

Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
16-1	Providing and fixing plain wood work sawn, wrought planed in repair and replacement work including cost of nails and screws.				
a)	Deodar wood	Cu.m. Cu.ft.	25,912.00 733.75	145,144.55 4,110.20	16.3 16.4
b)	Shisham wood	Cu.m. Cu.ft.	25,897.47 733.35	154,767.20 4,382.70	
c)	Kail wood	Cu.m. Cu.ft.	24,216.82 685.75	138,969.30 3,935.30	
16-2	Providing plain wood work for regulation karries or needles including sawing, planing, wroughting, also providing & fixing steel strip end rods.				16.3 16.4
a)	Deodar wood	Cu.m. Cu.ft.	14,890.38 421.65	146,797.50 4,157.00	
b)	Shisham wood	Cu.m. Cu.ft.	15,745.68 445.90	148,394.80 4,202.25	
c)	Kail wood	Cu.m. Cu.ft.	14,890.38 421.65	105,784.03 2,995.60	
16-3	Providing and fixing First class wood frames of required size for doors, windows, ventilators, clerestory windows, shelves, partitions, trellis (Jafri) work.				16.3 16.4
a)	Deodar wood	Cu.m. Cu.ft.	25,641.00 726.10	145,144.55 4,114.05	
b)	Kail wood	Cu.m. Cu.ft.	23,963.55 678.60	138,969.30 3,939.04	
16-4	Providing and fixing First class wood built in frame of required size with 1/2" (13mm) thick beading as stopper of the same for doors, windows, ventilators, clerestory windows, shelves and partitions.				16.3 16.4
a)	Deodar wood	Cu.m. Cu.ft.	25,641.00 726.10	147,700.00 4,182.55	
b)	Kail wood	Cu.m. Cu.ft.	25,641.00 726.10	94,517.96 2,676.55	
16-5	Providing, fixing and hoisting First class wood wrought and framed in trusses and other roof scantlings including all necessary iron work for fixing and anchoring in position.				16.3 16.4
a)	Kail wood	Cu.m. Cu.ft.	43,802.75 1,240.40	225,349.25 6,381.45	16.17
b)	Chir wood	Cu.m. Cu.ft.	43,802.75 1,240.40	159,771.80 4,524.40	

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			Labour	Composite		
16-6	Providing fixing and laying First class shisham wood of required section sawn and framed for dunnage with necessary iron work.	Cu.m.	2,339.30	163,810.55	16.3	
		Cu.ft.	66.25	4,638.80	16.4	
16-7	Providing and fixing First class deodar wood shutters fully panelled with same wood and fixed with approved brass hinges and tower bolts.				16.3	
					16.4	
		a) 2" (50 mm) thick fully panelled shutters.	Sq.m.	2,837.50	10,755.56	16.5
			Sq.ft.	263.71	999.59	16.5.14
						16.6
16-8	Providing and fixing 1.5" (38 mm) thick fully panelled First class deodar wood shutter fixed with ply/ hard board/ chip board/ A.C. sheet and with approved iron hinges and tower bolts.	b) 1.75" (44 mm) thick fully panelled shutters.	Sq.m.	2,587.50	9,655.56	16.5
			Sq.ft.	240.47	897.36	16.5.14
		c) 1.5" (38 mm) thick fully panelled shutters.	Sq.m.	2,560.48	8,543.19	16.5
			Sq.ft.	237.96	793.98	16.5.14
16-8	Providing and fixing 1.5" (38 mm) thick fully panelled First class deodar wood shutter fixed with ply/ hard board/ chip board/ A.C. sheet and with approved iron hinges and tower bolts.	d) 1.25" (32 mm) thick fully panelled shutters.	Sq.m.	2,143.70	7,568.33	16.3
			Sq.ft.	199.23	703.38	16.4
		a) Fixed with 5 ply (6 mm) teak wood ply	Sq.m.	1,883.07	6,693.25	16.5
			Sq.ft.	175.00	622.05	16.6
		b) Fixed with 3 ply (3 mm) teak wood ply	Sq.m.	1,883.07	5,413.47	16.5
			Sq.ft.	175.00	503.10	16.6
		c) Fixed with 5/16" (8 mm) thick hard board.	Sq.m.	1,328.50	5,223.60	16.5
			Sq.ft.	123.45	485.45	16.6
		d) Fixed with 1/4" (6 mm) thick hard board.	Sq.m.	1,328.50	4,080.76	16.5
			Sq.ft.	123.45	379.25	16.6
		e) Fixed with 3/16" (5 mm) thick hard board.	Sq.m.	776.90	2,835.77	16.5
	Sq.ft.	72.20	263.55	16.6		
16-8	Providing and fixing 1.5" (38 mm) thick fully panelled First class deodar wood shutter fixed with ply/ hard board/ chip board/ A.C. sheet and with approved iron hinges and tower bolts.	f) Fixed with 1/2" (13 mm) thick chip board (500 Kg./cu.m)	Sq.m.	2,393.69	9,465.24	16.5
			Sq.ft.	222.45	879.65	16.6
		g) Fixed with 5 ply (6 mm) commercial ply	Sq.m.	1,328.50	4,046.05	16.5
			Sq.ft.	123.45	376.05	16.6
16-8	Providing and fixing 1.5" (38 mm) thick fully panelled First class deodar wood shutter fixed with ply/ hard board/ chip board/ A.C. sheet and with approved iron hinges and tower bolts.	h) Fixed with 3 ply (3 mm) commercial ply	Sq.m.	1,328.50	2,745.48	16.5
			Sq.ft.	123.45	255.15	16.6
		i) Fixed with 1/4" (6 mm) thick plain A.C. sheet.	Sq.m.	1,328.50	3,973.33	16.5
	Sq.ft.	123.45	369.25	16.6		
16-9	Providing and fixing First class deodar wood shutters fully glazed with glass of approved quality and approved brass hinges, tower bolts, deodar wood beading and putty packing to glasses as required.				16.3	
					16.4	
					16.5	
					16.14	

Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
a)	2" (50 mm) thick fully glazed shutters with 1/4" (6 mm) thick plain imported glass.				
i)	Glass to be provided	Sq.m. Sq.ft.	2,345.20 217.95	10,887.07 1,011.80	
ii)	Glass not included	Sq.m. Sq.ft.	1,981.60 184.15	8,331.61 774.30	
b)	1.75" (44 mm) thick fully glazed shutters with 1/4" (6mm) thick plain imported glass				
i)	Glass to be provided	Sq.m. Sq.ft.	2,263.40 210.35	9,757.03 906.80	
ii)	Glass not included	Sq.m. Sq.ft.	2,073.20 192.70	8,409.90 781.60	
c)	1.5" (38 mm) thick fully glazed shutters with 1/4" (5 mm) thick plain local glass				
i)	Glass to be provided	Sq.m. Sq.ft.	1,417.85 131.75	7,693.88 715.05	
ii)	Glass not included	Sq.m. Sq.ft.	1,128.50 104.90	6,556.29 609.30	
d)	1.25" (32mm) thick fully glazed shutters with 1/4" (5mm) thick plain local glass				
i)	Glass to be provided	Sq.m. Sq.ft.	1,279.84 118.95	6,641.94 617.30	
ii)	Glass not included	Sq.m. Sq.ft.	1,026.41 95.40	5,690.60 528.85	
e)	Considering a fully glazed ventilator 2'-0"x1'-6" with 2.5" x 3" single leaf top hung.				
i)	Glass to be provided	Sq.m. Sq.ft.	622.25 57.85	5,260.74 488.90	
ii)	Glass not included	Sq.m. Sq.ft.	518.55 48.20	4,038.03 375.30	
16-10	Providing and fixing First class deodar wood shutters partly panelled and partly glazed with plain glass of approved quality, brass hinges, tower bolts, deodar wood beading and putty packing for glass as required.				16.3 16.4 16.6
a)	Considering a door 5'-6" x 7'-0" with frame 2.5" x 5" double leaf with only two wooden panels 2' high approx. and the rest portion fully glazed with 1/4" (6mm) thick glass				16.14 16.10.6
i)	Glass to be provided	Sq.m. Sq.ft.	1,474.30 137.00	6,879.06 639.30	

Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
ii)	Glass not included	Sq.m. Sq.ft.	1,304.40 121.25	5,395.10 501.40	
b)	1.75" (44mm) thick partly panelled and partly glazed shutters with 1/4" (6mm) thick plain imported glass				
i)	Glass to be provided	Sq.m. Sq.ft.	1,332.48 123.85	8,191.88 761.35	
ii)	Glass not included	Sq.m. Sq.ft.	1,181.75 109.85	7,819.17 726.70	
c)	Considering a door 3'-0" x 7'-0" with frame 2.5" x 4" single leaf with only one panel high and glazed in four parts with 1/4" (5mm) thick glass				
i)	Glass to be provided	Sq.m. Sq.ft.	1,615.25 150.10	9,143.74 849.80	
ii)	Glass not included	Sq.m. Sq.ft.	1,675.40 155.70	7,925.23 736.55	
d)	1.25" (32mm) thick partly panelled partly glazed shutters with 1/4" (5mm) thick plain local glass				
i)	Glass to be provided	Sq.m. Sq.ft.	1,608.87 149.50	8,199.14 762.00	
ii)	Glass not included	Sq.m. Sq.ft.	1,356.10 126.05	7,904.38 734.60	
e)	Considering a door 2'-0" x 4'-0" with frame 2.5" x 4" single leaf with bottom portion panelled with wood and the rest three panels glazed using 1/4" (5 mm) thick glass				
i)	Glass to be provided	Sq.m. Sq.ft.	898.10 83.45	6,224.39 578.45	
ii)	Glass not included	Sq.m. Sq.ft.	785.79 73.05	4,911.22 456.45	
16-11	Providing and fixing 1.5" (38mm) thick pressed veneered door shutters fully flushed with First class wood veneering on all faces and sides fixed over deodar wood cavited core and frame work of not less than 4" (100mm) wide strips all round with approved brass hinges, tower bolts as required.				16.4 16.6 16.3.4 16.3.3
a)	Teak wood				16.3.2
i)	3 Ply	Sq.m. Sq.ft.	2,525.25 234.70	7,678.95 713.65	
ii)	5 Ply	Sq.m. Sq.ft.	2,525.25 234.70	8,485.95 788.65	
b)	Shisham wood				
i)	3 Ply	Sq.m. Sq.ft.	2,525.25 234.70	6,871.95 638.65	

Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
ii)	5 Ply	Sq.m. Sq.ft.	2,525.25 234.70	7,614.40 707.65	
c)	Commercial wood				
i)	3 Ply	Sq.m. Sq.ft.	2,525.25 234.70	6,871.95 638.65	
ii)	5 Ply	Sq.m. Sq.ft.	2,525.25 234.70	7,194.75 668.65	
16-12	Providing and fixing 1.5" (38 mm) thick pressed veneered door shutters fully flushed with First class wood veneering on all faces and sides fixed over partial wood caved core and frame work of not less than 4" (100mm) wide strips all round with approved iron hinges, tower bolts as required.				16.4 16.5 16.3.4 16.3.3  16.3.2
a)	Teak wood				
i)	3 Ply	Sq.m. Sq.ft.	2,376.75 220.90	5,813.15 540.25	
ii)	5 Ply	Sq.m. Sq.ft.	2,376.75 220.90	6,620.15 615.25	
b)	Shisham wood				
i)	3 Ply	Sq.m. Sq.ft.	2,376.75 220.90	5,006.15 465.25	
ii)	5 Ply	Sq.m. Sq.ft.	2,376.75 220.90	5,748.60 534.25	
c)	Commercial wood				
i)	3 Ply	Sq.m. Sq.ft.	2,376.75 220.90	5,006.15 465.25	
ii)	5 Ply	Sq.m. Sq.ft.	2,376.75 220.90	5,328.95 495.25	
16-13	Providing and fixing sliding shutters clad with plain galvanized iron sheet 24 gauge (1.05mm) on front face over wood frame work 2"x3" (50mmx75mm) pulleys 4" (100mm) dia. With guides of T- iron 2.5"x2.5"x0.25" (65mmx65mmx6mm) at top and bottom T-iron brackets to walls and top pulleys 2"x2"x0.25" (50mmx50mmx6mm) covering channels for pulleys embedding in cement concrete 1:2:4, bottom guide with rag bolts 6" (150mm) long including locking				16.3 16.5 16.6.5
a)	Deodar wood	Sq.m. Sq.ft.	2,191.52 203.65	9,724.46 903.75	
b)	Shisham wood	Sq.m. Sq.ft.	2,230.89 207.35	8,686.06 807.25	
16-14	Providing and fixing 1.25" (32mm) thick First class deodar wood sliding shutters fully glazed with 1/4" (6mm) thick glass panes including fixing guide rails, brass roller, same wood beading with putty packing, cutting and making good damage to walls and floors.	Sq.m. Sq.ft.	2,110.40 196.15	11,043.66 1,026.35	16.3 16.5 16.9

Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
16-15	Providing and fixing 1.25" (32mm) thick First class deodar wood sliding shutters partly panelled and partly glazed with 1/4" (6mm) thick glass panes including fixing guide rails, brass roller, same wood beading with putty packing, cutting and making good damage to walls and floors	Sq.m. Sq.ft.	1,815.50 168.75	8,702.15 808.75	16.9
16-16	Providing and fixing 1.5" (38mm) thick pressed veneered sliding shutters fully flushed with wood veneering on all faces and sides fixed over deodar wood cavited core and frame work of not less than 4" (100mm) wide strip all around including fixing guide rails, brass rollers, cutting and making good damages to walls and floor as required.				16.3 16.4
	a) Teak wood 3 ply	Sq.m. Sq.ft.	2,110.40 196.15	8,838.69 821.45	
	b) Commercial wood 3 ply	Sq.m. Sq.ft.	2,110.40 196.15	6,095.57 566.50	
16-17	Providing and fixing 1.5" (38mm) thick pressed veneered sliding shutters partly glazed with glass panes 7.3kg/Sq.m. and partly veneered with wood veneering on all faces and sides fixed over deodar wood cavited core and frame work of not less than 4" (100mm) wide strip all around including fixing guide rails, brass rollers, deodar wood beading with putty packing to glasses, cutting and making good damages to walls and floors as required but excluding the cost of extra glazing and grills sand witted between glasses as required.				16.3 16.4 16.15 16.14
	a) Teak wood 3 ply	Sq.m. Sq.ft.	2,110.40 196.15	7,175.20 666.85	
	b) Commercial wood 3 ply	Sq.m. Sq.ft.	2,110.40 196.15	5,243.96 487.35	
16-18	Providing and fixing 1-1/2" (38mm) thick First class deodar wood shutters having 3/4" (19mm) thick batten, ledges and bracing battened, ledged and braced, making rebated or tongued and grooved joints with approved T- iron hinges and tower bolts as required.	Sq.m. Sq.ft.	1,081.40 100.50	7,170.66 666.40	16.3 16.4 16.5
16-19	Providing and fixing 1.5" (38mm) thick First class deodar wood shutters fully fitted with iron bars 5/8" (16mm) dia at 4" (100mm) c/c including cost of iron bars, approved iron hinges, tower bolts as required	Sq.m. Sq.ft.	1,657.58 154.05	9,537.53 886.40	16.3 16.4 16.5
16-20	Providing and fixing 1.5" (38mm) thick First class deodar wood shutters fully wire gauzed with galvanized iron wire gauze 24 gauge (1.06mm) and 12 mesh to 1" (25mm) with approved iron butt hinges and tower bolts	Sq.m. Sq.ft.	1,606.24 149.30	8,343.00 775.35	16.3 16.10 16.5

Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
16-21	Providing and fixing 1.25" (32mm) thick First class deodar wood shutters partly wire gauzed with galvanized iron wire gauze 24 gauge (1.06mm) and 12 mesh to an inch (25mm) and partly panelled with deodar wood, approved iron butt hinges and tower bolts as required	Sq.m. Sq.ft.	2,296.98 213.45	10,641.91 989.05	
16-22	Providing and fixing 1.25" (32mm) thick First class deodar wood shutters fully fixed with expanded metal of 3/4"x2.5" (19mmx64mm) mesh 12 gauge (2.12mm) with approved iron butt hinges and tower bolts as required	Sq.m. Sq.ft.	1,532.90 142.45	7,067.54 656.85	16.3 16.10 16.5
16-23	Providing and fixing 1.25" (32mm) thick First class deodar wood stair case fixed glazing with glass panes 24 oz.(7.3 kg/sq.m.) deodar wood beading and putty packing as required.	Sq.m. Sq.ft.	2,136.52 198.55	5,988.76 556.60	16.16
16-24	Providing and fixing 1.25" (32mm) thick First class deodar wood swing shutters fully panelled including iron helical spring hinges as required.				16.6
	a) Panelled with deodar wood	Sq.m. Sq.ft.	1,351.40 125.60	5,928.20 550.95	
	b) Panelled with 5/16" (8 mm) hard board	Sq.m. Sq.ft.	1,037.55 96.45	4,116.96 382.60	
16-25	Providing and fixing 1.25" (32mm) thick First class deodar wood swing shutters fully glazed with glass panes 5mm thick, deodar wood beading with putty packing to glasses with iron helical spring hinges as required.	Sq.m. Sq.ft.	1,247.65 115.95	6,220.20 578.10	16.6 16.14
16-26	Providing and fixing 1.25" (32mm) thick pressed veneered swing shutters fully flushed with teakwood veneering 1/8" (3mm) thick on all faces and sides fixed over deodar wood cavities core framework of not less than 4" (100mm) wide strip allround with brass double action helical spring hinges as required.	Sq.m. Sq.ft.	1,223.30 113.70	9,109.04 846.55	16.3 16.4
16-27	Providing and fixing First class deodar wood trellis work (jafri) with battens forming apertures 1.5"x1.5" (38mmx38 mm) but excluding cost of frame work as required.				16.3 16.4
	a) 3/8" x 1.5" (9 mm x 38 mm) battens forming aperture	Sq.m. Sq.ft.	469.40 43.60	2,157.70 200.55	
	b) 1/2" x 1.5" (13 mm x 38 mm) battens forming aperture	Sq.m. Sq.ft.	547.40 50.85	4,513.67 419.50	

Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
	c) Extra over item 16-27 (a or b) for providing doors or windows frame 2"x1.5" (50mmx32mm) in trellis (jafri) work of First class deodar wood including cost of wood work approved iron hinges and tower bolts (clear opening to be measured).	Sq.m. Sq.ft.	368.25 34.20	2,780.20 258.40	
16-28	Providing and fixing 1.25" (32mm) thick First class deodar wood partition fully panelled with the same wood as required	Sq.m. Sq.ft.	1,619.34 150.50	12,207.78 1,134.55	16.3 16.4
16-29	Providing and fixing 1.25" (32mm) thick First class deodar wood partition fully glazed with glass panes 6 mm with deodar wood beading with putty packing to glasses as required.	Sq.m. Sq.ft.	2,089.22 194.15	9,604.75 892.65	16.3 16.4
16-30	Providing and fixing wooden partition fully flushed with hard board 5/16" (8mm) thick on one face fixed on First class deodar wood frame 3"x1.25" (75mmx32mm) at spacing not exceeding 24" (600mm) horizontal and 18" (450mm) vertical including necessary wooden beading as required.	Sq.m. Sq.ft.	1,837.38 170.75	6,653.34 618.35	16.14 16.3 16.4
16-31	Providing and fixing wooden partition fully flushed with hard board 5/16" (8mm) thick on both faces fixed on partial wood frame 3"x1.25" (75 mm x 32 mm) at spacing not exceeding 24" (600 mm) horizontal and 18" (450 mm) vertical including necessary wooden beading as required.	Sq.m. Sq.ft.	1,809.55 168.15	5,509.35 512.00	16.3 16.4
16-32	Providing and fixing 2" (50mm) thick First class deodar wood shutters framed (2"x2.5") braced and flushed with plain G.I. sheet 24 gauge (1.05mm) for garrage and godown including cost of male and female hinges, locking arrangement and other iron fittings, cutting walls and making good the same as required.	Sq.m. Sq.ft.	1,322.10 122.85	5,963.16 554.20	16.3 16.4
16-33	Providing and fixing 2" (50mm) thick First class deodar wood fully panelled shutters for garrage and/or godown including cost of male and female hinges, locking arrangement and other iron fittings, cutting walls and making good the same as required.	Sq.m. Sq.ft.	1,439.15 133.75	7,382.75 686.15	16.3 16.4 16.5
16-34	Providing and fixing First class deodar wood 3" thick gate as per design approved by the Engineer in charge with necessary male and female hinges, stopper, locking arrangements, cutting wall and making good the same as required.	Sq.m. Sq.ft.	2,952.00 274.35	18,893.39 1,755.90	16.3 16.5 16.7



Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
16-35	Providing and fixing 3/4" (19mm) thick First class deodar wood tongued and grooved plain boarding, or lining on walls, jambs, skirting, cornice, chair rails and archivolt fixed on deodar wood frame backing with rawl plugs on screws, but excluding cost of backing and polishing as required.	Sq.m.	1,540.93	4,186.82	16.3
		Sq.ft.	143.20	389.10	16.4
16-36	Providing and fixing 1/2" (13mm) thick First class deodar wood panelling in framework 3"x1.5" (75mmx38mm) of same wood on walls, jambs, skirting, cornice, chair rails and archivolt fixed on framed deodar wood backing with rawl plugs or screws but excluding the cost of backing and polishing as required.	Sq.m.	1,503.36	10,519.43	16.3
		Sq.ft.	139.70	977.65	16.4
16-37	Providing and fixing 1" (25mm) deodar wood frame backing of approved shape and section in wall panelling or lining, skirting, cornice, chair rails and archivolt fixed with screws or rawl plugs as required.	Sq.m.	1,769.51	14,297.85	16.3
		Sq.ft.	164.45	1,328.80	16.4
16-38	Providing and fixing 1" (25mm) deodar wood planking in shelves, almirahs with deodar wood batten 1"x1.5" (25mmx38mm) fixed in walls with screws or rawl plugs as required.	Sq.m.	378.80	3,164.63	16.3
		Sq.ft.	35.20	294.11	16.4
16-39	Providing and fixing 1" (25mm) deodar wood planking in shelves on deodar wood brackets each having cross sectional area approx. 4 sq.inches (26 sq.cm.) and spaced at 4 ft. (1.2m) c/c fixed to walls with screws or rawl plugs as required.	Sq.m.	528.30	5,699.50	16.3
		Sq.ft.	49.10	529.70	16.4
16-40	Providing and fixing G.I. wire gauze of 22 gauze (1.15 mm) and 144 mesh per sq.inch.				16.13
a)	With First class deodar wood beading upto one square inch (6.45 sq.cm.) 2"x1/2" section of approved design with iron screws over existing frame as required.	Sq.m.	138.70	2,378.65	
		Sq.ft.	12.90	221.05	
b)	Without beading	Sq.m.	41.60	1,921.25	
		Sq.ft.	3.85	178.55	
16-41	Providing and fixing plastic wire gauze of and 22 mesh per sq.inch.				16.13
a)	With First class deodar wood beading 3" x 1/2" over existing frame	Sq.m.	138.70	1,414.80	
		Sq.ft.	12.90	131.50	

Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
16-42	b) Without beading Providing and fixing Aluminium wire gauze 30 gauge (0.85 mm) and 14 mesh per sq.inch.	Sq.m.	41.60	952.45	16.13
		Sq.ft.	3.85	88.52	
	a) With First class deodar wood beading 3" x 1/2" over existing frame	Sq.m.	138.70	1,414.80	
		Sq.ft.	12.90	131.50	
16-43	b) Without beading Providing and fixing expanded metal 3/4"x2.5" (19mm x 64mm), 12 gauge (2.12mm) of approved quality with First class deodar wood beading upto one sq.inch (2"x1/2") as required and 22 mesh per sq.inch.	Sq.m.	41.60	952.45	16.13
		Sq.ft.	3.85	88.50	
16-44	Providing and fixing with sunken iron screws over existing base of iron or wood First class shisham wood moulding as hand rails, studs, lathe etc. of approved design 4 to 6 sq.inch (26 to 39 sq.cm.) in cross section as required.	Sq.m.	138.70	898.93	16.13
		Sq.ft.	12.90	83.55	
16-45	Providing and fixing with sunken iron screws over existing base of iron or wood First class deodar wood moulding as hand rails, studs, lathe etc. of approved design 4 to 6 sq.inch (26 to 39 sq.cm.) in cross section as required.	R.M.	311.00	1,829.85	16.5.17
		R.ft.	94.80	557.75	
16-46	Providing and fixing with sunken iron screws and rawl plugs First class shisham wood moulded picture rails upto 6sq.inch (39 sq.cm.) in cross section on walls as required.	R.M.	307.40	1,846.91	16.5.17
		R.ft.	93.70	562.95	
16-47	Providing and fixing with sunken iron screws and rawl plugs First class deodar wood moulded picture rails upto 6sq.inch (39 sq.cm.) in cross section on walls.	R.M.	107.75	1,700.46	16.5.17
		R.ft.	32.85	518.30	
16-48	Providing and fixing with sunken iron screws and rawl plugs First class deodar wood moulded picture rails upto 6sq.inch (39 sq.cm.) in cross section on walls.	R.M.	152.15	941.80	16.5.17
		R.ft.	46.40	287.05	
16-49	Providing and fixing with iron screws 3/4" (19 mm) thick First class deodar wood eave or barge board.	Sq.m.	357.75	2,356.63	16.5.17
		Sq.ft.	33.25	219.00	
16-49	Providing and fixing First class wood railing of approved design and sections in stair cases, balcony or parapet with same wood balusters of approved design and sections fixed into stringers, steps or walls having hand rail with turning, bend posts, newal posts fixed with flat iron and screws including cutting holes in stringers walls steps and making good as required but excluding cost of stringers, steps and flat iron.				16.16

Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
16-50	a) Shisham wood	cu.m cu.ft	13,788.55 390.83	32,770.68 928.87	16.3 16.5 16.16
	b) Deodar wood	cu.m cu.ft	12,202.92 345.89	32,365.22 917.38	
16-51	a) Shisham wood	cu.m cu.ft	7,465.77 211.61	48,735.46 1,381.39	16.18
	b) Deodar wood	cu.m cu.ft	5,441.59 154.24	39,277.59 1,113.31	
16-52	Providing and fixing 1" (25mm) thick fine cork sheet with aproved adhesive to shutters and frame for sound proofing and/or for airconditioning shutters including levelling, finishing.	cu.m cu.ft	384.30 10.89	2,960.55 83.92	16.18
16-52	Providing and fixing 3/4" (19mm) thick foam rubber sheet with aproved adhesive and edge metalling screwed to shutters and frame for sound proofing and/or for airconditioning shutters including levelling, finishing, polishing metal portion.	Sq.m. Sq.ft.	1,214.35 112.85	4,206.05 390.90	16.18
16-53	Providing and fixing 1/2" (13mm) thick `Namda' with aproved adhesive and edge metalling screwed to shutters and frame for sound proofing and/or for airconditioning shutters including levelling, finishing, polishing metal portion.	Sq.m. Sq.ft.	1,104.55 102.65	2,330.40 216.60	16.18
16-54	Providing and fixing First class deodar wood projected beading upto one sq.inch.(6.5 sq.cm.) wide in section, designed, fixed around the panels of doors, windows of any description.	R.M.	128.00	246.50	16.3
		R.ft.	11.90	22.90	16.4
16-55	Providing and fixing 1/2" (13mm) thick First class deodar wood simple moulded or plain pelmet fixed with iron frame 3/4"x3/4"x1/4" with screws including cost of painting three coats on iron work only with approved anti-corrosive paints.	Sq.m.	3,124.55	5,065.57	16.3
		Sq.ft.	290.40	470.80	16.4
16-56	Providing and fixing 1/2" (13mm) thick First class deodar wood simple moulded or plain pelmet fixed with same wood brackets, screws, rawl plugs etc.	Sq.m. Sq.ft.	3,145.25 292.30	4,864.32 452.05	16.3 16.4

Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
16-57	Providing and fixing 1.25" (32mm) thick deodar wood First class wooden brackets for holding curtain rods moulded to details, fixed to wall or wood with screws, rawl plugs etc.	Sq.m. Sq.ft.	3,954.95 367.55	9,529.13 885.60	16.15
16-58	Providing and fixing 3/4" (19mm) thick First class wood peg boards with levelled edges pegs of approved design fixed at 10" (250mm) centre to centre with screws and rawl pegs.				16.3 16.4
a)	Shisham wood with brass pegs	Sq.m. Sq.ft.	2,331.35 216.65	12,659.95 1,176.60	
b)	Shisham wood with iron pegs	Sq.m. Sq.ft.	2,331.35 216.65	9,252.65 859.90	
c)	Deodar wood with brass pegs	Sq.m. Sq.ft.	1,733.55 161.10	12,553.55 1,166.70	
d)	Deodar wood with iron pegs	Sq.m. Sq.ft.	1,733.55 161.10	9,146.20 850.00	
16-59	Providing and fixing deodar wood First class wooden curtain rods 1" to 1.25" (25mm to 32mm) dia with end stay.	R.M. R.ft.	140.60 13.05	316.65 29.45	16.15
16-60	Providing and fixing 3/4" (19mm) dia. approved tubes with sockets as curtain rods.				
a)	Brass tube with brass socket	R.M. R.ft.	84.95 25.90	1,152.70 351.35	
b)	Chromium plated tube with C.P. socket	R.M. R.ft.	84.95 25.90	920.60 280.60	
16-61	Providing and fixing curtain rails with double roller runners, clamps, including cost of C.P. brass screws and rawl plugs.				16.15 16.3
a)	C.P. brass curtain rails	R.M. R.ft.	169.90 15.80	3,160.15 293.70	
b)	Aluminium curtain rails	R.M. R.ft.	169.90 15.80	2,819.95 262.10	
16-62	Providing and fixing approved rings for curtain.				16.15
a)	Brass rings				
i)	1.25" (32 mm) dia.	Each	1.70	16.70	
ii)	1" (25 mm) dia.	Each	1.70	13.70	
b)	Chromium plated rings				

Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
i)	1.25" (32 mm) dia.	Each	1.70	48.60	
ii)	1" (25 mm) dia.	Each	1.70	32.95	
c)	Plastic rings				
i)	1.25" (32 mm) dia.	Each	1.70	11.40	
ii)	1" (25 mm) dia.	Each	1.70	10.00	
16-63	Providing and fixing approved quality heavy duty window stay (casement) with 1.25" (32mm) screw.				16.3
a)	Brass 9" (225 mm) long window stay fixed with brass	Each	78.15	223.15	16.4
b)	Iron 9" (225 mm) long window stay fixed with brass	Each	78.15	155.65	
16-64	Providing and fixing approved 10" (250mm) brass heavy duty quadrant stay with 1.25" (32mm) screw.	Each	78.15	253.15	16.3
					16.4
16-65	Providing and fixing approved heavy brass adjustable door holder with 3" (75mm) brass screws or with specially supplied screws.				16.15
a)	Showell (5510) foot operated bronze 8.5" (216 mm) size	Each	637.50	1,876.10	
b)	Showell (5511) bronze, spring action type 2"x1.5" (50mmx38mm) lock plate and 2.25"x7/8" (57mmx22mm) spring.	Each	637.50	1,938.60	
c)	Showell (5505/5506) bronze, door holder with rubber stop 7"x1.88" (175mmx41mm) plate and rubber stops 1.5" (38mm) dia.	Each	637.50	1,839.31	
16-66	Providing and fixing locks with brass or specially supplied screws of approved design including cutting wood to required shape and size with two operating keys as approved by Engineer incharge.				16.15
a)	Union lock (Local)	Each	387.50	5,215.65	
b)	Chinese lock	Each	387.50	1,932.50	
c)	Yale lock	Each	387.50	2,575.37	
d)	Hyundi lock	Each	387.50	2,318.75	
e)	Main door lock kwikset make	Each	387.50	3,319.44	
f)	Hydraulic door closer, New star make	Each	387.50	2,447.50	
g)	Hydraulic door closer, HNH make	Each	387.50	2,254.40	

Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
16-67	Providing and fixing approved brass drawer and cupboard lock with brass screws including two operating keys	Each	250.00	391.65	16.15
16-68	Providing and fixing approved standard finger plate with screws.				16.15
a)	Aluminium finger plate 6" x 2.25" (150 mm x 57 mm)	Each	178.15	634.40	
b)	Brass finger plate 6" x 2.25" (150 mm x 57 mm)	Each	178.15	580.15	
16-69	Providing and fixing approved helical brass spring hinges 6" (150mm) size with brass screws.				16.15
a)	Single action	Each	154.40	595.61	
b)	Double action	Each	190.00	694.82	
16-70	Providing and fixing approved helical iron spring hinges 6" (150mm) size with iron screws.				16.15
a)	Single action	Each	154.40	488.15	
b)	Double action	Each	190.00	586.25	
16-71	Providing and fixing approved piano hinges of sheet 3/4" (19mm) wide with brass screws.				16.15
a)	Brass piano hinges	R.M. R.ft.	623.40 190.00	979.55 298.55	
b)	Iron piano hinges	R.M. R.ft.	389.60 118.75	956.80 291.65	
16-72	Providing and fixing approved parliament hinges with screws.				16.15
a)	Brass parliament hinges 5" x 5" (125mm x 125mm) size, 12gauge	Each	142.50	786.50	
b)	Brass parliament hinges 4" x 4" (100mm x 100mm) size, 12gauge	Each	118.75	962.75	
c)	Iron parliament hinges 5" x 5" (125mm x 125mm) size, 12gauge	Each	142.50	347.20	
d)	Iron parliament hinges 4" x 4" (100 mm x 100 mm) size, 12gauge	Each	118.75	323.45	
16-73	Providing and fixing approved heavy type G.I tee hinges with screws.				16.15
a)	Tee hinges 18" (450 mm) size	Each	118.75	287.50	
b)	Tee hinges 12" (300 mm) size	Each	118.75	271.90	
c)	Tee hinges 10" (250 mm) size	Each	118.75	248.45	

Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
16-74	Providing and fixing approved sliding bolts or aldrop bolt of sizes with screws of same metal and G.I. bolts and nuts				16.15
	a) Brass sliding bolts				
	i) 12" x 3/4" (300 mm x 19 mm) size	Each	95.00	1,480.00	
	ii) 10" x 5/8" (250 mm x 16 mm) size	Each	95.00	1,230.00	
	iii) 9" x 5/8" (225 mm x 16 mm) size	Each	95.00	1,105.00	
	iv) 6" x 1/2" (150 mm x 13 mm) size	Each	95.00	747.50	
	b) Chromium plated brass sliding bolts				
	i) 12" x 3/4" (300 mm x 19 mm) size	Each	95.00	1,008.82	
	ii) 10" x 5/8" (250 mm x 16 mm) size	Each	95.00	917.50	
	iii) 9" x 5/8" (225 mm x 16 mm) size	Each	95.00	498.75	
	iv) 6" x 1/2" (150 mm x 13 mm) size	Each	95.00	428.75	
	c) Iron sliding bolts				
	i) 12" x 3/4" (300 mm x 19 mm) size	Each	95.00	503.75	
	ii) 10" x 5/8" (250 mm x 16 mm) size	Each	95.00	442.50	
	iii) 9" x 5/8" (225 mm x 16 mm) size	Each	95.00	411.25	
	iv) 6" x 1/2" (150 mm x 13 mm) size	Each	95.00	367.50	
16-75	Providing and fixing approved tower bolts with screws of same metal				16.15
	a) Brass tower bolts				
	i) 6" (150 mm) size	Each	47.50	199.50	
	ii) 9" (225 mm) size	Each	47.50	233.50	
	iii) 12" (300 mm) size	Each	47.50	289.00	
	b) Chromium plated brass tower bolts				
	i) 6" (150 mm) size	Each	47.50	574.50	
	ii) 9" (225 mm) size	Each	47.50	660.29	
	iii) 12" (300 mm) size	Each	47.50	843.71	
	c) Aluminium tower bolts				
	i) 4" (100 mm) size	Each	47.50	212.00	

Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.				
			Labour	Composite					
16-76	ii) 6" (150 mm) size	Each	47.50	271.00	16.15				
	iii) 8" (200 mm) size	Each	47.50	351.50					
	Providing and fixing approved heavy duty safety hasp and staple with necessary screws of the same metal								
	a) Brass hasp and staple								
	i) 5" (125 mm) size	Each	35.65	704.65					
	ii) 4" (100 mm) size	Each	35.65	692.15					
	iii) 3" (75 mm) size	Each	35.65	637.65					
	iv) 2" (50 mm) size	Each	35.65	625.15					
16-77	b) Iron hasp and staple	Each	35.65	167.20	16.15				
	i) 5" (125 mm) size								
	ii) 4" (100 mm) size								
	iii) 3" (75 mm) size								
	iv) 2" (50 mm) size								
	c) Chromium plated								
	i) 5" (125 mm) size								
	ii) 4" (100 mm) size								
	iii) 3" (75 mm) size								
	iv) 2" (50 mm) size								
	Providing and fixing approved heavy duty safety handle with necessary screws of the same metal								
	a) Brass								
	i) 7" (175 mm) size					Each	29.70	649.70	
	ii) 5" (125 mm) size					Each	29.70	554.70	
	iii) 4" (100 mm) size					Each	29.70	504.70	
	b) Iron handle								
	i) 5" (125 mm) size					Each	29.70	199.10	
	ii) 4" (100 mm) size					Each	29.70	173.45	
c) Chromium plated									
i) 7" (175 mm) size	Each	29.70	579.70						
ii) 5" (125 mm) size	Each	29.70	485.95						
iii) 4" (100 mm) size	Each	29.70	460.95						



Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
16-78	Providing and fixing approved curved or circular 5/8" (16mm) dia. rod handle upto 5" (125mm) size with brass screws				16.15
a)	Brass	Each	66.25	241.25	
b)	Chromium plated	Each	66.25	216.25	
16-79	Providing and fixing approved 6" (150mm) size fancy brass heavy type door knob (handle) with plates and screws	Each	158.75	1,141.25	16.15
16-80	Providing and fixing approved section hook and eye				16.15
a)	Brass				
i)	6" (150 mm) size	Each	23.75	773.75	
ii)	4" (100 mm) size	Each	23.75	461.25	
b)	Galvanized iron				
i)	6" (150 mm) size	Each	23.75	242.50	
ii)	4" (100 mm) size	Each	23.75	211.25	
16-81	Providing and fixing floor socket of approved size and section in floors for fixing tower bolts including cutting and making good the floor.				16.15
a)	Brass socket	Each	48.15	188.15	
b)	Iron socket	Each	48.15	59.35	
16-82	Providing and fixing wooden box type wardrobe 22" (550mm) deep including 3/4" (19mm) thick boxing and shelves hanger rods, hardboard 3/16" (5mm) thick back drawers, brass fitting, locking arrangement, handles, internal bolts, shoe rods including painting.				16.3 16.5
a)	Deodar wood boxing, shelves, leaves and hardboard masonite 3/16" (5mm) thick back	Sq.m. Sq.ft.	2,808.41 260.04	10,550.03 976.85	
b)	Kail wood boxing and deodar wood shelves, leaves and hard board masonite 3/16" (5mm) thick back	Sq.m. Sq.ft.	2,763.84 255.91	7,478.00 692.41	
c)	Laminated board 3/4" (19mm) thick boxing, shelves and back with 3/4" thick deodar wood vaneer board	Sq.m. Sq.ft.	2,545.90 235.73	6,606.09 611.68	
16-83	Making and fixing cleats for doors and windows including hinges and screws.	Each	54.40	230.45	16.5
16-84	Making and fixing cleats with brass hooks for roof ventilators	Each	59.40	236.55	16.5

Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
16-85	Making and fixing 1" (25mm) thick partal wood notice board with frame.	Sq.m. Sq.ft.	866.80 80.55	2,614.80 243.00	16.4
16-86	Providing and fixing glass panes in wooden or steel frames of doors, windows and ventilators etc. complete in all respect				16.14
	a) 5 mm. thick glass panes				
	i) Clear glass local	Sq.m. Sq.ft.	110.00 10.20	674.60 62.70	
	ii) Unclear glass local	Sq.m. Sq.ft.	110.00 10.20	529.45 49.20	
	iii) Tinted glass local	Sq.m. Sq.ft.	110.00 10.20	793.55 73.75	
	b) 6 mm. thick glass panes				
	i) Clear glass local	Sq.m. Sq.ft.	110.00 10.20	1,251.60 116.30	
	ii) Unclear glass local	Sq.m. Sq.ft.	110.00 10.20	1,126.80 104.70	
	iii) Tinted glass local	Sq.m. Sq.ft.	110.00 10.20	1,509.05 140.25	
	iv) Clear glass imported	Sq.m. Sq.ft.	110.00 10.20	2,925.30 271.85	
	v) Tinted glass imported	Sq.m. Sq.ft.	110.00 10.20	3,141.90 292.00	
	c) 3 mm. thick glass panes				
	i) Clear glass local	Sq.m. Sq.ft.	110.00 10.20	520.55 48.40	
	ii) Unclear glass local	Sq.m. Sq.ft.	110.00 10.20	376.30 34.95	
16-87	Extra for respective payable item of ground floor				
	a) For first floor	% Increase	0.10	0.10	
	b) For each additional floor above first floor	% Increase	0.08	0.08	
16-88	Providing and fixing 3/4" (19mm) thick First class Kail wood tongued and grooved plain boarding, or lining on walls, jambs, skirting, cornice, chair rails and archivolt fixed on Kail wood frame backing with rawl plugs on screws, but excluding cost of backing and polishing as required.	Sq.m. Sq.ft.	1,540.93 143.21	3,324.06 308.95	