

# SPECIFICATIONS OF C-ARM MACHINE WITH OT TABLE WITH ORTHO ATTACHMENT COMPATIBLE WITH C-ARM

## **A) C- Arm Machine:**

### **1. IMAGE INSTENSIFIER**

- a) Image Intensifying Tube: 9 Inches, triple field Normal = 9" , Zoom facility.
- b) Nominal Entrance Field Size: 200 mm or more
- c) Output Image diameter: 230mm or more
- d) CCD Camera: High resolution compact CCD camera ½" size. Pixel :1024x 1024.
- e) Monitors and Trolley: 2 Nos. 18" or more medical grade monitors along with modular trolley.
- f) Image Intensifier head safety lock. : To be provided.

### **2. C-ARM MOBILE STAND:**

- a) Rotation: ± 180 Degrees.
- b) Up/Down movement with Actuator/Motorized: 400 mm or more
- c) Horizontal Travel: 200 mm or more
- d) Arc Orbital Movement: 120 Degrees.
- e) Wig Wag: ± 12.5 Degrees
- f) Tube Head: 15 KHz or more stationary anode tube of focal spot 0.6mm (FLR) and 1.5mm (RAD).
- g) Min. Voltage: 100 kV
- h) Fluoroscopic mA: 0.1 – 5 mA or more (Normal Mode)
- i) Pulse Fluoroscopy mA: 0.1-3mA or more.
- j) Radiographic mAs : 200mAs or more

### **3. INVERTOR**

- a) Mains Voltage: AC/DC converter for H.F. X-Ray Generator (suitable for X- Ray Tube).
- b) Max. Output power: 3.5 KW or more
- c) Display for: display for KV, mAs, mA
- d) Radiography: Manual & APR.
- e) Technique Selection: Fluoro and radio mode selection.
- f) Radiographic Timer: An inbuilt radio timer enables to select upto 200 mAs
- g) Fluoroscopic Timer: Five minutes cumulative timer with buzzer.
- h) Fluoro mA: Continuously variable.
- i) Memory 10000 images.
- j) Collimation- radiation free, IRIS Collimation
- k) The X-ray Tube should be AERB approved.
- l) Auto Brightness

The equipment should be supplied with 06 numbers good quality, light weight lead aprons.  
Onsite QA as per AERB Guidelines is must.

### **B) O.T. Table with ortho attachments compatible with the C-Arm (Specifications above)**

**Accessories:** - L-Shaped Anesthetic frame, Shoulder support with pad, padded Armrest, lateral support with pad wrist strap; water proof rubber mattresses should be supplied with the table, lithotomy crutches padded.



**Ortho Attachment (Hanging) :-** Pelvic rest, pelvic support, Inner thigh support, Foot plate with ortho shoes, Tibia attachment, Hand surgery attachment, Hand traction device (Humerous positioning) Hand rest for shoulder surgery should be supplied with the table.

**Technical Data:**

- a). Table top length (Inch) within 74"to 78"
- b). Table Top Width (Inch) : within 19"to 21"
- c). Min. Height (Inch) : 30"
- d). Max. Height (Inch): 42"
- e). Trendlburg position Head Down : 20 Deg. Or more
- f). Trendlburg position Head Up : 20 Deg. Or more
- g). Tilt to either side: 20 Deg.
- h). Back section adjustment down : 20 Deg.
- i). Leg section adjustment down : 90 Deg.
- j). Head section adjustment down : 90 Deg.
- k). Head section adjustment Up : 15 Deg. Or more
- l). Wired remote Control to operate all positions mentioned at Point No.( c) to Point No.(f)
- m) Safe Working Load: 125 ± 5 Kgs.

- **Guarantee for both items A & B:** 03 years from the date of successful installation including complete system.
- **CMC for both items A & B:** CMC will be given @ 4% (of net rate- inclusive of Excise Duty & exclusive of VAT/CST etc.) plus service tax (as applicable) and yearly escalation of maximum 5 % on last year's CMC price. The rates of CMC should be provided for minimum five years after guarantee period of three years.
- **Certification for both items A & B:** The equipment should be CE/BIS certified and AERB approved. The bidder should be ISO 9001 certified.

**Consumables for both A & B:** Nil.

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