

24 REPAIRS TO BUILDINGS

Sl. No.	Description	Unit	Rate (Rs p)
24.01	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. metres and under including cutting the patch in proper shape and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead : (14.1 C.P.W.D. 2012 VOL 1)		
	(a) 14.1.1 - With cement mortar 1:4 (1 cement : 4 fine sand)	m	246.40
	(b) 14.1.2 - With cement mortar 1:4 (1 cement : 4 coarse sand).	m	248.50
24.02	Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts embedding hold fasts in cement concrete blocks with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) painting two coats of coal tar to sides of chowkhats and making good the damages to walls and floors as required complete including disposal of rubbish to the dumping ground within 50 metres lead : (14.2 C.P.W.D. 2012 VOL 1)		
	(a) 14.2.1 - Door chowkhats	No	1045.60
	(b) 14.2.2 - Window chowkhats :	No	518.60
	(c) 14.2.3 - Clerestory window chowkhats	No	377.40
24.03	Making the opening in brick masonry including dismantling, fixing chowkhats in floor or walls cutting masonry and fixing holdfasts in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) painting two coats of coal tar to sides of chowkhats and making good the damages to walls and floors complete to match the existing surface : (14.4 C.P.W.D. 2012 VOL 1)		
	(a) 14.3.1 - For door	No	1008.80
	(b) 14.3.2 - For window	No	637.00
	(c) 14.3.3 - For clerestory window	No	399.90

Sl. No.	Description	Unit	Rate (Rs p)
24.04	Providing and fixing wooden cleats of size 100mmx75mmx50mm to doors and windows with approved fittings including removal of old cleats where necessary including painting, polishing or bees waxing to match the existing shade: (14.4 C.P.W.D. 2002)		
(a)	14.4.1 - Teak wood cleats with brass hinges and screws .	No	36.30
(b)	14.4.5 - 2nd class teak wood cleats with iron hinges and screws.	No	33.90
24.05	Renewing glass panes, with putty and nails wherever necessary including raking out the old putty.: (14.4 C.P.W.D. 2012		
(a)	14.5.1 -Float Glass panes of thickness 4mm	sqm	1070.00
(b)	14.5.2 -Float Glass panes of thickness 5.5mm	sqm	1325.80
24.06	Renewing glass panes and refixing existing wooden fillets: (14.6 C.P.W.D. 2012 VOL 1)		
(a)	- Glass panes of thickness 4mm	sqm	1071.70
24.07	Supplying and fixing new wooden fillets wherever necessary: (14.8 C.P.W.D. 2012 VOL 1)		
(a)	teak wood fillets Details of cost for 10 metres length .	m	50.20
(b)	- Hollock wood fillets.	m	50.60
24.08	Renewal of old putty of glass panes (length) . (14.9 C.P.W.D. 2012 VOL 1)	m	29.50
24.09	Refixing old glass panes with putty and nails . (14.10 C.P.W.D. 2012 VOL 1)	m	382.90
24.10	Fixing old glass panes with wooden fillets (excluding cost of fillet: (14.11 C.P.W.D. 2012 VOL 1)	m	276.00
24.11	Providing and fixing 16 mm M.S. Fan clamps of standard shape and size in existing R.C.C. slab including cutting chase and making good and painting exposed portion of the clamps complete. (14.12 C.P.W.D. 2012 VOL 1)	No	472.30

Sl. No.	Description	Unit	Rate (Rs p)
24.12	Replacing sand stone slabs in roofing laid in cement mortar 1:4 (1 cement : 4 coarse sand) including necessary repairs and cement pointing with same mortar complete including disposal of rubbish to dumping ground within 50 metres of lead : (<i>14.14 C.P.W.D. 2012</i> <i>VOL 1</i>)		
	(a) 14.14.1 - Red sand stone slabs 30 to 40 mm thick.	sqm	734.80
24.13	Renewing 100mm dia 2.5 metres long safeda post embedded 60 cm in the ground in a trench 45 cm dia and 75 cm deep filled with cement concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) including necessary excavation, cement concrete foundation and painting two coats with oil type wood preservative of approved brand and manufacture complete including disposal of rubbish to the dumping ground within 50 metres lead (<i>14.20 C.P.W.D. 2002</i>)	NO	726.10
24.14	Raking out joints in lime or cement mortar and preparing the surface for re-pointing or replastering including disposal of rubbish to the dumping ground within 50 metres lead. (<i>14.17 C.P.W.D. 2012</i>)	m	21.40
24.15	Extra for making opening or recesses in A.C. corrugated/ semi corrugated sheet roofing of girth not more than 1 metre: (<i>14.27 C.P.W.D. 2002</i>)		
	(a) 14.27.1 - Those not exceeding 100 square centimetres in area	No	37.10
	(b) 14.27.2 - Those exceeding 100 square centimetres but not exceeding 400 square centimetres in area.	No	68.50
	(c) 14.27.3 - Those exceeding 400 square centimetres in area.	No	98.90
24.16	Flush pointing with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement for flat tile bricks on top of mud phaska : (<i>14.18 C.P.W.D. 2012</i> <i>VOL 1</i>)		
	(a) 14.28.1 - With brick tiles	m	65.60
	(b) 14.28.2 - With modular brick tiles	m	67.20
24.17	Taking out wind ties from roof including cutting out rusted bolts, nuts etc. and removing materials to any distance within compound and stacking. (<i>14.19 C.P.W.D. 2012</i> <i>VOL 1</i>)	kg	1.60
24.18	Fixing of old wind tie with new fittings including painting two or more coats with anticorrosive bitumastic paint of approved brand & manufacturer over and including priming coat of ready mixed zinc chromate yellow primer of approved brand. (<i>14.20 C.P.W.D. 2012</i> <i>VOL 1</i>)	m	71.70

Sl. No.	Description	Unit	Rate (Rs p)
24.19	Renewing bottom rail and/or top rubber of collapsible gate including making good all damages and applying priming coat of zinc chromate yellow primer of approved brand and manufacturer. (14.21 C.P.W.D. 2012 VOL 1)	kg	169.00
24.20	Renewing W.I. or M.S. Wheel or roller of steel door or gate and fitting and fixing the same with necessary clamps, nuts and bolts/welding and erection etc. complete. (14.22 C.P.W.D. 2012 VOL 1)		
	(a) 14.32.1 - Wheel 50 mm dia. and below.	No	226.90
	(b) - Wheel above 50 mm dia.	No	334.30
24.21	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like. (14.23 C.P.W.D. 2012 VOL 1)	kg	105.90
24.22	Mud mortar (14.24 C.P.W.D. 2012 VOL 1)	cum	335.20
24.23	Brick work with 2nd class bricks in mud mortar (14.25 C.P.W.D. 2012 VOL 1)	cum	5763.40
24.24	Providing and fixing 25 mm thick shutters for cup board etc. : (14.26 C.P.W.D. 2012 VOL 1)		
	A 14.39.1 - Panelled or panelled & glazed shutters		
	(a) 14.39.1.1 - Teak wood including nickel plated bright finished M.S. piano hinges with necessary screws.	sqm	1944.70
	B 2 - Glazed shutters :		
	(a) 14.39.2.1 - Superior class teak wood including nickel plated bright finished M.S. piano hinges with necessary	sqm	1865.40
	(b) 14.39.2.2 - Ist class teak wood including nickel plated bright finished M.S. piano hinges with necessary screws.	sqm	1758.30
24.25	Providing and fixing plain jaffri door and window shutters including bright or/and black enamelled M.S. butt hinges with necessary screws 35x10mm laths placed 35mm apart (frames to be paid separately) including fixing 50x12mm beading complete with : (14.27 C.P.W.D. 2012 VOL 1)		
	(a) 14.40.1 - teak wood.	sqm	384.40

Sl. No.	Description	Unit	Rate (Rs p)
24.26	Providing and fixing curtain rods of 1.25mm thick brass plates with two brass brackets fixed with brass screws and wooden plugs etc. wherever necessary complete. (14.28 C.P.W.D. 2012 VOL 1)		
	(b) 14.41.2 - 20 mm diameter.	m	723.70
	(c) 14.41.3 - 25 mm diameter.	m	724.70
24.27	Providing and fixing M.S. round or square bars at required spacings in wooden frame of windows and clerestory windows. (14.42 C.P.W.D. 2002)	kg	69.20
24.28	Providing and fixing M.S. round or square bars with M.S. flats at required spacing in wooden frames of windows and clerestory windows. (14.27 C.P.W.D. 2012 VOL 1)	kg	75.80
24.29	Providing and fixing for posts, purlins, rafters, post plates etc. including cost of iron nails and spikes required and applying wood preservative on all exposed surfaces : (14.45 C.P.W.D. 2002) A - Hollock ballies :		
	(a) 14.45.4.1 - 80 mm diameter	m	78.00
	(b) - 100 mm diameter	m	95.10
	(c) - 125 mm diameter	m	103.90
	(d) - 150 mm diameter	m	154.50
24.30	Providing and fixing bright finished brass single acting spring hinges with necessary screws etc. complete . (14.31 C.P.W.D. 2012 VOL 1)	No	467.30
	(a) 14.46.1 - 150 mm		
	(b) 125mm	No	362.80
	(c) - 100 mm	No	333.40
24.31	Providing and fixing bright finished brass double acting spring hinges with necessary screws etc. complete : (14.32 C.P.W.D. 2012 VOL 1)		
	(a) - 150 mm	No	422.50
	(b) - 125 mm	No	375.60
	(c) - 100 mm	No	314.90

Sl. No.	Description	Unit	Rate (Rs p)
24.32	Providing and fixing bright finished brass flush bolts with necessary screws etc. complete : (<i>14.33 C.P.W.D. 2012</i> <i>VOL 1</i>)		
	(a) - 250 mm	No	214.20
	(b) - 150 mm	No	151.90
	(c) - 100 mm	No	107.10
24.33	Providing and fixing 30 cm long bright finished finger plates 65x1.6 mm including necessary screws etc. complete. (<i>14.49 C.P.W.D. 2002</i>)	No	172.00
24.34	Providing and fixing bright finished brass furniture handles. (<i>14.50 C.P.W.D. 2002</i>)	No	187.10
24.35	Providing and fixing 150 mm bright finished floor brass door stopper with rubber cushion, screws etc. to suit shutter thickness complete . (<i>14.51 C.P.W.D. 2002</i>)	No	302.70
24.36	Providing and fixing bright finished brass hard drawn hooks and eyes : (<i>14.35 C.P.W.D. 2012</i> <i>VOL 1</i>)		
	(a) - 300 mm	No	103.10
	(b) 250mm	No	85.60
	(c) - 200 mm	No	86.50
	(d) 150mm	No	62.40
	(e) - 100 mm	No	50.80
24.37	Providing and fixing bright finished brass fan light pivot with necessary screws etc. complete. (<i>14.36 C.P.W.D. 2012</i> <i>VOL 1</i>)	No	41.00
24.38	Providing and fixing 300 mm long bright finished brass chain with hook for fan light including necessary screws etc. complete. (<i>14.37 C.P.W.D. 2012</i> <i>VOL 1</i>)	No	49.40
24.39	Providing and fixing bright finished brass quadrant stay 300mm long with necessary screws etc. complete. (<i>14.38 C.P.W.D. 2012</i> <i>VOL 1</i>)	No	171.80

Sl. No.	Description	Unit	Rate (Rs p)
24.40	Providing and fixing bright finished brass helical door spring (superior quality). (<i>14.39 C.P.W.D. 2012</i> <i>VOL 1</i>)	No	459.80
24.41	Providing and fixing chromium plated brass butt hinges with necessary screws etc. complete. (<i>14.40 C.P.W.D. 2012</i> <i>VOL 1</i>)		
	(a) - 125x70x4 mm (ordinary type)	No	209.60
	(b) - 100x70x4 mm (ordinary type)	No	182.80
	(c) - 75x65x4 mm (heavy type)	No	187.90
	(d) - 75x40x2.5 mm (ordinary type)	No	129.80
	(e) - 50x40x2.5 mm (ordinary type)	No	75.10
24.42	Pointing on brick work with an admixture of white cement, lime putty marble dust and stone dust in proportion $\frac{1}{4}$:1:1:1 ($\frac{1}{4}$ white cement : 1 lime putty : 1 marble dust : 1 stone dust) : (<i>14.72 C.P.W.D. 2002</i>)		
	(a) 14.72.1 - Flush pointing	sqm	131.90
	(b) 14.72.2 - Ruled pointing	sqm	137.60
	(c) 14.72.3 - Struck or weathered pointing	sqm	161.50
24.43	Pointing on tile brick work with an admixture of white cement lime marble dust and stone dust in proportion $\frac{1}{4}$:1:1:1 ($\frac{1}{4}$ white cement : 1 marble dust : 1 stone dust : 1 lime putty) : (<i>14.74 C.P.W.D. 2002</i>)		
	(a) 14.74.1 - Flush pointing	sqm	181.90
	(b) 14.74.2 - Ruled pointing	sqm	192.00
	(c) 14.74.3 - Struck or weathered pointing	sqm	214.00
24.44	White washing with lime to give an even shade : (<i>14.42 C.P.W.D. 2012</i> <i>VOL 1</i>)		
	(a) - Old work (two or more coats)	sqm	13.40
	(b) - Old work (one or more coats)	sqm	7.60

Sl. No.	Description	Unit	Rate (Rs p)
24.45	White washing with whiting to give an even shade (14.76 C.P.W.D. 2002)		
	(a) 14.76.2 - Old work (two or more coats)	sqm	9.80
	(b) 14.76.3 - Old work (one or more coats)	sqm	6.30
24.46	Colour washing such as green, blue or buff to give an even shade : (14.77 C.P.W.D. 2002)		
	(a) 14.77.3 - Old work (two or more coats) with lime :	sqm	13.90
	(b) 14.77.4 - Old work (two or more coats) with whiting :	sqm	13.60
	(c) 14.77.5 - Old work (one or more coats) with lime :	sqm	7.90
24.47	Removing dry or oil bound distemper by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete. (14.46 C.P.W.D. 2012 VOL 1)	sqm	13.80
24.48	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : (14.47 C.P.W.D. 2012 VOL 1)		
	(a) 14.84.2 - Old work (one or more coats)	sqm	46.90
24.49	Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture over and including a priming coat of ready mixed zinc chromate yellow primer on new work : (14.46 C.P.W.D. 2012 VOL 1)		
	(a) - 75 mm diameter pipes	m	39.10
24.50	Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture on old work : (14.49 C.P.W.D. 2012 VOL 1)		
	(a) - 75 mm diameter pipes	m	21.30
24.51	Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with aluminium paint of approved brand and manufacture over a priming coat of ready mixed zinc chromate yellow primer on new work : (14.50 C.P.W.D. 2012 VOL 1)		
	(a) - 75 mm diameter pipes	m	45.10

Sl. No.	Description	Unit	Rate (Rs p)
24.52	Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour on old work : (<i>14.51 C.P.W.D. 2012</i> <i>VOL 1</i>)		
	(a) - 75 mm diameter pipes	m	24.20
	(b) - 100 mm diameter pipes	m	31.00
	(c) - 150 mm diameter pipes	m	42.30
24.53	Painting with oil type wood preservative of approved brand and manufacture : (<i>14.52 C.P.W.D. 2012</i> <i>VOL 1</i>)		
	(a) 14.89.2 - Old work (one or more coats)	sqm	18.50
24.54	Coal tarring one coat on old work using 0.12 litre of coal tar per sqm. (<i>14.90 C.P.W.D. 2002</i>)	sqm	18.80
24.55	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade : (<i>14.53 C.P.W.D. 2012</i> <i>VOL 1</i>)		
	(a) - One or more coats on old work.	sqm	68.90
24.56	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : (<i>14.54 C.P.W.D. 2012</i> <i>VOL 1</i>)		
	(a) - One or more coats on old work.	sqm	59.00
24.57	Painting with aluminium paint of approved brand and manufacture to give an even shade : (<i>14.55 C.P.W.D. 2012</i> <i>VOL 1</i>)		
	(a) - One or more coats on old work.	sqm	56.30

Sl. No.	Description	Unit	Rate (Rs p)
24.58	Painting with acid proof paint of approved brand and manufacture of required colour to give an even shade : (<i>14.56 C.P.W.D. 2012</i> <i>VOL 1</i>)		
	(a) - One or more coats on old work.	sqm	47.10
24.59	Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade : (<i>14.57 C.P.W.D. 2012</i> <i>VOL 1</i>)		
	(a) - One or more coats on old work.	sqm	46.00
24.60	Floor painting with floor enamel paint of approved brand and manufacture of required colour to give an even shade : (<i>14.97 C.P.W.D. 2002</i>)		
	(a) - One or more coats on old work.	sqm	63.00
24.61	French spirit polishing : (<i>14.58 C.P.W.D. 2012</i> <i>VOL 1</i>)		
	(a) - One or more coats on old work.	sqm	104.30
24.62	Polishing on wood work with ready made wax polish of approved brand and manufacture : (<i>14.59 C.P.W.D. 2012</i> <i>VOL 1</i>)		
	(a) - Old work	sqm	43.70
24.63	Re-lettering with black Japan paint of approved brand and manufacture. (<i>14.60C.P.W.D. 2012</i> <i>VOL 1</i>)	No	1.30
24.64	Painting (one or more coats) with black Japan paint of approved brand and manufacture to give an even shade. (<i>14.61C.P.W.D. 2012</i> <i>VOL 1</i>)	sqm	47.60
24.65	Providing and fixing C.P. brass chain and rubber plug complete for sink or wash basin : (<i>14.62C.P.W.D. 2012</i> <i>VOL 1</i>)		
	(a) - 32 mm dia	No	201.80
	(b) 40mm dia	No	239.20

Sl. No.	Description	Unit	Rate (Rs p)
24.66	Providing and fixing rubber plug for sink or wash basin : (14.104 C.P.W.D. 2002)	No	32.80
	Providing and fixing to existing door frames 30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a UPVC hollow section of size 60x30 mm and wall thickness 2 mm + 0.2 mm with inbuilt decorative moulding edging on one side. The styles and rails mitred and joined at the corners by means of M.S. galvanised/plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm + 0.1 mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100x30 mm and 2 mm + 0.2 mm wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a UPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm + 0.1 mm wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and		2927.6
24.67	(14.106 C.P.W.D. 2002)	No	