

**Sub: Construction of Animal Bio-Safety Level-3 (ABSL3) Facility at inStem, Bengaluru-560065 - HVAC & BMS Works – Minutes of Pre-Bid Meeting.**

1. Pre-bid Meeting was held on 24.04.2023 at inStem, as scheduled, at 1530 hrs and four contractors' representatives participated in the meeting. Following members were present for the meeting:

SI	inStem Representatives	
a.	Dr. Arjun Guha	Chair - Tender Committee, inStem
b.	Sh. Rajesh R	I/C- Senior Engineer, Tender Committee, inStem
c.	Sh. Madhu Chandan Roy	Accounts Officer, Member-Tender Committee, inStem
d.	Sh. Avinash Kumar K	STO(INS), Member-Tender Committee, inStem
e.	Sh. M Thiyagarajan	STO(HVAC), Member Secretary-Tender Committee, inStem
SI	Representative from Contractors	
f.	Sh. T Elavazhagan	M/s Labinnovision
g.	Sh. Aswani Chauhan	M/s Dyna Filters Pvt Ltd
h.	Sh. Venkatesh N	M/s SM Enterprises
i.	Sh. P Jadhav	M/s CSK-Bio Projects Pvt Ltd

2. The Contractors were briefed about the following:

- Brief Scope of work of HVAC & BMS
- Design aspects, Facility layout & Zoning, Equipment Orientation, Air Distribution, Chilled Water routing and tender drawing details.
- Schedule F inter-alia Payment Terms
- Documents in support of eligibility
- Method of submission of tender

3. The queries raised by the contractors and reply given are appended below:

SI	Query	Raised By	Reply
a.	Recovery of Electricity charges	M/s SM Enterprises	Pls be guided by tender document. Electricity charges will be recovered as per tender conditions.
b.	Whether any technical proposal is to be submitted along with technical bid.	M/s CSK Bio Projects Pvt Ltd	Pls be guided by tender document. There is no need of submission of technical proposal. Unconditional bid, with duly signed by authorized signatory, accepting tender conditions is to be submitted.

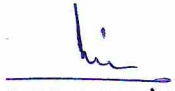


inStem

c.	Extension of tender submission time	M/s Dyna Filters Pvt Ltd	No other contractor has requested for extension of time and agreed to submit the tender by stipulated date & time. Tender submission date shall remain unchanged.
d.	Whether standalone BMS is considered	M/s SM Enterprises	Pls be guided by tender document. Standalone BMS is considered.
e.	Design chilled water temperature considered?	M/s CSK Bio Projects Pvt Ltd	Pls be guided by tender document. Design coil inlet chilled water temp: 50° F Design coil outlet chilled water temp: 55° F Cooling coil design shall be undertaken considering the same.
f.	Whether Plug Fans can be considered for AHU	M/s CSK Bio Projects Pvt Ltd	Pls be guided by tender document. Plug fans may also be considered provided meeting requisite noise criterion.
g.	Onus of responsibility in case failure to achieve desired pressure differentials/ indoor conditions.	M/s CSK Bio Projects Pvt Ltd	Pls be guided by tender document. Contractor is responsible to fulfill the technical requirement given in the tender and prove the parameters as per his scope of work. Other fields shall take their responsibility accordingly.
h.	Whether humidifier shall be internally or externally installed	M/s CSK Bio Projects Pvt Ltd	Pls be guided by tender document. Externally installed ultrasonic humidifiers shall be considered which is part of AHU BOQ item.
i.	About Noise Criterion	M/s SM Enterprises	Pls be guided by tender document. NC35 shall be achieved as indicated in tender document

4. Further, the Contractors have been advised to submit the tender as per stipulated timelines.

5. It is certified that no members of this Committee are having any personal interest in any Contractors.

  
STO(HVAC)

  
STO(INS)

  
Accounts Officer

  
I/C-Senior Engineer

  
Chair  
25/4/23