**ANNEXURE-III**

# Instrument for ICU

| Sl. No. | Name of Instrument for ICU |
|---|---|
| 1 | ICU Bed |
| 2 | Bed side lockers |
| 3 | Medicine Trolley |
| 4 | Transfer Trolley |
| 5 | Three fold Stand |
| 6 | X-Ray view box |

## INSTRUMENT FOR ICU WITH SPECIFICATION

# 1. ICU BED (C1)

**(B) Detailed specifications**

1. Approximate Size (L*W*H) 2250 L X 1000W X 480-725 H(mm) Approximate
   Head Raise 65°
   Castros(Two Brakes) (100-125mm)
2. Powder coated S.S. 304 Grade Pipe with Board, laminated on both sides.
3. Four Location For Drip (IV) Rod
4. M.S. Powder Coated Side Rails (Drop Side),
5. Weight Carrying Capacity of bed 150 kg
6. Mattress
7. Trendelenburg & Reverse Trendelenburg with the help of crank on bearings
8. multi section Mattress, 100mm thk ,30 density foam covered with rexin ,Each section joint with Velcro strip

# 2. BED SIDE LOCKERS (C2)

**(B) Detailed specifications**

1. Length- 444 - 405 mm, width 400 - 405mm. Height- 810 - 820 mm. the outside diameter of the legs of the locker should be 25.4 mm and thickness of 1.22 mm. Thickness of top should be 1 mm S.S sheet of 20 G is bent: edge beaded and superimposed of M.S. top.

2. Top should be double pressed bent and neatly welded in grid at four corners. It should be superimposed with press bent stainless steel top. This top should have back and both sides bent upward for acting as guardrail and the front side should be bent downward. Top edge of the lockers should be bent and pressed to 180 degree to prevent sharp edge. Legs of the lockers are welded to then top and the locker cabinet after holding legs right angle to top and cabinet.

3. Cabinet-Top and sides- the top and sides of the cabinet should be made from 1 piece of steel sheet. It should be welded with the back and the bottom, which are also made from press bent sheets.

4. Doors- Door of the cabinets should be made from CRCA Sheet of 1 mm thickness press bent to required size. Door should be pivoted to the cabinet at top and bottom, flushed with the front of the cabinet when it is closed. Top and bottom of the pivots should be acting as the hinges to allow door to swing to maximum to 120 degree.

5. Knob- the door should be riveted with chrome plated brass knob which should have the latch carn, by turning knob the door can be locked.

6. The material used should be as follows- Frame work of 25.4 mm Dia x 1.22 mm thickness ERW steel tubes. Top should be made from 1 mm thickness CRCA sheet conforming to IS- 513 –D superimposed stainless steel top is of stainless steel conforming IS-6911-1972. Shoes made from hard rubber of uniform texture and chemically inactive to the action of mild acids. The normal height of the shoe should be 40 mm . shoes should be reinforced with M.S washers from inside at the time of moulding.

All components should be epoxy coated 50 micron

The above product should conform to applicable ISI standard in respect of materials, welding process, test & performance. Conforming to BIS 5880 standard or equivalent

## 3. MEDICINE TROLLEY (C3)

**(B) Detailed specifications**

- Overall approx. size: 960 mm (L) x 500 mm (W) x 1545
- SS tubular frame.
- Six coloured removable bins and two polystrene lockable storage units with three drawers have each.
- The top drawers have containers of different size.
- Four swivel castors, 125 mm dia., two with brake
- Complete with corner buffers, powder coated oxygen cylinder holder, SS IV rod and SS shelves.

## 4. TRANSFER TROLLEY (C4)

**(A) Pre Qualification**

**(B) Detailed specifications**

**Patient Trolley (Transfer Trolley):**

It should have the following features:

- Should have a Single sectional mattress base made of X-Ray translucent high pressure laminate
- Should have the facility to take X Rays from positions along the entire length of the trolley and from almost all the entire width of the trolley.
- Mattress should be made of durable lectrolite material, should be antistatic, and should be secured with self-adhesive straps.
- Should have central braking system with steering facility.
- It should have mannaul step less foot section adjustment.
- Frame should be made up of epoxy coated.
- Should have bumpers at all the four corners of the trolley.
- Should have facility to fix IV rods at all the four corners and middle of mattress base frame.
- Should have place for fixing accessories.
- Should have place for fixing 'B' Type Oxygen Cylinder.

- Should be supplied with standard accessories such as

Anti static Hygienic Mattress (80mm) with pull straps, 01 pc
Collapsible Side Rails, 01 pair
I.V. Rod 02 pc
Cylinder Holder for 'B' Type Oxygen Cylinder. 01 pc

- **Dimensions**

| | | |
|---|---|---|
| Max. Length | : | 2000-2100 mm |
| Max. Width | : | 730-750 mm |
| Height | : | 535 – 905 mm |

## 5. THREE FOLD STAND (C5)

**(B) Detailed specifications**

**C5) Bed Side Screen- Three Folds**

1. 16G steel tubular frame work with three folds
2. Middle span 122 cms. Wide mounted on four 5 cms. Dia swiveling castors
3. Side folds 60 cms wide. Each rotating on one 5 cms dia swiveling castor
4. Supplied with thin tube and curtains

5. Approximate Dimensions : 168H x 244W cms
6. Finish : Pretreated and Epoxy Powder Coated
7. The above product should conform to applicable ISI standard in respect of materials, welding process, test & performance. conforming to BIS 5880 standard or equivalent

## 6. X-RAY VIEW BOX (C6)

**(B) Detailed specifications**

**C6) Two Plate X-Ray Viewing Screen (Size 948 x 648 mm) with variable intensity of light control:**

1. The theatre should be equipped with a twin plate X-Ray Viewing Screen, designed to provide a high level of control luminance, without flicker, from a unit that is easy to clean and maintain.

2. The X-Ray viewing screen illumination should be by high frequency fluorescent lamps, controlled by dimming ballast.
3. The front panel diffuser should be of a glare free type, sealed flush with the inside face of the operating theater wall (or may as an option be integrated within the control panel fascia).

4. It should be equipped with eight spring-loaded clips to secure the X-ray negative when in use. The fluorescent lamps should provide a uniform level of illumination across the entire front panel diffuser and should be controlled by an electronic step-less dimming controls to provide flicker free dimming from maximum brightness to off.

5. Access for maintenance and lamp charging should be from the front of the panel. All internal wiring should terminate in connectors with screw and clamp spring connections. Individual fuses or miniature circuit breakers should protect all internal circuits, all internal wiring should be of a high temperature and secured by propriety cable clips.