

CHAPTER - 12 : PAINTING, POLISHING & VARNISHING			
Item No.	Description of Item	Unit	Rate (Rs.)
	PAINTING – SURFACES OTHER THAN MASONRY		
121010	Applying Priming Coat :		
121011	With ready mixed pink or grey primer of approved brand and manufacture on woodwork (hard and soft wood)	Sqm	19.54
121012	With ready mixed aluminium primer of approved brand and manufacture on resinous wood and plywood	Sqm	19.35
121013	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanized	Sqm	16.07
121014	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel work (second coat)	Sqm	9.15
121020	Painting wood work with Deluxe Multi Surfaces Paint of required shade. Two or more coat applied @ 0.90ltr/ 10sqm over an under coat of primer, applied @ 0.75ltr/ 10sqm of approved brand or manufacture	Sqm	59.89
121030	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coats applied @ 0.90ltr/ 10sqm over an under coat of primer applied @ 0.80ltr/ 10sqm of approved brand or manufacture	Sqm	62.48
121040	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface etc. complete		
121041	On steel work	Sqm	93.25
121050	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade		
121051	Two or more coats on new work	Sqm	43.87
121052	One or more coats on old work	Sqm	28.23
121060	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade		
121061	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	Sqm	62.80
121070	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade		
121071	New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution	Sqm	48.78
121072	Old work (One or more coats)	Sqm	22.70
121080	Applying a coat of mordant solution on G.S. sheet		
121081	With a solution of 38gm Of copper acetate in a liter of soft water	Sqm	13.33
121082	With a solution made of 13gms. Of hydrochloric acid in a solution of 13gms. Each of copper chloride, copper nitrate and ammonium chloride dissolved in a liter of soft water	Sqm	13.23

Item No.	Description of Item	Unit	Rate (Rs.)
121083	Treating new G.S. Sheets with a solution of 9 gms of washing soda per litre of water, scrubbing the surface and rinsing with water	Sqm	12.82
121090	Painting with aluminium paint of approved brand and manufacture to give an even shade		
121091	Two or more coats on new work	Sqm	36.89
121092	One or more coats on old work	Sqm	23.38
121100	Painting with acid proof paint of approved brand and manufacture of required colour to give an even shade		
121101	Two or more coats on new work	Sqm	39.50
121102	One or more coats on old work	Sqm	25.59
121110	Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade		
121111	Two or more coats on new work	Sqm	31.84
121112	One or more coats on old work	Sqm	21.10
121120	Coal tarring two coat on new work using 0.16 and 0.12 litre of coal tar per sqm in the first coat and second coat respectively	Sqm	21.73
121130	Coal tarring one coat on old work using 0.12 litre of coal tar per sqm	Sqm	12.58
121140	Painting (one or more coats) with black Japan paint of approved brand and manufacture to give an even shade	Sqm	23.25
121150	Painting two coats (excluding priming coat) with chocolate, red, grey or buff ready mixed paint of approved quality, on steel or wood work	Sqm	41.98
121160	Painting one coat with chocolate, red, grey or buff ready mixed paint of approved quality on steel or wood work	Sqm	26.88
121170	Painting two coats (excluding priming coat) with white or green ready mixed paint of approved quality, on steel or wood work	Sqm	41.98
121180	Painting one coat with white or green ready mixed paint of approved quality on steel or wood work	Sqm	29.78
121190	Spray painting with flat wall paint of approved quality (excluding priming coat), to give an even shade		
121191	Two or more coats on new work	Sqm	53.32
121192	One or more coat on old work	Sqm	33.27
121200	Spray painting with superior quality lacquer paint of approved quality (excluding priming coat), to give an even		
121201	Two or more coats on new work	Sqm	70.58
121202	One or more coat on old work	Sqm	56.21
121210	Powder coating/50 microns by spray method for all metal surfaces to form priming coat after and including preparation of surfaces by thoroughly cleaning, oil, grease, dust and other foreign matter and also including pigment of any shade		
121211	Surfaces over 10 cm. in width/girth	Sqm	35.23
121212	Surfaces upto 10 cm. in width/girth and not in conjunction with similar painted surfaces	metre	10.13
121213	Small articles not exceeding 0.1 sqm in area and not in conjunction with similar painted surfaces	Each	6.99

Item No.	Description of Item	Unit	Rate (Rs.)
121220	Painting new work (two or more coats).with oil type wood preservative of approved brand and manufacture	Sqm	18.49
121230	Providing and applying two coats of fire retardant paint unthinned on cleaned wood/ ply surface @ 1 litre per 3.5 sqm per coat including preparation of base surface as per recommendations of manufacturer to make the surface fire retardant	Sqm	268.95
121240	Lettering with "Black Japan" paint (two coats) of approved brand and manufacture	Each of 1 cm height	1.14
121250	Lettering with "Synthetic Enamel" paint (two coats) of approved brand and manufacture	Each of 1 cm height	1.18
121260	Relettering with "Black Japan" paint (one coat)	Each of 1 cm height	0.88
121270	Relettering with "Synthetic Enamel" paint (one coat)	Each of 1 cm height	1.06
121280	Painting border lines upto 150 mm width with two coats of synthetic enamel paint	Each of 1 cm height	0.94
PAINTING OF PIPES AND FITTINGS			
122010	Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint approved brand and manufacture over and including a priming of ready mixed zinc chromate yellow primer on new work		
122011	75mm diameter pipes	metre	12.30
122012	100mm diameter pipes	metre	18.47
122013	150mm diameter pipes	metre	27.04
122020	Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint approved brand and manufacture on old work		
122021	75mm diameter pipes	metre	6.49
122022	100mm diameter pipes	metre	8.54
122023	150mm diameter pipes	metre	12.21
122030	Painting (two 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/ anti corrosive black enamel paint of approved quality. over a priming coat of approved steel primer on new work		
122031	75mm diameter pipes	metre	15.08
122032	100mm diameter pipes	metre	20.15
122033	150mm diameter pipes	metre	30.06
122040	Painting one or more coat (on old work) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour / anti corrosive black enamel paint of approved quality		
122041	75 mm dia. Pipe	metre	6.15
122042	100 mm dia. pipe	metre	7.94
122043	150 mm dia. Pipe	metre	11.55

Item No.	Description of Item	Unit	Rate (Rs.)
122050	Painting two coats on G.I. Pipes and fittings with synthetic enamel white paint over a ready mixed priming coat, both of approved quality		
122051	15mm diameter pipe	metre	5.48
122052	20mm diameter pipe	metre	6.48
122053	25mm diameter pipe	metre	8.52
122054	32mm diameter pipe	metre	10.10
122055	40mm diameter pipe	metre	11.95
122056	50mm diameter pipe	metre	14.12
122060	Repainting one coat on G.I. Pipes and fittings with synthetic enamel white paint of approved quality		
122061	15mm diameter pipe	metre	2.84
122062	20mm diameter pipe	metre	3.32
122063	25mm diameter pipe	metre	4.25
122064	32mm diameter pipe	metre	4.32
122065	40mm diameter pipe	metre	5.86
122066	50mm diameter pipe	metre	6.92
122070	Painting G.I. Pipes (New work) and fittings with two coats of anti-corrosive bitumastic paint of approved quality		
122071	15mm diameter pipe	metre	3.08
122072	20mm diameter pipe	metre	3.63
122073	25mm diameter pipe	metre	4.63
122074	32mm diameter pipe	metre	5.50
122075	40mm diameter pipe	metre	6.26
122076	50mm diameter pipe	metre	7.45
122077	80mm diameter pipe	metre	10.63
	PAINTING OF SPECIAL ITEMS		
123010	Painting, one coat , any shade as directed of approved make and brand a) Trusses upto 9m clear span and b) Staging with O.H. tank where staging is upto 2.5m in height		
123011	With Red Oxide metal primer as per IS:123	Sqm	13.85
123012	With Zinc Chromate primer as per IS:104	Sqm	12.92
123013	With Synthetic Enamel paint.	Sqm	23.03
123014	With Aluminium paint as per IS:2339.	Sqm	15.39
123020	Painting, Two coat , any shade as directed of approved make and brand a) Trusses upto 9m clear span and b) Staging with O.H. tank where staging is upto 2.5m in height		
123021	With Red Oxide metal primer as per IS:123	Sqm	25.14
123022	With Zinc Chromate primer as per IS:104	Sqm	23.51
123023	With Synthetic Enamel paint.	Sqm	44.13
123024	With Aluminium paint as per IS:2339.	Sqm	27.84
123030	Painting, one coat, any shade as directed of approved make and brand a) Trusses exceeding 9m clear span, b) Staging with O.H. tank where staging is more than 2.5m in height, c) Flood light towers, d) Chimneys and similar structures		
123031	With Red Oxide metal primer as per IS:123	Sqm	10.96

Item No.	Description of Item	Unit	Rate (Rs.)
123032	With Zinc Chromate primer as per IS:104	Sqm	11.52
123033	With Synthetic Enamel paint	Sqm	26.59
123034	With Aluminium paint as per IS:2339	Sqm	18.95
123040	Painting, Two coat, any shade as directed of approved make and brand a) Trusses exceeding 9m clear span, b) Staging with O.H. tank where staging is more than 2.5m in height, c) Flood light towers, d) Chimneys and similar structures		
123041	With Red Oxide metal primer as per IS:123	Sqm	30.67
123042	With Zinc Chromate primer as per IS:104	Sqm	29.04
123043	With Synthetic Enamel paint	Sqm	46.73
123044	With Aluminium paint as per IS:2339	Sqm	33.37
123050	Painting (any shade as directed) with synthetic enamel paint of approved make and brand) telegraph OHE mast number plate including lettering complete (single plate)	Sqm	57.88
123060	Painting (any shade as directed) with synthetic enamel paint of approved make and brand telegraph OHE mast number plate including lettering complete (double plate)	Sqm	67.68
123070	Painting fire buckets with Synthetic Enamel paint two coats. (Inside and outside complete)	Each	64.78
123080	Painting human figures on latrine walls with Synthetic Enamel paint two coats, including the background complete	Each	34.70
123090	Painting line clear apparatus with Synthetic Enamel paint two coats	Each	201.30
123100	Painting Station Name boards (both sides) including lettering on both sides two coats of synthetic enamel paint to give an even shade		
123101	Board area more than 2 sqm	Each	196.97
123102	Board area upto 2 sqm	Each	153.71
123110	Painting and lettering gradient posts, km posts, curve plates, boundary pillars/marks etc two coats (both sides) along the railway tracks	Each	104.30
	VARNISHING AND POLISHING		
124010	Varnishing with varnish of approved brand and manufacture		
124011	On new work - two or more coats of glue sizing with copal varnish over an under coat of flatting varnish	Sqm	59.86
124012	On old work - one or more coats with copal varnish	Sqm	23.54
124013	On new work two or more coats glue sizing with spar varnish or an under coat of flatting varnish	Sqm	62.54
124014	On old work one or more coats with spar varnish	Sqm	25.62
124020	French spirit polishing		
124021	Two or more coats on new work including a coat of wood	Sqm	98.87
124022	One or more coats on old work	Sqm	50.76
124030	Polishing on wood work with ready made wax polish of approved brand and manufacture		
124031	New work (two or more coats)	Sqm	48.56
124032	Old work (one or more coats)	Sqm	24.62
124040	Melamine polishing on wood work (one or more coats)	Sqm	32.53

Item No.	Description of Item	Unit	Rate (Rs.)
124050	Varnishing with flattening varnish of approved brand and manufacture one or more coats on old work	Sqm	24.55
124060	Oiling two coats with raw linseed oil	Sqm	21.90
124070	Oiling one coat with raw linseed oil	Sqm	14.31
124080	Bees waxing on wood work with local made wax polish with proportion 2:1.1/2 : 1 : 1/2. (2 bees wax : 1.1/2 linseed oil : 1 turpentine oil : 1/2 varnish by weight)		
124081	Two or more coats on new work	Sqm	39.61
124082	One or more coat on old work	Sqm	20.52
	MISCELLANEOUS		
125010	Removing old paint with paint remover of approved manufacture. Note : Payment under these items shall be made only where complete removal of old paint or varnish is ordered to be done and area to be paid under this item shall be specified in advance in writing by Engineer in charge	Sqm	14.82
125020	Removing old paint with caustic soda solution. The rate includes cost of labour, consumables, brushes, tools and plants, ladders, scaffoldings, staging etc. (Including high or special slung scaffolding if required as per site conditions)	Sqm	18.27
125030	Removing old paint with blow lamp. Note : Payment under these items shall be made only where complete removal of old paint or varnish is ordered to be done and area to be paid under complete removal of paint shall be specified in advance in writing by Engineer in charge	Sqm	27.78
125040	Cleaning and washing glasses / FRP sheets / Transparent sheets or like material in trusses, sky lights, north lights, ventilators, of work shops and loco sheds or similar structures. (It will include both the sides and measurements will be for one side only)	Sqm	9.93
125050	Supplying printing and fixing banner made of Flex Fibre Cloth with digital printing as per Railways approved matter, colour, pattern etc. complete job	Sqm	299.09
	New Items To Be Added By Zonal Railway		
126010			
126020			
126030			
126040			
126050			
126060			
126070			
126080			
126090			