

## CHAPTER NO. 17

### WOOD WORK

#### Notes

- (i) Unless otherwise stated, the labour rates include rehandling of materials within 100 metres.
- (ii) Unless otherwise stated, the labour and through rates include all wastage of timber in sawing and cutting and sawing charges including carriage to and from saw mills.
- (iii) Through rates for items requiring use of wire gauge include the cost 140G gauge galvanised wire gauge.
- (iv) The labour rates given in this chapter include the cost of tools and plants and scaffolding (Labour and material) wherever required.
- (v) The rate for item No. 17.1 to 17.6 apply to simple wood work not involving any jointing such as beams battens etc. where jointing is involved as in case of roof trusses composite beams, etc., increase the labour and through rate by Rs. 2400/- per cu.m. In case of built -in-fixtures involving jointing increase the rates by Rs. 1600/- per cum
- (vi) The rates for item No. 17.10,17.11,17.15, 17.16 exclude the cost of sliding bolts, Tower bolts, handles but include the cost of labour for fixing them.
- (vii) In case fixed glazing is continuous to open able shutter, the area of fixed glazing will be measured up to central line of mullion if the area of fixed glazing exceeds 25 percent of the open able area. If the area of fixed glazing is up to 25 percent of the open able area then the whole area shall be measured as open able and paid for as such.
- (viii) The rates for aluminium fittings, as provided in this chapter, are only for the purposes of estimating and not for purchasing of fittings through contractor. All aluminium fittings shall be arranged by the department, and supplied to contractor free of cost for fitting.
- (ix) The wood work in chowkats of doors and windows shall be done at site, strictly as per P.W.D Specifications, Nothing extra shall be paid for wastage, or for dimensions, supplied beyond those specified and for horns. The length of each piece shall be measured overall, so as to include the projection for lenons. In case of mouldings, roundings circular rebates, circular and varying sections, the sectional area of the piece shall be taken as the area of the least square or rectangle from which such section can be cut, and nothing extra shall be paid for such moulding and rebates.

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
17.1	Deodar wood wrought planed and fixed in position	cum	3392.41	88180.33	3731.65	88519.57
17.2	Kail wood wrought planed and fixed in position	cum	3392.41	70594.88	3731.65	70934.12

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
17.3	Chil wood wrought planed and fixed in position	cum	3392.41	71424.54	3731.65	71763.78
17.4	Commercial hard wood such as Hollock (Non coniferous Timber other than teak Conforming to IS Specification no 1003 Kiln seasoned Wrought, planned and fixed in position	cum	3281.70	55358.83	3609.87	55687.00
17.5	Teak wood wrought planed and fixed in position	cum	3281.70	87524.11	3609.87	87852.28
17.6	Sal wood wrought, panelled and fixed in position	cum	3281.70	83694.91	3609.87	84023.08
17.7	Deodar wood planking planed on both sides i.e. based and fixed in position including nails and screws etc.					
	(a) 50mm thick	sqm	161.45	4434.20	177.60	4450.35
	(b) 45mm thick	sqm	155.41	4000.88	170.95	4016.42
	(c) 40mm thick	sqm	149.37	3567.57	164.31	3582.51
	(d) 30mm thick	sqm	138.22	2767.60	152.04	2781.42
	(e) 25mm thick	sqm	131.24	2267.61	144.36	2280.73
	(f) 20mm thick	sqm	124.26	1767.63	136.69	1780.06
	(g) 12.50mm thick	sqm	115.91	1167.66	127.50	1179.25
17.8	Kail wood planking planed on both sides rebated and fixed in position including nails and screws etc.					
	(a) 50mm thick	sqm	161.45	4060.85	177.60	4077.00
	(b) 45mm thick	sqm	155.41	3634.88	170.95	3650.42
	(c) 40mm thick	sqm	149.37	3148.92	164.31	3163.86
	(d) 30mm thick	sqm	138.22	2537.86	152.04	2551.68
	(e) 25mm thick	sqm	131.24	2080.94	144.36	2094.06
	(f) 20mm thick	sqm	124.26	1624.03	136.69	1636.46
	(g) 12.50mm thick	sqm	115.91	1075.76	127.50	1087.35

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
17.9	Teak wood planking planed on both sides rebated and fixed in position including nails screws etc.					
	(a) 50mm thick	sqm	194.71	4437.47	214.18	4456.94
	(b) 45mm thick	sqm	189.14	4007.63	208.05	4026.54
	(c) 40mm thick	sqm	183.56	3577.77	201.92	3596.13
	(d) 30mm thick	sqm	172.41	2718.06	189.65	2735.30
	(e) 25mm thick	sqm	166.83	2288.21	183.51	2304.89
	(f) 20mm thick	sqm	161.25	1858.34	177.38	1874.47
	(g) 12.50mm thick	sqm	152.87	1213.55	168.16	1228.84
17.10 (i)	Deodar wood doors shutter windows shutter including hinges, screw and cords etc. complete fixed in position					
	(a) Panelled, glazed or glazed and panelled.					
	(i) 40mm thick	sqm	320.64	2432.61	352.70	2464.67
	(ii) 35mm thick	sqm	317.99	2120.22	349.79	2152.02
	(iii) 30mm thick	sqm	317.99	1927.89	349.79	1959.69
	(b) Battened and framed					
	(i) 50mm thick	sqm	276.74	3611.09	304.41	3638.76
	(ii) 45mm thick	sqm	274.20	3431.01	301.62	3458.43
	(c) Battened and braced shutter 50mm thick complete.	sqm	277.86	3306.18	305.65	3333.97
17.10 (ii)	Deodar wood doors shutter with 12mm thick phenol Bonded BWP ply (Anchor Kit ply, Nova teak , or National or any other ISI approved quality) I/C hinges, screws, chocks & cords etc. Complete fixed in position (Single leaf)					
	(a) Phenol Bonded Ply Panel					
	(i) 40mm thick	sqm	309.40	2143.96	340.34	2174.90
	(ii) 35mm thick	sqm	307.34	1996.92	338.07	2027.65
	(iii) 30mm thick	sqm	305.23	1846.86	335.75	1877.38

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
17.10 (iii)	Hollock wood doors shutter windows shutter including hinges, screws, chocks, cheats, stops cords etc. complete fixed in position.					
	(a) Panelled, glazed or glazed and panelled (Double leaf)					
	(i) 40mm thick	sqm	316.42	1583.57	348.06	1615.21
	(ii) 35mm thick	sqm	314.10	1349.33	345.51	1380.74
	(iii) 30mm thick	sqm	311.77	1238.50	342.95	1269.68
	(b) Battened and framed (Single Leaf)					
	(i) 50mm thick	sqm	173.49	2003.61	190.84	2020.96
	(ii) 45mm thick	sqm	171.29	1899.01	188.42	1916.14
	(c) Battened and braced shutter 50mm thick complete	sqm	365.40	2111.26	401.94	2147.80
17.10 (iv)	Kiln seasoned Hollock wood doors shutter with 12mm thick phenol Bonded BWP ply ISI Marked anchor, Kit ply, Nova Teak, National Or equivalent including Chowkats iron Hold fasts, Corner straps, Hinges, Screws, Shocks Cleats, Stops and Cords etc. complete fixed in position (Single Leaf)					
	(a) Phenol Bonded B.W.P. ply panel					
	(i) 40mm thick	sqm	309.40	1755.36	340.34	1786.30
	(ii) 35mm thick	sqm	307.34	1656.86	338.07	1687.59
	(iii) 30mm thick	sqm	305.23	1555.90	335.75	1586.42

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
17.10 (v)	Golden Champ, wood, doors, shutter, windows, shutter including hinges, screws, chocks, cheats, stops, cords etc. complete fixed in position.					
	(i) 40mm thick	sqm	316.42	1138.65	348.06	1170.29
	(ii) 35mm thick	sqm	314.10	948.10	345.51	979.51
	(iii) 30mm thick	sqm	311.77	880.97	342.95	912.15
	(b) Battened and framed					
	(i) 50mm thick	sqm	173.49	1288.56	190.84	1305.91
	(ii) 45mm thick	sqm	171.29	1225.24	188.42	1242.37
	(c) Battened and braced shutter 50mm thick complete	sqm	365.40	1427.80	401.94	1464.34
17.10 (vi)	Golden Champ wood doors shutter with 12mm thick phenol Bonded BWP ply ISI Marked anchor, Kit ply, Nova Teak, National Or equivalent including Chowkats iron Hold fasts, Corner straps, Hinges, Screws, Shocks Cleats, Stops and Cords etc. complete fixed in position (Single Leaf)					
	(a) Phenol Bonded BWP Ply Panel					
	(i) 40mm thick	sqm	309.40	1442.32	340.34	1473.26
	(ii) 35mm thick	sqm	307.34	1382.74	30.73	1106.13
	(iii) 30mm thick	sqm	305.23	1321.53	335.75	1352.05
17.10 (vii)	Cheetah Champ (Assam) wood doors shutter windows shutter including hinges, screws, chocks, cheats, stops cords etc. complete fixed in position.					
	(i) 40mm thick	sqm	316.42	1557.45	348.06	1589.09
	(ii) 35mm thick	sqm	316.42	1328.08	348.06	1359.72
	(iii) 30mm thick	sqm	311.77	1217.51	342.95	1248.69
	(b) Battened and framed					

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
	(i) 50mm thick	sqm	173.49	1961.63	190.84	1978.98
	(ii) 45mm thick	sqm	171.29	1859.24	188.42	1876.37
	(c) Battened and braced shutter 50mm thick complete	sqm	365.40	2054.50	401.94	2091.04
17.10 (viii)	Cheetah Champ (Assam) wood doors shutter with 12mm thick phenol Bonded BWP ply ISI Marked anchor, Kit ply, Nova Teak, National Or equivalent including Chowkats iron Hold fasts, Corner straps, Hinges, Screws, Shocks Cleats, Stops and Cords etc. complete fixed in position (Single Leaf)					
	(a) Phenol Bonded BWP Ply Panel					
	(i) 40mm thick	sqm	309.40	1736.98	340.34	1767.92
	(ii) 35mm thick	sqm	307.34	1640.76	338.07	1671.49
	(iii) 30mm thick	sqm	305.23	1542.13	335.75	1572.65
17.10 (ix)	Bansam Champ (Assam) wood doors shutter windows shutter including hinges, screws, chocks, cheats, stops cords etc. complete fixed in position.					
	(i) 40mm thick	sqm	316.42	1385.56	348.06	1417.20
	(ii) 35mm thick	sqm	314.10	1129.16	345.51	1160.57
	(iii) 30mm thick	sqm	311.77	1042.32	342.95	1073.50
	(b) Battened and framed					
	(i) 50mm thick	sqm	173.49	1611.26	190.84	1628.61
	(ii) 45mm thick	sqm	171.29	1529.23	188.42	1546.36
	(c) Battened and braced shutter 50mm thick complete.	sqm	365.40	1726.65	401.94	1763.19

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
17.10 (x)	Bansam Champ (Assam) doors with 12mm thick phenol Bonded BWP ply ISI Marked anchor, Kit ply, Nova Teak, National Or equivalent including Chowkats iron Hold fasts, Corner straps, Hinges, Screws, Shocks Cleats, Stops and Cords etc. complete fixed in position (Single Leaf)					
	(a) Phenol Bonded BWP Ply Panel					
	(i) 40mm thick	sqm	309.40	1583.60	340.34	1614.54
	(ii) 35mm thick	sqm	307.34	1506.45	338.07	1537.18
	(iii) 30mm thick	sqm	305.23	1427.29	335.75	1457.81
17.11 (i)	Wire gauze deodar wood door shutter without springs housed in chowkats (Single Leaf)					
	(a) 35mm thick	sqm	216.80	1726.54	238.48	1748.22
	(b) 30mm thick	sqm	214.27	1546.47	235.70	1567.90
17.11 (ii)	Wire gauge Hollock wood door shutter without springs housed in chowkhat.					
	(a) 35mm thick	sqm	213.98	1183.68	235.38	1205.08
	(b) 30mm thick	sqm	211.86	1082.93	233.05	1104.12
17.11 (iii)	Wire Gauge Golden Champ wood door shutter without springs housed in chowkhat.					
	(a) 35mm thick	sqm	213.98	890.52	235.38	911.92
	(b) 30mm thick	sqm	211.86	829.49	233.05	850.68
17.11 (iv)	Wire Gauge Cheetah Champ (Assam) wood door shutter without springs housed in chowkats.					
	(a) 35mm thick	sqm	213.98	1166.47	235.38	1187.87
	(b) 30mm thick	sqm	211.86	1068.06	233.05	1089.25
17.11 (v)	Wire Gauge Bansam Champ (Assam) wood door shutter without springs housed in chowkats.					

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
	(a) 35mm thick	sqm	213.98	1022.83	235.38	1044.23
	(b) 30mm thick	sqm	211.86	943.86	233.05	965.05
Note :-	The unit measurement of the item no 17.11 is area of clear shutter opening. In case wire gauge shutter is fixed with additional molding on existing chowkats, payment will be made on overall measurement of masonry opening					
17.12 (i)	Deodar wood cup board shutter with plywood panels or faced on both side fixed in position (excluding the cost of handles bolts hasp with staple but including the labour for fixing them)					
	(a) 30mm thick	sqm	315.75	2146.43	347.33	2178.01
	(b) 25mm thick	sqm	315.75	2022.45	347.33	2054.03
17.12 (ii)	Hollock wood cup board shutter with plywood panels or faced on both side fixed in position (excluding the cost of handles, bolts hasp with staple but including the labour for fixing them)					
	(a) 30mm thick	sqm	313.53	1872.64	344.88	1903.99
	(b) 25mm thick	sqm	312.65	1740.36	343.92	1771.63
17.12 (iii)	Golden Champ cup board shutter with plywood panels or faced on both side fixed in position (excluding the cost of handles, bolts hasp with staple but including the labour for fixing them)					
	(a) 30mm thick	sqm	313.53	1706.18	344.88	1737.53
	(b) 25mm thick	sqm	312.65	1590.55	343.92	1621.82



Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
17.12 (iv)	Cheetah Champ (Assam) cup board shutter with plywood panels or faced on both side fixed in position (excluding the cost of handles, bolts hasp with staple but including the labour for fixing them)					
	(a) 30mm thick	sqm	313.53	1862.87	344.88	1894.22
	(b) 25mm thick	sqm	312.65	1731.56	343.92	1762.83
17.12 (v)	Bansam Champ (Assam) cup board shutter with plywood panels or faced on both side fixed in position (excluding the cost of handles, bolts hasp with staple but including the labour for fixing them)					
	(a) 30mm thick	sqm	313.53	1781.31	344.88	1812.66
	(b) 25mm thick	sqm	312.65	1658.15	343.92	1689.42
17.13 (i)	Wire gauze fixed on chowkats with 25mm deodar wood cover molding of full width	sqm	71.97	824.76	79.17	831.96
17.13 (ii)	Wire gauge fixed on chowkats with 25mm thick Hollock wood cover molding of full width.	sqm	71.97	680.09	79.17	687.29
17.13 (iii)	Wire gauge fixed on chowkats with 25mm thick Golden Champ wood cover molding of full width.	sqm	71.97	563.56	79.17	570.76
17.13 (iv)	Wire gauge fixed on chowkats with 25mm thick Cheetah Champ (Assam) wood cover molding of full width.	sqm	71.97	673.25	79.17	680.45
17.13 (v)	Wire gauge fixed on chowkats with 25mm thick Bansam Champ (Assam) wood cover molding of full width.	sqm	71.97	616.15	79.17	623.35
17.14 (i)	Expended metal fixed on chowkats with 25mm deodar wood cover molding of full width	sqm	71.97	808.92	79.17	816.12
17.14 (ii)	Expended metal fixed on chowkats with 25mm Hollock wood cover molding of full width	sqm	71.97	664.27	79.17	671.47

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
17.15 (i)	Deodar wood chowkats including iron hold fasts iron hinges corner straps clears, stops wooden knobs fixed in position.					
A	Double Rebate (60mm x 150mm)	m	99.42	923.37	109.36	933.31
B	Single Rebate (60mm x 100mm)	m	94.52	661.83	103.97	671.28
17.15 (ii)	Chowkats of commercial hard wood such as Hollock confirming to ISI specification no 1003 m kiln seasoned of doors and windows including iron hold fasts, corner straps cleats, stops, bolts for hold fasts etc, complete fixed in position (Section 60mm x 150mm)					
A	Double Rebate (60mm x 150mm) (60mm x	m	98.58	616.05	108.44	625.91
B	Single Rebate (60mm x 100mm)	m	94.58	452.76	104.04	462.22
17.15 (iii)	Chowkats of commercial hard wood such as Golden Champ confirming to ISI specification no 1003 m kiln seasoned of doors and windows including iron hold fasts, corner straps cleats, stops bolts for hold fasts etc, complete fixed in position (Section 60mm x 150mm)					
A	Double Rebate (60mm x 150mm)	m	97.61	419.51	107.37	429.27
B	Single Rebate (60mm x 100mm)	m	94.58	325.93	104.04	335.39
17.15 (iv)	Chowkats of commercial hard wood such as Cheetah Champ (Assam) confirming to ISI specification no 1003 m kiln seasoned of doors and windows including iron hold fasts, corner straps cleats, stops bolts for hold fasts etc, complete fixed in position (Section 60mm x 150mm)					
A	Double Rebate (60mm x 150mm)	m	98.58	604.56	108.44	614.42
B	Single Rebate (60mm x 100mm)	m	94.58	449.48	104.04	458.94
17.15 (v)	Chowkats of commercial hard wood such as Bansam Champ (Assam) confirming to ISI specification no 1003 m kiln seasoned of doors and windows including iron hold fasts, corner straps cleats, stops bolts for hold fasts etc, complete fixed in position (Section 60mm x 150mm)					
A	Double Rebate (60mm x 150mm)	m	98.58	508.74	108.44	518.60
B	Single Rebate (60mm x 100mm)	m	94.58	385.16	104.04	394.62

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
17.16 (i)	Deodar wood cup board chowkats including iron hold facts, iron hinge, corner, straps, wooden knobs or handles fixed in position (Size 45 x 60mm)	m	78.23	331.85	86.05	339.67
17.16 (ii)	Kiln seasonal Hollock wood cup board chowkats including iron hold fasts, iron hinges corner straps, wooden knobs or handles fixed in position (Size 45 x 60mm).	m	77.69	229.11	85.46	236.88
17.16 (iii)	Golden Champ wood cup board chowkats including iron hold fasts, iron hinges corner straps, wooden knobs or handles fixed in position (Size 45 x 60mm).	m	77.69	177.24	85.46	185.01
17.16 (iv)	Cheetah Champ (Assam) wood cup board chowkats including iron hold fasts, iron hinges corner straps, wooden knobs or handles fixed in position (Size 45 x 60mm).	m	77.69	226.07	85.46	233.84
17.16 (v)	Bansam Champ (Assam) wood cup board chowkats including iron hold fasts, iron hinges corner straps, wooden knobs or handles fixed in position (Size 45 x 60mm).	m	77.69	200.65	85.46	208.42
17.17 (i)	Kail wood doors shutter and window shutter panelled, glazed or glazed and panelled including hinges screws chokes cleats and cords etc. complete flied in position (Single Leaf)					
(a)	40mm thick	sqm	320.64	1907.21	352.70	1939.27
(b)	35mm thick	sqm	317.99	1756.52	349.79	1788.32
17.17 (ii)	Wire gauze door shutter with Kail wood without springs housed in chowkats (Single Leaf)					
(a)	35mm thick	sqm	216.80	1277.03	238.48	1298.71
(b)	30mm thick	sqm	214.27	1133.42	235.70	1154.85

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
17.18	Teak wood doors shutter and windows panelled glazed or panelled including Iron hinger, screws etc. complete fixed in position (excluding cost of tower bolts and handles but including labour for fittings the same) (Single Leaf)					
	(a) 35mm thick	sqm	373.30	2091.60	410.63	2128.93
	(b) 30mm thick	sqm	371.56	1853.68	408.72	1890.84
	(c) 25mm thick	sqm	369.11	1666.15	406.02	1703.06
17.19	Teak wood wire gauge shutters without spring (Single Leaf)					
	(a) 35mm thick	sqm	319.81	1860.65	351.79	1892.63
	(b) 30mm thick	sqm	317.58	1689.30	349.34	1721.06
	(c) 25mm thick	sqm	315.25	1315.84	346.78	1347.37
17.20	Fixing wire gauze out side the clerestory window including teak wood chowkats and cover molding	sqm	173.53	1948.42	190.88	1965.77
17.21	Teak wood chowkats including iron hold fasts, corner straps, iron hinges, cleats, stops, wooden knobs or handles fixed in position.					
(i)	Single Rebate (60mm x 100mm)	m	115.42	675.19	126.96	686.73
(ii)	Double Rebate (60mm x 150mm)	m	117.53	943.31	129.28	955.06
17.22	Fixing mortise or rim locks or latches complete (Labour Only)	each	61.52	-----	67.67	-----
17.22	Providing and fixing bright finished brass door latch with necessary screws etc. complete :	each	61.46	772.36	67.61	778.51
17.22	Providing and fixing bright finished brass door latch with necessary screws etc. complete :	each	61.46	655.22	67.61	661.37

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
17.22 (iv)	Providing and fixing bright finished brass 100 mm mortise latch and lock with 6 levers and a pair of lever handles with necessary screws etc. complete (best make of approved quality).	each	47.07	1225.68	51.78	1230.39
17.23	Cost of Aluminium fittings complete for doors, windows such as tower bolts, handles and screw etc. for these fittings (Excluding sliding bolt)					
(i)	For shutter area up to 0.50 sqm	sqm	-----	187.17	-----	205.89
(ii)	For shutter area above 0.50 sqm	sqm	-----	125.25	-----	137.78
17.24	Curtain rod 25mm dia Aluminium pipe with brackets fixed in position including nails and screws etc. (Deodar Wood)	m	55.66	106.66	61.23	112.23
17.25	Curtain rod 25mm dia Aluminium pipe with brackets fixed in position including nails and screws etc. (Teak Wood)	m	74.02	124.93	81.42	132.33
17.26	Providing & Fixing glass panes with nails and putty or wooden strip complete in all respect					
(a)	Glazing area upto 0.09 sqm					
(i)	2mm thick or 5.18 Kg/sqm	each	3.40	27.83	3.74	28.17
(b)	Glazing area above 0.09 sqm					
(i)	3mm thick or 8.44 Kg/ sqm	sqm	43.60	499.82	47.96	504.18
(ii)	4mm thick or 10.78 Kg/ sqm	sqm	43.60	567.87	47.96	572.23
(iii)	5.5mm thick Plate glass (INDIAN)	sqm	52.33	710.21	57.56	715.44
17.27	Factory manufactured flush door fixed in position iron hinges, etc (excluding the cost of any fittings other than specified above but including labour for fixing the same in position (Code : II Revision IS-2191 Part-I) 1973					
(a)	Commercial with elm or gurjan facing on both \ Sides with laminated core and lipped edges:-					
(i)	20 mm thick	sqm	74.65	1447.45	74.65	1447.45
(ii)	25 mm thick	sqm	74.65	2057.88	74.65	2057.88

Sr. No.	Description		Unit	Plains		Sub-Mountainous	
				Labour Rate	Through Rate	Labour Rate	Through Rate
1	2		3	4	5	6	7
	(iii)	30 mm thick	sqm	74.65	2248.07	74.65	2248.07
	(iv)	35 mm thick	sqm	74.65	2442.02	74.65	2442.02
	(b)	Decorative with elm or gurjan facing on one side and teak facing on the other side edges lipped with teak with laminated core					
	(i)	20 mm thick	sqm	74.65	1856.65	74.65	1856.65
	(ii)	25 mm thick	sqm	74.65	2551.90	74.65	2551.90
	(iii)	30 mm thick	sqm	74.65	2718.19	74.65	2718.19
	(iv)	35 mm thick	sqm	74.65	2907.95	74.65	2907.95
	(c)	Decorative with teak facing on both sides edges lipped with teak with laminated core					
	(i)	20 mm thick	sqm	74.65	1856.65	74.65	1856.65
	(ii)	25 mm thick	sqm	74.65	2551.90	74.65	2551.90
	(iii)	30 mm thick	sqm	74.65	2718.19	74.65	2718.19
	(iv)	35 mm thick	sqm	74.65	2907.95	74.65	2907.95
17.28		Providing and fixing PVC Plug 38mm long including cutting bricks work and fixing in cement mortar 1:3	each	1.18	1.89	1.30	2.01
17.29		Providing and fixing deodar wood plain lining tongued and grooved including PVC Plug plugs placed at 45cm to 60 cm centers complete with necessary screws (frame work shall be payable extra)					
	(a)	20 mm thick	sqm	80.46	1646.66	88.51	1654.71
	(b)	12 mm thick	sqm	71.54	1012.82	78.69	1019.97
17.30		Providing and fixing Kail wood plain lining tongued and grooved including PVC Plug placed at 45cm to 60cm centers complete with necessary screws (Frame work will be payable extra)					
	(a)	20 mm thick	sqm	80.46	1325.01	88.51	1333.06

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
	(b) 12 mm thick	sqm	71.54	819.83	78.69	826.98
17.31	Providing and fixing teak wood plain lining tongued and grooved including PVC Plug placed at 45cm to 60cm centres complete with necessary screws frame work shall be payable extra.					
	(a) 40 mm thick	sqm	104.28	3477.87	114.71	3488.30
	(b) 25 mm thick	sqm	86.04	2195.99	94.64	2204.59
	(c) 20 mm thick	sqm	80.46	1769.20	88.51	1777.25
	(d) 12 mm thick	sqm	71.54	1086.34	78.69	1093.49
17.32	Providing and fixing ply wood, plain lining, butt jointed including PVC Plug placed at 45 cm to 65 cm centers complete with necessary nails (Frame work shall be payable extra)					
	(a) 4mm thick 3 ply decorative ply wood with teak faced on one side.	sqm	45.24	513.11	49.76	517.63
	(b) 6mm thick decorative ply wood teak faced on one side.	sqm	45.24	770.89	49.76	775.41
	(c) 9mm thick decorative ply wood teak faced on one side.	sqm	45.24	1045.84	49.76	1050.36
	(d) 12mm thick decorative ply wood teak faced on one side.	sqm	45.24	1114.58	49.76	1119.10
	(e) 4mm thick 3 ply commercial ply wood.	sqm	45.24	413.25	49.76	417.77
	(f) 9mm thick commercial ply wood.	sqm	45.24	668.76	49.76	673.28
	(g) 12mm thick commercial ply wood.	sqm	45.24	834.16	49.76	838.68
17.33	Providing and fixing deodar wood beading in door and window chowkats with iron screws, fixing position, complete as per design and shape required (50mm x 12mm)	m	14.46	68.14	15.91	69.59

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
17.34	Providing and fixing beading to door and windows chowkats of commercial hard wood, such as Hollock Champ, Chirassy Chaplash etc (Non coniferous timber other than teak conforming to ISI specification no 100., kiln seasoned) with iron screws, fixed in position complete as per design and shape required					
	(a) 50 mm x 12 mm	m	14.41	48.57	15.85	50.01
	(b) 40mm x 12mm	m	14.27	42.20	15.70	43.63
17.35	Providing and fixing teak wood beading to door windows chowkats with iron screws fixed in position complete as per design and shape required					
	(a) 50 mm x 12 mm	m	18.33	71.78	20.16	73.61
	(b) 40mm x 12mm	m	18.20	61.59	20.02	63.41
17.36	Providing and fixing 12mm thick 100mm wide pelmets with 25mm dia meter Aluminium rod and bracket and including fixing with 25mmx3mm M.S. flat 3cm long and PVC Plug Etc. complete					
	(a) Deodar wood	m	33.13	356.39	36.44	359.70
	(b) Kail wood	m	33.13	331.41	36.44	334.72
	(c) Commercial hard wood such as Hollock, Champ, Chikrassy and Chaplashek	m	32.34	258.44	35.57	261.67
	(d) Teak wood	m	32.02	350.15	35.22	353.35
17.37	Providing and fixing 12mm thick 150mm wide pelmets with 25mm dia Aluminium rod and brackets including fixing with 25mmx3mm MS Flat 10cm long and PVC Plug etc complete					
	(a) Deodar wood	m	45.24	417.81	49.76	422.33
	(b) Kail wood	m	45.24	388.52	49.76	393.04



Sr. No.	Description		Unit	Plains		Sub-Mountainous	
				Labour Rate	Through Rate	Labour Rate	Through Rate
1	2		3	4	5	6	7
	(c)	Commercial & hard wood such as Hollock etc. 25mm dia Aluminium rod and brackets including (Non coniferous timber other than teak conforming to ISI Specification No. 1003 mkiln seasoned	m	45.24	303.89	49.76	308.41
	(d)	Teak wood	m	44.86	414.53	49.35	419.02
17.38		Extra for providing and fixing aluminium curtain rail with rollers, stop ends, and brackets in palments instead of teak wood 25mm dia and brackets (Actual length of rail to be measured)	m	0.00	63.51	0.00	69.86
17.39		Providing and fixing 4mm thick hard board of approved quality in partition including fixing to frames with screws complete (Beading and frame work to be paid separately	sqm	33.47	542.75	36.82	546.10
17.40		Providing and fixing decorative ply wood, 4mm thick three ply teak faced on one side in partition including fixing to frames with steel screws complete	sqm	44.63	487.52	49.09	491.98
17.41		Providing and fixing helical door spring 150mm (superior quality) including necessary screws, complete					
	(a)	Brass helical spring	each	27.68	161.90	30.45	164.67
	(b)	Iron helical spring	each	27.68	138.28	30.45	141.05
17.42		Providing an fixing MS of Double action spring hinges with necessary screws etc. complete					
	(a)	100mm	each	21.29	183.34	23.42	185.47
	(b)	125mm	each	27.68	267.63	30.45	270.40
	(c)	150mm	each	27.68	296.92	30.45	299.69
17.43		Providing and fixing hydraulic door closer ISI mark with necessary screw etc. complete					
	(a)	I.S.I Designation No. 1 (size of door up to 700mm)	each	5.58	708.47	6.14	709.03

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
	(b) I.S.I Designation No. II (size of door 701mm to 850mm)	each	5.58	825.62	6.14	826.18
	(c) I.S.I Designation No. III (size of door 851mm to 1000mm)	each	5.58	942.77	6.14	943.33
17.44	Providing and fixing 0.50mm thick aluminium sheet including cost of necessary fittings i.e. screws, etc. complete	sqm	73.60	350.68	80.96	358.04
17.45	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate z sections and other sections conforming to Is: 733 and IS : 1285 of Jindal, Hindalco, Mahavir or equivalent make approved by Engineer in Charge , fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC Plug/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/paneling, C.P.brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-In-Charge. (Glazing and paneling to be paid for separately) :					
	(a) For fixed portion and chaukhats	Kg.	10.12	294.93	11.13	295.94
	(b) For shutters of doors, windows & ventilators including providing and fixing hinges/pivots and labour for fixing of fittings wherever required including the cost of PVC Plug / neoprene gasket required	Kg.	11.21	305.95	12.33	307.07
17.46 (i)	Providing and fixing 12mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in paneling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-In-Charge. Pre-laminated particle board with decorative lamination on one side.	sqm	59.79	754.40	65.77	760.38

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
17.46 (ii)	Providing and fixing 12mm thick pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in paneling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides.	sqm	59.79	927.30	65.77	933.28
17.47	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC Plug/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item)					
(i)	Float glass panes of 5.5 mm thickness	sqm	50.45	813.82	55.50	818.87
(ii)	Float glass panes of 4mm thickness	sqm	50.45	717.56	55.50	722.61
17.48	Providing and fixing double action hydraulic floor spring of approved brand and manufacture IS : 6315 marked, for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece MS sheet outer box with slide plate and with stainless steel cover plate etc. complete as per the direction of Engineer-in-charge.	each	79.86	1876.87	87.85	2064.56
17.49	Providing and fixing aluminium sliding door bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete :					
A	300mm x 16mm	each	13.84	110.05	15.22	111.43
B	250mm x 16mm	each	13.84	97.29	15.22	98.67

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
17.50	Providing and fixing commercial plywood 12mm thick	sqm	54.48	803.83	59.93	809.28
17.51	Providing and fixing commercial plywood 18mm thick	sqm	54.48	1014.08	59.93	1019.53
17.53	Providing and fixing 25mm thick particle board	sqm	60.12	1379.24	66.13	1385.25
17.54	Providing and fixing teak wood plain lining tongued and grooved on and including PVC Plug plugs complete with necessary screws and priming coat on unexposed surface 20 mm thick	sqm	87.15	1666.71	95.87	1675.43
17.55	Providing and fixing teak wood plain lining tongued and grooved including PVC plugs complete with necessary screws and priming coat on unexposed surface 12 mm thick	sqm	99.45	1037.80	109.40	1047.75
17.56	Providing and fixing 18 mm thick, 150 mm wide pelmet of flat pressed 3 layer or graded wood particle board medium density grade-I, IS : 3087 marked including top cover of 6 mm commercial ply wood conforming to IS: 303 BWR grade, nickel plated MS pipe 20 mm dia (heavy type) curtain rod with nickel plated brackets including fixing with 25x3 mm MS flat 10 cm long and rawl plugs 50 mm long (designation 10 no) etc all complete	m	49.40	334.43	54.34	339.37
17.57	Providing and fixing 18 mm thick, 150 mm wide pelmet of coir veneer board ISI marked IS : 14842 - 2000, including top cover of 6 mm coir veneer board, nickel plated MS Pipe 20 mm dia (heavy type) curtain rod with nickel plated brackets including fixing with 25x3 mm MS Flat 10 cm long and rawl plug 50 mm long (designation 10 no) etc., all complete	m	49.40	416.74	54.34	421.68
17.58	Providing and fixing oxidized MS Safety chain with necessary fixtures for doors. (Weighing not less than 450 gms.)	each	2.36	66.06	2.60	66.30

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
17.59	Providing and fixing of 30mm thick factory made Polyvinyl Chloride (PVC) door shutter (without chowkhat) made of styles and rails of a UPVC Plug profile section of size 30mm x 60mm and wall thickness 2mm $\pm$ 0.2mm with inbuilt decorative molding edging on one side. The styles and rails with plastic brackets of size 75x220mm meter and welded at the corners. The- stiles of the shutter reinforced by inserting galvanized MS tube of size 25x20mm and 1mm $\pm$ 0.1mm wall thickness. The lock rail made up of 'H' section, a UPVC Plug profile section of size 30mm x 100mm and 2mm $\pm$ 0.2mm wall thickness welded to the shutter style with a UPVC Plug profile section single panel of size not less than 620mm, having overall thickness of 20 mm and 1 mm $\pm$ 0.1 mm wall thickness with 20 mm panel beading of suitable size /Glass(4mm thick plain glass)/louver section, louver frame of suitable size, as per manufactures specification and direction of Engineering- charge. (For WC and bathroom door Shutter)	sqm	68.05	2775.70	74.86	2782.51
17.60	Providing and fixing of 25mm thick PVC flush door shutters (without chowkhat) upto 737mm width of colour and shade as approved by Engineer-in-charge made out of a one piece Multi chamber extruded PVC Plug section of the size of 762mm X 25mm or less as per requirement with an average wall thickness of 1mm $\pm$ 0.3mm. PVC Plug foam end cap of size 23x10mm are provided on both vertical edges to ensure the overall thickness of 25mm. An MS tube having dimensions 19mm x 19mm is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane Code Description Unit Quantity Rate Amount foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25mm X 11mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufactures' specification and drawing to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places	sqm	68.05	2882.58	74.86	2889.39
17.61	Providing & fixing teak wood top size 150mm x 75mm on stair railing including polishing complete in all respect.	m	144.62	971.02	159.08	985.48

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
17.62	Providing & fixing 30mm thick Factory Made solid Panel PVC Door shutter (Pannel thickness 5mm) Consisting of frame made out of M.S tubes of 19 guage thickness and size of 19mm x 19mm for styles & 15mm x 15mm for top & bottom rails. M.S frame shall have a coat of steel primers of approved make & manufacture. M.S frame shall be covered with 5mm thick heat moulded PVC 'C' Channel of size 30 x 50mm forming styles, and 5mm thick, 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side, and 10mm (5mm x 2) thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail. Panneling of 5mm thick PVC sheet to be fitted in the M.S Frame welded/Sealed to the styles & Rails with 30mm wide x 5mm thick PVC sheet beading on either side and joined together with solvent cement adhesive.an additional 5mm thick PVC strips of 20mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent cement adhesive etc.complete as per manufacturer's specification, conforming to test criteria specified in IS:4020-1998,Drawings and to the entire satisfaction of engineer-in-charge.	sqm	347.25	2092.63	381.98	2127.36
17.63	Providing & fixing 30mm thick Factory Made solid Panel PVC Door shutter (Pannel thickness 10mm) Consisting of frame made out of M.S tubes of 19 guage thickness and size of 19mm x 19mm for stiles & 15mm x 15mm for top & bottom rails. M.S frame shall have a coat of steel primers of approved make & manufacture. M.S frame shall be covered with 5mm thick heat moulded PVC 'C' Channel of size 30 x 50mm forming stiles, and 5mm thick, 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side, and 10mm (5mm x 2) thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail. Panneling of 5mm thick PVC sheet to be fitted in the M.S Frame welded/Sealed to the stiles & Rails with 30mm wide x 5mm thick PVC sheet beading on either side and joined together with solvent cement adhesive.an additional 5mm thick PVC strips of 20mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent cement adhesive etc. complete as per manufacturer's specification,conforming to test criteria specified in IS:4020-1998, Drawings and to the entire satisfaction of engineer-in-charge.	sqm	347.25	2773.49	381.98	2808.22

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
17.64	Providing & fixing factory made Solid PVC Chowkhat Door frame of the size 50mm x 47mm with a wall thickness of 5mm made out of extruded 5mm PVC foam sheet, mitre cut at 2 corners & joined with 2Nos of 150mm long brackets of 15 x 15mm M.S square tube. the two vertical doors profiles are to be reinforced with 19 x 19mm M.S square tube of 19 guage, the door framed shall be fixed to the wall using 65/100mm long M.S screws through the frame by using fasteners. a minimum of 4 nos of screws to be provided for each vertical member & minimum 2nos for horizontal member etc. as per manufacturer's specification,conforming to test criteria specified in IS:4020-1998, Drawings and to the entire satisfaction of engineer-in-charge.	m	86.42	322.94	95.06	331.58
17.65	Providing & fixing 30mm thick factory made Hollow PVC Profile PVC Flush door shutter consisting of panel of of 20mm thickness,frame made out of M.S. tubes of size of 19mm x 19mm x19 guage inserted inside the hollow section of stiles, top and bottom rails and two 19mm x 19mm MS tubes inserted horizontally inside the hollow profile section using 5mm thick PVC sheet using screws. Hollow PVC profile shall be lipped with 10mm (5mm x 2) thick x 20mm width on stiles and rails using solvent cement. the inner panel shall be laminated with 5mm thick termite proof, water proof and fire retardant Prelam PVC sheet using solvent cement on both the sides of panel etc. complete as per manufacturer's specification,conforming to test criteria specified in IS:4020-1998, Drawings and to the entire satisfaction of engineer-in-charge.	sqm	216.93	2593.01	238.62	2614.70

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
17.66	Providing & fixing 32mm thick factory made Internal solid door shutter consisting of solid core particle board of 24mm thickness, lipped with 15mm (5mm x 3) thick x 32mm width on one stiles & top rails & 10mm (5mm x 2) thick x 32mm width on the other stiles & Bottom rails. The panel laminated with 4mm thick termite proof, water proof & fire resistant PVC sheet both side using rubber adhesive on flush door & solvent Cement adhesive on the PVC lipping etc. complete as per manufacturer's specification, conforming to test criteria specified in IS:4020-1998, Drawings and to the entire satisfaction of engineer-in-charge.	sqm	440.89	2912.10	484.98	2956.19