

### Technical Specifications of Steel Rack

1. Rack (steel) standard covers requirements of materials, construction and finish with adjustable shelves by an **ISO – 9001, ISO- 14001/OHSAS CERTIFIED or BIFMA CERTIFIED** manufacturers.
2. **MATERIALS:** Mild Steel Sheet shall wherever used shall be CRCA. Angle sections should be cold formed from strip steel conforming to IS 4030-1973. The bolts used for assembly of side racks shall be (6mm in dia) and the thickness of the square nut shall be 6mm. (Tolerance =  $\pm 1$ mm)
3. **DIMENSIONS:** The overall dimensions of side racks shall be as follows:

Height	:	1800mm (excluding pedestals height 125mm $\pm 2$ mm)
Width	:	900mm
Depth	:	430mm
Tolerance	:	$\pm 5$ mm
4. The metal racks shall have 5 shelves; the top shelf shall be flush with the top of the angle posts and, therefore, the first hole shall be appropriately located. The bottom shelf shall be fixed at the second hole from the bottom.
5. Back and sides of rack should be covered by CRCA metal sheet duly powder coated, i.e. Rack should be covered from 3-sides.
6. The length of angle posts shall correspond to height of rack. The thickness of post when made from sheet shall be not less than 3mm. Rolled steel angle posts shall be 40 x 40 x 2mm size. Angle posts shall be free from twist, sharp edges and burrs. Angle posts shall have 6-8mm diameter holes provided at 50 mm center approx. Shelves shall be made from mild steel sheets having 9 folds not less than 1.0 mm in thickness. Shelves shall have lipped flanges, width of flange being 30mm and depth of lip 15 mm. The size of shelves shall be derived from the dimensions of racks. Shelves have 6-8mm corresponding holes for fixing them to angle posts. In addition, shelves shall have 8 mm holes for corner gussets. Eight gussets, four on each face of the rack shall be fitted. Gussets shall be made of 1.00 mm minimum thick mild steel sheet and shall be not less than 75 mm long each end joining to the shelf and the angle post. The various components shall be assembled by means as per IS: 3761–1983.
7. **FINISH:** All dents, burrs and sharp edges shall be removed from the various components. The components shall be individually pickled, scrubbed and rinsed to remove grease, rust, scale or any other foreign element. All metal parts should be Powder Coated. The dry film thickness shall be not less than 0.10 mm.

#### Other T&C

1. Minimum 1 year manufacturing defect guaranty i.e. fabric, welding, screws etc.
2. All tubular ends in table & chair should be covered with good quality rubber stopper.
3. Packing shall be of good quality to avoid damage or scratches during transit.
4. Color of item (frame & Fabric) shall be confirmed by ordering authority at the time of supply order or as per sample. Possible color options must be identified by bidder for various parts.
5. The final technical approval of furniture items shall be after inspection of samples by technical committee at the time of technical bid evaluation.
6. The Technical Committee or RMSCL representative may visit manufacturing unit any time during Rate Contract period on expenses of bidder.



**Executive Director (EPM)**  
**Rajasthan Medical Services Corporation Ltd.,**  
**Jaipur**