



Notice Inviting e-Tender

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PROCUREMENT OF FULLY AUTOMATIC HUMAN MILK PASTEURISER FOR HUMAN MILK BANK
AT IPGME&R AND SSKM HOSPITAL

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL /NIT-646/2023

Dated –03.11.2023

AMENDMENT-1

TECHNICAL SPECIFICATIONS

Fully-automatic Human Milk Pasteuriser

- The machine should have microprocessor controlled fully automated pasteurisation cycle. Heating and cooling process should be available in the same apparatus.
- It should have a stainless steel construction meeting all medical physic requirements- no rivets, no dirt or water traps.
- Easy to operate & handle.
- Pasteurizer should be equipped with system that can heat the milk up to 62.5°C to 64°C with sensitivity of $\pm 0.5^{\circ}\text{C}$ with minimum fluctuation of temperature.
- Equipment should have a holding arrangement for containers of milk immersed in water till the maximum level of milk in heating and/or cooling medium sufficient to give uniform heating and/or cooling to the milk.
- The heating cycle should be designed in such a way that the milk receives desired temperature of 62.5°C and held for 30 minutes.

- After completion of heating and holding, the temperature of milk is uniformly brought down to 25°C within 10 minutes and further reduced to 4°C.
- The heating medium should not have temperature higher than 64°C \pm 1 in order to avoid over heating of milk and minimize nutrient loss.
- Capacity for pasteurizing a minimum of 3 litres of milk per pasteurisation cycle with a provision of using different sizes bottles (100 – 250 ml bottles).
- The pasteurizer should be equipped with electronic data verification system for continuous monitoring of milk temperature including data logging and storage, temperature graph, data analysis and generation of final report in various formats for effective analysis and corrective actions. This will also provide a proof for both heating and cooling and help in easy data storage in PC.
- The water holding tank of pasteurizer should be self-drain type.
- There should be an audible alarm after completion of pasteurisation cycle.
- There should be no residue water trap that eliminates the requirement of equipment sterilization cycle.
- Preferably environment friendly with low water volume usage
- Power supply: 220-240 V, 50-60 Hz.
- All control panels should be manufactured and tested using “Best Practice” methods and sound engineering techniques and European CE (4 digit notified body) or US FDA or UK (market conformity assessment body) or BIS certified.
- User manual with trouble shooting guidance, in English
- Technical manual with maintenance and first line technical intervention instructions, in English
- Training and installation at end-user site.
- Warranty minimum one year.
- Catalogue/Brochure should be submitted along with technical bid mentioning each and every point of technical specification.