

File Ref. No. PUR/IICT/DMS/0814/24-25
CPPP Tender ID : 2024_CSIR_204996_1

Dt: 22-08-2024

Minutes of Pre-Bid Conference (PBC) held on 22-08-2024 for proposed procurement of "Supply, installation and commissioning of "Advanced Gas Chromatography Equipment - 1 No."

Chairpersons / Members of the Technical Sub Committee (TSC) present during PBC including domain experts present during PBC:-

1. Dr. N.Lingaiah, Chairman
2. Dr.PratyayBasak, Member
3. Dr.G.Jithender Reddy, Member
4. Sri. D. Venkateswara Rao, Member
5. Dr.SreepriyaVedantam, Member
6. IO Dr. B. Vijaya Thomas
7. PL. Dr. L. Ravitej Singh

Representatives of the following firm attended the PBC:

1. M/s Agilent Technologies (International) pvt ltd., Singapore.
2. M/s Scion Instruments, Netherlands

The following points were discussed during the PBC:

Query raised by M/s. Agilent Technologies , and response of CSIR-IICT:

Query-1: Oven temperature it is mentioned +5 to 400 °C?

Response: It is been corrected as ambient +5 to 400 °C

Query raised by M/s. , Scion Instruments , and response of CSIR-IICT:

Query-1: It is mentioned that two FID detectors and one spare FID detector?

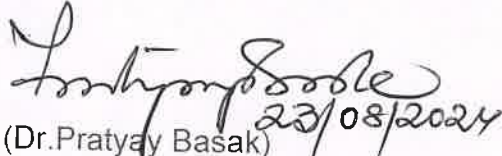
Response: Two units of FID detectors installed on GC unit and would be supplied a spare one.

Query-2: Spare unit of FID detector should be only FID part or complete set?

Response: Spare FID detector should be quoted with complete set with all the accessories.

Points clarified by CSIR-IICT Team during PBC:

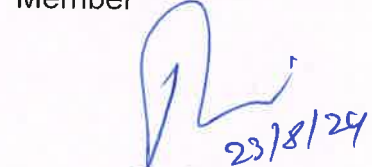
The representatives of the participating firm/further informed that they do not have any issue or suggestion with respect to other points of tendered specifications and related requirements given in the tender document. Participating bidders have been informed that points raised by them during PBC will be examined by CSIR-IICT's **Technical Sub Committee (TSC)/Technical team** constituted for the purpose of procurement of said equipment and **post PBC changes** in tendered specifications and requirements to be agreed after due consideration of the same by TSC, **if any**, will be uploaded in **CPPP** as part of **revised/amended tendered specifications** along with CSIR-IICT website www.iict.res.in on or before 27.08.24 All bidders are requested kindly to take a note of the changes, if any, in tendered specifications subsequent to **PBC** held today, i.e. 23-07-2024 before they start submitting their online bids through CPPP.



(Dr. Pratyay Basak) 23/08/2024
Member


(Dr. Jithender Reddy) 23/08/24
Member


(Sri. D. Venkateswara Rao) 23/8/24
Member


(Dr. B. Vijaya Thomas) 23/08/24
IO


(. Dr. L. Ravitej Singh) 23/8/24
PL

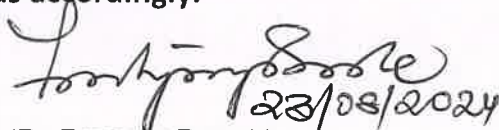

(Dr. N. Lingaiah) 23/8/2024
Chairperson

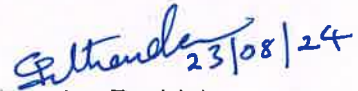
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The following changes has been made in tendered specification subsequent to PBC held on 22.08.2024

S. No.	Existing Specifications	Revised/Amended Specifications
1	1. a)Oven temperature +5 to 400°C and more.	1. a)Oven temperature ambient +5 to 400°C and more.
2	4. a) FID – Two FID should be accommodate on GC and one spare FID set is required.	4. a) FID – Two FID should be accommodate on GC and one spare FID with electronic gas controller (Complete set) set is required.

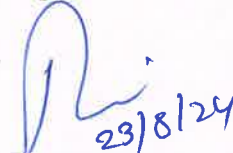
All the other tender terms remains unchanged. Bidders may please submit their bids accordingly.

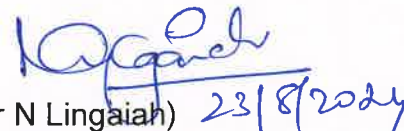

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(Dr. N. Lingaiah)
Chairperson

Subsequent to PBC, the "revised/amended" specifications under chapter 4 for the tendered Advanced Gas Chromatography unit with ID no: 2024_CSIR_204996_1 are as of the tender documents specification Advance gas chromatography (PUR/IICT/0814/24-25/EQPT).

<p>Gas Chromatography System (GC) equipped with two Flame Ionization Detector (FID) for gas/liquid sample analysis with all the standard accessories and two capillary inlets. The Gas Chromatograph system should be controlled by latest software for accurate control of pressure/flow settings of inlets and detectors.</p>	<p>a) The Gas Chromatograph system should be controlled by software for accurate control of pressure/flow settings of inlets and detectors. b) GC system with two split/split less injection ports with all electronic flow controllers to control all gases. c) The system should be compatible for helium, hydrogen and nitrogen carrier gases. d) GC model number along with the design/schematic diagram of quoted GC should be provided in a standard brochure. e) All the parts of the GC system with part /serial numbers should be included in the quotation.</p>
<p>1.GC system</p>	<p>a)Oven temperature ambient +5 to 400°C and more. b) Number of Ramps: 9 ramps or more. c) Fast cooling from 300 to 50°C in less than 6 min or better d) Temperature set point resolution 1 °C or better.</p>
<p>2.Column oven</p>	<p>a) Two capillary Split/Splitless injector with electronic gas controller. i) GC Injector temperature, ambient to 400° C ii) Pressure range up to 6 bar</p>
<p>3.Injectors</p>	<p>a) FID – Two FID should be accommodate on GC and one spare FID electronic gas controller (Complete set) set is required. b) Linear Dynamic Range: 10⁷ c) FID Ignition: Automatic flame ignition d) Operating temperature: 400 °C</p>
<p>4.Detector Flame Ionization Detector (FID)</p>	<p>e) Much have electronically software control for make-up, H2 and air flows f) Minimum Detectable Level (MDL): ≤1.2 pg C/s</p>
<p>5.Software</p>	<p>Original suitable Chromatography Management Software with license should be quoted for instrument control, data acquiring & processing with perpetual support.</p>
<p>6.PC & Printer</p>	<p>Computer with suitable i7, 8th Gen. (or higher). 2 TB HDD, original Window 10 or latest with license,</p>

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	16GB RAM, 21.5 inch display (or more), Wireless Mouse and Keyboard, DVD-RW processor and auto-duplex printer with scanning facility (multi-functional) compatible with the instrument.
7. Consumables	<p>a) Required spares/consumables for smooth running of instrument for a period of 2 years and also six set of capillary nuts with three packs of ferrules in addition.</p> <p>b) Two numbers of Non-polar polysiloxane column with 100% Dimethylpolysiloxane. (Dimensions: Length: 25m x Dia: 0.20mm. Film thickness: 0.33µm, temperature -60 to 350 °C)</p> <p>c) Digital gas flow meter, tool kit for the GC unit and soap solution should be provided.</p>
8. Warranty	Three years of comprehensive warranty with preventive maintenance twice in a year.

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