

PSGSG 13-14 /024	SPECIFICATIONS FOR "SHERABOARD MATERIAL & INSTALLATION"	Drg.No.	-
		Date	31.01.14
		Rev	01
		Product	UHV Lab
1.0	APPLICATION: Sheraboard material is used in assembly and installing the same in UHV laboratory.		
2.0	MATERIAL SPECIFICATIONS: 1. Shera Board of dimensions 8' x 4' - 12mm thk. 2. Shera Board of dimensions 8' x 4' - 08mm thk. 3. Square Hollow M.S sections (Make : Tata / Apollo / Loha) : 50mm x50mm x 2.6mm 4. Square Hollow M.S sections (Make : Tata / Apollo / Loha) : 25mm x25mm x 1.8mm 5. Rectangular Hollow M.S sections (Make : Tata / Apollo / Loha) : 50mm x25mm x 2.0mm 6. Material for scaffolding during construction of frame work. 7. Plastic Emulsion Paint (Make : Asian) after final installation of sheraboards. 8. Synthetic enamel paint (Make : Asian) for frame work. 9. Putty (Make : Saitek / Birla). 10. GI perimeter channels of size 55mm, having one flange of 20mm & another flange of 30mm & a web of 27mm along with perimeter of ceiling screw fixed to brick wall/partitions with nylon sleeves & screw at 610mm centers. Suspended GI intermediate channels of size 45x0.9mm in the two flanges of 15mm each from the soffit at 1220mm center with ceiling angle of 25x10x0.55mm fixed to soffit with GI cleat and steel expansion fasteners. Ceiling erection of 0.5mm having knurled web of 51.5mm & two flanges of 26mm each with lips of 10.5mm are then fixed to the intermediate channels with connecting clip and in direction perpendicular to the intermediate channels at 457mm centers. With all cut outs etc. including MS pipe supports and hardwares (roof fix screws, clips etc) 11. Shera board jointing compound should be used for joining the shera boards.		
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3.0	<u>INSTALLATION OF SHERA BOARDS</u>		
	Fabrication of frame work (including structural steel sections etc), erection of frame work, applying metal primer and synthetic enamel paint, cutting, lead and lift and fixing of shera boards, sand papering to get smooth surface and final plastic emulsion painting.		
4.0	Material source certificates shall be provided along with the delivery of the components.		
5.0	The dimension of the room are length of 26metres, width of 9.5 metres and height of 11.0 metres approximately.		
6.0	The supplier may visit UHV laboratory in BHEL R&D for further clarifications before submitting the offer.		
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