



Ref: NCB/F-200608/2020-2021 (N)

Specification of -20° Freezer

1. System should be vertical standing and should have working volume of 600 liters +/- 5%
2. The system should have digital display and Micro controller based user-friendly control system.
3. System should be equipped with precise temperature controller with accuracy $\pm 1^{\circ}\text{C}$ & it should maintain uniform temperature in freezer.
4. The freezer should have single door.
5. The system should have manual defrost.
6. The preferred color should be white.
7. The temperature should be stable at -20 degrees
8. The system should have suitable display for temperature.
9. The system should have minimum 12 shelves for storage of samples.
10. The freezer should have audio- visual alarms for low/ high temperature, door open and power failure. there must be an option to mute the audible alarms.
11. It should be supplied with stabilizer and all other accessories required for proper functioning of freezer.
12. The system should have efficiency and low power consumption.
13. The system should have high grade thermal insulation for freezer walls.
14. Power supply should be 230V, 50HZ
15. The system should have Caster moving wheels with stopper for easy movement
16. The system should have minimum 3-year warranty
17. The system should be CE/ISO certified.
18. The Company must quote the freezer with all the suitable documents to justify the specification of product.
19. The system should be high power efficient, have high grade thermal insulation for freezer walls.
20. The system should have suitable display for temperature.
21. The system should be certified for research grade as per norms of IS & CE or equivalent.
22. The system should be supplied with all the accessories along with the flexible hose pipes with appropriate connectors required to function.
23. Compliance to each of the above points should be separately indicated and evidence of presence for each of them (Product brochures should be highlighted wherever required).
24. The service provider should have the base in Bangalore. Office address and service Engineer contact details should be enclosed with the quotation
25. The past performance/service support in NCBS/instem/ccamp (Blisc) should be satisfactory and the technical evaluation will be done accordingly.
26. The product should be as per CE/IEC guideline and certificate from authorized body should be submitted. No self-declaration will be accepted.