



بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ



Kanbihaa Magu | 19020 | Addu City | Maldives
info@ae.h.gov.mv | +960 6885555
www.aeh.gov.mv



ANNEX 1 SPECIFICATIONS

CATEGORY 1

REQ. QUANTITY

AIR MATTRESS

02 Nos

Description:

1. System for an active pressure-relieving mattress for defense against pressure ulcers
2. Should have End flaps for secure fixing
3. The mattress should have a minimum dimension of 185 x 75 x 7 cm to fit almost any
4. standard hospital bed
5. The mattress should be made of PU (Polyurethane) materials for durability and long-lasting.
6. It should have Bubble construction.
7. It should be lightweight and washable.
8. The pump should be compact and discreet
9. Pump airflow shall be 4 LPM
10. Cycle time of inflation & deflation should be 3/5 minutes.
11. The pump should have a visual low-pressure indicator/alarm
12. The pump should have Manual pressure control
13. The mattress should support patients up to 100 Kgs.
14. The pump should have Fold away hanging hooks or built-in brackets for mounting quickly to bed.
15. User guidelines should be printed on the pump
16. Manufacturers should be ISO 13485 certified.



CATEGORY 2
WHEEL CHAIR

REQ. QUANTITY
02 Nos

Description:

1. Overall minimum size: 670mm W x 1100mm D x 900mm H.
2. Welded frame construction of round tubes.
3. Two solid rubber-tired bicycle wheels / MAG wheels with brakes & self-propelling
4. Stainless steel hoops. The minimum Frame size of round steel is 22 x 18 G tubes and 19 x 18 G tubes.
5. Mild steel tubular construction fitted with cushion seat and back.
6. Wheelchair fitted with minimum 24” dia rim of bicycle wheel fitted on specially developed and
7. Heat-treated axle with a solid tyre in the rear.
8. In the front minimum of 150mm, dia castor wheels are fitted.
9. In front of castor wheels, aluminium foot paddles (foldable) are provided on adjustable brackets.
10. Two handles are provided with the handgrips.
11. Brakes to be provided on the rear wheel to hold the chair to stop in a 5-degree ramp.
12. Manufacturers should be ISO 13485 certified.



CATEGORY 3
HOSPITAL BED WITH MATTRESS

REQ. QUANTITY
02 Nos

Description:

1. Overall Sizes minimum:(L)1900mm X (W)750 mm X (H) 500mm
2. Bottom frame: made of MS ERW round tube dia 25 mm thick of 2 mm or more
3. Top Frame: MS erw oval tube 30 mm X 60 mm oval 1.5 mm thick. Top sheet of
4. CRCA 1.2 mm thick storage sheet of 1.2 mm thick
5. Powder-coated anti-microbial and thermosetting epoxy polyester formulated to
6. Fulfil the requirement for bacterial protection
7. Max safe load of 135 Kg
8. Manufacturers should be ISO 13485 certified.



CATEGORY 4

BIPAP MACHINES

REQ. QUANTITY

02 Nos

Description:

1. Slit BIPAP Machine with standard Accessories (Mask, Tubing, Heated Humidifier).
2. Mode of operation Bilevel spontaneous & Timed
3. Pressure=4-20 cm of H₂O
4. Ramp Time=0-20 Minutes
5. Should have provision for oxygen supply
6. Should have Heated Humidifier of the same brand
7. Sound Level=Less than 40dB
8. Provided with soft silicone Nasal /Full face Mask and Tubing (The Mask supplied should be as per requirement)
9. Should run on electricity at 220V and 50-60 Hz.
10. Adequate Flow of Air
11. Should have low flow oxygen connecting port.
12. Should be a transportable with more than 2 hours battery backup.
13. Should be supplied with trolley.
14. Item should be BIS/CE/FDA Approved



CATEGORY 5

REQ. QUANTITY

OXYGEN CONCENTRATOR

02 Nos

Description:

1. Oxygen Concentrator (10 LPM) with standard accessories (Mask, Tubing, Power Cord, Humidifying Bottle, Operational Manual).
2. Oxygen Concentration at 6 LPM = 93% ($\pm 3\%$) and at 10 LPM=90% ($\pm 3\%$)
3. Liter Flow = 0.5 to 10 Liters per Minute (with setting in 0.5 Liters increment)
4. Outlet Pressure >10psi (More Than 10psi)
5. Sound Level= Less than 60 dB
6. Operating Humidity up to 95% relative Humidity
7. Startup Time not more than 15 Minutes
8. Alarm for Power Failure and low oxygen concentration
9. Power consumption < 350 Watts
10. Item should be BIS/CE/FDA Approved

