

Corrigendum
Pre Bid Meeting Clarifications

After careful review of technical specification and points raised by potential bidders during pre-bid meeting, committee recommends following change in specifications and remaining specifications remains unchanged:

1. **SPECIFICATION NO.20: Comprehensive warranty:**
THE BIDDERS MUST QUOTE FOR 5 YEARS from OEM. Post-warranty Comprehensive Maintenance Contract and Annual Maintenance Contract for another 5 years shall be separately quoted by OEM.
2. **SPECIFICATION NO.3: Fermenter vessels:**
 - Working volume range - 0.9 to 2.2 litres.
 - Maximum volume holding capacity for vessels - Not more than 3 L.
 - Vessels to be jacketed for temperature control.
 - Cylindrical / Graduated with flat or curved bottom
 - Ports for addition of acid, alkali, antifoam, feed, sparger air inlet, Jacket inlet and outlet, transfer line, Septum injection ports, sampling, agitator, exhaust gas cooler etc. must be there.
 - Maximum permissible reactor temperature $>121^{\circ}\text{C}$ (Autoclave)
 - Vessel should be autoclavable along with connected tubing and reagents. (acid/base/antifoam/feed).
3. **SPECIFICATION NO.7: Peristaltic pumps:** Peristaltic pumps should be provided. Of these,
 - 3-fixed/variable speed pumps in-built in the system dedicated for acid and base addition, along with suitable bottles (250 ml) and caps and connectors for universal bottles.
 - 1 variable speed hi-precision pump for nutrient feeding connected to the Microprocessor based control system for nutrient feed operable in continuous mode with minimum flow rate of ≤ 0.01 ml/min along with suitable bottles (250 ml) and caps and connectors for universal bottles.
 - **1 external stand-alone hi-precision pump for solution addition operable in continuous mode with minimum flow rate of ≤ 0.01 ml/min**
 - All pumps must be configurable using the control system provided.
 - Suitable tubing's for the solution addition

All the other specifications and the terms and conditions of the tender remain unchanged.