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File No.: IITI(MM)/BSBE/116/PRJ/AJ/2025-2026 19/12/2025
GEM/2025/B/6937115

PREBID REPORT

The meeting for Pre-bid discussion was held at **IIT-Indore through online via Google Meet on 11/12/2025 at 03.00 PM onwards** for Custom bid on GeM Portal for **"Supply, Installation and Commissioning of HPLC System"**

The report of the meeting is as mentioned below ***(M/s Agilent Technologies India Pvt. Ltd.)***

Sl. No.	Reference of the Clause/ Page No. of the Tender Document	Query raised by prospective bidder	Response from IITI
Bundelkhand University, Jhansi			
1.	Operable pH range should be 1 to 13	Operable pH range should be 1 to 12.5 – For Wider participation	**Accepted** **Can be read as:** Operable pH range should be 1 to 12.5 or better
2	The system should include intelligent feature that capable of carrying out auto-diagnostic on system status to detect air bubble formation and perform auto-purging to remove air bubble to restore system pressure.	Remove the point – Vendor specific feature	**Non-specific / User Requirement:** The system should include intelligent feature that capable of carrying out auto-diagnostic on system status to detect air bubble formation and perform auto-purging to remove air bubble to restore system pressure.
	2. Quaternary Gradient Solvent Delivery Unit with Degassing Unit:	-	-
3	It should be a Quaternary Low-Pressure Gradient pump & Parallel Double Plunger.	It should be a Quaternary Low-Pressure Gradient pump & Parallel or series Double Plunger.- Equivalent Technology	**Accepted** **Can be read as:** It should be a Quaternary Low-Pressure Gradient pump & Parallel or series Double Plunger. - Equivalent Technology

4	System pressure range should be at least 7000 psi or above.	System pressure range should be at least 5800 psi or above. – Most of the applications are on 5µ columns that will be sufficient.	**No Change / User Requirement:** System pressure range should be at least 7000 psi or above.
5	Flow rate precision should be less than ±0.06% RSD	Flow rate precision should be less than ±0.07% RSD – For Wider participation	**No Change / User Requirement:** Flow rate precision should be less than ±0.06% RSD
6	The Gradient accuracy should be below 0.5% & Gradient precision below 0.1% RSD	The Gradient accuracy should be below 1.0% or Gradient precision below 0.1% RSD	**No Change / User Requirement:** The Gradient accuracy should be below 0.5% & Gradient precision below 0.1% RSD
7	Degassing unit should have 4 lines or above. Degassing for auto sampler rinsing is preferred.	Degassing unit should have 4 lines or above. Degassing for auto sampler rinsing is preferred / optional.	**Accepted** **Can be read as:** Degassing unit should have 4 lines or above. Degassing for auto sampler rinsing is preferred / optional.
	3. Auto-Sample Injector:	-	-
8	The Carry over must be below 0.0025 %	The Carry over must be below 0.004 % against Chlorhexidine.	**No Change / User Requirement:** The Carry over must be below 0.0025 %
9	Temperature setting range should be from 4 to 45° C	Temperature setting range should be from 4 to 40° C	**Accepted** **Can be read as:** Temperature setting range should be from 4 to 40° C
10	Sample capacity -200 vials of 1.5 ml	Sample capacity -100 vials of 1.5 ml	**Accepted** **Can be read as:** Sample capacity -100 vials of 1.5 ml or better
11	Injection Cycle time: 15 sec or less	Injection Cycle time: 20 sec or less	**Accepted** **Can be read as:** Injection Cycle time: 20 sec or better
	4. Column Oven:	-	-
12	It should be forced-air-circulation type for uniform temperature distribution with a quick feedback mechanism to maintain constant temperature level	It should be forced-air-circulation type for uniform temperature distribution with a quick feedback mechanism to maintain constant	**No Change / User Requirement:** It should be forced-air-circulation type for uniform temperature distribution with a quick feedback mechanism to maintain constant temperature level

		temperature level or peltier – Equivalent technology	
13	The temperature control range should be room temp. minus 12°C to 90°C	The temperature control range should be room temp. minus 10°C to 85°C	**No Change / User Requirement:** The temperature control range should be room temp. minus 12°C to 90°C
	5. Photo Diode Array Detector:		
14	Wavelength Range: 190-800 nm	Wavelength Range: 190-950 nm – For Wide range	*Already complying with user requirement*
15	Spectral Resolution: 1.4nm	Spectral Resolution: 1.4nm or better	*Already complying with user requirement*
16	Slit Width: 1.2nm (high resolution mode), 8nm (high sensitivity mode)	Variable Slit Width – For better performance	*Already complying with user requirement*
17	Device Resolution: 0.6nm/pixel	Remove the point – Vendor specific	**No Change / User Requirement:** Device Resolution: 0.6nm/pixel
18	Sample Rate up to 100Hz	Sample Rate up to 120Hz – For better performance	*Already complying with user requirement*
19	Noise level should be <+/- 3 x 10-6 AU	Noise level should be <+/- 0.7 x 10-5 AU or better	**No Change / User Requirement:** Noise level should be <+/- 3 x 10-6 AU
20	Drift: <+/- 500 x 10-6 AU/h	Drift: <+/- 0.9 x 10-3 AU/h	**No Change / User Requirement:** Drift: <+/- 500 x 10-6 AU/h
21	Flow cell-Should be Temperature controlled.	Flow cell- or optical unit Should be Temperature controlled.	**Accepted** **Can be read as:** Flow cell or optical unit should be Temperature controlled.
22	**Detector has to** enable the user to virtually separate two co-eluting or merged peaks, without having chromatographic separation. This feature can be extensively used in impurity profiling.	Remove the point – Vendor specific proprietary	**Non specific / User Requirement:** **Detector has to** enable the user to virtually separate two co-eluting or merged peaks, without having chromatographic separation. This feature can be extensively used in impurity profiling.
23	**Dynamic Range Extension Calculation** – This feature enables	Remove the point – Vendor specific proprietary	**Non specific / User Requirement:**

	the user to extend the detector range beyond the detector's detection limits. This can be profoundly used in Forced degradation studies, where the impurity concentration is very low as compared to the main peak.		**Dynamic Range Extension Calculation** – This feature enables the user to extend the detector range beyond the detector's detection limits. This can be profoundly used in Forced degradation studies, where the impurity concentration is very low as compared to the main peak.
	6 Refractive Index Detector	-	-
24	Range : A mode: 0.01 to 500 µRIU , P and L modes: 1 to 5000 µRIU	Remove the point – Vendor Specific	**Non-specific / Partially accepted** **Can be read as:** Range : A mode: 0.01 to 500 µRIU and optional P and L modes: 1 to 5000 µRIU
25	Drift- <0.1u RIU/hr	Drift- <0.2u RIU/hr	**Non specific / User Requirement:** Drift- <0.1u RIU/hr
26	Temperature control of cell unit - 30 to 60°C	Temperature control of cell unit - 30 to 55°C	**Accepted** **Can be read as:** Temperature control of cell unit - 30 to 55°C
27	Operating flow rate – 10 ml/Min	Operating flow rate – 5 ml/Min	**Non specific / User Requirement:** Operating flow rate – 10 ml/Min or better
28	Cell capacity – 9 µl	Cell capacity – 9 µl or lower	**Non specific / User Requirement:** Cell capacity – 9 µl

The report of the meeting is as mentioned below. ***(M/s Agilent Technologies India Pvt. Ltd.)***

Sl. No.	Reference of the Clause/ Page No. of the Tender Document	Query raised by prospective bidder	Response from IITI
NIT-Kurukshetra			
1.	Operable pH range should be 1 to 13	Operable pH range should be 1 to 12.5 – For Wider participation	**Accepted** **Can be read as:** Operable pH range should be 1 to 12.5 or better

2	The system should include intelligent feature that capable of carrying out auto-diagnostic on system status to detect air bubble formation and perform auto-purging to remove air bubble to restore system pressure.	Remove the point – Vendor specific feature	**Non-specific / User Requirement:** The system should include intelligent feature that capable of carrying out auto-diagnostic on system status to detect air bubble formation and perform auto-purging to remove air bubble to restore system pressure.
	2. Quaternary Gradient Solvent Delivery Unit with Degassing Unit:	-	-
3	It should be a Quaternary Low-Pressure Gradient pump & Parallel Double Plunger.	It should be a Quaternary Low-Pressure Gradient pump & Parallel or series Double Plunger.- Equivalent Technology	**Accepted** **Can be read as:** It should be a Quaternary Low-Pressure Gradient pump & Parallel or series Double Plunger. - Equivalent Technology
4	System pressure range should be at least 7000 psi or above.	System pressure range should be at least 5800 psi or above. – Most of the applications are on 5µ columns that will be sufficient.	**No Change / User Requirement:** System pressure range should be at least 7000 psi or above.
5	Flow rate precision should be less than ±0.06% RSD	Flow rate precision should be less than ±0.07% RSD – For Wider participation	**No Change / User Requirement:** Flow rate precision should be less than ±0.06% RSD
6	The Gradient accuracy should be below 0.5% & Gradient precision below 0.1% RSD	The Gradient accuracy should be below 1.0% or Gradient precision below 0.1% RSD	**No Change / User Requirement:** The Gradient accuracy should be below 0.5% & Gradient precision below 0.1% RSD
7	Degassing unit should have 4 lines or above. Degassing for auto sampler rinsing is preferred.	Degassing unit should have 4 lines or above. Degassing for auto sampler rinsing is preferred / optional.	**Accepted** **Can be read as:** Degassing unit should have 4 lines or above. Degassing for auto sampler rinsing is preferred / optional.
	3. Auto-Sample Injector:	-	-
8	The Carry over must be below 0.0025 %	The Carry over must be below 0.004 % against Chlorhexidine.	**No Change / User Requirement:** The Carry over must be below 0.0025 %

9	Temperature setting range should be from 4 to 45° C	Temperature setting range should be from 4 to 40° C	**Accepted** **Can be read as:** Temperature setting range should be from 4 to 40° C
10	Sample capacity -200 vials of 1.5 ml	Sample capacity -100 vials of 1.5 ml	**Accepted** **Can be read as:** Sample capacity -100 vials of 1.5 ml or better
11	Injection Cycle time: 15 sec or less	Injection Cycle time: 20 sec or less	**Accepted** **Can be read as:** Injection Cycle time: 20 sec or better
	4. Column Oven:	-	-
12	It should be forced-air-circulation type for uniform temperature distribution with a quick feedback mechanism to maintain constant temperature level	It should be forced-air-circulation type for uniform temperature distribution with a quick feedback mechanism to maintain constant temperature level or peltier – Equivalent technology	**No Change / User Requirement:** It should be forced-air-circulation type for uniform temperature distribution with a quick feedback mechanism to maintain constant temperature level
13	The temperature control range should be room temp. minus 12°C to 90°C	The temperature control range should be room temp. minus 10°C to 85°C	**No Change / User Requirement:** The temperature control range should be room temp. minus 12°C to 90°C
	5. Photo Diode Array Detector:		
14	Wavelength Range: 190-800 nm	Wavelength Range: 190-950 nm – For Wide range	*Already complying with user requirement*
15	Spectral Resolution: 1.4nm	Spectral Resolution: 1.4nm or better	*Already complying with user requirement*
16	Slit Width: 1.2nm (high resolution mode), 8nm (high sensitivity mode)	Variable Slit Width – For better performance	*Already complying with user requirement*
17	Device Resolution: 0.6nm/pixel	Remove the point – Vendor specific	**No Change / User Requirement:** Device Resolution: 0.6nm/pixel
18	Sample Rate up to 100Hz	Sample Rate up to 120Hz – For better performance	*Already complying with user requirement*

19	Noise level should be <+/- 3 x 10-6 AU	Noise level should be <+/- 0.7 x 10-5 AU or better	**No Change / User Requirement:** Noise level should be <+/- 3 x 10-6 AU
20	Drift: <+/- 500 x 10-6 AU/h	Drift: <+/- 0.9 x 10-3 AU/h	**No Change / User Requirement:** Drift: <+/- 500 x 10-6 AU/h
21	Flow cell-Should be Temperature controlled.	Flow cell- or optical unit Should be Temperature controlled.	**Accepted** **Can be read as:** Flow cell or optical unit should be Temperature controlled.
22	**Detector has to** enable the user to virtually separate two co-eluting or merged peaks, without having chromatographic separation. This feature can be extensively used in impurity profiling.	Remove the point – Vendor specific proprietary	**Non specific / User Requirement:** **Detector has to** enable the user to virtually separate two co-eluting or merged peaks, without having chromatographic separation. This feature can be extensively used in impurity profiling.
23	**Dynamic Range Extension Calculation** – This feature enables the user to extend the detector range beyond the detector's detection limits. This can be profoundly used in Forced degradation studies, where the impurity concentration is very low as compared to the main peak.	Remove the point – Vendor specific proprietary	**Non specific / User Requirement:** **Dynamic Range Extension Calculation** – This feature enables the user to extend the detector range beyond the detector's detection limits. This can be profoundly used in Forced degradation studies, where the impurity concentration is very low as compared to the main peak.

The report of the meeting is as mentioned below. ***(M/s Agilent Technologies India Pvt. Ltd.)***

Sl. No.	Reference of the Clause/ Page No. of the Tender Document	Query raised by prospective bidder	Response from IITI
Vikram University, Ujjain			
1.	Operable pH range should be 1 to 13	Operable pH range should be 1 to 12.5 – For Wider participation	**Accepted** **Can be read as:** Operable pH range should be 1 to 12.5 or better
2	The system should include intelligent feature that capable of carrying out auto-diagnostic on system status to detect air bubble	Remove the point – Vendor specific feature	**Non-specific / User Requirement:** The system should include intelligent feature that capable of carrying out auto-diagnostic on system status to detect air bubble

	formation and perform auto-purging to remove air bubble to restore system pressure.		formation and perform auto-purging to remove air bubble to restore system pressure.
	2. Quaternary Gradient Solvent Delivery Unit with Degassing Unit:	-	-
3	It should be a Quaternary Low-Pressure Gradient pump & Parallel Double Plunger.	It should be a Quaternary Low-Pressure Gradient pump & Parallel or series Double Plunger.- Equivalent Technology	**Accepted** **Can be read as:** It should be a Quaternary Low-Pressure Gradient pump & Parallel or series Double Plunger. - Equivalent Technology
4	System pressure range should be at least 10,000 psi or above.	System pressure range should be at least 5800 psi or above. – Most of the applications are on 5µ columns that will be sufficient.	**No Change / User Requirement:** System pressure range should be at least 10,000 psi or above.
5	Flow rate precision should be less than ±0.06% RSD	Flow rate precision should be less than ±0.07% RSD – For Wider participation	**No Change / User Requirement:** Flow rate precision should be less than ±0.06% RSD
6	The Composition accuracy should be below 0.5% & Composition precision below 0.1% RSD	The Gradient accuracy should be below 1.0% or Gradient precision below 0.1% RSD	**No Change / User Requirement:** The Composition accuracy should be below 0.5% & Composition precision below 0.1% RSD
7	Degassing unit should have 4 lines or above. Degassing for auto sampler rinsing is preferred.	Degassing unit should have 4 lines or above. Degassing for auto sampler rinsing is preferred / optional.	**Accepted** **Can be read as:** Degassing unit should have 4 lines or above. Degassing for auto sampler rinsing is preferred / optional.
	3. Auto-Sample Injector:	-	-
8	The Carry over must be below 0.0025 %	The Carry over must be below 0.004 % against Chlorhexidine.	**No Change / User Requirement:** The Carry over must be below 0.0025 %
9	Temperature setting range should be from 4 to 40° C	Temperature setting range should be from 4 to 40° C	*Already complying with user requirement*
10	Sample capacity -200 vials of 1.5 ml	Sample capacity -100 vials of 1.5 ml	*These points are not mentioned in required Technical Specification for Vikram University, Ujjain*
11	Injection Cycle time: 15 sec or less	Injection Cycle time: 20 sec or less	

	4. Column Oven:	-	-
12	It should be forced-air-circulation type for uniform temperature distribution with a quick feedback mechanism to maintain constant temperature level	It should be forced-air-circulation type for uniform temperature distribution with a quick feedback mechanism to maintain constant temperature level or peltier – Equivalent technology	**No Change / User Requirement:** It should be forced-air-circulation type for uniform temperature distribution with a quick feedback mechanism to maintain constant temperature level
13	The temperature setting range should be ambient 4°C to 85°C	The temperature control range should be room temp. minus 10°C to 85°C	*Already complying with user requirement*
	5. Photo Diode Array Detector:		
14	Wavelength Range: 190-800 nm	Wavelength Range: 190-950 nm – For Wide range	*Already complying with user requirement*
15	Spectral Resolution: 1.4nm	Spectral Resolution: 1.4nm or better	*Already complying with user requirement*
16	Slit Width: 1.2nm (high resolution mode), 8nm (high sensitivity mode)	Variable Slit Width – For better performance	*Already complying with user requirement*
17	Device Resolution: 0.6nm/pixel	Remove the point – Vendor specific	**No Change / User Requirement:** Device Resolution: 0.6nm/pixel
18	Sample Rate up to 100Hz	Sample Rate up to 120Hz – For better performance	*Already complying with user requirement*
19	Noise level should be <+/- 3 x 10-6 AU	Noise level should be <+/- 0.7 x 10-5 AU or better	**No Change / User Requirement:** Noise level should be <+/- 3 x 10-6 AU
20	Drift: <+/- 500 x 10-6 AU/h	Drift: <+/- 0.9 x 10-3 AU/h	*This point is not mentioned in required Technical Specification for Vikram University, Ujjain*
21	Flow cell-Should be Temperature controlled.	Flow cell- or optical unit Should be Temperature controlled.	**Accepted** **Can be read as:** Flow cell or optical unit should be Temperature controlled.
22	**Detector has to** enable the user to virtually separate two co-eluting or merged peaks, without having	Remove the point – Vendor specific proprietary	**Non specific / User Requirement:** **Detector has to** enable the user to virtually separate two co-eluting or

	chromatographic separation. This feature can be extensively used in impurity profiling.		merged peaks, without having chromatographic separation. This feature can be extensively used in impurity profiling.
23	**Dynamic Range Extension Calculation** – This feature enables the user to extend the detector range beyond the detector's detection limits. This can be profoundly used in Forced degradation studies, where the impurity concentration is very low as compared to the main peak.	Remove the point – Vendor specific proprietary	*This point is not mentioned in required Technical Specification for Vikram University, Ujjain*
	6 Refractive Index Detector		
24	Range : A mode: 0.01 to 500 µRIU , P and L modes: 1 to 5000 µRIU	Remove the point – Vendor Specific	**Non-specific / Partially accepted** **Can be read as:** Range : A mode: 0.01 to 500 µRIU and optional P and L modes: 1 to 5000 µRIU
25	Drift- <0.1u RIU/hr	Drift- <0.2u RIU/hr	**Non specific / User Requirement:** Drift- <0.1u RIU/hr
26	Temperature control of cell unit - 30 to 60°C	Temperature control of cell unit - 30 to 55°C	**Accepted** **Can be read as:** Temperature control of cell unit - 30 to 55°C
27	Operating flow rate – 10 ml/Min	Operating flow rate – 5 ml/Min	**Non specific / User Requirement:** Operating flow rate – 10 ml/Min or better
28	Cell capacity – 9 µl	Cell capacity – 9 µl or lower	**Non specific / User Requirement:** Cell capacity – 9 µl
29	Wavelength accuracy – 2nm or better	Wavelength accuracy – 3nm or better	**Non specific / User Requirement:** Wavelength accuracy – 3nm or better

All prospective/willing bidders are requested to take note of this report as part of the Tender document. All other terms and conditions of the tender remain unchanged.

Assistant Registrar (R&D MMS)

सहायक कुलसचिव
(अनुसंधान एवं विकास सामग्री प्रबंधन विभाग)
Assistant Registrar
R&D Material Management Section)