

Corrigendum
Pre Bid Clarifications

After careful review of technical specification and points raised by potential bidders during pre-bid meeting, committee recommends following change in specifications and remaining specifications remains unchanged:

1. SPECIFICATION NO.1: PUMP

- (i) As per bidders recommendations and wide applicability, we have changed pressure range ≥ 600 bar as our research involve handling of samples for both analytical and semi-prep analysis and that require higher pressure range for appropriate running and resolution

2. SPECIFICATION NO.2: AUTOSAMPLER

- (i) As per bidders recommendations, we have done modification in precision. It has been changed to $\leq 0.3\%$ to attract wide participation
- (ii) As per bidders recommendations, we have done modification in sample capacity. It has been changed to ≥ 70 to attract wide participation. Alongside, please provide additional tray for 100 x 2 mL vial and 36 x 6 mL vials.

3. SPECIFICATION NO. 4: REFRACTIVE INDEX DETECTOR

- (i) As per bidders recommendations, we have done modification in drift. Drift has been changed to 1×10^{-7} or more
- (ii) As per bidders recommendations, we have done modification in cell Withstand pressure. It has been changed to 0.5MPa

4. SPECIFICATION NO. 4: PHOTODIODE ARRAY DETECTOR

- (i) As per bidders recommendations, we have done modification in no. of diode elements. It has been changed to 1024 diodes as this advance model available with all vendors
- (ii) As per bidders recommendations, we have done modification in Cell specification. The capacity has been changed to ≥ 10 ul to attract wide participation
- (iii) As per bidders recommendations, we have done modification in wavelength range. The new specification is 190-800nm wavelength range
- (iv) As per bidders recommendations, we have done addition in Light source. Alongwith D2lamp, tungsten lamp is also added
- (v) As per bidders recommendations, we have done modification in resolution has been changed to Spectral/Digital resolution: ≤ 1.4 nm

5. SPECIFICATION NO. 5 (3): ACCESSORIES (Column)







Additional columns are added in tender and the new specification states: C-18 column (250mmX4.6mm) with guard column, Aminex 87H (300X4.6) with guard column, Aminex 87C (300X4.6) with guard column

6. SPECIFICATION NO. 6 : WARRANTY

THE BIDDERS MUST QUOTE FOR 5 YEARS from OEM. Post-warranty Comprehensive Maintenance Contract for another 5 years shall be separately quoted by OEM.

Three handwritten signatures in blue ink are present. The first signature on the left is 'Pallavi'. The middle signature is 'Anil'. The signature on the right is 'P. Kumar'.

S.NO.	Tender Terms/ Specifications	Request for Amendment	Considered/Not Considered
AGILENT			
PUMP	Pressure \geq 400bar	Kindly consider for 600 bar pressure pump instead of 400 Bar	Considered, to analyse wide range of sample types. The specification can be amended to Pressure \geq 600bar
REFRACTIVE INDEX DETECTOR	Drift: 1 X 10 ⁻⁷ or more	Drift: 200 x 10 ⁻⁹ or more	Considered, to attract wide participation and can be amended to 1 X 10 ⁻⁷ or more
	Cell Withstand pressure-2Mpa	Cell pressure: 0.5 Mpa	Considered, as it would not impact instrument functioning and can be amended to 0.5MPa or more
PHOTODIODE ARRAY DETECTOR	No. of Diode element:512	Diode array element: 1024 diodes, latest and most advanced	Considered, as it is latest system and specification can be amended to No. of Diode element:1024
	Noise: 0.6x 10 ⁻⁵ AU	Noise: 0.6x 10 ⁻⁵	Considered
	Cell: Optical wavelength:10mm, capacity: 10uL volume	Cell: 13uL volume, 10mm path length	Considered, to attract wide participation
COLUMN COMPARTMENT	NEW	Columns capacity should be 4 or more	Not considered
	Cooling Method – Electronic cooling	Peltier cooling: faster and more efficient cooling	Not considered
WARRANTY AND COLUMNS	CMC for 5 years	As system warranty has been asked for 5 years and columns are not covered under warranty period, you can add additional	Not considered but we will add a few additional columns

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		columns as per your application interest.	
SHIMADZU			
PUMP	Flow range set points 0.001 – 10 ml/min	Flow range set points 0.0001 – 10 ml/min	Not considered
	Must be having degassing unit	Have degassing unit and Number of degassed solvents Should be 5	Not considered
AUTO SAMPLER	Precision < 30	Precision -RSD: 0.3% max.	Considered for better instrument performance and amended to RSD=<0.3%
	Sample capacity > = 100 for 2ml vials	Sample capacity > = 70 (1.5 mL vials)	Considered, to attract wide participation
	Must be having Thermostat and Temperature range 4 to 40o C	Block cooling/heating, used together with dehumidifying function, 4 to 40°C	Not considered
COLUMN COMPARTMENT	Temperature range 10 – 80 o C	10°C below room temperature to 85°C and have Temperature setting range of 4 to 85°C	Not considered
	NEW	standalone column Compartment Should be Quoted Instead of Integrated Colum Compartment	Not considered
	NEW	Maximum operating flow rate- 20 mL/min	Not considered

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REFRACTIVE INDEX DETECTOR		(150 mL/min with option)	
	NEW	Temperature control of cell unit- 30 to 60°C	Not considered
	NEW	Detector Support- Polarity switching	Not considered
PHOTODIODE ARRAY DETECTOR(PDA)	Wavelength Range : 190-600nm	Wavelength range of 190 nm - 800 nm	Considered for wide applicability
	Linearity : 2.0 AU	Linearity : 2.5AU	Not considered
	No. of Diode elements : 512	Has a 1024 element diode array. Fully temperature-controlled optics, including the optical bench, lamp housing, and flow cell. Monitored and controlled with a standard web browser	Considered, as it is latest system and specification can be amended to No. of Diode element:1024
	Light Source: Deuterium (D2) Lamp,	Light Source: Deuterium (D2) Lamp, Tungsten lamp	Considered for wide applicability
	Digital resolution:1.2nm	Spectral resolution- $\leq \pm 1.4$ nm	Not considered P. Pawar
	Cell: Optical wavelength: 10mm, Capacity: 10 UL ,with stand pressure:12MPa, Cell temperature control range-19 to 50°C, 1°C Step	Cell: Optical wavelength: 10mm, Capacity: 10 UL, with stand pressure:12MPa (Material of wetted parts: SUS316L, PFA, quartz,) Cell temperature control range-19 to 50°C, 1°C Step	Not considered

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	NEW	Linearity : 2.5AU	Not considered
SOFTWARE	NEW	21 CFR COMPLIANCE SOFTWARE	Not considered
COLOUMN	C 18 column (1 No.) (250mmx4.6mmx5u) with guard column, Prepacked HPLC carbohydrate analysis column(1 No) with guard column (Preferred Aminex)	C 18 column (1 No.) (250mmx4.6mmx5u) with guard column, Prepacked HPLC carbohydrate analysis column(1 No) with guard column (Aminex Only)	Considered and additional coloumns will be added in the tender
WARRANTY	CMC (comprehensive warranty) for 5 years	Warranty for 5 years	Not considered

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