free		
8	Wavelength reproducibility and accuracy should be +/- 2 nm or better		
9	Should have various in built protocols for measurement of Nucleic acids and Proteins		
10	Should be able to detect very low concentrations: dsDNA 1ng/µl or less in micro-volume port and 0.5ng/µl or less in cuvette port		
11	Should be able to detect the maximum concentrations of dsDNA 10,000ng/µl or above		
12	When switched on, the system should be ready to use without lamp warm-up time		

13	The instrument should come along an attached PC/Laptop/Build-in touchscreen.		
14	System should have specialized Software or design to neglect the background noise or other contaminants to improve the accuracy of measurement.		
15	Should have at least one USB port for data acquisition and transfer.		
16	The foot print of the system should be low.		
17	The system should be supplied with the manufacturer recommended UPS with 20 minutes backup.		
18	Capable of operating as a stand alone instrument and also can be compactable to operate with computer		
	Others:		
19	Voltage and plugs adopted to meet Indian conditions		
20	The manufacturer must have the management system certified by ISO9001		
21	Certificate should be provided that the instrument was calibrated at the factory		
22	All standard accessories and consumables for 100 tests and part require to operate to be included in the offer.		
23	Warranty & Service: The equipment should be supplied with 1 year warranty, 2 year comprehensive annual maintenance contract (include spares and service visit) and 2 year Annual maintenance contract (only service visit). Immediate response upon system failure should be guaranteed. Response to service calls should happen within 48 hours.		
	The unit must be quoted by Original Equipment Manufacturer's with Sales and service support facilities in India through their branch office / Indian Agent (or) Indian agent with extensive sales (Minimum 5 years) and service support in India representing foreign principals / Original Equipment manufacturers. The Indian agency / dealership certificate with details of sales and service support should be enclosed with the technical bid.		

24	The firm should provide necessary original documentary evidence of the features of the offered model in the technical bid to facilitate proper technical evaluation.		
25	Purchase orders, contact details and user satisfactory reports of the quoted model from Nationalized or reputed laboratories all over the India must be shared with quotation.		
26	Complete installation and testing the main system and the accessories to their specifications done at the site of installation free of cost. All utility requirements for installation and running the system should be mentioned in the offer.		
28	Please indicate the year in which the model offered was introduced into the market and confirm whether the spares for the system would be available for a minimum period of 10 years and shall not be obsolete within five years of procurement.		
29	Special discount on list price for all spare parts must be given up to 10 years.		
30	Availability of local service support and response time for a service call during and after warranty specified.		
31	✓ Technical specification are intended to be descriptive only and not restrictive. The bidder may substitute alternative standards, brand names and/or catalogue numbers in its bid, provided that it demonstrates to the purchaser's satisfaction that the substitutions ensure substantial equivalence or superior to those designated in the "Technical Specifications		