

Specification for Manufacture and Supply of Study Table & Bed

1. Study Table (500 Nos)

- i) Providing and fixing Table of overall size 600 x 1200 x 750 mm (height) with table top of 19mm BWR grade block board (Bhutan/Green/Bajaj make) conforming to IS: 1659 with teakwood edge leaped and exposed area of the block board, laminated with 1.0mm thick laminate of approved shade and brand including cost of all material, labour, tax. lead, T & P, hardware, suitable connections/welding/grinding complete in all respects with superior quality finishing including assembling as per detail working drawing and direction of Engineer-in-charge.
- ii) Provision shall be made of a shelf for storing CPU/ monitor below the desk as shown in drawing. All the inner surfaces shall be finished with natural french polish as per direction of Engineer-in-charge.
- iii) Provision shall be made for one drawer unit (150mm height, 300mm width and depth about 550mm). Drawer shall consist of 12mm thick ply on sides and back and 19mm on the front. Ply to be finished with 1.0mm thick laminate and lipping, SS handle of size 100mm. The drawer shall slide on roller channel.
- iv) For all structural steel members, necessary surface preparation (sand blasting or machine grinding with emery paper and chemical treatment) shall be done. Two coats of primer of red oxide / zinc chromate conforming to relevant IS code shall be done, followed by spray painting of approved shade and brand as per direction of Engineer-in-charge. All these are to be done before fixing of the table top.
- v) HR steel hollow sections shall be of TATA/Jindal make conforming to IS: 4923 or equivalent (PSST – 31239).
- vi) Heavy duty nylon foot pads shall be provided screwed on to the base of the frame work as per direction of the Engineer-in-charge.

2. Bed (500 Nos):

- i) Providing and fixing of bed of size 800 x 2000 x 450mm (height) with bed top of 19mm BWR grade block board (Bhutan/Green/Bajaj make) conforming to IS: 1659 including cost of all material, labour, tax, lead, T & P, hardware,

suitable connections/welding/grinding complete in all respects with superior quality finishing including assembling as per details working drawing and direction of Engineer-in-charge.

- ii) For all structural steel members, necessary surface preparation (sand blasting or machine grinding with emery paper and chemical treatment) shall be done. Two coats of primer of red oxide / zinc chromate conforming to relevant IS code shall be done, followed by spray painting of approved shade and brand as per direction of Engineer-in-charge. All these are to be done before fixing of the table top and head board.
- iii) HR steel hollow sections shall be of TATA/Jindal make conforming to IS: 4923 or equivalent (PSST – 31239).
- iv) Heavy duty nylon foot pads shall be provided screwed on to the base of the frame work as per direction of the Engineer-in-charge.

3. General Points

- i) Chrome plated screw of reputed brand (Umbrako /Nettle fold or equivalent) to be used.
- ii) Welding should be 3mm thick arch welding wherever required with electrodes as per IS standard ISAB or equivalent.
- iii) All quotations are to be submitted along with shop drawings and the firm's proposal and layout for installation of furniture to be submitted. Photographs and drawings of each furniture must also be attached along with.
- iv) Architectural drawings are available which may be used for preparation of above drawings.
- v) A sample of the final finished furniture is to be shown by the prequalified firms and got approved by the National Institute of Technology, Rourkela. A date shall be fixed in advance for the same.