

TECHNICAL SPECIFICATION

OXYGEN CONCENTRATOR

1. Oxygen concentrator to provide oxygen from ambient air.
2. Oxygen concentration measured at the flow meter by oxygen sensing device (OSD).
3. Sound level should be < 50dB.
4. Superior grade of molecular sieve.
5. Maintenance free rotary proppet valve.
6. Oxygen purity should be 92% ± 2%.
7. Oxygen output, approx: 0 - 5 LPM.
8. Pressure range should be 6 - 8 PSI.
9. Single outlet to maintain output presser & flow/ Double outlet or flow splitter for oxygen Delivery.
10. Oxygen tube of 2m length must be provided with.
11. With two humidifier bottles and two cabinet filters.
12. Power requirements: 220 V/50 Hz.
13. Device is produced by ISO 9001 certified manufacturer.
14. Bottles should be made of autoclavable polycarbonate.
15. With bilateral oxygen nozzle.
16. Oxygen failure or Low Oxygen Alarm facility should be available for below 80% oxygen.
17. Device is safety certified according EUROPEAN CE / USFDA.
18. **Guarantee:** Two years on equipment from the date of installation.
19. **CMC:** CMC will be given @ 5 % (of net rate - inclusive of Excise Duty & exclusive of VAT / CST etc.) plus service tax (as applicable) and yearly escalation of 5 % on last year's CMC price. The CMC may be awarded for three years (on yearly basis) after completion of Guarantee period of two years.
20. **Supplied with:-**
 - 1) 1 x spare set of tubing.
 - 2) Two spare sets of humidifier bottles.
 - 3) Two spare sets of cabinet filters.
 - 4) User manual with trouble shooting guidance, in English.
 - 5) Technical manual with maintenance and first line technical intervention instructions, in English.
- 21) Rates of accessories like Reusable oxygen tubing, Oxygen Mask for Adult, Pediatric & neonatal should be provided by bidder in BOQ in e-proc. Portal.
- 22) The service engineer should be based in Rajasthan.
- 23) Demonstration of equipment is must for technical approval.
- 24) Installation will be done by supplier free of cost.

The company should mention the make & model of the quoted item and submit the technical brochure of the quoted model in the Technical bid along with compliance sheet as per technical specifications.

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Executive Director (EPM)
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Jaipur