



# INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI GUWAHATI- 781039, ASSAM

Phone-0361-2582153/2154/2155

## CORRIGENDUM

Ref. No. IITG/IISI/22-23/T11

Tender ID: 2023\_IITGW\_699112\_1

With reference to the above-mentioned tender notice, the following amendment is issued.

Sr. No.	Main component	Detailed specifications
1.	Gas Chromatography	<ul style="list-style-type: none"><li>GC with FID &amp;TCD Detectors along with original licensed windows-based software. GC must be capable to accommodate at least four detectors &amp; two injectors in working conditions simultaneously. Instrument should be capable of Retention time locking. System should have EPC control in all inlets and detectors.</li></ul>
2.	Column Oven	<ul style="list-style-type: none"><li>Capable of housing at least two columns; operating temperature range: Upto 400 °C or more.</li><li>Temperature Programming Ramps: 20 or more.</li><li>Temperature setpoint resolution 0.1-degree C or more.</li></ul>
3.	Pneumatics	<ul style="list-style-type: none"><li>System must have pneumatic Electronic Flow Control for all injectors &amp; detectors. Pressure precision should be as good as 0.001 p.s.i</li></ul>
4.	Split Split-less Capillary Inlet	<ul style="list-style-type: none"><li>Split/split less capillary port</li><li>Temperature: 450 °C or more</li><li>Fully EPC</li><li>Split ratio: 12000: 1 or more</li><li>Pressure setting range 0–150 psi</li></ul>
5.	Flame Ionization detector (FID)- 1 no.	<ul style="list-style-type: none"><li>Electronic pressure and flow control of all gases</li><li>Maximum temperature: 400 °C or more</li><li>Minimum Detectivity: 1.2 pg C/sec or less</li><li>Data acquisition rate up to 50 Hz</li><li>Linear dynamic range: 10<sup>7</sup></li></ul>
6.	Thermal Conductivity Detector (TCD)- 2 nos.	<ul style="list-style-type: none"><li>Maximum temperature: 400 °C or more</li><li>Minimum Detection level 400 pg tridecane/ml or better</li><li>Linear dynamic range: 10<sup>5</sup></li></ul>
7.	Software	<ul style="list-style-type: none"><li>Original window-based software with license</li></ul>
8.	Accessories	<ul style="list-style-type: none"><li>Once capillary column for C1 to C3 isomers and alkanes to C12, CO<sub>2</sub>, methane, air/CO, oxygenated compounds, sulfur compounds and solvents. It should be at least 30-meter length.</li><li>One capillary column for non-condensable Gases in C2 and Lighter Hydrocarbon Products. It should be at least 30-meter length.</li><li>6-Port Valve - Gas Sampling Valve.</li><li>SVO Heated, automated valve box 2 valves</li><li>Install Kit for GCs w/out Gas Purifiers</li><li>0.530 mm id Cap Column to Valve Kit</li><li>0.320 mm id Cap Column to Valve Kit</li></ul>
9.	Computer	8 <sup>th</sup> generation Intel® Core i7 processor; Genuine Windows® 10 (English); 8 GB RAM, 1TB hard disk; 24 inches LED Monitor; DVD – RW; Wireless Keyboard and Mouse; MS Office with license
10.	Warranty	24 months comprehensive from the date of successful installation without any additional cost to the purchaser. In addition, AMC charges from 3 <sup>rd</sup> year onwards should be quoted.
<b>Price must be DAP IIT Guwahati with vendors insurance.</b>		
11.	Transportation and Insurance:	All aspects of safe delivery till installation and commissioning, including loading and unloading of items at different location, till its safe transfer to the site of installation at IIT Guwahati shall be the full responsibility of the vendor. The package will be opened only in the presence of IIT Guwahati user/representative and vendor representative. The supplier is to establish 'All Risk Transit Insurance' coverage till the installation site at IIT Guwahati.

	Service and support:	The vendor must be capable of providing very comprehensive and fast response service during the warranty and thereafter AMC period. Hand-on/factory trained and certified service engineers should attend the equipment. The documentation supporting above should be provided. Service response time requiring visit of service engineer must be within 3 days of breakdown and for major breakdown requiring hardware changeover must be within 14 working days.
	Delivery of items and installation	In case the item is not delivered or installed within the stipulated time mentioned in the purchase order, the supplier is liable for a penalty deduction as per the institute guidelines.

**Sd/-  
JR(S&P)**