File Ref. No. PUR/IICT/DMS/533/RE/23-24 CPPP Tender ID: 2023\_CSIR\_177951\_1 Dt: 22-12-2023

Minutes of Pre-Bid Conference (PBC) held on 22-12-2023 for proposed procurement of "SUPPLY INSTALLATION COMMISSIONING OF MICRO GC" –

# <u>Chairpersons / Members of the Technical Sub Committee (TSC)</u> present during PBC including domain expertspresent during PBC:-

- 1. Dr N Lingaiah Chairman
- 2. Dr. Pratyay Basak, Member
- 3. Dr. Jithender Reddy, Member
- 4. Dr Sreepariya Vedantam, Member
- 5. Shri D Venkateshwar Rao, Member
- 6. IO/PL Dr. C. Sumana

#### Representatives of the following firm attended the PBC:

- 1. M/s. Camtek Labs, Uppal, Hyderabad
- 2. M/s
- 3. M/s
- 4. M/s
- 5. M/s

#### The following points were discussed during the PBC:

### Query raised by M/s. Camtek Labs, and response of CSIR-IICT:

Query-1: Request to amend the specs as shown in the table below

S.No.	Parameter	IICT spec	M/s.Camtek Labs request	IICT response
1	Injector	Variable Injection Volume (1-20uL)	We request u to modified as 1-10 uL	Agreed
2	Sampling	Independent SS valco (heated 300oC) 1/16" gas sampling valves with replaceable SS filters and electronic actuator compatible with TCD detectors	Built in stainless steel Valco fitting with replaceable 5 µm stainless steel filter and electronic actuator compatible with TCD detectors.	Agreed

#### Points clarified by CSIR-IICT Team during PBC:

The firm informed that they do not have problem with other points of tendered specifications and requirements. Participating bidders have been informed that points raised by them during PBC will be examined by CSIR-IICT's **Technical Sub Committee (TSC)** 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

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by TSC, if any, will be uploaded in CPPP as part of revised/amended tendered specifications.

Minutes of the PBC with changes agreed (if any) will be uploaded in due course at CPPP for information and reference of prospective bidders on or before 29-12-2023. All bidders are requested kindly to take a note of changes in tendered specifications subsequent to PBC held today, i.e. 22-12-2023 before they start submitting their online bids through CPPP. Fortganosole Geltierele (Dr Jithender Reddy) (Dr Sreepriya Vedantam)

Member

Member

Member

Member

(Dr. Dr N Lingaiah

Chairperson

## Revised Specifications/Corrigendum

File Ref. No. PUR/IICT/DMS/533/RE/23-24

Dt 22.12.2023

Spec No. 5

Injector: Variable injection volume (1-10  $\mu$ L)

Spec No. 12

Sampling: Built in stainless steel Valco fitting with replaceable 5 µm stainless steel filter and electronic actuator compatible with TCD detectors.

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

Member

Member

Member

Member

Chairperson

# TECHNICAL SPECIFICATIONS OF MICRO GC (Revised)

	S.No	Parame	eter TECHNICAL SPECIFICATIONS OF MICRO GC (Revised)
	1	Sample	
		Analysis T	ime minutes minutes minutes must be to the minutes min
			Scenario 1: CO2 concentrati
	2	Analysis Specification	ons Scenario 3: Multiple and Scenario 3: Multi
-	3 Configuration		Scenario 3: Multiple gas concentrations in a gaseous mixture of CO <sub>2</sub> (0.1-In all scenarios RSD must be less than 0.5%
-  -	3	Configuration	C <sub>2</sub> H <sub>4</sub> , C <sub>3</sub> H <sub>2</sub>
	4	Control	independent controls for and
	5	Injector	Software controllable injection volume (1-10 µL)
	6 (	Oven	Temperature Range: Ambi
	7 (	Columns	2 independent columns (5.10 independent colu
	8 C	arrier Gas	1) and (b) CO <sub>2</sub> , CH <sub>4</sub> , C <sub>2</sub> H <sub>6</sub> , C <sub>2</sub> H <sub>4</sub> , C <sub>2</sub> H <sub>2</sub> (column 2)  Capable to handle input carrier gases such as H <sub>2</sub> , N <sub>2</sub> , He and Ar (540-560 kPa)  Two independent
9		etectors	1 TO HUCDENGENT Micro
10	D Do	etection mits	1 1-2 ppm and May 1000/
11	Re	peatability	For any of the following gases (CH <sub>4</sub> , CO <sub>2</sub> , CO, H <sub>2</sub> , and N <sub>2</sub> )  Retention time repeatability: $\leq 0.001$ min  at constant
12	0	Sampling	Built in stainless steel Value Constant
12	Sai		Sample injection the
13	Sofi	tware	Compatible software for micro-GC data acquisition, analysis and story
14		onal	AMD-Ryzen 9 or Intel Lo 200 of cost for the quoted version
15	Print		- Mdows, MS-Office - , COB 5.2 Front/Back
16	1	anty	Laser Jet printer
			The warranty period should be a minimum of 2 year  The equipment and software the state of the s
17	Insta Demo	llation and	The equipment and software should be installed at CSIR-IICT and tested to meet the specifications free of cost.  Tool kit for regular operation and maintenance should be provided

