

Minutes of Pre-Bid Conference (PBC) held on 23-11-2023 for proposed procurement of  
"Microwave based Automated Peptide Synthesis" –

**Chairpersons / Members of the Technical Sub Committee (TSC) present during PBC**

**including domain experts present during PBC:-**

1. Dr N Lingaiah Chairman
2. Dr. Jithender Reddy, Member
3. Dr Sreepriya Vedantam, Member
4. Shri D Venkateshwar Rao, Member
5. IO/PL – Dr. Debabrata Maity

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

1. M/s Biotage India
2. Lab India Analytical Instruments Pvt. Ltd

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

**Query raised by M/s. Biotage India and response of CSIR-IICT:**

Query-1: **Software/Interface:** System should be controlled through either laptop or desktop PC and touchscreen

Response: Agreed

Query-2: **Software/Interface:** This system should be able to add at least 27 or more amino acid of 120 mL or more volume vessels automatically all the steps like deprotection, coupling, and washing should be done automatically.

Response: M/s Biotage India requested for amino acid vessel volume of 50mL and more, but the committee didn't agree. However, the vessel volume is revised to 120 mL and more.

*↳ as IICT has active collaboration with industry and look for large scale synthesis.*

Query-3: **Software/Interface:** System must have facility to synthesize peptide up to 2 mmol scale or more

Response: Agreed

*Blank  
29/11/2023*

Query-4: **Temperature Range:** System should have temperature range of ambient to 100 °C or more, should have suitable means like fibre optic probe or IR to measure accurate & precise temperature of the reaction.

Response: Agreed

Query-5: **Reactors:** To conduct solid phase peptide synthesis following reactors must be offered

- i- 30 mL, or more: 3 Nos of Reactors
- ii- 50 mL or more: 1 No
- iii- 125 mL or more: 1 no

Response: Agreed

Query-6: Temperature Sensing: Should have temperature measurement by means of fibre optic temperature sensor. Other means of temperature sensor will not be acceptable. 3 nos of Fiber optic temperature sensor to be offered.

This specification can be removed.

Response: Agreed

Query-7: Amino acid bottles position: 27 or more, Volume: 120 ml or more, 2 sets to be offered.

Response: Agreed

Query-8: Nitrogen Supply not required.

Response: Agreed

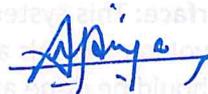
**Points clarified by CSIR-IICT Team during PBC:**

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 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 **29.11.2023**. All bidders are requested kindly to take a note of changes in tendered specifications subsequent to PBC held today, i.e. 23-11-2023 before they start submitting their online bids through **CPPP**.



(Dr Jithender Reddy)

Member



(Dr Sreepriya Vedantam)

Member



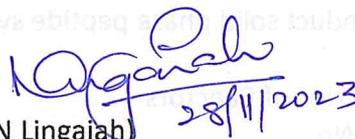
(D Venkateshwar Rao)

Member



(Dr. Debabrata Maity)

IO/PL



(Dr. N Lingaiah)

Chairperson

Revised Specifications/Corrigendum

File Ref. No. PUR/IICT/DMS/1071/23-24

Dt. 23.11.2023

Sr. No.	Original Specifications	Revised Specifications
2.	System should be controlled through either laptop or desktop PC. Suitable software for operation should be offered in the main quotation. Software should have following features:	System should be controlled through laptop/desktop PC/touchscreen. Suitable software for operation should be offered in the main quotation. Software should have following features:
2A	This system should be able to add at least 27 or more amino acid of 125 mL or more volume vessels automatically all the steps like deprotection, coupling, and washing should be done automatically.	This system should be able to add at least 27 or more amino acid of 120 mL or more volume vessels automatically all the steps like deprotection, coupling, and washing should be done automatically.
2C	System must have facility to synthesize peptide up to 5 mmol scale.	System must have facility to synthesize peptide up to 2 mmol scale or more.
4	Temperature Range System should have temperature range of ambient to 100 °C or more, should have suitable means like fibre optic probe or other technique to measure accurate & precise temperature of the reaction.	Temperature Range System should have temperature range of ambient to 100 °C or more, should have suitable means like fibre optic probe or IR to measure accurate & precise temperature of the reaction.
6	Reactors: To conduct solid phase peptide synthesis following reactors must be offered i- 35 mL, or more: 3 Nos of Reactors ii- 50 mL or more: 1 No iii- 125 mL or more: 1 no	Reactors: To conduct solid phase peptide synthesis following reactors must be offered i- 30 mL, or more: 3 Nos of Reactors ii- 50 mL or more: 1 No iii- 125 mL or more: 1 no
7	Temperature Sensing: Should have temperature measurement by means of fibre optic temperature sensor. Other means of temperature sensor will not be acceptable. 3 nos of Fiber optic temperature sensor to be offered.	Removed
8	Amino acid bottles position: 27 or more, Volume: 125 ml or more, 2 sets to be offered.	Amino acid bottles position: 27 or more, Volume: 120 ml or more, 2 sets to be offered.
9	Other requirements i. Nitrogen supply and five kVA UPS for 30 minutes ii. Backup has to be provided with the system.	Other requirements iii. Five kVA UPS for 30 minutes iv. Backup has to be provided with the system.

One year warranty and consumables should be provided like O rings etc.	One year warranty and consumables should be provided like O rings etc.
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All the other tender terms remains unchanged. Bidders may please submit their bids accordingly.

2	System should be controlled through either laptop or desktop PC. Suitable software for operation should be offered in quotation.	System should be controlled through laptop/desktop PC. Suitable software for operation should be offered in quotation.
(Dr Jithender Reddy)	(Dr Sreepriya Vedantam)	
2A	This system should be able to add at least 27 or more amino acid of 120 ml. All the steps like deprotection, coupling, and washing should be done automatically.	This system should be able to add at least 27 or more amino acid of 120 ml. All the steps like deprotection, coupling, and washing should be done automatically.
Member	Member	
(D Venkateshwar Rao)	(Dr. Debabrata Maity)	
4	System should have temperature range of ambient to 100 °C or more, should have suitable means like fibre optic probe or IR to measure accurate & precise temperature of the reaction.	System should have temperature range of ambient to 100 °C or more, should have suitable means like fibre optic probe or IR to measure accurate & precise temperature of the reaction.
Member	IO/PL	
(Dr N Lingaiah)		
5	Reactor To conduct solid phase peptide synthesis following reactors must be offered i- 35 ml. or more; 3 Nos of Reactors ii- 50 ml. or more; 1 No iii- 125 ml. or more; 1 no	Reactor To conduct solid phase peptide synthesis following reactors must be offered i- 35 ml. or more; 3 Nos of Reactors ii- 50 ml. or more; 1 No iii- 125 ml. or more; 1 no
Chairperson		
7	Temperature sensing: should have temperature measurement by means of fibre optic temperature sensor. Other means of temperature sensor will not be acceptable. 3 nos of fibre optic temperature sensor to be offered.	Temperature sensing: should have temperature measurement by means of fibre optic temperature sensor. Other means of temperature sensor will not be acceptable. 3 nos of fibre optic temperature sensor to be offered.
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