

TECHNICAL SPECIFICATIONS
MOTORIZED BED

1. Overall Size: 2200mm L x 1000mm W x 450mm to 750mm H \pm 100mm tolerance (without mattress).
2. The bed has functions of back raise, knee raise, and height hi-low adjustment (each movement can be operated separately). And the bed has the function of adjusting back raise and knee simultaneously with one action. These movements are operated by pushing the button of handheld controller. Each movement is operated by electric actuators. Total three actuators.
3. Battery Backup: The electrical system shall have a battery backup with built in battery charger.
4. Bed should have manual emergency CPR lever on both sides.
5. The head section should be capable of being raised to the angle 65° or more from the horizontal. Knee raise angle: 0 to 20° or more from the horizontal.
6. Construction: Top frame and base frame shall be mainly made from 50mm x 30mm x 1.6mm ERW (electric resistance welded) M.S. Rectangular tube.
7. Stainless steel wherever used shall conform to grade 304 (non magnetic). Support system linkages shall be of thick M.S. Flats/tubes.
8. Adjustable Stainless Steel saline rod should be supplied with ICU Bed and the Bed should have provision of saline rod on four corners.
9. Head/ Foot end panels instantly removable without any locking mechanism for easy intubation.
10. The bed should have safety side railings, collapsible split type shall be made from ABS. It should be easy to operate and have damping mechanism. Zero transfer gap facility shall be available.
11. Caster Wheels: The bed should have good quality non rusting castors with brakes not less than 125mm of diameter and 2 with brake and 2 without brake.. Corner Buffers: Four nos. rubber buffer shall be fitted to the four corners.
12. Oxygen Cylinder holder shall be provided.
13. Safe overall working load should be at least 135kg or more.
14. Bed should have dual sided integral drainage bag rails with hooks.
15. The Bed should operate on 220-240V AC 50/60Hz.
16. Finish: All components should be thoroughly pre-treated chemically to remove rust and foreign matter like grease, oil, etc. by epoxy polyester powder with appropriate thickness paint film. This finish may exclude castor wheels any stainless steel parts, hardware, ebonite rubber and PVC parts used.
17. The product should be CE certified (Documentation should be submitted in technical bid).
18. The product IEC EN 60601-2-38/ 60601-2-52 international safety for electricity actuated hospital bed certified. Related documents should be enclosed in technical bid.
19. Supplied with:
 - a) The ICU Bed should be supplied with a good quality 4 section mattress. The mattress should be non permeable with grooves. The PU density should be minimum 40 and mattress cover should be made of good quality foam leather/ Rexene not pinch able at corners- 01 qty & pillow - 01 qty.
 - b) Stainless Steel saline rod - 01 qty
20. **Guarantee:** should be three years from the date of successfully installation at consignee place.
21. **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 will be awarded for five years (on yearly basis) after Guarantee period of three years.
22. The company should submit technical compliance sheet as per technical specifications mentioning the make & model of quoted item along with catalogue in the Technical bid.
23. Installation will be done by supplier free of cost.
24. The service engineer should be based in Rajasthan.
25. Demonstration of equipment is must for technical approval.



Executive Director (EPM)
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