

Technical specifications of descope DPR Items (Laboratory Refrigerator)

1. Capacity 300+400 Liters.
2. Temperature range: 2-8°C
3. Internal: Durable unbreakable interior
4. External: Durable rust free exterior. MS powder coated, scratch free
5. Should have one transparent door with light inside main chamber. Door with lock.
6. Preferably roller mounted
7. Microprocessor based controller
8. Control panel with temperature alarm, on/off switch, digital thermometer, temperature display
9. Refrigerant: CFC / HCFC free should be environment friendly
10. With minimum four adjustable shelves Adequate circulation of air to ensure even cooling by duct system
11. Electronic automatic temperature control,
12. Hermetically sealed heavy duty compressor unit. Should have all the accessories required for the functioning of the equipment.
13. Power supply requirements: Supply voltage: 220- 240 V, AC, 50 Hz.

General specifications:

1. Satisfactory working report of the quoted model from three reputed government institutes/hospitals should be included (within two years of submission of bid).
2. All manufacturer should specify Installation qualifications, Operational Qualifications and Performance qualifications. Validation and calibration reports should have traceability towards applicable national / international standards.
3. Original product catalogue should be provided by the firm. Necessary documents, technical write up in English shall be attached with the offer both in hard and soft copies. Performance, efficiency, other factors such as distortion etc. as applicable be also furnished.
4. Installation: the bidder must arrange for the equipment to be installed by certified or qualified personnel; any prerequisites for installation to be communicated to the laboratory in advance. Onsite, in lab customer training to be provided. The equipment should be supplied with 2 meter cord at input and fitted with plugs of appropriate rating(5/15Amp).
5. 5 years back to back warranty including preventive maintenance followed by 5 year CMC should be provided by the company and warranty should commence only after delivery of satisfactory working report.
 - a. Complete with comprehensive set of spare parts.
 - b. The make, rating, model, description, specifications, quantity of each item shall be furnished separately.
 - c. Downtime commitment to be restricted to maximum period of 48 hours in metro cities and 96 hours in hard to reach areas (working days) and punitive actions shall be taken in case of failure to maintain the desirable downtime.
 - d. Preventive maintenance plan and technical support to be provided.
6. After installation must provide IQ/OQ/PQ report. the bidder must arrange for calibration as and when required.



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7. A suitable voltage stabilizer to be given. A line voltage corrector of appropriate rating should form part of standard configuration. Copper wound single phase automatic line voltage corrector conforming to IS: 9815(5t.l)/94 with latest amendments or equivalent international standards fitted with a voltmeter and switch to indicate output/input voltage as under: a. Capacity/rating: 10 KVA: As per the requirement of the equipment. b. Output voltage: 220 volts \pm 10% volts. Input-out voltmeter and ampere meter. Protection: high-low voltage cut-off, overload and short circuit protection.



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