

OFFICE OF THE PRINCIPAL

OAV TINGIRIA, RARUAN BLOCK MAYURBHANJ

THE PRINCIPAL OFFICE IS HERE BY INVITING OPEN TENDER APPLICATIONS FOR PURCHASE OF 100 COTS OF GOOD CONDITION FOR KGBV TYPE-IV GIRLS HOSTEL (DETAILS GIVEN BELOW) ON OR BEFORE 05.03.2024 VIA REGISTER / SPEED POST AT PRINCIPAL OAV TINGIRIA OFFICE.

NOTE:

1. THE WEIGHT OF EACH COT CAN NOT BE LESS THAN 40 KG.
2. FOR DETAILS KINDLY LOG IN TO [mayurbhanj.nic.in](http://mayurbhanj.nic.in)
3. THE UNIT COST MUST BE INCUSIVE OF GST, TRASPORTATION AND OTHER CHARGES.

Sd/- Principal  
Oav Tingiria Raruan

**DRAWING, DESIGN & SPECIFICATION FOR SINGLE BED COT**

**MATERIALS:** The materials used in different components shall confirm to the quality prescribed in relevant IS: specification or equivalent specification.

COMPONENT	SPECIFICATION
i) Frame (Head end & foot end)	Legs shall be manufactured from ISI Marked M.S. hollow rectangular tube size - 50.0 x 25.0 x 2.90 mm as per I.S. 4923. Two nos, of tubes joining two legs at each end shall be manufactured from ISI Marked M.S. hollow rectangular tube size - 50.0 x 25.0 x 2.90 mm as per I.S. 4923. Other filling tubes shall be made from 25 x 25 x 1.25 mm size M.S. hollow square tube material as per IS: 4923.
ii) Bed Frame	Shall be manufactured from ISI Marked M.S. hollow rectangular tube, size - 50.0 x 25.0 x 2.90 mm as per I.S. 4923.
iii) Stiffener in Bed Frame	Shall be made out of 25 x 25 x 1.25 mm size, M.S. hollow square tube, material as per IS: 4923.
iv) Corner joint (Frame & Bed)	Shall be fabricated from 40 x 40 x 5mm size M.S. angle and square bar of 10 mm size as per IS: 2062.
v) Mosquito net pole support	Shall be made from 25 mm OD, 1.2 mm thick M.S. Tube as per IS: 7138.
vi) Mosquito Net Pole	Shall be made from 19.0 mm OD, 1.2 mm thick M.S. Tube of 40" (1016 mm) length as per IS: 7138.
vii) Leg shoes	PVC shoes with nominal height 35 mm minimum
viii) Nut & Bolt	M.S Galvanised Bolt & Nut, Size M 12 x 50 mm as per IS: 1363 (Pt. 1 & 3).
ix) Bed	ISI Marked Ply wood having thickness 19 mm, Grade MR/BB as per IS: 303, Size- 72" x 30" 1 No.
Manufacture	Supporting frames at foot end, head end, bed frame shall be fabricated separately. The bed frame shall be joined to the supporting frames at foot and head ends with the help of two nos. of M 12 x 50 mm size galvanised nut & bolt at each corner on angular support fabricated out of M.S Angle -40 x 40 x 5 mm of 125 mm length and 50 mm height welded to each leg. Four nos. of M.S. Square Bar of size 10 x 10mm not less than 125mm length shall be welded to each leg and M.S. Angle to give support to the bed. The top jointing tube at head end & leg end shall be covered completely on the vertical legs and open end of the same tube shall be closed with the help of M.S. sheet/plate and bottom of the legs shall be fitted with PVC shoes. Four nos. of stiffeners made out of 25 x 25 x 1.25 mm M.S. square hollow tube shall be welded in the bed frame at spacing as mentioned in the drawing for providing support to bed. It should be fixed in such a way that the bed top shall match to bed frame top.

	<p>Mosquito net provision: On the four corners of the bed, provision shall be made for installing the mosquito net. For this purpose two pieces each of 100 mm (4") length and 25 mm O.D, 1.2 mm thick M.S.tube shall be welded at a distance of 100 mm ( 4") on each leg from the top. Lower end of the M.S. tube shall be closed for holding the mosquito net pole of 19.0 mm O.D, 1.2 mm thick M.S tube of 40 (1016 mm) length &amp; hole at upper end shall be provided to tie up the mosquito net.</p>
5. Design and Dimensions	<p>As per drawing at Annexure  - I.Tolerance on dimension:  iii) Linear dimension: + 5 mm.  iv) Tolerance of materials: May be referred to relevant materials I.S specification</p>
6. Weight	<p>The minimum weight of the Single Bed Cot ( Bed Frame, Head end, Foot end, Mosquito net pole and 8 pairs of Nuts &amp; Bolts) without ply shall be 40.500 Kg.</p>
7. Finish	<p>Welding should be all along the joint and finished smooth. All the members in the frame shall be free from welding joints except the meeting points. All the steel components shall be finished smooth and coated with two coats of High gloss texture stipple finish paints over an application of one coat of metal primer. Painting shall be uniform snow white/off white/grey in colour.</p>
8. Warranty	<p>Warranty period in number of years: 2 (Two).</p>

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