

SAMPLE EVALUATION REPORT

S.No	Item Description	M/s Durian Mumbai		M/s Citizen Pvt.Ltd Bangalore		M/s Obul reddy and sons Tirupati		M/s Modern lab India Chennai		M/s Twenty first century, Pvt, Ltd, Indore
	SET-1	Complied (Yes/ No)	Remarks	Complied (Yes/ No)	Remarks	Complied (Yes/ No)	Remarks	Complied (Yes/ No)	Remarks	
1	Overall Dimensions: Length – 1524 mm ± 10 mm Width – 914 mm ± 10 mm Height – 750 mm ± 10 mm	Sample not submitted		Yes	Length – 1530 mm Width – 924 mm Height – 750mm	Yes	Length – 1575 mm Width – 924 mm Height – 750 mm	Yes	Length – 1515 mm Width – 920 mm Height – 750mm	Sample not submitted
2	C-Frame System			Yes		Yes		Yes		
	All C-Frames assemblies should be manufactured from standard hollow metal sections; confirming to I.S. Code 7138:1993 (Indian Standard specification for steel tubes for furniture).			Yes		Yes		Yes		
	All sheet metal components should be of CRCA confirming to IS Code 513:2016.			Yes		Yes		Yes		
	C-frame should be constructed from a rectangular pipe with a cross section of 60 mm x 30 mm and should be 2 mm thick and should be without a vertical front leg to give a clean look			Yes		Yes		Yes		
	This shall provide more knee space or leg space and would facilitate uninterrupted lateral movement of the under-bench units within the bench run.			Yes		Yes		Yes		
	The C-frame legs should be supplied with adjustable PVC nylon bush with high impact and vibration resistance (tolerance from -5 mm to +20 mm) to correct the unevenness of flooring			Yes		Yes		Yes		
	The structure should have a removable back panel to provide access for maintenance throughout the length of the table. The C-frame shall also have skirting at back bottom side			Yes		Yes		Yes		
	All framework should be pre-treated with superior pure epoxy powder coated finish			Yes		Yes		Yes		
	The C-Frames should be for Mobile Storage Cabinets that can be moved out of the workbench for better flexibility in design			Yes		Yes		Yes		
	All steel components need to be pre-treated with an acid wash, anticorrosive treatment prior to powder coating			Yes		Yes		Yes		
	The entire framework should be done with pure 70–80 microns epoxy powder coating			Yes		Yes		Yes		
	Scratch-resistant Powder Coat of required colour for all metal approved by IIT Tirupati shall be provided			Yes		Yes		Yes		
	All the welding should be done using the electro-welding process only.			Yes		Yes		Yes		
3	Horizontal Members									

	CRCA Rectangular pipe of cross-section of 60 x 30 mm and 2 mm thickness shall be used with 70-80 microns pure epoxy powder coating.	Yes	Yes	Yes	Yes	
	Horizontal members shall be connected using C-clamps/U-clamps with two adjacent C-Frames at a distance of 1500 mm together and that shall form the skeletal structure of the work bench on which the worktop can be placed.	yes	yes	yes	yes	
4	Removable Back Panels					
	Removable back panels cover the service lines that run behind them.	Yes	Additional back panel sheet has to be provided	Yes	Additional back panel sheet has to be provided	Yes
	These should be easily removable (unclipped) and the service line be accessed for maintenance. This allows the equipment on the workbench to remain undisturbed	Yes		Yes		Yes
	They should be made of CRCA sheet 1.2 mm of thickness and provided with 70-80 microns pure epoxy powder coating.	Yes		Yes		Yes
5	Side Cover and Filler Panels					
	All side cover and filler panels should be made from CRCA sheet of 1.2 mm thickness with 70 – 80 microns pure epoxy powder coating.	Yes		Yes		Yes
6	Electrical Trunking					
	The trunking for housing electrical switches and sockets shall be made from 1.2 mm thick CRCA sheet with 70 – 80 microns pure epoxy powder coating.	Yes		Yes		Yes
	It should be available as single sided configurations (as per schedule of requirement) along with screwed caps	No	Removable cover must be provided at end	No	Removable cover must be provided at end	Removable cover must be provided at end
	The front surface that houses the electrical points should have a slope.	Yes		Yes		Yes
	Each table should have 4 nos. of two in one 6/16 amp plug points with MCB. (2 plug pins in a single socket).	Yes		No	Not provided (MCB)	Yes
7	Worktop					
	Jet Black Granite worktop should be of 18 + 2 mm thick.	Yes		Yes		Yes
	The front edge of the granite must be chamfered properly at an angle of 28 degrees and should be properly smoothened.	No	Not available	Yes		Yes
	The bottom of the worktop should be polished and there should be a V-groove throughout the length of the exposed edges to protect the cabinets from coming in contact with the spillages	Yes		Yes		Yes
	The overhang for the worktop is 25 mm at the front side and 30 mm at the sides.	Yes		Yes		Yes

Sample not submitted

Sample not submitted

	The backing material used is a neoprene mat of 6 mm thickness	Sample not submitted	Yes		Yes		Yes		Sample not submitted
	All front corners shall be smoothly curved; and sharp corners should be avoided		Yes		Yes		Yes		
	Recommendations/ Observations		Recommended with above observations for the opening of price bid		Recommended with above observations for the opening of price bid		Recommended with above observations for the opening of price bid		

SAMPLE EVALUATION REPORT

S.No	Item Description	M/s Durian Mumbai		M/s Citizen Pvt. Ltd Bangalore		M/s Geeken seating Pvt. Ltd, New Delhi		M/s Modern lab India Chennai		M/s Twenty first century, Pvt, Ltd, Indore
	SET-2 (Under bench trolley)	Complied (Yes/ No)	Remarks	Complied (Yes/ No)	Remarks	Complied (Yes/ No)	Remarks	Complied (Yes/ No)	Remarks	
1	The complete GI material of cabinet in a weld less construction is pre-treated (degreased, Zinc phosphated) and epoxy powder coated for better corrosion resistance. Aluminium flush handles are to be provided.	Sample not submitted		Yes		Yes		Yes		Sample not submitted
	The thickness of powder coat shall be 70-80 microns conforming to relevant BIS code, which accordingly passes the test of Salt Spray for 1000 hours and having the scratch hardness of 3 kg			Yes		Yes		Yes		
	The cabinet should be excellent corrosion resistant and spillage proof against acid and alkaline solutions			Yes		Yes		Yes		
	Cabinet should be of square non-sharp edge construction.			Yes		Yes		Yes		
	Module sheet thickness should be 1.2 mm or more			Yes		Yes		Yes		
	The cabinet should consist of one drawer and two shutters as per the diagram.			Yes		Yes		Yes		
	Drawer tray should be of single piece construction			Yes		Yes		Yes		
	The drawer trays should be mounted on telescopic slides capable of bearing a load of 45 kg			Yes		Yes		Yes		
	Castor wheels with a locking system are to be provided			Yes		Yes		Yes		
	Provide Auto-closing type hinges in SS construction (hidden-type) with 180° opening			Yes		Yes		No	Auto closing hinges were not provided	
	Should facilitate an adjustable shelves system			Yes		Yes		Yes		
	Provide Lock with two keys each for drawer and shutter.			Yes		Yes		Yes		
2	Construction Detail: Cabinet end panels; min. 1.2 mm thick GI Sheet			Yes		Yes		Yes		
	Cabinet rear panel and top panel; min. 1.2 mm thick GI sheet			Yes		Yes		Yes		
	Cabinet base skid; 1.2 mm thick GI Sheet			Yes		Yes		Yes		
	Cabinet drawers; 1.2 mm thick GI Sheet			Yes		Yes		Yes		
	Cabinet shutters & drawer front panels; double skin const. min 0.8 mm thick GI sheet			Yes		Yes		Yes		
	Cabinet main frame structure and drawer slide rails, 1.6 mm thick GI Sheet			Yes		Yes		Yes		

	Suitable 4 Nos of castor wheel in each cabinet (Front 2 Nos are lockable and Rear 2 Nos are un-lockable)		Yes		Yes		Yes		
	Dimensions Length -600 mm Width-500 mm Depth -635 mm		Yes	Dimensions Length -600 mm Width-500 mm Depth -635 mm	NO	Dimensions Length -600 mm Width-500 mm Depth -570 mm Depth of rack has to increase 60mm	NO	Dimensions Length -600 mm Width-500 mm Depth -570 mm	
	Recommendations/ Observations	Sample not submitted	Recommended		Recommended with above observations for the opening of price bid		Not Recommended		Sample not submitted

SAMPLE EVALUATION REPORT

S.No	Item Description	M/s Geeken seating Pvt. Ltd, New Delhi		M/s Twenty first century, Pvt, Ltd, Indore	
	SET-3 (wall mounted cabinets)	Complied (Yes/ No)	Remarks	Complied (Yes/ No)	Remarks
1	The cabinets should be suitable for mounting on wall. The cabinets shall be fabricated out of Galvanized Iron (Zinc coated). Cabinets should be provided with 1 adjustable shelf.	Yes			
	Proper design, stiffening/ structural members should be provided for strength and rigidity.	Yes			
	Front door of the cabinet shall be in twin door design having glass panel with metallic frame in Galvanized Iron construction. No of Shelves: 1 shelf, forming 2 compartments. Shelf should be adjustable in height.	Yes			
2.	Construction Detail:				
	End Panel, Top Panel & Bottom Panel: 1.2 mm thick Galvanized Iron Sheet	Yes			
	Rear Panel: 1.2 mm Galvanized Iron Sheets	Yes			
	Front door: 5 mm thick transparent glass with metallic frame in GI construction	Yes			Not submitted sample
	Shelf: 1.2 mm thick GI sheet	Yes			
	Door Supporting frames: 1.6 mm thick GI Sheet	Yes			
	Door Hinges: Knuckle and Barrel type SS hinges	Yes			
	Door handles: SS 304 const or better.	Yes			
	Lock: - With two keys for doors	Yes			
3	Dimensions Length -750 mm Width-350 mm Depth -600 mm	Yes	Dimensions Length -750 mm Width-350 mm Depth -750 mm Depth must be reduced to 600 mm		
	Recommendations/ Observations	Recommended with above observations for the opening of price bid			Not submitted sample

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S.No	Item Description	M/s Durian Mumbai		M/s Geeken seating Pvt. Ltd, New Delhi		M/s Twenty first century, Pvt, Ltd, Indore	
	SET-4 (Chairs)	Complied (Yes/ No)	Remarks	Complied (Yes/ No)	Remarks	Complied (Yes/ No)	Remarks
1	STUDENT CHAIRS (Type 1-UG Labs) (The chair should be capable of carrying load of 150 kgs.	Yes		Yes		Yes	
2	The seat is to be made up of 1.2 ± 0.1 cm thick flat plywood and with moulded Polyurethane foam and are-upholstered with replaceable synthetic leather covers	Yes		Yes		yes	
3	The back foam is to be designed with contoured Lumbar support for extra comfort. The upholstery is available in synthetic leather	Yes		Yes		yes	
4	HR polyurethane foam moulded with density of 45 ± 2 kg/m ³ and Hardness load 16 ± 2 kgf as per IS: 7888 for 25% compression shall be provided	Yes		Yes		yes	
5	The manual height adjustment shall be done with knob and to be locked at the most comfortable position. Overall height without extension 103 cm (Approximately) with 10 cm height adjustment facility with hand rest	Yes		Yes		No	85 mm up and down
6	The five -prong pedestal is to be fabricated from 0.2 ± 0.02 cm thick HR sheet powder coated (DFT 40-60 microns) and fitted with an injection moulded black Polypropylene Hub Cap and 5 nos. twin wheel castors. The pedestal is 55.0 ± 0.5 cm pitch-circle diameter (65.0 ± 1.0 cm with castors). Circular foot - ring of diameter 52.0 ± 0.2 cm made up of dia $1.9 \pm 0.2 \times 0.12 \pm 0.0096$ cm thick MS ERW Tube for foot support in High-base stool.	No	Circular footrest & revolving wheels are not available.	Yes		No	Circular footrest is not available
7	Injection moulded twin wheel castors in Black Nylon shall be provided.	Yes		Yes		Yes	
	Recommendations/ Observations	Not Recommended		Recommended for the opening of price bid		Not Recommended	

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		Complied (Yes/ No)	Remarks	Complied (Yes/ No)	Remarks	Complied (Yes/ No)	Remarks
1	Overall Dimensions of Chair: a. Seat Height - 450 mm ± 5mm b. Overall Height - 920 mm ± 5mm c. Seat width - 480 mm ± 5mm d. Seat depth - 480 mm ± 5mm e. Backrest height - 570 mm ± 5mm f. Backrest width - 440 mm± 5mm	Yes		Yes		Yes	
2	Seat assembly should be 12 ±1mm thick hot-pressed plywood upholstered with fabric upholstery covers and moulded polyurethane foam	Yes		Yes		Yes	
3	Backrest should be made up of upholstered using double-layer spacer mesh Fabric with high tenacity yarn. The backrest is made of one-piece injection moulded frame. The backrest should be symmetrical lumber support	Yes	The lumber support is not comfortable It is provided without fabric support.	Yes		Yes	The lumber support is not comfortable It is provided without fabric support.
4	HR polyurethane foam should be moulded with density of 45 ± 2 kg/m3 and hardness load 16 ± 2 kgf for 25% compression	yes		Yes		yes	
5	One-piece armrests should be injection moulded from black copolymer polypropylene.	NO	Arm rest provided with multiple peace of poly propylene	yes		NO	Arm rest provided with multiple peace of poly propylene
6	Center-tilt mechanism should be designed with the following features: a. 360° revolving type b. 17° ±2° maximum tilt on a pivot at the Centre c. Upright position locking d. Tilt tension adjustment	Yes		Yes		Yes	
7	Pedestal should be injection moulded in black 33% glass filled nylon and 5 Nos. Twin wheel castors. The pedestal should be 620 ±5 mm. Pitch-center dia. (720 ± 10 mm with castors)	NO	Provided with Chrome Plate	Yes		Yes	
	Pneumatic height adjustment has an adjustment stroke of 120 ± 5mm	Yes		Yes	120 mm	Yes	127 mm
	Twin wheel castors: The twin wheel castors should be injection moulded in black nylon. The chair should be capable of carrying load of 150 kgs	Yes		Yes		Yes	
	Recommendations/ Observations	Not Recommended		Recommended for the opening of price bid		Not Recommended	

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