

DSR 2002

ITEM NO	DESCRIPTION	RATE	RATE IN WORDS	PER	UNIT
	EARTHWORK				
2.1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be levelled and neatly dressed :				
2.1.1	All kinds of soil	1363.85	Rupees One Thousand Three Hundred Sixty Three and Paise Eighty Five Only	100	sqm
2.2	Earth work in rough excavation, banking excavated earth in layers not exceeding 20 cm in depth, breaking clods watering, rolling each layer with ½ tonne roller or wooden or steel rammers, and rolling every 3rd and top-most layer with power r				
2.2.1	All kinds of soil	103.65	Rupees One Hundred Three and Paise Sixty Five Only	1	cum
2.3	Banking excavated earth in layers not exceeding 20 cm. in depth, breaking clods, watering, rolling each layer with 1/2 tonne roller, or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up				
2.3.1	All kinds of soil	65.45	Rupees Sixty Five and Paise Forty Five Only	1	cum
2.4	Deduct for not rolling with power roller of minimum 8 tonnes for banking excavated earth in layers not exceeding 20 cm in depth	1.00	Rupees One and Paise Zero Only	1	cum
2.5	Deduct for not watering the excavated earth for banking	4.40	Rupees Four and Paise Forty Only	1	cum
2.6	Earth work in excavation over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m; disposed earth to be levelled and neatly dressed				
2.6.1	All kinds of soil	91.50	Rupees Ninety One and Paise Fifty Only	1	cum
2.7	Earth work in excavation over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including disosal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed :				

2.7.1	Ordinary rock	139.30	Rupees One Hundred Thirty Nine and Paise Thirty Only	1	cum
2.7.2	Hard rock (requiring blasting)	188.20	Rupees One Hundred Eighty Eight and Paise Twenty Only	1	cum
2.7.3	Hard rock (blasting prohibited)	293.75	Rupees Two Hundred Ninety Three and Paise Seventy Five Only	1	cum
2.8	Earth work in excavation in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil				
2.8.1	All kinds of soil.	93.55	Rupees Ninety Three and Paise Fifty Five Only	1	cum
2.9	Excavation work in foundation trenches or drains not exceeding 1.5 m in width or 10 sqm on plan including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directe				
2.9.1	Ordinary rock	153.90	Rupees One Hundred Fifty Three and Paise Ninety Only	1	cum
2.9.2	Hard rock (requiring blasting)	209.95	Rupees Two Hundred Nine and Paise Ninety Five Only	1	cum
2.9.3	Hard rock (blasting prohibited)	303.10	Rupees Three Hundred Three and Paise Ten Only	1	cum
2.1	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not				
2.10.1	All kinds of soil				
2.10.1.1	Pipes, cables etc, not exceeding 80mm dia.	58.50	Rupees Fifty Eight and Paise Fifty Only	1	metre
2.10.1.2	Pipes, cables etc. exceeding 80mm dia. but not exceeding 300 mm dia.	95.55	Rupees Ninety Five and Paise Fifty Five Only	1	metre
2.10.1.3	Pipes, cables etc. exceeding 300mm dia but not exceeding 600mm	149.15	Rupees One Hundred Forty Nine and Paise Fifteen Only	1	metre

2.11	Extra for excavating trenches for pipes, cables etc. in all kinds of soil for depth exceeding 1.5 m, but not exceeding 3 m. (Rate is over corresponding basic item for depth upto 1.5 metre.)				
		131%	Rupees One and Paise Thirty One Only	1	metre
2.12	Extra for excavating trenches for pipes, cables, etc, in all kinds of soil for depth exceeding 3 m in depth, but not exceeding 4.5 m. (Rate is over corresponding basic item for depth upto 1.5 metre.)	335%	Rupees Three and Paise Thirty Five Only	1	metre
2.13	Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth upto 1.5 m including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth including consolidating e				
2.13.1	Ordinary rock :				
2.13.1.1	Pipes, cables etc. not exceeding 80 mm dia.	88.15	Rupees Eighty Eight and Paise Fifteen Only	1	metre
2.13.1.2	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia	218.30	Rupees Two Hundred Eighteen and Paise Thirty Only	1	metre
2.13.1.3	Pipes, cables exceeding 300 mm dia but not exceeding 600mm dia	251.20	Rupees Two Hundred Fifty One and Paise Twenty Only	1	metre
2.13.2	Hard rock (requiring blasting)				
2.13.2.1	Pipes, cables etc. not exceeding 80 mm dia	114.95	Rupees One Hundred Fourteen and Paise Ninety Five Only	1	metre
2.13.2.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.	284.60	Rupees Two Hundred Eighty Four and Paise Sixty Only	1	metre
2.13.2.3	Pipes, cables etc. exceeding 300 mm dia but not exceeding 600mm dia	327.50	Rupees Three Hundred Twenty Seven and Paise Fifty Only	1	metre
2.13.3	Hard rock (blasting prohibited)				
2.13.3.1	Pipes, cables etc. not exceeding 80 mm dia.	158.95	Rupees One Hundred Fifty Eight and Paise Ninety Five Only	1	metre
2.13.3.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.	393.55	Rupees Three Hundred Ninety Three and Paise Fifty Five Only	1	metre
2.13.3.3	Pipes, cables etc. exceeding 300 mm dia but not exceeding 600mm dia.	452.95	Rupees Four Hundred Fifty Two and Paise Ninety Five Only	1	metre
2.14	Extra for excavating trenches for pipes, cables, etc. in ordinary/hard rock exceeding 1.5 m in depth but not exceeding 3 m. (Rate is over corresponding basic item for depth upto 1.5 metre.)	102%	Rupees One and Paise Two Only	1	metre

2.15	Extra for excavating trenches for pipes, cables, etc. in ordinary/hard rock exceeding 3m in depth but not exceeding 4.5 m. (Rate is over corresponding basic item for depth upto 1.5 metre.)	252%	Rupees Two and Paise Fifty Two Only	1	metre
2.16	Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered):				
2.16.1	Depth not exceeding 1.5 m.	55.40	Rupees Fifty Five and Paise Forty Only	1	sqm
2.16.2	Depth exceeding 1.5 m but not exceeding 3 m.	57.00	Rupees Fifty Seven and Paise Zero Only	1	sqm
2.16.3	Depth exceeding 3m but not exceeding 4.5 m	60.65	Rupees Sixty and Paise Sixty Five Only	1	sqm
2.17	Close timbering in case of shafts, wells, cesspits, manholes and the like including strutting, shoring and packing cavities (wherever required) etc. complete. (Measurements to be taken of the face area timbered):				
2.17.1	Depth not exceeding 1.5 m.	56.50	Rupees Fifty Six and Paise Fifty Only	1	sqm
2.17.2	Depth exceeding 1.5 m but not exceeding 3 m	59.95	Rupees Fifty Nine and Paise Ninety Five Only	1	sqm
2.17.3	Depth exceeding 3 m but not exceeding 4.5 m	63.55	Rupees Sixty Three and Paise Fifty Five Only	1	sqm
2.18	Close timbering over areas including strutting, shoring and packing, cavities (wherever required) etc. complete. (Measurements to be taken of the face area timbered) :				
2.18.1	Depth not exceeding 1.5 m.	49.60	Rupees Forty Nine and Paise Sixty Only	1	sqm
2.18.2	Depth exceeding 1.5 m but not exceeding 3 m	51.45	Rupees Fifty One and Paise Forty Five Only	1	sqm
2.18.3	Depth exceeding 3 m but not exceeding 4.5 m.	53.50	Rupees Fifty Three and Paise Fifty Only	1	sqm
2.19	Extra for planking, strutting and packing materials for cavities (in close timbering) if required to be left permanently in position (Face area of timber permanently left to be measured)	738.75	Rupees Seven Hundred Thirty Eight and Paise Seventy Five Only	1	sqm
2.2	Open timbering in trenches including strutting and shoring complete (Measurements to be taken of the face area timbered):				

2.20.1	Depth not exceeding 1.5 m.	27.55	Rupees Twenty Seven and Paise Fifty Five Only	1	sqm
2.20.2	Depth exceeding 1.5 m but not exceeding 3 m.	28.60	Rupees Twenty Eight and Paise Sixty Only	1	sqm
2.20.3	Depth exceeding 3 m but not exceeding 4.5 m.	30.25	Rupees Thirty and Paise Twenty Five Only	1	sqm
2.21	Open timbering in case of shafts, wells, cesspits, manholes and the like including strutting and shoring complete (measurements to be taken of the face area timbered):				
2.21.1	Depth not exceeding 1.5 m.	23.65	Rupees Twenty Three and Paise Sixty Five Only	1	sqm
2.21.2	Depth exceeding 1.5 m but not exceeding 3 m.	25.25	Rupees Twenty Five and Paise Twenty Five Only	1	sqm
2.21.3	Depth exceeding 3 m but not exceeding 4.5 m.	27.35	Rupees Twenty Seven and Paise Thirty Five Only	1	sqm
2.22	Open timbering over areas including strutting, shoring etc. complete. (Measurements to be taken of the face area timbered):				
2.22.1	Depth not exceeding 1.5 m.	16.70	Rupees Sixteen and Paise Seventy Only	1	sqm
2.22.2	Depth exceeding 1.5 m but not exceeding 3 m.	17.85	Rupees Seventeen and Paise Eighty Five Only	1	sqm
2.22.3	Depth exceeding 3 m but not exceeding 4.5 m.	19.60	Rupees Nineteen and Paise Sixty Only	1	sqm
2.23	Extra for planking and strutting in open timbering if required to be left permanently in position (face area of the timber permanently left to be measured)	366.25	Rupees Three Hundred Sixty Six and Paise Twenty Five Only	1	sqm
2.24	Extra rate for quantities of works, executed :				
2.24.1	In or under water and/or liquid mud, including pumping out water as required	20%	Twenty Percent Only	1	metre depth
2.24.2	In or under foul position, including pumping out water as required.	25%	Twenty Five Percent only	1	metre depth
2.26	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth: consolidating each deposited layer by ramming and				
	watering, lead up to 50 m and lift upto 1.5 m	30.25	Rupees Thirty and Paise Twenty Five Only	1	cum

2.27	Extra for every additional lift of 1.5 m or part thereof in :				
2.27.1	All kinds of soil.	12.45	Rupees Twelve and Paise Forty Five Only	1	cum
2.27.2	Ordinary or hard rock.	22.35	Rupees Twenty Two and Paise Thirty Five Only	1	cum
2.28	Supplying and filling in plinth with Jamuna sand under floors including, watering, ramming consolidating and dressing complete.	213.30	Rupees Two Hundred Thirteen and Paise Thirty Only	1	cum
2.29	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5m :				
2.29.1	All kinds of soil.	336.85	Rupees Three Hundred Thirty Six and Paise Eighty Five Only	100	sqm
2.3	Ploughing the existing ground to a depth of 15 cm to 25 cm and watering the same :	339.35	Rupees Three Hundred Thirty Nine and Paise Thirty Five Only	100	sqm
2.30.1	All kinds of soil				
2.31	Excavating holes upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil;				
2.31.1	All kinds of soil	48.35	Rupees Forty Eight and Paise Thirty Five Only	1	each
2.31.3	Ordinary rock	77.85	Rupees Seventy Seven and Paise Eighty Five Only	1	each
2.31.4	Hard rock (requiring blasting)	114.50	Rupees One Hundred Fourteen and Paise Fifty Only	1	each
2.31.5	Hard rock (blasting prohibited)	161.10	Rupees One Hundred Sixty One and Paise Ten Only	1	each
2.32	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.of 50 m outside the periphery of the area cleared.	173.60	Rupees One Hundred Seventy Three and Paise Sixty Only	100	sqm
2.33	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	89.10	Rupees Eighty Nine and Paise Ten Only	100	sqm

2.34	Felling trees of the girth (measured at a height of 1 m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable material and disposal of unserviceable material :				
2.34.1	Beyond 30 cm girth upto and including 60 cm girth	53.60	Rupees Fifty Three and Paise Sixty Only	1	each
2.34.2	Beyond 60 cm girth upto and including 120 cm girth	236.35	Rupees Two Hundred Thirty Six and Paise Thirty Five Only	1	each
2.34.3	Beyond 120 cm girth upto and including 240 cm girth	1090.60	Rupees One Thousand Ninety and Paise Sixty Only	1	each
2.34.4	Above 240 cm girth	2188.85	Rupees Two Thousand One Hundred Eighty Eight and Paise Eighty Five Only	1	each
2.35	Supplying chemical emulsion in sealed containers including delivery as specified.				
2.35.1	Chlorpyriphos/Lindane emulsifiable concentrate of 20%	133.35	Rupees One Hundred Thirty Three and Paise Thirty Five Only	1	litre
2.37	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :				
2.37.1	Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300mm including excavation channel along the wall & rodding etc. complete:				
2.37.1.1	With Chlorpyriphos/Lindane E.C. 20% with 1% concentration	4.35	Rupees Four and Paise Thirty Five Only	1	metre
2.37.2	Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.				
2.37.2.1	With Chlorpyriphos/Lindane E.C. 20% with 1% concentration.	6.70	Rupees Six and Paise Seventy Only	1	metre
2.37.3	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor.				

2.37.3.1	With Chlorpyriphos/Lindane E.C. 20% with 1% concentration.	32.60	Rupees Thirty Two and Paise Sixty Only	1	sqm
2.37.4	Treatment of existing masonry using chemical emulsion@ one litre per hole at 300mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2(1 cement : 2 coarse sand) to the full depth of the hole.				
2.37.4.1	With Chlorpyriphos/Lindane E.C. 20% with 1% concentration.	5.00	Rupees Five and Paise Zero Only	1	metre
2.37.5	Treatment at points of contact of wood work by chemical emulsion Chlorpyriphos/Lindane (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150mm centre to centre and sealing the same.	57.80	Rupees Fifty Seven and Paise Eighty Only	1	metre
	MORTARS				
2101	Lime mortar 1:1:1 (1lime putty :1surkhi :1fine sand)	1154.75	Rupees One Thousand One Hundred Fifty Four and Paise Seventy Five Only	1	cum
2104	Lime mortar 1:2 (1lime putty :2surkhi)	1214.95	Rupees One Thousand Two Hundred Fourteen and Paise Ninety Five Only	1	cum
2105	Cement mortar 1 : 1 (1 cement : 1 fine sand)	2929.35	Rupees Two Thousand Nine Hundred Twenty Nine and Paise Thirty Five Only	1	cum
2106	Cement mortar 1 : 2 (1 cement : 2 fine sand)	2103.60	Rupees Two Thousand One Hundred Three and Paise Sixty Only	1	cum
2107	Cement mortar 1 : 3 (1 cement : 3 fine sand)	1691.05	Rupees One Thousand Six Hundred Ninety One and Paise Five Only	1	cum
2108	Cement mortar 1 : 4 (1 cement : 4 fine sand)	1353.05	Rupees One Thousand Three Hundred Fifty Three and Paise Five Only	1	cum
2109	Cement mortar 1 : 5 (1 cement : 5 fine sand)	1171.05	Rupees One Thousand One Hundred Seventy One and Paise Five Only	1	cum
2110	Cement mortar 1 : 6 (1 cement : 6 fine sand)	1015.05	Rupees One Thousand Fifteen and Paise Five Only	1	cum

2111	Cement mortar 1 : 2 (1 cement : 2 coarse sand)	2249.85	Rupees Two Thousand Two Hundred Forty Nine and Paise Eighty Five Only	1	cum
2112	Cement mortar 1 : 3 (1 cement : 3 coarse sand)	1855.80	Rupees One Thousand Eight Hundred Fifty Five and Paise Eighty Only	1	cum
2113	Cement mortar 1 : 4 (1 cement : 4 coarse sand)	1517.80	Rupees One Thousand Five Hundred Seventeen and Paise Eighty Only	1	cum
2114	Cement mortar 1 : 5 (1 cement : 5 coarse sand)	1335.80	Rupees One Thousand Three Hundred Thirty Five and Paise Eighty Only	1	cum
2115	Cement mortar 1 : 6 (1 cement : 6 coarse sand)	1179.80	Rupees One Thousand One Hundred Seventy Nine and Paise Eighty Only	1	cum
2116	Cement mortar 1 : 2 (1 cement : 2 stone dust)	2374.00	Rupees Two Thousand Three Hundred Seventy Four and Paise Zero Only	1	cum
2117	Cement mortar 1 : 2 (1 cement : 2 marble dust)	2552.90	Rupees Two Thousand Five Hundred Fifty Two and Paise Ninety Only	1	cum
2118	Cement mortar 1 : 5 (1 cement : 5 marble dust)	1677.05	Rupees One Thousand Six Hundred Seventy Seven and Paise Five Only	1	cum
2127	White cement Lime mortar 1/4 : 1 : 1 : 1 (1/4 White cement : 1 lime putty : 1 stone dust : 1 marble dust)	2638.90	Rupees Two Thousand Six Hundred Thirty Eight and Paise Ninety Only	1	cum
2128	White cement mortar 1 : 2 (1 White cement : 2 marble dust)	6224.90	Rupees Six Thousand Two Hundred Twenty Four and Paise Ninety Only	1	cum
2129	White cement mortar 1 : 3 (1 White cement : 3 marble dust)	4951.05	Rupees Four Thousand Nine Hundred Fifty One and Paise Five Only	1	cum

2130	White cement mortar 1 : 5 (1 White cement : 5 marble dust)	3351.05	Rupees Three Thousand Three Hundred Fifty One and Paise Five Only	1	cum
2120	Cement lime mortar 1:1:3 (1 cement : 1 lime putty : 3 fine sand)	1873.50	Rupees One Thousand Eight Hundred Seventy Three and Paise Fifty Only	1	cum
2121	Cement lime mortar 1:1:6 (1 cement : 1 lime putty : 6 fine sand)	1349.60	Rupees One Thousand Three Hundred Forty Nine and Paise Sixty Only	1	cum
2124	Cement lime mortar 1:2:9 (1 cement : 2 lime putty : 9 fine sand)	1230.90	Rupees One Thousand Two Hundred Thirty and Paise Ninety Only	1	cum
2126	Cement lime mortar 1:1:6 (1 cement : 1 lime putty : 6 coarse sand)	1514.30	Rupees One Thousand Five Hundred Fourteen and Paise Thirty Only	1	cum
2131	Mud mortar	104.80	Rupees One Hundred Four and Paise Eighty Only	1	cum
	CONCRETE WORK				
4.1	Providing and laying lime concrete in footings and bases for columns, excluding cost of centring and shuttering :				
4.1.2	With graded stone aggregate 40 mm nominal size and 40% mortar comprising of 1 lime putty : 1 surkhi : 1 fine sand	1172.50	Rupees One Thousand One Hundred Seventy Two and Paise Fifty Only	1	cum
4.1.4	With graded brick aggregate 40 mm nominal size and 40% mortar comprising of 1 lime putty : 1 surkhi : 1 fine sand	1004.40	Rupees One Thousand Four and Paise Forty Only	1	cum
4.2	Providing and laying on terrace upto floor five level lime concrete with graded brick aggregate 25 mm nominal size and 50% mortar comprising of 1 lime putty : 2 surkhi	1625.25	Rupees One Thousand Six Hundred Twenty Five and Paise Twenty Five Only	1	cum
4.3	Deduct for using 65 mm nominal size graded stone aggregate instead of 40 mm nominal size graded stone aggregate in lime concrete	42.95	Rupees Forty Two and Paise Ninety Five Only	1	cum
4.4	Deduct for using 65 mm nominal size graded brick aggregate instead of 40 mm nominal size graded brick aggregate in lime concrete	7.65	Rupees Seven and Paise Sixty Five Only	1	cum

4.5	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level				
4.5.1	1:1:2 (1 Cement : 1 coarse sand : 2 graded stone aggregate 20 mm nominal size)	2652.90	Rupees Two Thousand Six Hundred Fifty Two and Paise Ninety Only	1	cum
4.5.2	1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	2046.55	Rupees Two Thousand Forty Six and Paise Fifty Five Only	1	cum
4.5.3	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	1843.00	Rupees One Thousand Eight Hundred Forty Three and Paise Zero Only	1	cum
4.5.4	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	1811.35	Rupees One Thousand Eight Hundred Eleven and Paise Thirty Five Only	1	cum
4.5.5	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	1588.35	Rupees One Thousand Five Hundred Eighty Eight and Paise Thirty Five Only	1	cum
4.5.6	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	1549.15	Rupees One Thousand Five Hundred Forty Nine and Paise Fifteen Only	1	cum
4.5.7	1:3:6 (1 Cement : 3 fine sand : 6 graded stone aggregate 40 mm nominal size)	1468.75	Rupees One Thousand Four Hundred Sixty Eight and Paise Seventy Five Only	1	cum
4.5.8	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	1404.70	Rupees One Thousand Four Hundred Four and Paise Seventy Only	1	cum
4.5.9	1:4:8 (1 Cement : 4 fine sand : 8 graded stone aggregate 40 mm nominal size)	1324.30	Rupees One Thousand Three Hundred Twenty Four and Paise Thirty Only	1	cum
4.5.10	1:5:10 (1 Cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	1289.15	Rupees One Thousand Two Hundred Eighty Nine and Paise Fifteen Only	1	cum
4.5.11	1:5:10 (1 Cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size)	1205.55	Rupees One Thousand Two Hundred Five and Paise Fifty Five Only	1	cum

4.5.12	1:2:3.5:9 (1 Ordinary Portland cement : 2 Fly Ash : 3.5 Coarse Sand : 9 graded Stone Aggregate 40mm nominal size)	1374.20	Rupees One Thousand Three Hundred Seventy Four and Paise Twenty Only	1	cum
4.5.13	1:2.5:4:11 (1 Ordinary Portland cement : 2.5 Fly Ash : 4 Coarse Sand : 11 graded Stone Aggregate 40mm nominal size)	1245.40	Rupees One Thousand Two Hundred Forty Five and Paise Forty Only	1	cum
4.6	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor block				
4.6.1	1:1:2 (1 Cement : 1 coarse sand : 2 graded stone aggregate 20 mm nominal size)	2858.65	Rupees Two Thousand Eight Hundred Fifty Eight and Paise Sixty Five Only	1	cum
4.6.2	1:1:5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	2252.25	Rupees Two Thousand Two Hundred Fifty Two and Paise Twenty Five Only	1	cum
4.6.3	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	2048.75	Rupees Two Thousand Forty Eight and Paise Seventy Five Only	1	cum
4.6.4	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	2017.10	Rupees Two Thousand Seventeen and Paise Ten Only	1	cum
4.6.5	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	1794.10	Rupees One Thousand Seven Hundred Ninety Four and Paise Ten Only	1	cum
4.6.6	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	1754.90	Rupees One Thousand Seven Hundred Fifty Four and Paise Ninety Only	1	cum
4.6.7	1:3:6 (1 Cement : 3 fine sand : 6 graded stone aggregate 40 mm nominal size)	1674.45	Rupees One Thousand Six Hundred Seventy Four and Paise Forty Five Only	1	cum
4.9	Centring and shuttering including strutting, propping etc. and removal of form work for				
4.9.1	Foundations, footings, bases of Columns	61.10	Rupees Sixty One and Paise Ten Only	1	sqm
4.9.2	Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets etc	106.40	Rupees One Hundred Six and Paise Forty Only	1	sqm

4.9.3	Columns, piers, abutments, pillars, posts and struts	135.80	Rupees One Hundred Thirty Five and Paise Eighty Only	1	sqm
4.10	Providing and laying cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centring, shuttering and finishing				
4.10.1	1:2:4 (1 Cement : 2 coarse sand : 4 grade stone aggregate 20mm nominal size)	1843.00	Rupees One Thousand Eight Hundred Forty Three and Paise Zero Only	1	cum
4.10.2	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	1588.35	Rupees One Thousand Five Hundred Eighty Eight and Paise Thirty Five Only	1	cum
4.16	Providing and fixing upto floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, etc. including hoisting and setting in position with cement mortar				
4.16.1	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	2837.30	Rupees Two Thousand Eight Hundred Thirty Seven and Paise Thirty Only	1	cum
4.16.2	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	2582.65	Rupees Two Thousand Five Hundred Eighty Two and Paise Sixty Five Only	1	cum
4.17	Providing and fixing at or near ground level precast cement concrete in kerbs, edgings etc. as per approved pattern and setting in position with cement mortar 1 : 3 (1 Cement : 3 coarse sand) including the cost of required centring, shuttering and finishi				
4.17.1	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	2391.00	Rupees Two Thousand Three Hundred Ninety One and Paise Zero Only	1	cum
4.18	Providing and fixing upto floor five level precast cement concrete solid block including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), cost of required centring, shuttering and finishing smooth with 6mm thick cement p				
4.18.1	1:2:4 (1 Cement : 2 coarse sand : 4graded stone aggregate 20mm nominal size)	3341.25	Rupees Three Thousand Three Hundred Forty One and Paise Twenty Five Only	1	cum

4.18.2	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	3086.60	Rupees Three Thousand Eighty Six and Paise Sixty Only	1	cum
4.19	Providing and fixing upto floor five level precast cement concrete hollow block including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), cost of required centring, shuttering and finishing smooth with 6mm thick cement				
4.19.1	1:2:4 (1 Cement : 2 coarse sand : 4graded stone aggregate 20mm nominal size)	3009.60	Rupees Three Thousand Nine and Paise Sixty Only	1	cum
4.19.2	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	2892.40	Rupees Two Thousand Eight Hundred Ninety Two and Paise Forty Only	1	cum
4.21	Precasting and placing in position 125mm dia Bollards 600mm high of required shape including providing M.S. Pipe Sleeve 50mm dia 300mm long in the Bollard and M.S. Pipes 40mm dia and 450mm long with 150x150x6mm M.S. plate welded at bottom and embedded 150	178.50	Rupees One Hundred Seventy Eight and Paise Fifty Only	1	each
4.24	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size).	84.60	Rupees Eighty Four and Paise Sixty Only	1	sq.m.
4.25	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size).	103.80	Rupees One Hundred Three and Paise Eighty Only	1	sq.m.
4.26	Extra for providing and mixing water proofing material 'Impermo' or equivalent in cement concrete work @ 1 kg per 50kg of cement.	19.25	Rupees Nineteen and Paise Twenty Five Only	1	per bag of 50 kg.of cement used in the mix.
4.27	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil	29.25	Rupees Twenty Nine and Paise Twenty Five Only	1	sqm.
4.28	Extra for concrete work in superstructure above floor V level for each four floors or part thereof	155.00	Rupees One Hundred Fifty Five and Paise Zero Only	1	cum

4.29	Extra for laying concrete in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete	118.25	Rupees One Hundred Eighteen and Paise Twenty Five Only	1	per cum per metre depth.
4.3	Extra for laying concrete in or under foul positions	46.65	Rupees Forty Six and Paise Sixty Five Only	1	cum
4.31	Extra for using 12.5/10 mm nominal size graded/single size stone aggregate instead of 20mm nominal size graded stone aggregate in cement concrete/reinforced cement concrete 1:2:4 (1 Cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	2.25	Rupees Two and Paise Twenty Five Only	1	cum
	REINFORCED CEMENT CONCRETE				
5.1	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level				
5.1.1	1:1:2 (1 Cement : 1 coarse sand : 2 graded stone aggregate 20 mm nominal size)	2722.55	Rupees Two Thousand Seven Hundred Twenty Two and Paise Fifty Five Only	1	cum
5.1.2	1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	2116.20	Rupees Two Thousand One Hundred Sixteen and Paise Twenty Only	1	cum
5.1.3	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	1912.65	Rupees One Thousand Nine Hundred Twelve and Paise Sixty Five Only	1	cum
5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upto floor five level excluding cost of centring, shutterin				
5.2.1	1:1:2 (1 Cement : 1 coarse sand : 2 graded stone aggregate 20 mm nominal size)	2957.70	Rupees Two Thousand Nine Hundred Fifty Seven and Paise Seventy Only	1	cum
5.2.2	1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	2351.35	Rupees Two Thousand Three Hundred Fifty One and Paise Thirty Five Only	1	cum
5.2.3	1:2:4 (1 Cement : 2 coarse sand: 4 graded stone aggregate 20 mm nominal size)	2147.80	Rupees Two Thousand One Hundred Forty Seven and Paise Eighty Only	1	cum

5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	2120.65	Rupees Two Thousand One Hundred Twenty and Paise Sixty Five Only	1	cum
5.9	Providing and laying upto floor five level reinforced cement concrete in kerbs, steps and the like excluding the cost of centring,shuttering, finishing and reinforcement with 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	2007.25	Rupees Two Thousand Seven and Paise Twenty Five Only	1	cum
5.10	Reinforced cement concrete work in arches, archribs, domes, vaults, shells, folded plate and roofs having slope more than 15° upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	2041.00	Rupees Two Thousand Forty One and Paise Zero Only	1	cum
5.11	Reinforced cement concrete work in chimneys, shafts, upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1 : 2 : 4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	2174.65	Rupees Two Thousand One Hundred Seventy Four and Paise Sixty Five Only	1	cum
5.12	Reinforced cement concrete work in well-steining excluding the cost of centring, shuttering, finishing and reinforcement with 1 : 2 : 4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	1851.25	Rupees One Thousand Eight Hundred Fifty One and Paise Twenty Five Only	1	cum
5.13	Reinforced cement concrete work in Vertical and horizontal fins individually or forming box louvers, facias and eaves boards upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1 : 1.5 : 3 (1 Cement : 1.5 coarse sand : 3graded stone aggregate 20mm nominal size)	2247.60	Rupees Two Thousand Two Hundred Forty Seven and Paise Sixty Only	1	cum
5.14	Centring and shuttering including strutting, propping etc. and removal of form for:removal of form for:				
5.14.1	Foundations, footings, bases of columns etc. for mass concrete.	61.10	Rupees Sixty One and Paise Ten Only	1	sqm
5.14.2	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	106.40	Rupees One Hundred Six and Paise Forty Only	1	sqm

5.14.3	Suspended floors, roofs, landings, balconies and access platform.	111.20	Rupees One Hundred Eleven and Paise Twenty Only	1	sqm
5.14.4	Shelves (Cast in situ)	111.20	Rupees One Hundred Eleven and Paise Twenty Only	1	sqm
5.14.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	87.95	Rupees Eighty Seven and Paise Ninety Five Only	1	sqm
5.14.6	Columns, Pillars, Piers, Abutments, Posts and Struts	135.80	Rupees One Hundred Thirty Five and Paise Eighty Only	1	sqm
5.14.7	Stairs, (excluding landings) except spiral-staircases.	106.40	Rupees One Hundred Six and Paise Forty Only	1	sqm
5.14.8	Spiral staircases (including landing)	102.30	Rupees One Hundred Two and Paise Thirty Only	1	sqm
5.14.9	Arches, domes, vaults upto 6m span	378.55	Rupees Three Hundred Seventy Eight and Paise Fifty Five Only	1	sqm
5.14.10	Extra for arches, domes, vaults exceeding 6m span	199.65	Rupees One Hundred Ninety Nine and Paise Sixty Five Only	1	sqm
5.14.11	Chimneys and shafts	106.40	Rupees One Hundred Six and Paise Forty Only	1	sqm
5.14.12	Well steining	204.95	Rupees Two Hundred Four and Paise Ninety Five Only	1	sqm
5.14.13	Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards	156.50	Rupees One Hundred Fifty Six and Paise Fifty Only	1	sqm
5.14.14	Extra for shuttering in circular work (20% of respective centring and shuttering items)	0.20	Zero Rupee and Paise Twenty Only	1	sqm
5.14.16	Small lintels not exceeding 1.5m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like.	61.10	Rupees Sixty One and Paise Ten Only	1	sqm
5.14.17	Edges of slabs and breaks in floors and walls.	0.00	Rupees and Paise Zero Only	0	0
5.14.17.1	Under 20 cms wide	29.90	Rupees Twenty Nine and Paise Ninety Only	1	metre
5.14.17.2	Above 20 cm wide	132.75	Rupees One Hundred Thirty Two and Paise Seventy Five Only	1	sqm
5.14.18	Cornices and mouldings	145.50	Rupees One Hundred Forty Five and Paise Fifty Only	1	sqm
5.14.19	Small surfaces such as cantilever ends, brackets and ends of steps, caps and bases to pilasters and columns and the like	131.00	Rupees One Hundred Thirty One and Paise Zero Only	1	sqm

5.14.20	Weather shade, Chajjas, corbels etc., including edges	134.45	Rupees One Hundred Thirty Four and Paise Forty Five Only	1	sqm
5.15	Providing and fixing tie bolt, spring coil and plastic cone in wall shuttering complete as per the direction of Engineer-in-charge				
5.15.1	12 mm dia & 100 mm length	56.70	Rupees Fifty Six and Paise Seventy Only	1	each set
5.15.2	12 mm dia. & 150 mm length	58.90	Rupees Fifty Eight and Paise Ninety Only	1	each set
5.15.3	20 mm dia.& 150 mm length	81.15	Rupees Eighty One and Paise Fifteen Only	1	each set
5.15.4	20 mm dia.& 225 mm length	93.35	Rupees Ninety Three and Paise Thirty Five Only	1	each set
5.16	Extra for additional height in centring, shuttering where ever required with adequate bracing, propping etc. including cost of de-shuttering and decentring at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan area to be measured)				
5.16.1	Suspended floors, roofs, landing, beams and balconies(Plan area to be measured)	45.90	Rupees Forty Five and Paise Ninety Only	1	sqm
5.19	Providing, hoisting and fixing upto floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like including the cost of required centring, shuttering, finishing smooth with 6mm thick cement plaster 1:3 (1 cement :3 fine sand) on exposed surfaces complete but excluding cost of reinforcement with 1:2:4(1cement :2coarse sand :4graded stone aggregate 20mm nominal size).	2884.80	Rupees Two Thousand Eight Hundred Eighty Four and Paise Eighty Only	1	cum
5.20	Providing, hoisting and fixing upto floor five level precast reinforced cement concrete in small lintels not exceeding 1.5m clear span upto floor five level including the cost of required centring, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 cement :3 fine sand) on exposed surfaces complete but excluding cost of reinforcement with 1:2:4(1cement :2coarse sand :4graded stone aggregate 20mm nominal size).	3438.15	Rupees Three Thousand Four Hundred Thirty Eight and Paise Fifteen Only	1	cum

5.21	Providing, hoisting and fixing upto floor five level precast reinforced cement concrete in mouldings as in cornices, windows sills etc. including the cost of required centring, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 cement :3 fine sand) on exposed surfaces complete but excluding cost of reinforcement with 1:2:4(1cement :2coarse sand :4graded stone aggregate 20mm nominal size)	3915.25	Rupees Three Thousand Nine Hundred Fifteen and Paise Twenty Five Only	1	cum
5.22	Providing, hoisting and fixing upto floor five level precast reinforced cement concrete in lintels, beams and bressumers including setting in cement mortar 1:3 (1 Cement : 3 coarse sand), cost of required centring and shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 cement :3 fine sand) on exposed surfaces complete but excluding cost of reinforcement with 1:2:4(1cement :2coarse sand :4graded stone aggregate 20mm nominal size)	3004.45	Rupees Three Thousand Four and Paise Forty Five Only	1	cum
5.23	Providing, hoisting and fixing upto floor five level precast reinforced cement concrete in shelves including setting in cement mortar 1:3 (1 Cement : 3 coarse sand), cost of required centring, shuttering and finishing with neat cement punning on exposed surfaces but excluding the cost of reinforcement with 1:2:4(1 cement :2 coarse sand :4 graded stone aggregate 12.5 mm nominal size.)	3988.90	Rupees Three Thousand Nine Hundred Eighty Eight and Paise Ninety Only	1	cum
5.24	Providing, hoisting and fixing upto floor five level precast reinforced cement concrete in vertical & horizontal fins individually or forming box louvers setting in cement mortar 1:2 (1 Cement : 2 coarse sand) including the cost of required centring, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 cement :3 fine sand) on exposed surfaces complete but excluding cost of reinforcement with 1:2:4(1cement :2coarse sand :4graded stone aggregate 20mm nominal size)	4027.25	Rupees Four Thousand Twenty Seven and Paise Twenty Five Only	1	cum
5.25	Providing, precast cement concrete Jali 1:2:4 (1 Cement : 2 coarse sand : 4 stone aggregate 6mm nominal size) reinforced with 1.6 mm dia mild steel wire including centring and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement :3 fine sand) etc.complete excluding plastering of the jambs,sills and soffits.				

5.25.1	50 mm thick	253.60	Rupees Two Hundred Fifty Three and Paise Sixty Only	100	sqm
5.25.2	40 mm thick	213.95	Rupees Two Hundred Thirteen and Paise Ninety Five Only	100	sqm
5.25.3	25 mm thick	190.65	Rupees One Hundred Ninety and Paise Sixty Five Only	100	sqm
5.26	Encasing rolled steel sections, in beams and columns, with cement concrete 1:2:4 (1 Cement : 2 coarse sand : 4 stone aggregate 12.5mm nominal size) including centring and shuttering complete but excluding cost of reinforcement.	2777.25	Rupees Two Thousand Seven Hundred Seventy Seven and Paise Twenty Five Only	1	cum
5.27	Encasing rolled steel section in grillages with cement concrete 1:2:4 (1 Cement : 2 coarse sand : 4 stone aggregate 12.5mm nominal size) including centring and shuttering but excluding cost of expanded metal and hangers.	1993.25	Rupees One Thousand Nine Hundred Ninety Three and Paise Twenty Five Only	1	cum
5.28	Extra for providing and fixing expanded metal mesh of size 20x60mm and strands 3.25mm wide 1.6mm thick weighing 3.64 kg. per sqm. for encasing of rolled steel sections in beams, columns and grillages excluding cost of hangers.	148.10	Rupees One Hundred Forty Eight and Paise Ten Only	1	sqm
5.29	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete .				
5.29.1	Mild steel and Medium Tensile steel bars	21.45	Rupees Twenty One and Paise Forty Five Only	1	kilogram
5.29.2	Hard drawn steel wire	29.55	Rupees Twenty Nine and Paise Fifty Five Only	1	kilogram
5.29.3	Cold twisted bars	21.85	Rupees Twenty One and Paise Eighty Five Only	1	kilogram
5.29.4	Hot rolled deformed bars	21.85	Rupees Twenty One and Paise Eighty Five Only	1	kilogram
5.29.5	Hard drawn steel wire fabric	24.70	Rupees Twenty Four and Paise Seventy Only	1	kilogram
5.29.7	Thermo-Mechanically Treated bars.	21.85	Rupees Twenty One and Paise Eighty Five Only	1	kilogram
5.30	Extra for RCC work in super structure above floor V level for each four floors or part thereof.	155.00	Rupees One Hundred Fifty Five and Paise Zero Only	1	cum
5.31	Deduct for omitting in R.C.C. work smooth finishing of the exposed surface with 6mm thick cement mortar 1:3 (1 Cement : 3 fine sand)	40.00	Rupees Forty and Paise Zero Only	1	sqm

5.32	Extra for rendering smooth the top of suspended floors, landings and staircases (treads and risers) with cement mortar 1:2 (1 Cement : 2 coarse sand) including a floating coat of neat cement and protecting the surface with a layer of 7.5 cm of earth laid	29.00	Rupees Twenty Nine and Paise Zero Only	1	sqm
5.33	Providing and fixing in position copper plate as per design for expansion joints.	158.85	Rupees One Hundred Fifty Eight and Paise Eighty Five Only	1	kilogram
5.34	Providing and filling in position, blown bitumen in expansion joints.	180.05	Rupees One Hundred Eighty and Paise Five Only	1	per cm depth per cm width per 100 m
5.35	Providing and filling in position bitumen mix filler of Proportion 80 kg. of hot bitumen, 1 kg. of cement and 0.25 cubicmetre of coarse sand for expansion joints.	50.25	Rupees Fifty and Paise Twenty Five Only	1	per cm depth per cm width per 100 m
5.36	Providing and fixing in position 12mm thick bitumen impregnated fibre board conforming to IS:1838 including cost of primer, sealing compound in expansion joints.	248.85	Rupees Two Hundred Forty Eight and Paise Eighty Five Only	1	per cm depth per 100 m
5.37	Providing and fixing sheet covering over expansion joints with iron screws as per design to match the colour / shade of wall treatment.	0.00	Rupees and Paise Zero Only	0	0
5.37.1	Asbestos sheet 6 mm thick	0.00	Rupees and Paise Zero Only	0	0
5.37.1.1	150mm wide	44.30	Rupees Forty Four and Paise Thirty Only	1	metre
5.37.1.2	200mm wide	59.45	Rupees Fifty Nine and Paise Forty Five Only	1	metre
5.37.2	Aluminium fluted strips 3.15 mm thick				
5.37.2.1	150 mm wide.	167.80	Rupees One Hundred Sixty Seven and Paise Eighty Only	1	metre
5.37.2.2	200 mm wide.	223.30	Rupees Two Hundred Twenty Three and Paise Thirty Only	1	metre
5.38	Add or deduct for plaster drip course/groove in plastered surface or moulding to R.C.C. projections	8.50	Rupees Eight and Paise Fifty Only	1	metre

5.40	Extra for laying reinforced cement concrete in or under water and / or liquid mud including cost of pumping or bailing out water and removing slush etc., complete.	118.25	Rupees One Hundred Eighteen and Paise Twenty Five Only	1	per cum per metre depth
5.41	Extra for laying reinforced cement concrete in or under foul positions.	46.65	Rupees Forty Six and Paise Sixty Five Only	1	cum
5.42	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering, finishing and reinforcement.includingAdmixtures in recommended proportions.(as per is 9103) to accelerate, retard setting of concrete improve workability without imparing strength and durability as per direction of Engineer-in -charge-M-20grade reinforced cement concrete				
5.42.1	All work upto plinth level	2284.05	Rupees Two Thousand Two Hundred Eighty Four and Paise Five Only	1	cum
5.42.2	All work from plinth level upto floor V level.	0.00	Rupees and Paise Zero Only	0	0
5.42.2.1	Walls, columns, pillars, posts and struts	2411.40	Rupees Two Thousand Four Hundred Eleven and Paise Forty Only	1	cum
5.42.2.2	Beams, plinth beams, girders, bressumers, cantilevers, Suspended floors lintels roofs and staircases including spiral staircases, shelves etc.	2518.25	Rupees Two Thousand Five Hundred Eighteen and Paise Twenty Five Only	1	cum
5.43	Extra for R.C.C. work above floor V level for each four floors or part thereof.	155.00	Rupees One Hundred Fifty Five and Paise Zero Only	1	cum
5.44	Add or deduct for providing richer or leaner mixes respectively at all floor levels.				
5.44.1	Providing M-25 grade R.C.C. instead of M-20 grade R.C.C.	84.00	Rupees Eighty Four and Paise Zero Only	1	cum
5.44.2	Providing M-30 grade R.C.C. instead of M-20 grade R.C.C.	115.10	Rupees One Hundred Fifteen and Paise Ten Only	1	cum
5.44.3	Providing M-35 grade R.C.C. instead of M-20 grade R.C.C.	140.00	Rupees One Hundred Forty and Paise Zero Only	1	cum

5.46	Providing and placing in position precast reinforced cement concrete waffle units square or rectangular as per design and shape for floors and roofs in 1:1½:3 (1 Cement : 1½ coarse sand : 3 graded stone aggregate 10mm nominal size) including flush or deep ruled pointing at joints in cement mortar 1:2(1 cement : 2Fine sand),making necessary holes of required sizes for carrying through service lines etc.,providing steel wire handles for lifting etc, form work in precasting,handling,hoisting,centering and erection complete for all floor levels but excluding the cost of reinforcement and steel wire.	5440.85	Rupees Five Thousand Four Hundred Forty and Paise Eighty Five Only	1	cum
	BRICK WORK				
6.1	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in :				
6.1.2	Cement lime mortar 1:1:6 (1 cement : 1 lime putty : 6 fine sand)	1431.65	Rupees One Thousand Four Hundred Thirty One and Paise Sixty Five Only	1	cum
6.1.5	Cement lime mortar 1:2:9 (1 cement : 2 lime putty : 9 fine sand)	1398.70	Rupees One Thousand Three Hundred Ninety Eight and Paise Seventy Only	1	cum
6.1.6	Cement lime mortar 1:1:6 (1 cement : 1 lime putty : 6 coarse sand)	1477.40	Rupees One Thousand Four Hundred Seventy Seven and Paise Forty Only	1	cum
6.1.8	Cement mortar 1:4 (1 cement : 4 fine sand)	1432.60	Rupees One Thousand Four Hundred Thirty Two and Paise Sixty Only	1	cum
6.1.9	Cement mortar 1:5 (1 cement : 5 fine sand)	1382.05	Rupees One Thousand Three Hundred Eighty Two and Paise Five Only	1	cum
6.1.10	Cement mortar 1:6 (1 cement : 6 fine sand)	1338.75	Rupees One Thousand Three Hundred Thirty Eight and Paise Seventy Five Only	1	cum
6.1.12	Cement mortar 1:4 (1 cement : 4 coarse sand)	1478.40	Rupees One Thousand Four Hundred Seventy Eight and Paise Forty Only	1	cum

6.1.14	Cement mortar 1:6 (1 cement : 6 coarse sand)	1384.50	Rupees One Thousand Three Hundred Eighty Four and Paise Fifty Only	1	cum
6.2	Brick work with Modular bricks of class designation 75 in foundation and plinth in :				
6.2.1	Cement Mortar 1:4 (1 cement : 4 fine sand)	1383.00	Rupees One Thousand Three Hundred Eighty Three and Paise Zero Only	1	cum
6.2.2	Cement Mortar 1:6 (1 cement : 6 fine sand)	1300.40	Rupees One Thousand Three Hundred and Paise Forty Only	1	cum
6.2.3	Cement Mortar 1:4 (1 cement : 4 coarse sand)	1423.30	Rupees One Thousand Four Hundred Twenty Three and Paise Thirty Only	1	cum
6.2.4	Cement Mortar 1:6 (1cement : 6 coarse sand)	1340.65	Rupees One Thousand Three Hundred Forty and Paise Sixty Five Only	1	cum
6.2A	Brick work with machine moulded perforated bricks of class designation 125 conforming to IS: 2222 -1991 in superstructure above plinth level upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand)				
6.2A.1	With F.P.S. bricks	2195.70	Rupees Two Thousand One Hundred Ninety Five and Paise Seventy Only	1	cum
6.2A.2	With Modular bricks	2083.85	Rupees Two Thousand Eighty Three and Paise Eighty Five Only	1	cum
6.3	Extra for brick work in superstructure above plinth level upto floor V level	206.40	Rupees Two Hundred Six and Paise Forty Only	1	cum
6.4	Extra for brick work in superstructure above floor V level for each four floors or part thereof.	155.00	Rupees One Hundred Fifty Five and Paise Zero Only	1	cum
6.6	Extra for brick work in :				
6.6.1	Square or rectangular pillars.	99.90	Rupees Ninety Nine and Paise Ninety Only	1	cum
6.7	Extra for brick work with bricks of class designation 75 curved on plan upto a mean radius not exceeding 6 metres	147.40	Rupees One Hundred Forty Seven and Paise Forty Only	1	cum

6.9	Extra for cutting or chamfering of bricks to required shape in masonry work.	4.50	Rupees Four and Paise Fifty Only	1	metre
6.10	Constructing tharry with bricks of class designation 75 laid on edge in cement mortar 1:4 (1 Cement : 4 coarse sand), cement pointing 1: 2 (1 Cement : 2 fine sand) including necessary excavation and 10cm bed of cement concrete 1:5:10 (1 Cement : 5 fine sand :10 graded stone aggregate,40mm nominal size)complete.	415.45	Rupees Four Hundred Fifteen and Paise Forty Five Only	1	sqm
6.11	Extra for forming cavity 5cm to 7.5cm wide in cavity walls with necessary weep and vent holes including use of cores and cost of providing and fixing bitumastic coated M .S. ties 300mm long of 25x3mm section at not less than 3 ties per sqm as per approved	30.00	Rupees Thirty and Paise Zero Only	1	sqm
6.12	Providing half brick masonry with bricks of class designation 75 in cement mortar 1:3 (1 Cement : 3 coarse sand) in superstructure for closing cavity 5 to 7.5 cm wide in cavity wall complete with 10 cm / 11.4 cm wide bitumen felt type 3 grade 1.	64.30	Rupees Sixty Four and Paise Thirty Only	1	metre
6.13	Brick work 7 cm thick with bricks of class designation 75 in cement mortar 1:3 (1 Cement : 3 coarse sand) in superstructure	139.85	Rupees One Hundred Thirty Nine and Paise Eighty Five Only	1	sqm
6.15	Brick work in plain arches in superstructure including centring and shuttering complete for span upto 6 metres with bricks of class designation 75 in cement mortar 1:3 (1 Cement : 3 coarse sand)	2577.75	Rupees Two Thousand Five Hundred Seventy Seven and Paise Seventy Five Only	1	cum
6.16	Brick work in gauged arches in superstructure in cement mortar 1:3 (1 Cement : 3 coarse sand) including centring and shuttering complete, for span upto 6 meters with bricks of class designation 75 :	3028.65	Rupees Three Thousand Twenty Eight and Paise Sixty Five Only	1	cum
6.17	Extra for additional cost of centring for arches exceeding 6m span including all shuttering, bolting, wedging and removal (Area of the soffit to be measured).	199.65	Rupees One Hundred Ninety Nine and Paise Sixty Five Only	1	sqm
6.18	Half brick masonry with bricks of class designation 75 in foundations and plinth in :				
6.18.3	Cement mortar 1:3 (1 Ccement : 3 coarse sand)	185.40	Rupees One Hundred Eighty Five and Paise Forty Only	1	sqm
6.18.4	Cement mortar 1:4 (1 Cement : 4 coarse sand)	174.85	Rupees One Hundred Seventy Four and Paise Eighty Five Only	1	sqm

6.19	Extra for half Brick masonry in superstructure above plinth level upto floor V level	22.00	Rupees Twenty Two and Paise Zero Only	1	sqm
6.20	Extra for half brick masonry in superstructure, above floor V level for every four floors or part thereof	17.90	Rupees Seventeen and Paise Ninety Only	1	sqm
6.20 (A)	Extra for providing and placing in position 2 Nos. 6mm dia. M.S.bars at every third course of half brick masonry (with F.P.S. bricks).	23.65	Rupees Twenty Three and Paise Sixty Five Only	1	sqm
6.22	Providing brick band 10 cm / 7.0 cm thick 5 cm / 5.7 cm projected from wall face, in bricks of class designation 75 laid in cement mortar 1:4(1 cement : 4 coarse sand)	7.40	Rupees Seven and Paise Forty Only	100	metre
6.23	Tile brick masonry with tile bricks of class designation 100 in foundation and plinth in:				
6.23.2	Lime mortar 1:1:1 (1 lime putty : 1 surkhi : 1 fine sand)	2135.60	Rupees Two Thousand One Hundred Thirty Five and Paise Sixty Only	1	cum
6.23.3	Cement lime mortar 1:1:6 (1 cement : 1 lime putty : 6 fine sand)	2222.20	Rupees Two Thousand Two Hundred Twenty Two and Paise Twenty Only	1	cum
6.23.4	Cement lime mortar 1:1:6 (1 cement : 1 lime putty : 6 coarse sand)	2295.40	Rupees Two Thousand Two Hundred Ninety Five and Paise Forty Only	1	cum
6.23.5	Cement mortar 1:4 (1 cement : 4 fine sand)	2223.75	Rupees Two Thousand Two Hundred Twenty Three and Paise Seventy Five Only	1	cum
6.23.6	Cement mortar 1:6 (1 cement : 6 fine sand)	2073.50	Rupees Two Thousand Seventy Three and Paise Fifty Only	1	cum
6.23.7	Cement mortar 1:4 (1 cement : 4 coarse sand)	2296.95	Rupees Two Thousand Two Hundred Ninety Six and Paise Ninety Five Only	1	cum
6.23.8	Cement mortar 1:6 (1 cement : 6 coarse sand)	2146.75	Rupees Two Thousand One Hundred Forty Six and Paise Seventy Five Only	1	cum
6.23A	Tile brick masonry with machine moulded tile bricks of class designation 125 conforming to IS : 2690 (Part I) - 1992 in foundation and plinth in cement mortar 1:6 (1 Cement : 6 coarse sand)	2700.05	Rupees Two Thousand Seven Hundred and Paise Five Only	1	cum

6.24	Extra for tile bricks masonry with tile bricks of class designation 100 in superstructure from plinth level upto floor five level.	220.90	Rupees Two Hundred Twenty and Paise Ninety Only	1	cum
6.25	Extra for tile brick masonry with tile bricks of class designation 100 in superstructure above floor five level for every four floors or part thereof.	155.00	Rupees One Hundred Fifty Five and Paise Zero Only	1	cum
6.26	Deduct for using tile bricks of class designation 75 instead of tile bricks of class designation 100 in tile brick masonry.	43.15	Rupees Forty Three and Paise Fifteen Only	1	cum
6.27	Extra for tile brick masonry with tile bricks of class designation 100 in square or rectangular pillars.	142.80	Rupees One Hundred Forty Two and Paise Eighty Only	1	cum
6.28	Extra for tile brick masonry curved on plan upto a mean radius not exceeding 6 metres.	223.05	Rupees Two Hundred Twenty Three and Paise Five Only	1	cum
6.29	Tile brick masonry with tile bricks of class designation 100 in plain arch work in superstructure in cement mortar 1:4 (1 Cement : 4 coarse sand) including centring and shuttering complete.	3274.95	Rupees Three Thousand Two Hundred Seventy Four and Paise Ninety Five Only	1	cum
6.30	Tile brick masonry with tile bricks of class designation 100 in gauged arch work in superstructure in cement mortar 1:4 (1 Cement : 4 coarse sand) including centring and shuttering complete	3705.85	Rupees Three Thousand Seven Hundred Five and Paise Eighty Five Only	1	cum
6.31	Tile brick masonry work 5cm thick with tile bricks of class designation 100 in cement mortar 1:3 (1 cement : 3 coarse sand) in superstructure.	140.35	Rupees One Hundred Forty and Paise Thirty Five Only	1	sqm
6.32	Honey-comb brick work 10/11.4 cm thick with bricks of class designation 75 in cement mortar 1:4 (1 Cement : 4 coarse sand)	130.90	Rupees One Hundred Thirty and Paise Ninety Only	1	sqm
6.36	Providing 10cm/7.0cm thick and 5cm/5.7cm projected string course with bricks of class designation 75 in cement mortar 1:4 (1 Cement : 4 coarse sand)	7.45	Rupees Seven and Paise Forty Five Only	1	metre
6.37	Moulding and cornices with brick masonry in cement mortar 1:4 (1 Cement : 4 coarse sand) (girth to be measured in cm and length in running metre.	0.80	Zero Rupee and Paise Eighty Only	1	per metre per cm. Girth
6.39	Extra for laying brick work in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete	118.25	Rupees One Hundred Eighteen and Paise Twenty Five Only	1	per cum per metre depth
6.40	Extra for laying brick work in or under foul position	46.65	Rupees Forty Six and Paise Sixty Five Only	1	cum

6.41	Brick work with selected F.P.S. bricks of class designation 75 in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete from ground level upto plinth level in cement mortar 1:6 (1 Cement : 6 fine sand)	1366.45	Rupees One Thousand Three Hundred Sixty Six and Paise Forty Five Only	1	cum
6.41A	Brick work with modular bricks of class designation 75 in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete from ground level upto plinth level in cement mortar 1:6 (1 Cement : 6 fine sand)	1310.10	Rupees One Thousand Three Hundred Ten and Paise Ten Only	1	cum
6.42	Brick work with selected F.P.S. bricks of class designation 75 in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete from ground level upto plinth level in cement mortar 1:6 (1 Cement : 6 coarse sand)	1412.20	Rupees One Thousand Four Hundred Twelve and Paise Twenty Only	1	cum
6.42A	Brick work with modular bricks of class designation 75 in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete from ground level upto plinth level in cement mortar 1:6 (1 Cement : 6 coarse sand)	1350.35	Rupees One Thousand Three Hundred Fifty and Paise Thirty Five Only	1	cum
6.43	Brick work with machine moulded modular bricks of class designation 125 in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete from ground level upto plinth level in cement mortar 1:6 (1 Cement : 6 fine sand)	1851.15	Rupees One Thousand Eight Hundred Fifty One and Paise Fifteen Only	1	cum
6.43A	Brick work with machine moulded F.P.S. bricks of class designation 125 in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete from ground level upto plinth level in cement mortar 1:6 (1 cement : 6 fine sand)	1953.25	Rupees One Thousand Nine Hundred Fifty Three and Paise Twenty Five Only	1	cum
6.43B	Brick work with machine moulded perforated F.P.S. bricks of class designation 125 conforming to IS : 2222-1991 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12mm deep complete from ground level upto plinth level in cement mortar 1:6(1cement:6 fine sand)	1953.25	Rupees One Thousand Nine Hundred Fifty Three and Paise Twenty Five Only	1	cum

6.43C	Brick work with machine moulded perforated F.P.S. bricks of class designation 125 conforming to IS : 2222-1991 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12mm deep complete from ground level upto plinth level in cement mortar 1:6(1cement:6 fine sand)	1851.15	Rupees One Thousand Eight Hundred Fifty One and Paise Fifteen Only	1	cum
6.44	Brick work with machine moulded modular bricks of class designation 125 in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete from ground level upto plinth level in cement mortar 1:6 (1 Cement : 6 coarse sand)	1891.40	Rupees One Thousand Eight Hundred Ninety One and Paise Forty Only	1	cum
6.44A	Brick work with machine moduled F.P.S. bricks of class designation 125 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12mm deep complete from ground level upto plinth level in cement mortar 1:6 (1 Cement : 6 coarse sand)	1999.00	Rupees One Thousand Nine Hundred Ninety Nine and Paise Zero Only	1	cum
6.44B	Brick work with machine moduled perforated F.P.S. bricks of class designation 125 conforming IS : 2222-1991 in exposed brick work including making horizontal and vertical grooves 10mm wide 12 mm deep complete from ground level upto plinth level in cement mortar 1:6 (1 cement :6 coarse sand)	1999.00	Rupees One Thousand Nine Hundred Ninety Nine and Paise Zero Only	1	cum
6.44C	Brick work with machine moulded perforated modular bricks of class designation 125 conforming to IS : 2222 -1991 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12mm deep complete from ground level upto plinth level in cement mortar 1:6(1cement:6 carse sand)	1891.40	Rupees One Thousand Eight Hundred Ninety One and Paise Forty Only	1	cum
6.45	Extra for exposed brick work in superstructure above plinth level and upto floor five level.	262.45	Rupees Two Hundred Sixty Two and Paise Forty Five Only	1	cum
6.46.	Brick work with clay flyash bricks of class designation 75 in superstructure above plinth level upto floor five level in :	0.00	Rupees and Paise Zero Only	0	0
6.46.5	Cement lime mortar 1:2:9 (1 Cement : 2 lime putty : 9 fine sand)	1502.25	Rupees One Thousand Five Hundred Two and Paise Twenty Five Only	1	cum
6.46.6	Cement lime mortar 1:1:6 (1 Cement : 1 lime putty : 6 coarse sand)	1581.00	Rupees One Thousand Five Hundred Eighty One and Paise Zero Only	1	cum

6.46.8	Cement mortar 1:4 (1 Cement : 4 fine sand)	1536.20	Rupees One Thousand Five Hundred Thirty Six and Paise Twenty Only	1	cum
6.46.10	Cement mortar 1:6 (1 Cement : 6 fine sand)	1442.30	Rupees One Thousand Four Hundred Forty Two and Paise Thirty Only	1	cum
6.46.12	Cement mortar 1:4 (1 Cement : 4 coarse sand)	1581.95	Rupees One Thousand Five Hundred Eighty One and Paise Ninety Five Only	1	cum
6.46.14	Cement mortar 1:6 (1 Cement : 6 coarse sand)	1488.10	Rupees One Thousand Four Hundred Eighty Eight and Paise Ten Only	1	cum
6.47	Extra for Exposed brick work/clay flyash brick work in superstructure above floor five level, for each four floors or part thereof.	155.00	Rupees One Hundred Fifty Five and Paise Zero Only	1	cum
6.48	Brick work with fly ash lime bricks (FALG Bricks) conforming to IS:12894-1989, class designation 10 average compressive strength in super structure above plinth level upto floor V level in :				
6.48.1	Cement mortar 1:4 (1 Cement : 4 coarse sand)	1613.15	Rupees One Thousand Six Hundred Thirteen and Paise Fifteen Only	1	cum
6.48.2	Cement mortar 1:4 (1 Cement : 4 fine sand)	1572.90	Rupees One Thousand Five Hundred Seventy Two and Paise Ninety Only	1	cum
6.48.3	Cement mortar 1:6 (1 Cement : 6 Coarse sand)	1530.55	Rupees One Thousand Five Hundred Thirty and Paise Fifty Five Only	1	cum
6.48.4	Cement mortar 1:6 (1 Cement : 6 fine sand)	1490.30	Rupees One Thousand Four Hundred Ninety and Paise Thirty Only	1	cum
6.49	Brick work with calcium silicate bricks machine moulded conforming to IS:4139-1989, class designation 10 average compressive strength in super structure above plinth level upto floor V level in :				

6.49.1	Cement mortar 1:4 (1 Cement : 4 coarse sand)	2219.15	Rupees Two Thousand Two Hundred Nineteen and Paise Fifteen Only	1	cum
6.49.2	Cement mortar 1:4 (1 Cement : 4 fine sand)	2178.90	Rupees Two Thousand One Hundred Seventy Eight and Paise Ninety Only	1	cum
6.49.3	Cement mortar 1:6 (1 Cement : 6 Coarse sand)	2136.55	Rupees Two Thousand One Hundred Thirty Six and Paise Fifty Five Only	1	cum
6.49.4	Cement mortar 1:6 (1 Cement : 6 Coarse sand)	2096.25	Rupees Two Thousand Ninety Six and Paise Twenty Five Only	1	cum
6.50	Brick work with extruded brunt fly ash clay sewer bricks (conforming to IS : 4885-1988) in arches in foundation and plinth in cement mortar				
6.50.1	Cement Mortar 1 : 4 (1 Cement : 4 Coarse sand)	2126.65	Rupees Two Thousand One Hundred Twenty Six and Paise Sixty Five Only	1	cum
6.50.2	Cement Mortar 1 : 5 (1 Cement : 5 Fine sand)	2041.90	Rupees Two Thousand Forty One and Paise Ninety Only	1	cum
6.51	Brick work with extruded brunt fly ash clay sewer bricks (conforming to IS : 4885-1988) in arches in foundation and plinth in cement mortar 1:3 (1 Cement : 3 fine sand)	3192.15	Rupees Three Thousand One Hundred Ninety Two and Paise Fifteen Only	1	cum
	STONE WORK				
7.1	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 Cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) at plinth level with :				
7.1.1	Cement mortar 1:6 (1 Cement : 6 coarse sand)	1259.75	Rupees One Thousand Two Hundred Fifty Nine and Paise Seventy Five Only	1	cum
7.1.2	Cement mortar 1:6 (1 Cement : 6 fine sand)	1199.35	Rupees One Thousand One Hundred Ninety Nine and Paise Thirty Five Only	1	cum

7.1.4	Lime mortar 1:1:1 (1 lime putty : 1 surkhi : 1 fine sand)	1250.55	Rupees One Thousand Two Hundred Fifty and Paise Fifty Five Only	1	cum
7.2	Extra for random rubble masonry with hard stone in superstructure above plinth level and upto floor five level, including leveling up with cement concrete 1:6:12 (1 Cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) at window sills level and the like.	244.45	Rupees Two Hundred Forty Four and Paise Forty Five Only	1	cum
7.3	Extra for random rubble masonry with hard stone in superstructure above plinth level and upto floor five level, for every four floors or part thereof.	206.65	Rupees Two Hundred Six and Paise Sixty Five Only	1	cum
7.4	Extra for random rubble masonry with hard stone in :				
7.4.1	Square or rectangular pillars	98.80	Rupees Ninety Eight and Paise Eighty Only	1	cum
7.4.2	Circular pillars.	322.45	Rupees Three Hundred Twenty Two and Paise Forty Five Only	1	cum
7.5	Extra for random rubble masonry with hard stone curved on plan for a mean radius not exceeding 6 m	126.65	Rupees One Hundred Twenty Six and Paise Sixty Five Only	1	cum
7.6	Coursed rubble masonry (first sort) with hard stone in foundation and plinth with :				
7.6.1	Cement mortar 1:6 (1 Cement : 6 coarse sand)	1421.95	Rupees One Thousand Four Hundred Twenty One and Paise Ninety Five Only	1	cum
7.6.2	Cement mortar 1:6 (1 Cement : 6 fine sand)	1367.05	Rupees One Thousand Three Hundred Sixty Seven and Paise Five Only	1	cum
7.6.4	Lime mortar 1:1:1 (1 lime putty : 1 surkhi : 1 fine sand)	1413.60	Rupees One Thousand Four Hundred Thirteen and Paise Sixty Only	1	cum
7.7	Coursed rubble masonry (second sort) with hard stone in foundation & plinth with : -				
7.7.1	Cement mortar 1:6 (1 Cement : 6 coarse sand)	1335.20	Rupees One Thousand Three Hundred Thirty Five and Paise Twenty Only	1	cum

7.7.2	Cement mortar 1:6 (1 Cement : 6 fine sand)	1280.30	Rupees One Thousand Two Hundred Eighty and Paise Thirty Only	1	cum
7.7.4	Lime mortar 1:1:1 (1 lime putty : 1 surkhi : 1 fine sand)	1326.85	Rupees One Thousand Three Hundred Twenty Six and Paise Eighty Five Only	1	cum
7.8	Extra for coursed rubble masonry with hard stone (first or second sort) in superstructure above plinth level and upto floor five level	240.05	Rupees Two Hundred Forty and Paise Five Only	1	cum
7.9	Extra for coursed rubble masonry with hard stone (first or second sort) in superstructure above floor V level for every four floors or part thereof	206.65	Rupees Two Hundred Six and Paise Sixty Five Only	1	cum
7.10	Extra for coursed rubble masonry with hard stone (first or second sort) in :				
7.10.1	Square or rectangular pillars	109.80	Rupees One Hundred Nine and Paise Eighty Only	1	cum
7.10.2	Circular pillars	364.65	Rupees Three Hundred Sixty Four and Paise Sixty Five Only	1	cum
7.11	Extra for coursed rubble masonry with hard stone (first or second sort) curved on plan for a mean radius not exceeding 6 m.	137.85	Rupees One Hundred Thirty Seven and Paise Eighty Five Only	1	cum
7.12	Stone work in plain ashlar in super structure upto floor five level in cement mortar 1:6 (1 Cement : 6 coarse sand) including pointing with cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade:				
7.12.1	Red sand stone	10118.00	Rupees Ten Thousand One Hundred Eighteen and Paise Zero Only	1	cum
7.12.2	White sand stone	10702.00	Rupees Ten Thousand Seven Hundred Two and Paise Zero Only	1	cum
7.13	Stone work plain ashlar in arches in cement mortar 1:3 (1 Cement : 3 coarse sand) including centring, shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.				
7.13.1	Red sand stone	11493.00	Rupees Eleven Thousand Four Hundred Ninety Three and Paise Zero Only	1	cum

7.13.2	White sand stone	12233.00	Rupees Twelve Thousand Two Hundred Thirty Three and Paise Zero Only	1	cum
7.14	Stone work plain ashlar in domes in cement mortar 1:3 (1 Cement : 3 coarse sand) including centring, shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.				
7.14.1	Red sand stone	16503.00	Rupees Sixteen Thousand Five Hundred Three and Paise Zero Only	1	cum
7.14.2	White sand stone	17243.00	Rupees Seventeen Thousand Two Hundred Forty Three and Paise Zero Only	1	cum
7.15	Stone work ashlar punched (ordinary) in superstructure upto floor five level in cement mortar 1:6 (1 white cement : 6 coarse sand) including pointing with cement mortar 1:2 (1 Cement : 2 stone dust) with an admixture of pigment matching the stone shade.				
7.15.1	Red sand stone	9764.00	Rupees Nine Thousand Seven Hundred Sixty Four and Paise Zero Only	1	cum
7.15.2	White sand stone	10504.00	Rupees Ten Thousand Five Hundred Four and Paise Zero Only	1	cum
7.16	Extra for stone work, plain ashlar or ashlar punched above floor V level for every four floors or part thereof.	207.00	Rupees Two Hundred Seven and Paise Zero Only	1	cum
7.17	Extra for plain ashlar or ashlar punched in :				
7.17.1	Square or rectangular pillars	637.00	Rupees Six Hundred Thirty Seven and Paise Zero Only	1	cum
7.17.2	Circular pillars	1909.00	Rupees One Thousand Nine Hundred Nine and Paise Zero Only	1	cum
7.18	Extra for stone work; plain ashlar or ashlar punched curved on plan with a mean radius not exceeding 6m.	442.00	Rupees Four Hundred Forty Two and Paise Zero Only	1	cum
7.19	Extra for additional cost of centring for arches exceeding 6m span including all strutting, bolting, wedging etc. and removal (area of soffit to be measured).	199.65	Rupees One Hundred Ninety Nine and Paise Sixty Five Only	1	sqm

7.20	Stone work sunk or moulded or sunk and moulded upto floor five level in cement mortar 1:6 (1 Cement : 6 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade :				
7.20.1	Red sand stone	13171.00	Rupees Thirteen Thousand One Hundred Seventy One and Paise Zero Only	1	cum
7.20.2	White sand stone	13911.00	Rupees Thirteen Thousand Nine Hundred Eleven and Paise Zero Only	1	cum
7.21	Extra for stone work sunk or moulded or sunk and moulded or carved in :				
7.21.1	Triangular or Square or rectangular pillars	829.00	Rupees Eight Hundred Twenty Nine and Paise Zero Only	1	cum
7.21.2	Circular or polygonal pillars	2351.00	Rupees Two Thousand Three Hundred Fifty One and Paise Zero Only	1	cum
7.22	Extra for stone work sunk or moulded in cornices	6.15	Rupees Six and Paise Fifteen Only	1	per metre per cm girth
7.23	Stone work for wall lining etc. (veneer work) over 12mm thick bed of cement lime mortar 1:1:6 (1 Cement : 1 lime putty : 6 fine sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the s				
7.23.1	Red sand stone				
7.23.1.1	70 mm thick	868.75	Rupees Eight Hundred Sixty Eight and Paise Seventy Five Only	1	sqm
7.23.1.2	60 mm thick	815.70	Rupees Eight Hundred Fifteen and Paise Seventy Only	1	sqm
7.23.1.3	50 mm thick	762.85	Rupees Seven Hundred Sixty Two and Paise Eighty Five Only	1	sqm
7.23.1.4	40 mm thick	709.70	Rupees Seven Hundred Nine and Paise Seventy Only	1	sqm
7.23.2	White sand stone				

7.23.2.1	70 mm thick	920.55	Rupees Nine Hundred Twenty and Paise Fifty Five Only	1	sqm
7.23.2.2	60 mm thick	860.15	Rupees Eight Hundred Sixty and Paise Fifteen Only	1	sqm
7.23.2.3	50 mm thick	799.90	Rupees Seven Hundred Ninety Nine and Paise Ninety Only	1	sqm
7.23.2.4	40 mm thick	739.20	Rupees Seven Hundred Thirty Nine and Paise Twenty Only	1	sqm
7.24	Extra for stone work (veneer work) curved on plan with a mean radius not exceeding 6 m.	637.00	Rupees Six Hundred Thirty Seven and Paise Zero Only	1	cum
7.25	Providing and fixing gun metal cramps of required shape for anchoring stone wall lining to the backing or securing adjacent stones in stone wall lining in cement mortar 1:2 (1 Cement : 2 fine sand) including making the necessary chases.				
7.25.1	25x6mm - 30cm long	50.55	Rupees Fifty and Paise Fifty Five Only	1	each
7.25.2	15x6mm - 16.5cm long	30.55	Rupees Thirty and Paise Fifty Five Only	1	each
7.26	Providing and fixing stone dowels 10x5x2.50cm cut to double wedge shape as per design in cement mortar 1:2 (1 Cement : 2 fine sand) including making the necessary chases.	7.70	Rupees Seven and Paise Seventy Only	1	each
7.27	Providing and fixing copper pins 7.5cm long 6mm diameter for securing adjacent stones in stone wall lining in cement mortar 1:2 (1 Cement : 2 fine sand) including making the necessary chases.	17.60	Rupees Seventeen and Paise Sixty Only	1	each
7.28	Providing and fixing sloping chajja of stone 40mm thick and upto 80cm wide beyond the wall as measured along the slope in cement mortar 1:4 (1 cement : 4 coarse sand) with 12mm diameter anchoring steel bar 45 cm long fixed in each stone and supported on a				
7.28.1	Red sand stone :				
7.28.1.1	With F.P.S. Bricks	450.85	Rupees Four Hundred Fifty and Paise Eighty Five Only	1	sqm
7.28.2	White sand stone :			0	
7.28.2.1	With F.P.S. bricks	481.40	Rupees Four Hundred Eighty One and Paise Forty Only	1	sqm

7.29	Providing and fixing horizontal chajja of stone 40mm thick and upto 80 cm projection in cement mortar 1:4 (1 cement : 4 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade				
7.29.1	Red sand stone	288.45	Rupees Two Hundred Eighty Eight and Paise Forty Five Only	1	sqm
7.29.2	White sand stone	315.10	Rupees Three Hundred Fifteen and Paise Ten Only	1	sqm
7.30	30mm red sand stone sun-shade (chisel-dressed) supported on red sand stone brackets, fixed in walls with cement mortar 1:4 (1cement : 4 coarse sand) including finishing complete.	321.70	Rupees Three Hundred Twenty One and Paise Seventy Only	1	sqm
7.31	Providing and fixing red sand stone brackets 55x22.5x45cm sunk and moulded including providing and fixing with 4 Nos. gun metal cramp 25x6mm 30 cm long and dowel bars 7.5 cm long 6 mm dia as per design.	986.65	Rupees Nine Hundred Eighty Six and Paise Sixty Five Only	1	each
7.32	Stone work, plain in copings, cornices, string courses and plinth courses, in Cement mortar 1:6 (1 Cement : 6 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade				
7.32.1	Red sand stone	13018.00	Rupees Thirteen Thousand Eighteen and Paise Zero Only	1	cum
7.32.2	White sand stone	13601.00	Rupees Thirteen Thousand Six Hundred One and Paise Zero Only	1	cum
7.33	30mm thick red sand stone shelves fixed in walls in cement mortar 1:3 (1 Cement : 3 coarse sand) including finishing complete	157.10	Rupees One Hundred Fifty Seven and Paise Ten Only	1	sqm
7.34	30mm thick red sand stone shelves (chisel dressed) supported on 40x40x6mm T or angle iron brackets 0.75m apart fixed on 15x10x10cm blocks of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	325.95	Rupees Three Hundred Twenty Five and Paise Ninety Five Only	1	sqm

7.35	30mm thick red sand stone shelves (chisel dressed) supported on precast reinforced cement concrete brackets 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) fixed 0.75 m apart in walls with cement mortar 1:4 (1 Cement : 4 coarse Sand) with Section of the bracket 5X10 cm at the wall and tapering to 5 X5 cm at the free end with a loop reinforcement of one 10 mm diameter bar per bracket	238.00	Rupees Two Hundred Thirty Eight and Paise Zero Only	1	sqm
7.36	30mm red sand stone shelves (chisel dressed) supported on 5x10cm sal wood brackets 0.75 m apart fixed in walls with cement mortar 1:4 (1 cement :4 coarse sand)	440.45	Rupees Four Hundred Forty and Paise Forty Five Only	1	sqm
7.37	Providing and fixing in cement mortar 1:6 (1 cement : 6 fine sand) red sand stone slabs 30 mm thick over:				
7.37.1	Drains	131.55	Rupees One Hundred Thirty One and Paise Fifty Five Only	1	sqm
7.37.2	Flue tops	132.35	Rupees One Hundred Thirty Two and Paise Thirty Five Only	1	sqm
7.38	Providing and fixing stone jali 40mm thick throughout (without sunking or moulding in jali slab) in cement mortar 1:3 (1 Cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment, matching the stone shade, jali slab without any chamfers etc.	132.35	Rupees One Hundred Thirty Two and Paise Thirty Five Only		
7.38.1	Red sand stone	2608.45	Rupees Two Thousand Six Hundred Eight and Paise Forty Five Only	1	sqm
7.38.2	White sand stone	2632.90	Rupees Two Thousand Six Hundred Thirty Two and Paise Ninety Only	1	sqm
7.39	Extra for laying stone work in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete.	118.25	Rupees One Hundred Eighteen and Paise Twenty Five Only	1	cum per metre depth
7.40	Extra for laying stone work in or under foul position.	46.65	Rupees Forty Six and Paise Sixty Five Only	1	cum

7.41	Wall lining butch work upto 10m height with Dholpur stone 40 mm thick rough facing on the exposed surface with stone strips of minimum length 230 mm and required width including embedding every tenth layer and bottom most layer in masonry or concrete afte	551.90	Rupees Five Hundred Fifty One and Paise Ninety Only	1	sqm
7.42	Stone work for wall lining upto 10m height etc. (Veneer work) over 12mm thick bed of cement mortar 1:3 (1 Cement : 3 coarse sand) and jointed with grey cement slurry @ 3.30 kg/sqm. including rubbing and polishing complete. (To be secured to the backing by means of cramps which shall be paid for seperately)				
7.42.1	Kota stone slabs rough chiselled				
7.42.1.1	25 mm thick	521.90	Rupees Five Hundred Twenty One and Paise Ninety Only	1	sqm
7.43	Stone tile work for wall lining upto 10m height with special adhesive like araldite or equivalent over 12mm thick bed of cement mortar 1:3 (1 Cement : 3 coarse sand) including pointing in white cement with an admixture of pigment to match the stone shade				
7.43.1	8mm thick (mirror polished and machine cut edge)				
7.43.1.1	Granite black stone	799.55	Rupees Seven Hundred Ninety Nine and Paise Fifty Five Only	1	sqm
7.43.1.2	Granite brown stone	799.55	Rupees Seven Hundred Ninety Nine and Paise Fifty Five Only	1	sqm
7.43.1.3	Raj Nagar white stone	521.70	Rupees Five Hundred Twenty One and Paise Seventy Only	1	sqm
7.44	Extra for stone work for wall lining on exterior walls of height more than 10m from ground level for every additional height of 3m or part	26.40	Rupees Twenty Six and Paise Forty Only	1	sqm
	MARBLE WORK				
8.1	Marble work (table rubbed and polished) for wall lining (veneer work) in cement mortar 1:3 (1 Cement : 3 Coarse Sand) including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade: (to be secured to the backing by means of cramps, which shall be paid for seperately)				
8.1.1	White Marble - Raj Nagar Plain				
8.1.1.1	18 mm thick				

8.1.1.1.1	0.10 sqm to 0.2 sqm	911.50	Rupees Nine Hundred Eleven and Paise Fifty Only	1	sqm
8.1.1.1.2	over 0.2 sqm but upto 0.5 sqm	952.50	Rupees Nine Hundred Fifty Two and Paise Fifty Only	1	sqm
8.1.1.1.3	Over 0.5 sqm but upto 1.0 sqm	1043.30	Rupees One Thousand Forty Three and Paise Thirty Only	1	sqm
8.2	Providing and fixing 18mm thick mirror polished, machine cut for kitchen platforms, vanity counters facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 Cement : 4 coarse sand) with joints treated with white cement ,mixed with matching pigment, epoxy touch ups, including rubbing ,curing etc. complete at all levels.				
8.2.3	Rajnagar plain white marble				
8.2.3.1	Up to 0.10 sqm	667.00	Rupees Six Hundred Sixty Seven and Paise Zero Only	1	sqm
8.2.3.2	0.10 sqm to 0.2 sqm	702.00	Rupees Seven Hundred Two and Paise Zero Only	1	sqm
8.2.3.3	over 0.2 sqm but upto 0.5 sqm	726.65	Rupees Seven Hundred Twenty Six and Paise Sixty Five Only	1	sqm
8.2.3.4	Over 0.5 sqm but upto 1.0 sqm	808.35	Rupees Eight Hundred Eight and Paise Thirty Five Only	1	sqm
8.2.3.5	Over 1.0 sqm but upto 2.0 sqm	866.65	Rupees Eight Hundred Sixty Six and Paise Sixty Five Only	1	sqm
8.2.4	Udaipur Green marble				
8.2.4.1	Up to 0.10 sqm	667.00	Rupees Six Hundred Sixty Seven and Paise Zero Only	1	sqm
8.2.4.2	0.10 sqm to 0.2 sqm	702.00	Rupees Seven Hundred Two and Paise Zero Only	1	sqm
8.2.4.3	over 0.2 sqm but upto 0.5 sqm	726.65	Rupees Seven Hundred Twenty Six and Paise Sixty Five Only	1	sqm
8.2.4.4	Over 0.5 sqm but upto 1.0 sqm	808.35	Rupees Eight Hundred Eight and Paise Thirty Five Only	1	sqm
8.2.4.5	Over 1.0 sqm but upto 2.0 sqm	866.65	Rupees Eight Hundred Sixty Six and Paise Sixty Five Only	1	sqm
8.2.5	Zebra Black marble				

8.2.5.1	Up to 0.10 sqm	667.00	Rupees Six Hundred Sixty Seven and Paise Zero Only	1	sqm
8.2.5.2	0.10 sqm to 0.2 sqm	702.00	Rupees Seven Hundred Two and Paise Zero Only	1	sqm
8.2.5.3	over 0.2 sqm but upto 0.5 sqm	726.65	Rupees Seven Hundred Twenty Six and Paise Sixty Five Only	1	sqm
8.2.5.4	Over 0.5 sqm but upto 1.0 sqm	785.00	Rupees Seven Hundred Eighty Five and Paise Zero Only	1	sqm
8.2.5.5	Over 1.0 sqm but upto 2.0 sqm	808.35	Rupees Eight Hundred Eight and Paise Thirty Five Only	1	sqm
8.2.6.	Granite Black				
8.2.6.1	Up to 0.10 sqm	1343.70	Rupees One Thousand Three Hundred Forty Three and Paise Seventy Only	1	sqm
8.2.6.2	0.10 sqm to 0.2 sqm	1665.60	Rupees One Thousand Six Hundred Sixty Five and Paise Sixty Only	1	sqm
8.2.6.3	over 0.2 sqm but upto 0.5 sqm	1907.20	Rupees One Thousand Nine Hundred Seven and Paise Twenty Only	1	sqm
8.2.6.4	Over 0.5 sqm but upto 1.0 sqm	2284.05	Rupees Two Thousand Two Hundred Eighty Four and Paise Five Only	1	sqm
8.2.6.5	Over 1.0 sqm but upto 2.0 sqm	2597.80	Rupees Two Thousand Five Hundred Ninety Seven and Paise Eighty Only	1	sqm
8.2.7	Granite Pink				
8.2.7.1	Up to 0.10 sqm	1226.90	Rupees One Thousand Two Hundred Twenty Six and Paise Ninety Only	1	sqm
8.2.7.2	0.10 sqm to 0.2 sqm	1343.65	Rupees One Thousand Three Hundred Forty Three and Paise Sixty Five Only	1	sqm

8.2.7.3	over 0.2 sqm but upto 0.5 sqm	1781.20	Rupees One Thousand Seven Hundred Eighty One and Paise Twenty Only	1	sqm
8.2.7.4	Over 0.5 sqm but upto 1.0 sqm	1781.25	Rupees One Thousand Seven Hundred Eighty One and Paise Twenty Five Only	1	sqm
8.2.7.5	Over 1.0 sqm but upto 2.0 sqm	1904.90	Rupees One Thousand Nine Hundred Four and Paise Ninety Only	1	sqm
8.2.8	Granite Grey				
8.2.8.1	Up to 0.10 sqm	1226.90	Rupees One Thousand Two Hundred Twenty Six and Paise Ninety Only	1	sqm
8.2.8.2	0.10 sqm to 0.2 sqm	1343.65	Rupees One Thousand Three Hundred Forty Three and Paise Sixty Five Only	1	sqm
8.2.8.3	over 0.2 sqm but upto 0.5 sqm	1781.20	Rupees One Thousand Seven Hundred Eighty One and Paise Twenty Only	1	sqm
8.2.8.4	Over 0.5 sqm but upto 1.0 sqm	1781.25	Rupees One Thousand Seven Hundred Eighty One and Paise Twenty Five Only	1	sqm
8.2.8.5	Over 1.0 sqm but upto 2.0 sqm	1904.90	Rupees One Thousand Nine Hundred Four and Paise Ninety Only	1	sqm
8.3	Extra for providing edge moulding to 18mm thick marble stone counters,Vanities etc. over Item No. 8.2 including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge				
8.3.1	Marble work	52.85	Rupees Fifty Two and Paise Eighty Five Only	1	metre
8.3.2	Granite work	88.90	Rupees Eighty Eight and Paise Ninety Only	1	metre

8.4	Extra for fixing marble / granite stone over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based (Araldite or equivalent) adhesive including cleaning etc. complete.	73.60	Rupees Seventy Three and Paise Sixty Only	1	metre
8.5	Extra for providing opening of required size & shape for wash basins/kitchen sink in kitchen platform, vanity counters and similar location in marble/stone work including necessary holes for pillar taps etc .including rubbing and polishing of cut edges etc. complete.	18.45	Rupees Eighteen and Paise Forty Five Only	1	each opening
8.6	Mirror polishing on marble work/stone work where ever required to give high gloss finish complete.	58.10	Rupees Fifty Eight and Paise Ten Only	1	sqm
8.7	Providing and fixing cramps of required size & shape in RCC/CC backing with cement mortar 1:2 (1 cement :2 fine sand) including drilling necessary hole in stones and embedding the cramp in the hole (fastener to be paid separately).				
8.7.1	Gunmetal cramps	139.70	Rupees One Hundred Thirty Nine and Paise Seventy Only	1	kg.
8.7.2	Stainless steel cramps	247.20	Rupees Two Hundred Forty Seven and Paise Twenty Only	1	kg.
8.8	Providing and fixing expansion hold fasteners on CC / R.C.C. surface backing including drilling necessary holes and the cost of bolt etc complete.				
8.8.1	Wedge expansion type				
8.8.1.1	Fastner with threaded dia 1/4" or 6 mm	12.20	Rupees Twelve and Paise Twenty Only	1	each
8.8.1.2	Fastner with threaded dia 3/8" or 10 mm	15.70	Rupees Fifteen and Paise Seventy Only	1	each
8.8.1.3	Fastner with threaded dia 1/2" or 12 mm	29.15	Rupees Twenty Nine and Paise Fifteen Only	1	each
8.11	Providing and fixing gun metal cramps 25x6mm, 30cm long as per design in cement mortar 1:2 (1 Cement : 2 fine sand) including making necessary chases.	50.55	Rupees Fifty and Paise Fifty Five Only	1	each
8.12.	Providing and fixing gun metal cramps 15x6mm, 16.5cm long as per design in cement mortar 1:2 (1 Cement : 2 fine sand) including making necessary chases.	30.55	Rupees Thirty and Paise Fifty Five Only	1	each

8.13	Providing and fixing copper pins 7.5 cm long of 6 mm diameter in cement mortar 1:2 (1 Cement : 2 fine sand) including making necessary chases.	17.60	Rupees Seventeen and Paise Sixty Only	1	each
8.14	Providing and fixing stone dowel 10x5x2.5 cm cut to double wedge shape as per design, in cement mortar 1:2 (1 Cement : 2 fine sand) including making necessary chases.	7.70	Rupees Seven and Paise Seventy Only	1	each
8.15	Stone tile (polished) work for wall lining over 12mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and cement slurry @ 3.3 kg/sqm including pointing in white cement complete.				
8.15.1	Doongri Adanga marble				
8.15.1.1	18mm thick	595.55	Rupees Five Hundred Ninety Five and Paise Fifty Five Only	1	sqm
	WOOD WORK				
9.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position :				
9.1.3	Second class teak wood	40445.80	Rupees Forty Thousand Four Hundred Forty Five and Paise Eighty Only	cum	cum
9.1.5	Second class deodar wood	35755.00	Rupees Thirty Five Thousand Seven Hundred Fifty Five and Paise Zero Only	cum	cum
9.1.8	Sal wood	24614.20	Rupees Twenty Four Thousand Six Hundred Fourteen and Paise Twenty Only	cum	cum
9.1.9	Kiln seasoned and chemically treated hollock wood.	23559.20	Rupees Twenty Three Thousand Five Hundred Fifty Nine and Paise Twenty Only	cum	cum
9.1A	Providing laminated veneer lumber conforming to TADS 15:1995, manufactured in factories by approved manufacturers, in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position as per directions of Engineer-in-charge.	57928.10	Rupees Fifty Seven Thousand Nine Hundred Twenty Eight and Paise Ten Only	1	cum
9.2	Providing wood work in frames of false ceiling, partitions etc. sawn and put up in position :				

9.2.2	Second class deodar wood	34403.20	Rupees Thirty Four Thousand Four Hundred Three and Paise Twenty Only	1	cum
9.2.3	Sal wood	23314.30	Rupees Twenty Three Thousand Three Hundred Fourteen and Paise Thirty Only	1	cum
9.2.7	Kiln seasoned and chemically treated hollock wood.	22170.40	Rupees Twenty Two Thousand One Hundred Seventy and Paise Forty Only	1	cum
9.3	Extra for additional labour for circular works, such as in frames of fan light				
9.3.3	Second class teak wood	4044.70	Rupees Four Thousand Forty Four and Paise Seventy Only	1	cum
9.3.5	Second class deodar wood	3575.55	Rupees Three Thousand Five Hundred Seventy Five and Paise Fifty Five Only	1	cum
9.3.8	Sal wood	2461.65	Rupees Two Thousand Four Hundred Sixty One and Paise Sixty Five Only	1	cum
9.3.9	Kiln seasoned and chemically treated hollock wood.	2355.85	Rupees Two Thousand Three Hundred Fifty Five and Paise Eighty Five Only	1	cum
9.4	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked black enamelled M.S butt hinges with necessary screws excluding, panelling which will be paid for separately.				
9.4.3	Second class teak wood				
9.4.3.1	35 mm thick shutters	1047.65	Rupees One Thousand Forty Seven and Paise Sixty Five Only	1	sqm
9.4.3.2	30 mm thick shutter	928.65	Rupees Nine Hundred Twenty Eight and Paise Sixty Five Only	1	sqm
9.4.5	Second class deodar wood				
9.4.5.1	35 mm thick shutters	968.95	Rupees Nine Hundred Sixty Eight and Paise Ninety Five Only	1	sqm

9.4.5.2	30 mm thick shutter	860.75	Rupees Eight Hundred Sixty and Paise Seventy Five Only	1	sqm
9.4.8	Kiln seasoned and chemically treated hollock wood.				
9.4.8.1	35 mm thick shutters	695.20	Rupees Six Hundred Ninety Five and Paise Twenty Only	1	sqm
9.4.8.2	30 mm thick shutter	625.00	Rupees Six Hundred Twenty Five and Paise Zero Only	1	sqm
9.4A	Providing and fixing laminated veneer lumber door shutter conforming to TADS 15:1995, manufactured in factories by approved manufacturers, including ISI marked black ena-melled M.S. butt hinges with necessary screws as per directions of Engineer-in-charge and panelling with panels of :				
9.4A.1	12mm thick plain grade - 1, medium density flat pressed three layer particle board FPT - I (like Novapan, Ecoboard.,) or graded wood particle board FPT - I (like Bhutan Board) IS : 3087 marked bonded with BWP type synthetic resin adhesive as per IS : 848				
9.4A.1.1	35 mm thick shutters	1463.60	Rupees One Thousand Four Hundred Sixty Three and Paise Sixty Only	1	sqm
9.4A.2	12 mm thick prelaminated (with particle board decorative lamination on both sides) grade - 1, medium density flat pressed, three layer particle board FPT - I (like Novapan, Ecoboard etc.,) or graded wood particle board FPT - I (like Bhutan Board) IS : 3087 marked bonded with BWP type synthetic resin adhesive as per IS :848 and prelamination conforming to IS :12823 Grade1, Type 2.				
9.4A.2.1	35 mm thick shutters	1682.45	Rupees One Thousand Six Hundred Eighty Two and Paise Forty Five Only	1	sqm
9.4A.3	12 mm thick one side prelaminated (with particle board decorative lamination on other sides) and balancing lamination grade - 1 medium density flat pressed, three layer particle board FPT - I (like Novapan, Ecoboard etc.,) or graded wood particle board FPT-1 (like Bhutan Board) IS : 3087 marked bonded with BWP type synthetic resin adhesive as per IS : 848 and prelamination conforming to IS : 12823 Grade -1, Type II.				

9.4A.3.1	35 mm thick shutters	1625.80	Rupees One Thousand Six Hundred Twenty Five and Paise Eighty Only	1	sqm
9.5	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick				
9.5.3	Second class teak wood	834.35	Rupees Eight Hundred Thirty Four and Paise Thirty Five Only	1	sqm
9.5.5	Second class deodar wood	770.20	Rupees Seven Hundred Seventy and Paise Twenty Only	1	sqm
9.5.7A	Kiln seasoned and chemically treated hollock wood	562.40	Rupees Five Hundred Sixty Two and Paise Forty Only	1	sqm
9.5.9	Ply wood 5 ply				
9.5.9.3	9 mm thick				
9.5.9.3.1	Teak ply on bothm faces	686.65	Rupees Six Hundred Eighty Six and Paise Sixty Five Only	1	sqm
9.5.9.3.2	Commercial ply on one face & teak ply on other face	660.10	Rupees Six Hundred Sixty and Paise Ten Only	1	sqm
9.5.10	Ply wood 7 ply				
9.5.10.1	9 mm thick				
9.5.10.1.2	Commercial ply on one face & teak ply on other face	713.15	Rupees Seven Hundred Thirteen and Paise Fifteen Only	1	sqm
9.5.13	Particle Board 12 mm thick				
9.5.13.1	Plain particle board flat pressed, 3 layer (like Novapan, Ecoboard etc.,) or graded wood particle board (like Bhutan Board) medium density Grade I, IS : 3087 marked	397.45	Rupees Three Hundred Ninety Seven and Paise Forty Five Only	1	sqm
9.5.13.2	Veneered particle board with commercial veneering on both sides conforming to IS:3097	595.10	Rupees Five Hundred Ninety Five and Paise Ten Only	1	sqm
9.5.13.3	Prelaminated particle board with decorative lamination on one side and balancing lamination on other side, Grade I, Type II IS:12823 marked	790.10	Rupees Seven Hundred Ninety and Paise Ten Only	1	sqm
9.5.13.4	Prelaminated particle board with decorative lamination on both sides, Grade I, Type II IS:12823 marked .	896.20	Rupees Eight Hundred Ninety Six and Paise Twenty Only	1	sqm

9.5A	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick.Coir veneer board (conforming to IS : 14842-2000)				
9.5A.1	8 mm thick	579.85	Rupees Five Hundred Seventy Nine and Paise Eighty Five Only	1	sqm
9.5A.2	12 mm thick	733.50	Rupees Seven Hundred Thirty Three and Paise Fifty Only	1	sqm
9.6	Providing and fixing glazed shutters for doors, windows and clerestory windows using 10 kg/sqm. (4 mm thick) glass panes including black enamelled ISI marked M.S butt hinges with necessary screws.				
9.6.3	Second class teak wood				
9.6.3.1	35mm thick shutters			1	1318.1
9.6.3.2	30mm thick shutters			1	1182.15
9.6.5	Second class deodar wood				
9.6.5.1	35mm thick shutters			1	1228.65
9.6.5.2	30mm thick shutters			1	1105
9.6.8	Kiln seasoned and chemically treated hollack wood				
9.6.8.1	35mm thick shutters			1	916.9
9.6.8.2	30mm thick shutters			1	837
9.6A	Providing and fixing glazed laminated veneer lumber shutter conforming to TADS 15:1995, manufactured in factories by approved manufacturers, using 10 kg/ sqm glass panes for doors, windows and clerestory windows including ISI marked black ena-melled M.S				
9.6A.3	30 mm thick shutters	1281.40	Rupees One Thousand Two Hundred Eighty One and Paise Forty Only	1	sqm
9.7	Extra for providing heavy sheet glass panes instead of ordinary glass in glazed doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured)				

9.7.2	13.75 kg/sqm (5.5 mm thick) instead of 10 kg per sqm (4 mm thick)	101.10	Rupees One Hundred One and Paise Ten Only	1	sqm
9.7A.	Extra for providing frosted glass panes 10 kg/sqm (4 mm thick) instead of ordinary glass panes 10 kg/sqm (4 mm thick) in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured)	1.10	Rupees One and Paise Ten Only	1	sqm
9.7B.	Deduct for providing pin headed glass panes instead of ordinary glass panes weighing 10 kg / sqm (4 mm thick) in doors, windows and clerestory windows, shutters (Area of opening for glass panes excluding portion inside rebate shall be measured).	76.65	Rupees Seventy Six and Paise Sixty Five Only	1	sqm
9.8	Extra for providing ISI marked Stainless Steel butt hinges instead of black enamelled M.S. butt hinges with necessary screws. (Shutter area to be measured).	79.10	Rupees Seventy Nine and Paise Ten Only	1	sqm
9.9	Deduct if fixed shutters (without hinges) are provided instead of openable shutters for doors, windows or clerestory windows with :				
9.9.1	Stainless Steel butt hinges with Stainless Steel screws :				
9.9.1.2	For IInd class teak wood and other inferior class of wood shutters	98.85	Rupees Ninety Eight and Paise Eighty Five Only	1	sqm
9.9.2	Black enamelled M.S. butt hinges with necessary screws.				
9.9.2.2	For IInd class teak wood and other inferior class of wood				
9.9.2	Stainless Steel butt hinges with Stainless Steel screws :	19.75	Rupees Nineteen and Paise Seventy Five Only		
9.1	Providing and fixing 25 mm thick shutters for cup board etc.				
9.10.1	Panelled or panelled & glazed shutters :				
9.10.1.3	Second class teak wood including ISI marked anodised aluminium butt hinges with necessary screws	1052.40	Rupees One Thousand Fifty Two and Paise Forty Only	1	sqm
9.10.2	Glazed shutters :				
9.10.2.3	IInd class teak wood including ISI marked anodised aluminium butt hinges with necessary screws	1050.50	Rupees One Thousand Fifty and Paise Fifty Only	1	sqm
9.15	Providing and fixing flat pressed 3 layer particle board medium density exterior grade (Grade I) (like Novapan, Ecoboard, etc,) or graded wood particle board (like Bhutan Board) IS : 3087 marked to frame, backing or studding with screws etc. complete (Fra				

9.15.2	12 mm thick	270.20	Rupees Two Hundred Seventy and Paise Twenty Only	1	sqm
9.15.3	18 mm thick	332.65	Rupees Three Hundred Thirty Two and Paise Sixty Five Only	1	sqm
9.16	Providing and fixing prelaminated flat pressed 3 layer (medium density) particle board (like Novapan, Ecoboard, etc.,) or graded wood particle board (like Bhutan Board) IS : 3087 marked with one side decorative and other side balancing lamination Grade I				
9.16.2	18 mm thick	717.30	Rupees Seven Hundred Seventeen and Paise Thirty Only	1	sqm
9.16.3	25 mm thick	808.20	Rupees Eight Hundred Eight and Paise Twenty Only	1	sqm
9.16A	Providing brackets fixed in 7.5x7.5x15 cm blocks of cement concrete 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggregate 20 mm nominal size) to support 20 cm wide shelves.				
9.16A.1	T or L iron 30 cm long of section 40x40x6 mm	28.00	Rupees Twenty Eight and Paise Zero Only	1	each
9.16A.2	Aluminium T or L 30 cm long of section 40x40x4 mm	46.70	Rupees Forty Six and Paise Seventy Only	1	each
9.23	Providing and fixing 25 mm thick shutters for cupboards etc. including ISI marked black enamelled M.S. butt hinges with necessary screws :				
9.23.1	Panelled or panelled and glazed shutters				
9.23.1.1	Second class teak wood	1006.05	Rupees One Thousand Six and Paise Five Only	1	sqm
9.23.1.3	Second class deodar wood	944.35	Rupees Nine Hundred Forty Four and Paise Thirty Five Only	1	sqm
9.23.2	Glazed shutters				
9.23.2.1	Second class teak wood	1063.20	Rupees One Thousand Sixty Three and Paise Twenty Only	1	sqm
9.23.2.3	Second class deodar wood	996.85	Rupees Nine Hundred Ninety Six and Paise Eighty Five Only	1	sqm
9.24	Providing and fixing ISI marked flush door shutters decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				

9.24.2	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	1249.20	Rupees One Thousand Two Hundred Forty Nine and Paise Twenty Only	1	sqm
9.24.3	30 mm thick including ISI marked Stainless Steel	1213.65	Rupees One Thousand Two Hundred Thirteen and Paise Sixty Five Only	1	sqm
9.24.4	25 mm thick (for cupboard) including ISI marked nickle plated bright finished M.S. Piano hinges IS : 3818 marked with necessary screws.	1086.05	Rupees One Thousand Eighty Six and Paise Five Only	1	sqm
9.25	Providing and fixing ISI marked flush door shutters non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters :				
9.25.2	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	825.90	Rupees Eight Hundred Twenty Five and Paise Ninety Only	1	sqm
9.25.3	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	790.35	Rupees Seven Hundred Ninety and Paise Thirty Five Only	1	sqm
9.25.4	25mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws.	719.40	Rupees Seven Hundred Nineteen and Paise Forty Only	1	sqm
9.26	Extra for providing and fixing flush doors with teak veneering				
9.26.1	On one side in item no. 9.25	233.30	Rupees Two Hundred Thirty Three and Paise Thirty Only	1	sqm
9.34	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (over all area of door shutter to be measured) Over item no. 9.24 and 9.25.	222.20	Rupees Two Hundred Twenty Two and Paise Twenty Only	1	sqm
9.35	Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (Cost of glass excluded) (overall area of door shutter to be measured) :				
9.35.1	Rectangular or square	83.30	Rupees Eighty Three and Paise Thirty Only	1	sqm
9.35.2	Circular.	111.10	Rupees One Hundred Eleven and Paise Ten Only	1	sqm
9.36	Extra if louvers (not exceeding 0.2 sqm) are provided in flush door shutters (overall area of door shutters to be measured)				

9.36.1	Decorative type door.	200.00	Rupees Two Hundred and Paise Zero Only	1	sqm
9.37	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).	55.55	Rupees Fifty Five and Paise Fifty Five Only	1	sqm
9.47A	Providing and fixing 35mm thick wire gauze shutters using galvanised M.S. wire gauze of average width of aperture 1.4mm with wire of dia. 0.63 mm for doors, windows and clerestory windows including ISI marked bright finished or/and black enamelled M.S. butt hinges with necessary screws :				
9.47A.1	Second class teak wood.	1190.90	Rupees One Thousand One Hundred Ninety and Paise Ninety Only	1	sqm
9.47A.2	Kiln seasoned and chemically treated Hollock wood.	835.65	Rupees Eight Hundred Thirty Five and Paise Sixty Five Only	1	sqm
9.47A.4	Second class deodar wood	1111.60	Rupees One Thousand One Hundred Eleven and Paise Sixty Only	1	sqm
9.47B	Providing and fixing 35mm thick wire gauze shutters using galvanised M.S. wire gauze of average width of aperture 1.4mm with wire of dia. 0.63 mm for doors, windows and clerestory windows including ISI marked Stainless Steel butt hinges with necessary screws :				
9.47B.1	Second class teak wood.	1270.05	Rupees One Thousand Two Hundred Seventy and Paise Five Only	1	sqm
9.47B.2	Kiln seasoned and chemically treated Hollock wood.	914.75	Rupees Nine Hundred Fourteen and Paise Seventy Five Only	1	sqm
9.47B.4	Second class deodar wood	1190.70	Rupees One Thousand One Hundred Ninety and Paise Seventy Only	1	sqm
9.48	Providing and fixing 30mm thick wire gauge shutters using galvanised M.S. wire gauge of average width of aperture 1.4mm with wire of dia. 0.63 mm for doors, windows and clerestory windows including ISI marked Stainless Steel butt hinges with necessary screws :				

9.48.2	Second class teak wood.	1102.85	Rupees One Thousand One Hundred Two and Paise Eighty Five Only	1	sqm
9.48.3	Kiln seasoned and chemically treated Hollock wood.	799.10	Rupees Seven Hundred Ninety Nine and Paise Ten Only	1	sqm
9.48.5	Second class deodar wood	1034.95	Rupees One Thousand Thirty Four and Paise Ninety Five Only	1	sqm
9.49	Providing and fixing 30mm thick wire gauze shutters using galvanised M.S. wire gauze of average width of aperture 1.4mm with wire of dia 0.63 mm for doors, windows and clerestory windows including ISI marked bright finished or / and black enamelled M.S. butt hinges with necessary screws :				
9.49.1	Second class teak wood.	1050.10	Rupees One Thousand Fifty and Paise Ten Only	1	sqm
9.49.3	Second class deodar wood.	982.20	Rupees Nine Hundred Eighty Two and Paise Twenty Only	1	sqm
9.49.6	Kiln seasoned and chemically treated Hollock wood.	746.40	Rupees Seven Hundred Forty Six and Paise Forty Only	1	sqm
9.49A	Providing and fixing wire gauze laminated veneer lumber shut-ters conforming to TADS 15:1995, manufactured in factories by approved manufacturers using galvanised wire gauze with average width of aperture 1.4mm in both directions with wire of dia 0.63mm as per IS :1568 for doors, windows and clerestory windows including ISI marked bright finished or/and black enamelled M.S. butt hinges with necessary screws as per direc-tions of Engineer-in-charge:				
9.49A.2	35mm thick shutters	1439.15	Rupees One Thousand Four Hundred Thirty Nine and Paise Fifteen Only	1	sqm
9.49A.3	30mm thick shutters	1259.20	Rupees One Thousand Two Hundred Fifty Nine and Paise Twenty Only	1	sqm
9.51	Providing 50x50x50mm 2nd class teak wood plugs including cutting brick work and fixing in cement mortar 1 : 3 (1 cement : 3 fine sand) and making good the walls etc	7.65	Rupees Seven and Paise Sixty Five Only	1	each

9.51A	Providing and fixing expandable fastners of specified size with necessary plastic sleeves and galvanised M.S. screws including drilling holes in masonry work /CC/R.C.C. and making good etc. complete				
9.51A.3	25 mm long	8.15	Rupees Eight and Paise Fifteen Only	1	each
9.51A.4	32 mm long	9.60	Rupees Nine and Paise Sixty Only	1	each
9.51A.5	40 mm long	10.75	Rupees Ten and Paise Seventy Five Only	1	each
9.51A.6	50 mm long	12.95	Rupees Twelve and Paise Ninety Five Only	1	each
9.52	Providing and fixing 2nd class teak wood plain lining tongued and grooved on and including wooden plugs complete with necessary screws and priming coat on unexposed surface				
9.52.1	40 mm thick.	2014.05	Rupees Two Thousand Fourteen and Paise Five Only	1	sqm
9.52.2	25 mm thick.	1298.30	Rupees One Thousand Two Hundred Ninety Eight and Paise Thirty Only	1	sqm
9.53	Providing and fixing 20mm thick plain lining tongued and grooved on and including wooden plugs complete with necessary screws and priming coat on unexposed surface with :				
9.53.3	Second class teak wood	1028.95	Rupees One Thousand Twenty Eight and Paise Ninety Five Only	1	sqm
9.54	Providing and fixing 12 mm thick plain lining tongued and grooved on and including wooden plugs complete with necessary screws and priming coat on unexposed surface with :				
9.54.3	Second class teak wood.	655.05	Rupees Six Hundred Fifty Five and Paise Five Only	1	sqm

9.54A	Providing and fixing in wall lining flat pressed three layer (medium density) particle board (like Novapan, Ecoboard, etc.,) or graded wood (like Bhutan Board) prelaminated one side decorative lamination on other side balancing lamination Grade I, Type II, IS : 12823 marked including priming coat on unexposed surface, with necessary fixing arrangement and screws etc. complete.				
9.54A.1	12 mm thick	690.30	Rupees Six Hundred Ninety and Paise Thirty Only	1	sqm
9.54A.2	18 mm thick	788.05	Rupees Seven Hundred Eighty Eight and Paise Five Only	1	sqm
9.54A.3	25 mm thick	882.15	Rupees Eight Hundred Eighty Two and Paise Fifteen Only	1	sqm
9.55A	Providing and fixing specified wood frame work consisting of battens 50x25mm fixed with rawl plug and drilling necessary holes for rawl plug etc. including priming coat complete.				
9.55A.1	Hollock wood.	42709.40	Rupees Forty Two Thousand Seven Hundred Nine and Paise Forty Only	1	cum
9.57	Providing and fixing 4 mm thick plywood plain lining with necessary screws, priming coat on unexposed surface etc. complete with :				
9.57.1	Teak ply facings of approved manufacture.	478.40	Rupees Four Hundred Seventy Eight and Paise Forty Only	1	sqm
9.58	Providing and fixing 4mm thick coir veneer board, ISI marked IS : 14842 - 2000, plain lining with necessary screws, priming coat on unexposed surface etc., complete	441.75	Rupees Four Hundred Forty One and Paise Seventy Five Only	1	sqm
9.59	Providing and fixing 40mm thick 2nd class teak wood plain panelling with skirting chair rails, and cornice with necessary screws, priming coat on unexposed surface etc. complete.	2207.60	Rupees Two Thousand Two Hundred Seven and Paise Sixty Only	1	sqm
9.60A	Providing and fixing skirting of prelaminated with (one side decorative and other side balancing lamination) flat pressed, 3 layer (like Novapan, Ecoboard, etc.,) or graded particle board (like Bhutan Board) (medium density) Grade I, Type II, IS :12823 marked, with necessary fixing arrangements and screws including drilling necessary holes for rawl plugs etc. and priming coat on unexposed surface complete.				

9.60A.1	18 mm thick	884.65	Rupees Eight Hundred Eighty Four and Paise Sixty Five Only	1	sqm
9.60A.2	25 mm thick	978.75	Rupees Nine Hundred Seventy Eight and Paise Seventy Five Only	1	sqm
9.61	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete.				
9.61.1	2nd class teak wood				
9.61.1.1	50x12 mm	42.00	Rupees Forty Two and Paise Zero Only	1	metre
9.61.1.2	50x20 mm	58.35	Rupees Fifty Eight and Paise Thirty Five Only	1	metre
9.61.2	Hollock wood				
9.61.2.1	50x12 mm	31.75	Rupees Thirty One and Paise Seventy Five Only	1	metre
9.61.2.2	50x20 mm	41.25	Rupees Forty One and Paise Twenty Five Only	1	metre
9.67	Providing and fixing plain jaffri of 35x10 mm laths placed 35 mm apart (frames to be paid separately) including fixing 50x12 mm beading complete with :				
9.67.1	Second class teak wood.	679.70	Rupees Six Hundred Seventy Nine and Paise Seventy Only	1	sqm
9.73A	Providing and fixing 18 mm thick, 150 mm wide pelmet of flat pressed 3 layer (like Novapan, Ecoboard, etc.) or graded wood particle board (like Bhutan Board) medium density grade I, IS : 3087 marked including top cover of 6 mm commercial ply wood, nickel plated M.S. pipe 20 mm dia (heavy type) curtain rod with nickel plated brackets including fixing with 25x3 mm M.S. flat 10 cm long and rawl plugs 50 mm long (designation 10 no.) etc all complete	155.40	Rupees One Hundred Fifty Five and Paise Forty Only	1	metre
9.73B	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, nickle plated M.S. Pipe 20 mm dia (heavy type) curtain rod with nickle plated brackets including fixing with 25x3 mm M.S. Flat 10 cm long and rawl plug 50 mm long (designation 10 No.) etc., all complete	234.65	Rupees Two Hundred Thirty Four and Paise Sixty Five Only	1	metre

9.74A	Extra for using veneered particle board in item of pelmet 18 mm thick 150 mm wide.				
9.74A.1	Commercial veneering on both sides.	14.20	Rupees Fourteen and Paise Twenty Only	1	metre
9.74A.2	Particle board with teak veneering on both sides.	56.90	Rupees Fifty Six and Paise Ninety Only	1	metre
9.74B	Providing and fixing teak wood lipping of size 25x3 mm in pelmet.	18.95	Rupees Eighteen and Paise Ninety Five Only	1	metre
9.79	Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete :				
9.79.1	12 mm dia.	126.70	Rupees One Hundred Twenty Six and Paise Seventy Only	1	metre
9.79.2	20 mm dia.	148.90	Rupees One Hundred Forty Eight and Paise Ninety Only	1	metre
9.79.3	25 mm dia.	230.00	Rupees Two Hundred Thirty and Paise Zero Only	1	metre
9.79A.	Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated brackets				
9.79A.1	20 mm dia (heavy type)	42.60	Rupees Forty Two and Paise Sixty Only	1	metre
9.79A.2	25 mm dia (heavy type)	48.15	Rupees Forty Eight and Paise Fifteen Only	1	metre
9.82	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete.				
9.82.1	Fixed to steel windows by welding	34.00	Rupees Thirty Four and Paise Zero Only	1	kg.
9.82.2	Fixed to openings / wooden frames with rawl plugs (designation 10 No.) etc., all complete	37.90	Rupees Thirty Seven and Paise Ninety Only	1	kg.
9.83	Providing and fixing expanded metal 20x60mm strands 3.25mm wide and 1.6mm thick for windows etc. including 62x19mm beading of IInd class teak wood	345.55	Rupees Three Hundred Forty Five and Paise Fifty Five Only	1	sqm

9.84	Providing and fixing hard drawn steel wire fabric 75x25 mm mesh of weight not less than 7.75 Kg per sqm to window frames etc. including 62x19 mm beading of second class teak wood.	378.80	Rupees Three Hundred Seventy Eight and Paise Eighty Only	1	sqm
9.85	Providing and fixing fly proof galvanised M.S. wire gauze to windows and clerestory windows using galvanised M.S. wire gage with average width of aperture 1.4 mm in both directions with wire of dia. 0.63 mm.				
9.85.1	With 2nd class teak wood beading 62x19 mm	349.55	Rupees Three Hundred Forty Nine and Paise Fifty Five Only	1	sqm
9.85.2	With 12 mm mild steel U beading.	213.75	Rupees Two Hundred Thirteen and Paise Seventy Five Only	1	sqm
9.86	Deduct for fixing 75x25 mm hard drawn steel wire fabric of weight not less than 7.75 Kg. per sqm in panelled and glazed door and window shutter instead of glass sheet 10 Kg./ sqm (4 mm thick).	65.55	Rupees Sixty Five and Paise Fifty Five Only	1	sqm
9.87	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15cm 1:3:6 mix (1cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	36.75	Rupees Thirty Six and Paise Seventy Five Only	1	each
9.88	Providing beams including hoisting, fixing in position and applying wood preservative for the unexposed surfaces, etc. complete with :				
9.88.1	Sal wood	22679.10	Rupees Twenty Two Thousand Six Hundred Seventy Nine and Paise Ten Only	1	cum
9.88.3	Hollock wood	20978.90	Rupees Twenty Thousand Nine Hundred Seventy Eight and Paise Ninety Only	1	cum
9.93	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete :				
9.93.1	125x65x2.12 mm	12.70	Rupees Twelve and Paise Seventy Only	1	each
9.93.2	100x58x1.90 mm	9.05	Rupees Nine and Paise Five Only	1	each
9.93.3	75x47x1.70 mm	6.50	Rupees Six and Paise Fifty Only	1	each
9.93.4	50x37x1.50 mm	3.70	Rupees Three and Paise Seventy Only	1	each

9.93A	Providing and fixing IS : 1341 marked M.S. heavy weight - Butt Hinges with necessary screws etc., complete :				
9.93A.1	125x90x4.00 mm	31.80	Rupees Thirty One and Paise Eighty Only	1	each
9.93A.2	100x75x3.50 mm	17.95	Rupees Seventeen and Paise Ninety Five Only	1	each
9.93A.3	75x60x3.10 mm	10.00	Rupees Ten and Paise Zero Only	1	each
9.93A.4	50x40x2.50 mm	6.40	Rupees Six and Paise Forty Only	1	each
9.111	Providing and fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc. complete.				
9.111.1	125x65x2.12 mm	14.25	Rupees Fourteen and Paise Twenty Five Only	1	each
9.111.2	100x58x1.90 mm	9.85	Rupees Nine and Paise Eighty Five Only	1	each
9.111.3	75x47x1.70 mm	6.30	Rupees Six and Paise Thirty Only	1	each
9.111.4	50x37x1.50 mm	3.50	Rupees Three and Paise Fifty Only	1	each
9.112	Providing and fixing ISI marked oxidised M.S. pressed Parliamentary hinges with necessary screws etc. complete :				
9.112.1	150x125x27x2.50 mm	28.90	Rupees Twenty Eight and Paise Ninety Only	1	each
9.112.2	125x125x27x2.50 mm	24.15	Rupees Twenty Four and Paise Fifteen Only	1	each
9.112.3	100x125x27x2.50 mm	20.55	Rupees Twenty and Paise Fifty Five Only	1	each
9.112.4	75x100x20x2.24 mm	15.45	Rupees Fifteen and Paise Forty Five Only	1	each
9.113	Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete :				
9.113.1	150 mm	73.15	Rupees Seventy Three and Paise Fifteen Only	1	each
9.113.2	125 mm	67.60	Rupees Sixty Seven and Paise Sixty Only	1	each
9.113.3	100 mm	50.50	Rupees Fifty and Paise Fifty Only	1	each
9.114	Providing and fixing oxidised M.S. double acting spring hinges with necessary screws etc. complete.				

9.114.1	150 mm	76.45	Rupees Seventy Six and Paise Forty Five Only	1	each
9.114.2	125 mm	65.35	Rupees Sixty Five and Paise Thirty Five Only	1	each
9.114.3	100 mm	48.25	Rupees Forty Eight and Paise Twenty Five Only	1	each
9.116	Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickle plating and fixing with necessary screws etc., complete.				
9.116.1	Overall width 35 mm	48.80	Rupees Forty Eight and Paise Eighty Only	1	metre
9.116.2	Overall width 50 mm	55.45	Rupees Fifty Five and Paise Forty Five Only	1	metre
9.116.3	Overall width 65 mm	58.80	Rupees Fifty Eight and Paise Eighty Only	1	metre
9.118	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete :				
9.118.1	300x16 mm	52.40	Rupees Fifty Two and Paise Forty Only	1	each
9.118.2	250x16 mm	48.50	Rupees Forty Eight and Paise Fifty Only	1	each
9.119	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :				
9.119.1	250x10 mm	22.05	Rupees Twenty Two and Paise Five Only	1	each
9.119.2	200x10 mm	19.40	Rupees Nineteen and Paise Forty Only	1	each
9.119.3	150x10 mm	14.65	Rupees Fourteen and Paise Sixty Five Only	1	each
9.119.4	100x10 mm	11.05	Rupees Eleven and Paise Five Only	1	each
9.120	Providing and fixing ISI marked 85x42mm oxidised M.S. pull bolt lock conforming to IS : 7534 with necessary screws bolts, nut and washers etc.complete.				
9.121	Providing and fixing ISI marked oxidised M.S. door latches conforming to IS:5930 with screws etc. complete :				

9.121.1	300x20x6 mm	21.70	Rupees Twenty One and Paise Seventy Only	1	each
9.121.2	250x20x6 mm	21.70	Rupees Twenty One and Paise Seventy Only	1	each
9.122	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete :				
9.122.1	125 mm	5.85	Rupees Five and Paise Eighty Five Only	1	each
9.122.2	100 mm	4.15	Rupees Four and Paise Fifteen Only	1	each
9.122.3	75 mm	3.00	Rupees Three and Paise Zero Only	1	each
9.124	Providing and fixing oxidised M.S. fan light pivot with necessary screws etc. complete.	6.60	Rupees Six and Paise Sixty Only	1	each
9.125	Providing and fixing oxidised M.S. fan light catch with necessary screws etc. complete.	6.05	Rupees Six and Paise Five Only	1	each
9.126	Providing and fixing 300 mm long oxidised M.S. chain with hook for fan light including necessary screws etc. complete	8.45	Rupees Eight and Paise Forty Five Only	1	each.
9.127	Providing and fixing oxidised M.S. hasp and staple (Safety type) conforming to IS : 363 with necessary screws etc. complete :				
9.127.1	150 mm	8.75	Rupees Eight and Paise Seventy Five Only	1	each
9.127.2	115 mm	7.50	Rupees Seven and Paise Fifty Only	1	each
9.127.3	90 mm	6.65	Rupees Six and Paise Sixty Five Only	1	each
9.127A	Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete.				
9.127A.1	300 mm weighing not less than 200 gms	13.05	Rupees Thirteen and Paise Five Only	1	each
9.127A.2	250 mm weighing not less than 150 gms	11.75	Rupees Eleven and Paise Seventy Five Only	1	each
9.127A.3	200 mm weighing not less than 120 gms	10.65	Rupees Ten and Paise Sixty Five Only	1	each
9.127B	Providing and fixing oxidised M.S. Safety chain with necessary fixtures for doors. (Weighing not less than 450 gms.)	35.35	Rupees Thirty Five and Paise Thirty Five Only	1	each

9.127C	Providing and fixing ISI : 12817 marked Stainless Steel Butt Hinges with Stainless Steel screws etc. complete.				
9.127C.1	125x64x1.90 mm	40.85	Rupees Forty and Paise Eighty Five Only	1	each
9.127C.2	100X58X1.90 mm	30.85	Rupees Thirty and Paise Eighty Five Only	1	each
9.127C.3	75x47x1.80 mm	19.45	Rupees Nineteen and Paise Forty Five Only	1	each
9.127C.4	50x37x1.50 mm	11.80	Rupees Eleven and Paise Eighty Only	1	each
9.127D	Providing and fixing ISI : 12817 marked Stainless Steel Butt Hinges (heavy weight) with Stainless Steel screws etc. complete.				
9.127D.1	125x64x2.50 mm	47.55	Rupees Forty Seven and Paise Fifty Five Only	1	each
9.127D.2	100x60x2.50 mm	34.85	Rupees Thirty Four and Paise Eighty Five Only	1	each
9.127D.3	75x50x2.50 mm	23.45	Rupees Twenty Three and Paise Forty Five Only	1	each
9.128	Providing and fixing bright finished brass butt hinges with necessary screws etc. complete :				
9.128.1	125x85x5.5 mm (heavy type)	152.20	Rupees One Hundred Fifty Two and Paise Twenty Only	1	each
9.128.2	125x70x4 mm (ordinary type)	52.30	Rupees Fifty Two and Paise Thirty Only	1	each
9.128.3	100x85x5.5 mm (heavy type)	127.00	Rupees One Hundred Twenty Seven and Paise Zero Only	1	each
9.128.4	100x70x4 mm (ordinary type)	35.70	Rupees Thirty Five and Paise Seventy Only	1	each
9.128.5	75x65x4 mm (heavy type)	47.90	Rupees Forty Seven and Paise Ninety Only	1	each
9.128.6	75x40x2.5 mm (ordinary type)	21.25	Rupees Twenty One and Paise Twenty Five Only	1	each
9.128.7	50x40x2.5 mm (ordinary type)	10.40	Rupees Ten and Paise Forty Only	1	each
9.129	Providing and fixing bright finished brass parliamentary hinges with necessary screws etc. complete :				

9.129.1	150x125x27x5 mm	163.55	Rupees One Hundred Sixty Three and Paise Fifty Five Only	1	each
9.129.2	125x125x27x5 mm	140.20	Rupees One Hundred Forty and Paise Twenty Only	1	each
9.129.3	100x125x27x5 mm	116.85	Rupees One Hundred Sixteen and Paise Eighty Five Only	1	each
9.129.4	75x100x20x3.2 mm	90.55	Rupees Ninety and Paise Fifty Five Only	1	each
9.134	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :				
9.134.1	250x10 mm	120.65	Rupees One Hundred Twenty and Paise Sixty Five Only	1	each
9.134.2	200x10 mm	96.75	Rupees Ninety Six and Paise Seventy Five Only	1	each
9.134.3	150x10 mm	74.50	Rupees Seventy Four and Paise Fifty Only	1	each
9.134.4	100x10 mm	50.75	Rupees Fifty and Paise Seventy Five Only	1	each
9.137	Providing and fixing bright finished brass door latch with necessary screws etc. complete :				
9.137.1	300x16x5 mm	78.00	Rupees Seventy Eight and Paise Zero Only	1	each
9.137.2	250x16x5 mm	72.45	Rupees Seventy Two and Paise Forty Five Only	1	each
9.139	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc. complete (best make of approved quality)	238.20	Rupees Two Hundred Thirty Eight and Paise Twenty Only	1	each
9.140	Providing and fixing bright finished brass 100 mm mortice latch with one dead bolt and a pair of lever handles with necessary screws etc. complete (best make of approved quality)	216.00	Rupees Two Hundred Sixteen and Paise Zero Only	1	each
9.141	Providing and fixing bright finished brass night latch including necessary screws etc. complete (best make of approved quality)	347.10	Rupees Three Hundred Forty Seven and Paise Ten Only	1	each
9.142	Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers including necessary screws etc. complete (best make of approved quality):				

9.142.1	40 mm	60.45	Rupees Sixty and Paise Forty Five Only	1	each
9.142.2	50 mm	66.00	Rupees Sixty Six and Paise Zero Only	1	each
9.142.3	65 mm	80.45	Rupees Eighty and Paise Forty Five Only	1	each
9.142.4	75 mm	89.35	Rupees Eighty Nine and Paise Thirty Five Only	1	each
9.143	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob with necessary screws (best make of approved quality)	18.90	Rupees Eighteen and Paise Ninety Only	1	each
9.146	Providing and fixing bright finished brass handles with screws etc. complete :				
9.146.1	125 mm	83.70	Rupees Eighty Three and Paise Seventy Only	1	each
9.146.2	100 mm	72.50	Rupees Seventy Two and Paise Fifty Only	1	each
9.146.3	75 mm	53.60	Rupees Fifty Three and Paise Sixty Only	1	each
9.149	Providing and fixing bright finished brass hanging type floor door stoper with necessary screws, etc. complete	46.40	Rupees Forty Six and Paise Forty Only	1	each
9.150	Providing and fixing IS : 3564 marked Aluminium die cast body tubular type universal hydraulic door closer, Hardwyn make (Classic Queen) or equivalent with necessary accessories and screws etc. complete.	517.10	Rupees Five Hundred Seventeen and Paise Ten Only	1	each
9.150A	Providing and fixing IS : 3564 marked aluminium extruded section body tubular type universal hydraulic door closer with double speed adjustment with necessary accessories and screws etc. complete.				
9.150A.1	Hardwyn make (Eddy) or equivalent	794.65	Rupees Seven Hundred Ninety Four and Paise Sixty Five Only	1	each
9.150A.2	Hardwyn make (Mytel) or equivalent	683.55	Rupees Six Hundred Eighty Three and Paise Fifty Five Only	1	each
9.150A.3	Hardwyn make (Gazel) or equivalent	739.10	Rupees Seven Hundred Thirty Nine and Paise Ten Only	1	each
9.152	Providing and fixing bright finished brass casement window fastener with necessary screws etc. complete.	28.60	Rupees Twenty Eight and Paise Sixty Only	1	each

9.153	Providing and fixing bright finished brass casement stays (straight peg type) with necessary screws etc. complete :				
9.153.1	300 mm weighing not less than 330 gms	62.40	Rupees Sixty Two and Paise Forty Only	1	each
9.153.2	250 mm weighing not less than 280 gms	54.15	Rupees Fifty Four and Paise Fifteen Only	1	each
9.153.3	200 mm weighing not less than 240 gms	46.40	Rupees Forty Six and Paise Forty Only	1	each
9.155	Providing and fixing bright finished brass fan light catch with necessary screws etc. complete.	14.95	Rupees Fourteen and Paise Ninety Five Only	1	each
9.158	Providing and fixing bright finished brass hasp and staple (safety type) with necessary screws etc. complete:				
9.158.1	150 mm	50.50	Rupees Fifty and Paise Fifty Only	1	each
9.158.2	115 mm	39.40	Rupees Thirty Nine and Paise Forty Only	1	each
9.158.3	90 mm	31.60	Rupees Thirty One and Paise Sixty Only	1	each
9.197	Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc. complete (best make of approved quality).	332.65	Rupees Three Hundred Thirty Two and Paise Sixty Five Only	1	each
9.198	Providing and fixing chromium plated brass night latch including necessary screws etc. complete (Best make of approved quality).	388.20	Rupees Three Hundred Eighty Eight and Paise Twenty Only	1	each
9.199	Providing and fixing special quality chromium plated brass cupboard locks with six levers including necessary screws etc. complete (Best make of approved quality) of :				
9.199.1	Size 40 mm	61.55	Rupees Sixty One and Paise Fifty Five Only	1	each
9.199.2	Size 50 mm	74.90	Rupees Seventy Four and Paise Ninety Only	1	each
9.199.3	Size 65 mm	87.10	Rupees Eighty Seven and Paise Ten Only	1	each
9.199.4	Size 75 mm	97.10	Rupees Ninety Seven and Paise Ten Only	1	each
9.200	Providing and fixing chromium plated brass 50 mm cupboard or wardrobe knobs with nuts complete.	24.45	Rupees Twenty Four and Paise Forty Five Only	1	each

9.203	Providing and fixing chromium plated brass handles with necessary screws etc. complete:				
9.203.1	125 mm	91.50	Rupees Ninety One and Paise Fifty Only	1	each
9.203.2	100 mm	73.60	Rupees Seventy Three and Paise Sixty Only	1	each
9.203.3	75 mm	63.60	Rupees Sixty Three and Paise Sixty Only	1	each
9.207	Providing and fixing chromium plated brass casement window fastener with necessary screws etc. complete.	54.60	Rupees Fifty Four and Paise Sixty Only	1	each
9.208	Providing and fixing chromium plated brass casement stays (straight peg type) with necessary screws etc. complete :				
9.208.1	300 mm weighing not less than 330 gms	73.50	Rupees Seventy Three and Paise Fifty Only	1	each
9.208.2	250 mm weighing not less than 280 gms	67.95	Rupees Sixty Seven and Paise Ninety Five Only	1	each
9.208.3	200 mm weighing not less than 240 gms	55.75	Rupees Fifty Five and Paise Seventy Five Only	1	each
9.215	Providing and fixing ISI marked aluminium butt hinges ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
9.215.1	125x75x4 mm	54.65	Rupees Fifty Four and Paise Sixty Five Only	1	each
9.215.2	125x63x4 mm	52.10	Rupees Fifty Two and Paise Ten Only	1	each
9.215.3	100x75x4 mm	46.70	Rupees Forty Six and Paise Seventy Only	1	each
9.215.4	100x63x4 mm	45.60	Rupees Forty Five and Paise Sixty Only	1	each
9.215.5	100x63x3.2 mm	44.45	Rupees Forty Four and Paise Forty Five Only	1	each
9.215.6	75x63x4 mm	30.65	Rupees Thirty and Paise Sixty Five Only	1	each
9.215.7	75x63x3.2 mm	26.75	Rupees Twenty Six and Paise Seventy Five Only	1	each

9.215.8	75x45x3.2 mm	16.75	Rupees Sixteen and Paise Seventy Five Only	1	each
9.218	Providing and fixing aluminium sliding door bolts ISI marked anodised (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 :				
9.218.1	300x16 mm	90.70	Rupees Ninety and Paise Seventy Only	1	each
9.218.2	250x16 mm	86.25	Rupees Eighty Six and Paise Twenty Five Only	1	each
9.219	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
9.219.1	300x10 mm	45.55	Rupees Forty Five and Paise Fifty Five Only	1	each
9.219.2	250x10 mm	40.45	Rupees Forty and Paise Forty Five Only	1	each
9.219.3	200x10 mm	35.10	Rupees Thirty Five and Paise Ten Only	1	each
9.219.4	150x10 mm	29.25	Rupees Twenty Nine and Paise Twenty Five Only	1	each
9.219.5	100x10 mm	22.25	Rupees Twenty Two and Paise Twenty Five Only	1	each
9.220	Providing and fixing aluminium pull bolt lock anodised ISI marked (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.	34.60	Rupees Thirty Four and Paise Sixty Only	1	each
9.221	Providing and fixing 50cm long aluminium kicking plate 100x3.15 mm anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screws etc. complete.	85.00	Rupees Eighty Five and Paise Zero Only	1	each
9.222	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				

9.222.1	125 mm	33.05	Rupees Thirty Three and Paise Five Only	1	each
9.222.2	100 mm	23.00	Rupees Twenty Three and Paise Zero Only	1	each
9.222.3	75 mm	19.35	Rupees Nineteen and Paise Thirty Five Only	1	each
9.223	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.				
9.223.1	Single rubber stopper	15.50	Rupees Fifteen and Paise Fifty Only	1	each
9.223.2	Twin rubber stopper	46.60	Rupees Forty Six and Paise Sixty Only	1	each
9.224	Providing and fixing aluminium casement stays ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.	37.95	Rupees Thirty Seven and Paise Ninety Five Only	1	each
9.225	Providing and fixing bright finished brass 100 mm mortice latch and lock ISI marked with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles with necessary screws etc. complete (Best make approved quality)	349.95	Rupees Three Hundred Forty Nine and Paise Ninety Five Only	1	each
9.226	Providing and fixing aluminium tee channels (heavy duty) with rollers, stop end in pelmets as curtain rod	25.90	Rupees Twenty Five and Paise Ninety Only	1	metre

9.227	Providing and fixing partition upto 2.40 m height having composite thickness of 67 mm consisting of frame and double skin 8.5 mm thick Glass Reinforced Gypsum (GRG) board manufactured by spray suction technique with high strength plaster of paris conforming to IS : 8272 and glass fibre of E-glass or A- glass or N-glass in the form of rovings, not less than 2.5% by weight of plaster of paris and conforming to IS : 11320 including providing and fixing of frame work made of special section power pressed from MS sheet and galvanised with Zinc coating of Grade 175 and consisting of floor and ceiling channel 50 mm wide having equal flanges of 32 mm width 0.50 mm thick fixed to floor/ceiling at the spacing of 610 mm centre to centre with dash fastner of 12.5 mm dia. meter 40 mm length and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts at both ends of partition fixed flush to wall with rawl plugs at the spacing of 450 mm centre to centre	680.95	Rupees Six Hundred Eighty and Paise Ninety Five Only	1	sqm
9.228	Providing and fixing partition above 2.40 m height having composite thickness of 89 mm consisting of frame and double skin 8.5 mm thick Glass Reinforced Gypsum (GRG) board manufactured by spray suction technique with high strength plaster of paris conforming to IS : 8272 and glass fibre of E-glass or A- glass or N-glass in the form of rovings, not less than 2.5% by weight of plaster of paris and conforming to IS : 11320 including providing and fixing frame work made of special section power pressed from MS sheet and galvanised with Zinc coating of Grade 175 and consisting of floor and ceiling channel 72 mm wide having equal flanges of 32 mm width 0.50 mm thick fixed to floor/ceiling at the spacing of 610 mm centre to centre with dash fastner of 12.5 mm dia. meter 40 mm length and the studs 70 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts and studs at both ends of partition fixed flush to wall with rawl plugs at the spacing of 450 mm centre to centre	672.55	Rupees Six Hundred Seventy Two and Paise Fifty Five Only	1	sqm
9.229	Providing and fixing PTMT handles with necessary screws etc. complete (Prayag or equivalent)				

9.229.1	125x34x24 mm weighing not less than 24 gms.	24.70	Rupees Twenty Four and Paise Seventy Only	1	each.
9.229.2	150x34x24 mm weighing not less than 28 gms.	26.90	Rupees Twenty Six and Paise Ninety Only	1	each
9.230	Providing and fixing PTMT Butt hinges with necessary screws etc., complete (Prayag or equivalent)				
9.230.1	75x60x10 mm fitted with 5.5 mm dia M.S. Bright Bar Rod weighing not less than 36 gms.	37.15	Rupees Thirty Seven and Paise Fifteen Only	1	each
9.230.2	100x75x10 mm fitted with 5.5 mm dia MS Bright Bar Rod weighing not less than 57 gms.	49.05	Rupees Forty Nine and Paise Five Only	1	each
9.231	Providing and fixing PTMT Tower Bolts with 12 mm one piece rod inside and necessary screws etc., complete (Prayag or equivalent)				
9.231.1	152x42x18 mm weighing not less than 60 gms.	48.90	Rupees Forty Eight and Paise Ninety Only	1	each
9.231.2	202x42x18 mm weighing not less than 78 gms.	62.85	Rupees Sixty Two and Paise Eighty Five Only	1	each
9.232	Providing and fixing PTMT door clatcher of length 72 mm and dia.of 42 mm with suitable washers weighing not less than 45 gms (Prayag or equivalent)	23.05	Rupees Twenty Three and Paise Five Only	1	each
	STEEL WORK				
10.1	Structural steel work in single section fixed without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	21.95	Rupees Twenty One and Paise Ninety Five Only	1	kilogram
10.2	Structural steel work in single section fixed with connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete:	21.75	Rupees Twenty One and Paise Seventy Five Only	1	kilogram
10.3	Structural steel work riveted or bolted in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete:	24.65	Rupees Twenty Four and Paise Sixty Five Only	1	kilogram
10.4	Structural steel work welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete:	24.30	Rupees Twenty Four and Paise Thirty Only	1	kilogram

10.5	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5 mm size with top and bottom rail of T-iron 40x40x6mm with 40mm dia, steel pulleys complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	1609.10	Rupees One Thousand Six Hundred Nine and Paise Ten Only	1	sqm
10.6	Providing and fixing 1mm thick M.S. sheet sliding-shutters with frame and diagonal braces of 40x40x6mm angle iron, 3mm M.S. gusset plates at the junction and corners 25mm dia pulley, 40x40x6mm angle and T-iron guide at the top and bottom respectively including applying a priming coat of approved steel primer.	1136.20	Rupees One Thousand One Hundred Thirty Six and Paise Twenty Only	1	sqm
10.7	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.				
10.7.1	Using M.S. angels 40x40x6 mm for diagonal braces	986.55	Rupees Nine Hundred Eighty Six and Paise Fifty Five Only	1	sqm
10.7.2	Using flats 30x6mm for diagonal braces and central cross piece	938.45	Rupees Nine Hundred Thirty Eight and Paise Forty Five Only	1	sqm
10.8	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5cm long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters.				
10.8.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	889.25	Rupees Eight Hundred Eighty Nine and Paise Twenty Five Only	1	sqm
10.8.2	80x1.20 mm M.S. laths with 1.20 mm thick top cover	620.75	Rupees Six Hundred Twenty and Paise Seventy Five Only	1	sqm
10.8.3	80x0.90 mm M.S. laths with 0.90 mm thick top cover	593.00	Rupees Five Hundred Ninety Three and Paise Zero Only	1	sqm

10.9	Providing and fixing ball bearing for rolling shutters.	241.30	Rupees Two Hundred Forty One and Paise Thirty Only	1	each
10.10	Extra for providing mechanical device chain and crank operation for operating rolling shutters				
10.10.1	Exceeding 10.00 sqm and upto 16.80 sqm in the area	257.35	Rupees Two Hundred Fifty Seven and Paise Thirty Five Only	1	sqm
10.10.2	Exceeding 16.80 sqm in area	287.35	Rupees Two Hundred Eighty Seven and Paise Thirty Five Only	1	sqm
10.10A	Extra for providing grilled rolling shutters manufactured out of 8 mm dia. M.S. bar instead of laths as per design approved by Engineer-in-Charge. (area of grill to be measured.)	138.90	Rupees One Hundred Thirty Eight and Paise Ninety Only	1	sqm
10.11	Fixing standard steel glazed doors, windows and ventilators in walls with 15x3mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including fixing of glass panes with glazing clips and special metal-sash putty of approved make, or metal beading with screws (only steel windows with lugs, glass panes cut to size and glazing clips or metal beading with screws, shall be supplied by department free of cost.)	151.25	Rupees One Hundred Fifty One and Paise Twenty Five Only	1	sqm
10.12	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal sash putty of approved make complete including applying a priming coat of approved steel primer ; excluding the cost of metal beading and other fitting except necessary hinges or pivots as required.				
10.12.1	Doors	1202.30	Rupees One Thousand Two Hundred Two and Paise Thirty Only	1	sqm

10.12.2	Windows fixed	776.90	Rupees Seven Hundred Seventy Six and Paise Ninety Only	1	sqm
10.12.3	Windows-side hung	1065.75	Rupees One Thousand Sixty Five and Paise Seventy Five Only	1	sqm
10.12.4	Ventilators-top hung	1070.20	Rupees One Thousand Seventy and Paise Twenty Only	1	sqm
10.12.5	Ventilators-centre hung	1070.20	Rupees One Thousand Seventy and Paise Twenty Only	1	sqm
10.12.6	In composite units of doors, windows and ventilators				
10.12.6.1	For overall portion treated as fixed.	776.90	Rupees Seven Hundred Seventy Six and Paise Ninety Only	1	sqm
10.12.6.2	Extra for side hung portion				
10.12.6.2.1	Doors	416.65	Rupees Four Hundred Sixteen and Paise Sixty Five Only	1	sqm
10.12.6.2.2	Windows	288.85	Rupees Two Hundred Eighty Eight and Paise Eighty Five Only	1	sqm
10.12.6.3	Extra for top hung portion	293.30	Rupees Two Hundred Ninety Three and Paise Thirty Only	1	sqm
10.12.6.4	Extra for centre hung portion	293.30	Rupees Two Hundred Ninety Three and Paise Thirty Only	1	sqm
10.12.6.5	Extra for providing Vertical Coupling Mullion bar or Horizontal coupling Mullion bar (when openable windows are to be coupled above fixed ones or between two fixed windows) or Horizontal Coupling Mullion bar (where windows are not exposed to weather) (K-11B)	43.75	Rupees Forty Three and Paise Seventy Five Only	1	metre
10.12.6.6	Extra for providing Horizontal Coupling Mullion Bar or Weather Bar (Especially used when the coupled unit is exposed to rain)(K-12B)	55.90	Rupees Fifty Five and Paise Ninety Only	1	metre
10.13	Extra for providing and fixing steel beading of approved shape and section with screws instead of glazing clips and metal sash putty in steel doors, windows, ventilators and composite units.	12.10	Rupees Twelve and Paise Ten Only	1	metre

10.14	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as require including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.	27.55	Rupees Twenty Seven and Paise Fifty Five Only	1	kilogram
10.15	Providing and fixing pressed steel door frames manufactured from commercial mild steel sheet of 1.25 mm thickness including hinges jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge :				
10.15.1	Profile A	166.35	Rupees One Hundred Sixty Six and Paise Thirty Five Only	1	metre
10.15.2	Profile B	177.50	Rupees One Hundred Seventy Seven and Paise Fifty Only	1	metre
10.15.3	Profile C	190.80	Rupees One Hundred Ninety and Paise Eighty Only	1	metre
10.15A	Providing and fixing M.S. Tubular frames for doors, windows, and ventilators with L-Type section made of 1.60mm thick M.S. Sheet, joints mitred and welded and grinded finish with 15x3mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of 1 : 3 : 6 (1 Cement : 3 Coarse sand : 6 graded stone aggregate 20mm nominal size) or with woodedn plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts and require including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primers.				
10.15A.1	Profile of size 32x22x28mm (for cupboard frames)	54.65	Rupees Fifty Four and Paise Sixty Five Only	1	kilogram

10.15A.2	Profile of size 39x29x35mm (for window frames)	52.00	Rupees Fifty Two and Paise Zero Only	1	kilogram
10.15A.3	Profile of size 42x32x38mm (for door frames)	51.05	Rupees Fifty One and Paise Five Only	1	kilogram
10.16	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc.complete :				
10.16.1	Hot finished welded type tubes	32.55	Rupees Thirty Two and Paise Fifty Five Only	1	kilogram
10.16.2	Hot finished seamless type tubes	34.90	Rupees Thirty Four and Paise Ninety Only	1	kilogram
10.16.3	Electric resistance or induction butt welded tubes.	47.70	Rupees Forty Seven and Paise Seventy Only	1	kilogram
10.17	Providing and fixing 20x6mm mild steel 15cm long clamps for securing chick tops.	20.05	Rupees Twenty and Paise Five Only	1	each
10.18	Providing and fixing mild-steel rings of 6mm round bar and 40 mm internal dia for fastening ropes of chicks	14.50	Rupees Fourteen and Paise Fifty Only	1	each
10.19	Providing and fixing M.S. fan clamp type I of 16 mm dia M.S. bar bent to shape with hooked ends in R.C.C. slabs during laying including painting the exposed portion of loop, all as per standard design complete.	40.15	Rupees Forty and Paise Fifteen Only	1	each
10.2	Extra over rate of item No. 10.19 for providing and fixing M.S.fan clamp type II as per design in R.C.C. beams during laying towards the additional height of the clamp due to beam rib.	0.60	Zero Rupee and Paise Sixty Only	1	cm height
10.21	Providing and fixing circular cast iron box for ceiling fan clamp 140, mm internal dia., 73 mm height, 5 mm thick rim, bottom and top lid of 1.5mm thick M.S.sheet with its top surface hacked for proper bonding top lid shall be screwed into the cast iron box by means of 3.3mm dia. round headed screws, one lock at the corners. Clamp shall be made of 12mm dia M.S. bar bent to shape as per standard drawing.	50.05	Rupees Fifty and Paise Five Only	1	each

10.21A	Providing and fixing circular/hexagonal M.S. sheet ceiling fan box with clamp of internal dia 140 mm, 73 mm height, 3 mm thick rim, top and bottom lid of 1.5 mm M.S. sheet. Lids shall be screwed into M.S. box by means of 3 mm round headed screws, clamps shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing with over all length as 80 cm.	44.50	Rupees Forty Four and Paise Fifty Only	1	each
10.22	Providing and fixing M.S. round holding down bolts with nuts and washer plates complete.	31.60	Rupees Thirty One and Paise Sixty Only	1	kilogram
10.23	Providing and fixing bolts upto 300 mm in length including nuts and washers complete.	40.15	Rupees Forty and Paise Fifteen Only	1	kilogram
10.24	Providing and fixing bolts above 300 mm in length including nuts and washers complete.	40.15	Rupees Forty and Paise Fifteen Only	1	kilogram
10.25	Providing and fixing M.S. rivets of sizes in position.	47.00	Rupees Forty Seven and Paise Zero Only	1	kilogram
10.26	Welding by gas plant including transportation of gas welding plant at site etc. complete.	1.10	Rupees One and Paise Ten Only	1	cm length
10.27	Welding by electric plant including transportation of electric welding plant at site etc. complete.	0.95	Zero Rupee and Paise Ninety Five Only	1	cm length
10.28	Providing and fixing bright finished brass casement window fasteners of minimum weight 200 grams to side hung steel windows with necessary welding and machine screws etc. complete.	33.60	Rupees Thirty Three and Paise Sixty Only	1	each
10.29	Providing and fixing bright finished brass peg stays 300 mm long of minimum weight 330 grams. to side hung steel windows with necessary welding and machine screws etc. complete.	66.95	Rupees Sixty Six and Paise Ninety Five Only	1	each
10.30	Providing and fixing bright finished brass peg stays to steel ventilators with necessary welding and machine screws etc. complete.				
10.30.1	300 mm long of minimum weight of 330 grams.	66.95	Rupees Sixty Six and Paise Ninety Five Only	1	each
10.30.2	250 mm long of minimum weight of 280 grams.	59.15	Rupees Fifty Nine and Paise Fifteen Only	1	each
10.30.3	200 mm long of minimum weight of 240 grams.	51.40	Rupees Fifty One and Paise Forty Only	1	each

10.31	Providing and fixing 14 mm bright finished brass spring catch to steel centre hung ventilators with necessary welding and machine screws etc. complete.	19.15	Rupees Nineteen and Paise Fifteen Only	1	each
10.32	Steel work welded in built up sections/framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc.as required.				
10.32.1	In stringers, treads, landings etc. of stair cases including use of chequered plate wherever required ; all complete	25.85	Rupees Twenty Five and Paise Eighty Five Only	1	kilogram
10.32.2	In gratings, frames, guard bar, ladders, railings, brackets, gates & similar works.	29.15	Rupees Twenty Nine and Paise Fifteen Only	1	kilogram
10.33	Providing and fixing hand rail by welding etc. to steel ladder railing, balcony railing & staircase railing including applying a priming coat of approved steel primer				
10.33.1	M.S. tube (medium) 40 mm nominal bore	32.10	Rupees Thirty Two and Paise Ten Only	1	kilogram
10.33.2	E.R.W. tubes 40 mm nominal dia	49.40	Rupees Forty Nine and Paise Forty Only	1	kilogram
10.33.3	G.I. pipes 40 mm nominal bore (class B)	37.30	Rupees Thirty Seven and Paise Thirty Only	1	kilogram
	FLOORING				
11.1	Brick on edge flooring with bricks of class designation 75 including cement slurry etc. complete in cement mortar with F.P.S. bricks:				
11.1.1	1:4 (1 cement : 4 coarse sand)	205.40	Rupees Two Hundred Five and Paise Forty Only	1	sqm
11.1.2	1:4 (1cement: 6 coarse sand)	189.10	Rupees One Hundred Eighty Nine and Paise Ten Only	1	sqm
11.2	Dry brick on edge flooring with bricks of class designation 75 on a bed of 12 mm mud mortar including filling joints with Jamuna sand (with F.P.S. bricks)	141.70	Rupees One Hundred Forty One and Paise Seventy Only	1	sqm
11.3	Extra for brick flooring laid diagonal herring bone bond or other pattern as specified.	7.55	Rupees Seven and Paise Fifty Five Only	1	sqm
11.4	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete.				

11.4.1	25mm thick with 12.5mm nominal size stone aggregate	86.05	Rupees Eighty Six and Paise Five Only	1	sqm
11.4.2	40mm thick with 20mm nominal size stone aggregate	113.70	Rupees One Hundred Thirteen and Paise Seventy Only	1	sqm
11.4.3	50mm thick with 20mm nominal size stone aggregate	133.60	Rupees One Hundred Thirty Three and Paise Sixty Only	1	sqm
11.5	40mm thick red oxide flooring under layer of 30mm thick cement concrete 1:2:4(1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) and top layer of 10mm thick plaster of cement red oxide mix (using 3.5 kg of red oxide of iron per 50 kg of cement) 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement red oxide mix of same proportion including cement slurry, but excluding the cost of nosing of steps etc. complete.	258.40	Rupees Two Hundred Fifty Eight and Paise Forty Only	1	sqm
11.6	Add or deduct for using more or less than 3.5 kg of red oxide of iron per 50 kg of cement in 40mm thick red oxide flooring.	9.15	Rupees Nine and Paise Fifteen Only	1	sqm/50kg
11.8	52 mm thick cement concrete flooring with "Hardcrete" concrete hardener topping under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick Hardcrete cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 stone aggregate 6 mm nominal size) by volume with which Hardcrete hardening compound of Snowcem India Ltd. or equivalent is mixed @ 2 litre Hardcrete per 50kg of cement including cement slurry, but excluding the cost of nosing of steps etc. complete	172.40	Rupees One Hundred Seventy Two and Paise Forty Only	1	sqm
11.9	62 mm thick cement concrete flooring with "Hardcrete" concrete hardener topping under layer 50 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick Hardcrete cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 stone aggregate 6mm nominal size) by volume with which Hardcrete hardening compound of Snowcem India Ltd. or equivalent is mixed @ 2 litre Hardcrete per 50kg of cement including cement slurry, but excluding the cost of nosing of steps etc. complete.	190.50	Rupees One Hundred Ninety and Paise Fifty Only		

11.10	Cement plaster skirting (upto 30 cm height) with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement.				
11.10.1	18 mm thick	104.00	Rupees One Hundred Four and Paise Zero Only	1	sqm
11.10.2	21 mm thick	110.20	Rupees One Hundred Ten and Paise Twenty Only	1	sqm
11.11	Red oxide plaster skirting (upto 30 cm height) with top layer of 6 mm thick plaster of cement mortar red oxide mix, using 3.5 kg of red oxide of iron per 50 kg of cement in mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of cement red oxide mix of same proportion.				
11.11.1	18 mm thick with under layer 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand)-	126.20	Rupees One Hundred Twenty Six and Paise Twenty Only	1	sqm
11.11.2	21 mm thick with under layer 15 mm thick cement plaster 1:3 (1 cement : 3 coarse sand)	131.95	Rupees One Hundred Thirty One and Paise Ninety Five Only	1	sqm
11.12	Add or deduct for using more or less than 3.5 kg of red oxide of iron per 50 kg of cement in 18mm or 21mm thick red oxide plaster skirting.	6.35	Rupees Six and Paise Thirty Five Only	1	sqm/50kg
11.13	Cement concrete pavement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including finishing complete	2129.65	Rupees Two Thousand One Hundred Twenty Nine and Paise Sixty Five Only	1	cum
11.14	Extra for making chequers of approved pattern on cement concrete floors, steps, landing, pavements etc.	9.10	Rupees Nine and Paise Ten Only	1	sqm
11.15	40mm thick marble chips flooring rubbed and polished to granolithic finish, under layer 34mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 6mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 1mm to 4mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume including cement slurry etc. complete :				
11.15.1	Dark shade pigment with ordinary cement	185.20	Rupees One Hundred Eighty Five and Paise Twenty Only	1	sqm

11.15.2	Light shade pigment with white cement	215.80	Rupees Two Hundred Fifteen and Paise Eighty Only	1	sqm
11.15.3	Medium shade pigment with 50% white cement and 50% ordinary cement	200.55	Rupees Two Hundred and Paise Fifty Five Only	1	sqm
11.15.4	White cement without any pigment	200.70	Rupees Two Hundred and Paise Seventy Only	1	sqm
11.15.5	Light shade pigment with ordinary cement	191.50	Rupees One Hundred Ninety One and Paise Fifty Only	1	sqm
11.15.6	Ordinary cement without any pigment	175.20	Rupees One Hundred Seventy Five and Paise Twenty Only	1	sqm
11.16	40mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 31mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4graded stone aggregate 12.5mm nominal size) and top layer 9mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 4mm to 7mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder : 7 marble chips) by volume including cement slurry etc. complete.				
11.16.1	Dark shade pigment with ordinary cement.	194.50	Rupees One Hundred Ninety Four and Paise Fifty Only	1	sqm
11.16.2	Light shade pigment with white cement.	238.20	Rupees Two Hundred Thirty Eight and Paise Twenty Only	1	sqm
11.16.3	Medium shade pigment with 50% white cement and 50% ordinary cement	216.35	Rupees Two Hundred Sixteen and Paise Thirty Five Only	1	sqm
11.16.4	White cement without any pigment.	217.20	Rupees Two Hundred Seventeen and Paise Twenty Only	1	sqm
11.16.5	Light shade pigment with ordinary cement.	203.50	Rupees Two Hundred Three and Paise Fifty Only	1	sqm
11.16.6	Ordinary cement without any pigment.	180.60	Rupees One Hundred Eighty and Paise Sixty Only	1	sqm

11.17	40mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 28mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 12mm thick with white, black, chocolate, grey yellow or green marble chips of sizes from 7mm to 10mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips) by volume including cement slurry etc. complete :				
11.17.1	Dark shade pigment with ordinary cement	206.95	Rupees Two Hundred Six and Paise Ninety Five Only	1	sqm
11.17.2	Light shade pigment with white cement	268.15	Rupees Two Hundred Sixty Eight and Paise Fifteen Only	1	sqm
11.17.3	Medium shade pigment with 50% white cement and 50% ordinary cement	237.55	Rupees Two Hundred Thirty Seven and Paise Fifty Five Only	1	sqm
11.17.4	White cement without any pigment	236.65	Rupees Two Hundred Thirty Six and Paise Sixty Five Only	1	sqm
11.17.5	Light shade pigment with ordinary cement	219.55	Rupees Two Hundred Nineteen and Paise Fifty Five Only	1	sqm
11.17.6	Ordinary cement without any pigment	188.05	Rupees One Hundred Eighty Eight and Paise Five Only	1	sqm
11.18	Marble chips skirting (upto 30 cm height) rubbed and polished to granolithic finish, top layer 6mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4 mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume :				
11.18.1	18 mm thick with under layer 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand)-				
11.18.1.1	Dark shade pigment with ordinary cement.	237.55	Rupees Two Hundred Thirty Seven and Paise Fifty Five Only	1	sqm
11.18.1.2	Light shade pigment with white cement.	268.15	Rupees Two Hundred Sixty Eight and Paise Fifteen Only		
11.18.1.3	Medium shade pigment with 50% white cement and 50% ordinary cement	252.90	Rupees Two Hundred Fifty Two and Paise Ninety Only	1	sqm

11.18.1.4	White cement without any pigment.	253.10	Rupees Two Hundred Fifty Three and Paise Ten Only	1	sqm
11.18.1.5	Light shade pigment with ordinary cement.	243.85	Rupees Two Hundred Forty Three and Paise Eighty Five Only	1	sqm
11.18.1.6	Ordinary cement without any pigment.	227.55	Rupees Two Hundred Twenty Seven and Paise Fifty Five Only		
11.18.2	21 mm thick with under layer 15 mm thick cement plaster 1:3 (1 cement : 3 coarse sand)				
11.18.2.1	Dark shade pigment with ordinary cement.	243.35	Rupees Two Hundred Forty Three and Paise Thirty Five Only	1	sqm
11.18.2.2	Light shade pigment with white cement.	273.95	Rupees Two Hundred Seventy Three and Paise Ninety Five Only	1	sqm
11.18.2.3	Medium shade pigment with 50% white cement and 50% ordinary cement.	258.70	Rupees Two Hundred Fifty Eight and Paise Seventy Only	1	sqm
11.18.2.4	White cement without any pigment.	258.85	Rupees Two Hundred Fifty Eight and Paise Eighty Five Only	1	sqm
11.18.2.5	Light shade pigment with ordinary cement.	249.65	Rupees Two Hundred Forty Nine and Paise Sixty Five Only	1	sqm
11.18.2.6	Ordinary cement without any pigment.	233.35	Rupees Two Hundred Thirty Three and Paise Thirty Five Only	1	sqm
11.19	Providing and fixing aluminium strips 40mm wide and 2mm thick in joints of terrazo floor.	37.60	Rupees Thirty Seven and Paise Sixty Only	1	metre
11.20.	Providing and fixing glass strips in joints of terrazo / cement concrete floors.				
11.20.1	40 mm wide and 4 mm thick.	12.90	Rupees Twelve and Paise Ninety Only	1	metre
11.20.2	40 mm wide and 6 mm thick.	15.35	Rupees Fifteen and Paise Thirty Five Only	1	metre
11.23	Extra for terrazo flooring laid as floor borders, margins and similar bands exceeding 7.5 cm but not exceeding 30 cm in width	6.60	Rupees Six and Paise Sixty Only	1	sqm
11.24	Extra for laying terrazo flooring on staircase treads not exceeding 30 cm in width including cost of forming, nosing etc.	9.85	Rupees Nine and Paise Eighty Five Only	1	metre
11.25	Extra for laying terrazo in narrow bands not exceeding 7.5 cm in width.	0.70	Zero Rupee and Paise Seventy Only	1	metre
11.26	Extra for making moulded nosing in terrazo including returned moulded ends and angles to mouldings.	31.20	Rupees Thirty One and Paise Twenty Only	1	sqm

11.27	Special surface finishing to treads, risers and the ends of concrete steps and the like, including form work.	15.40	Rupees Fifteen and Paise Forty Only	1	sqm
11.28	Crazy marble stone flooring including filling the gaps with light shade pigment with white cement marble powder mixture (3 parts of white cement : 1 part of marble powder) by weight in proportion of 4:7(4 cement marble powder mix : 7 white, black or white and black marble chips of sizes from 1mm to 4mm nominal size by volume) and under layer 25mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) rubbing, polishing and cement slurry etc. complete:				
11.28.1	18 mm thick crazy marble stone white, black or as specified	307.35	Rupees Three Hundred Seven and Paise Thirty Five Only	1	sqm
11.29A	Precast terrazo tiles 22mm thick with graded marble chips of size upto 12mm laid in floors, and landings, jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete with precast tiles on 20mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand)				
11.29A.1	Light shade using white cement	384.45	Rupees Three Hundred Eighty Four and Paise Forty Five Only	1	sqm
11.29A.2	Medium shade using 50% white cement and 50% ordinary cement	343.40	Rupees Three Hundred Forty Three and Paise Forty Only	1	sqm
11.29A.3	Dark shade using ordinary cement.	304.75	Rupees Three Hundred Four and Paise Seventy Five Only	1	sqm
11.29A.4	Ordinary cement without any pigment	285.05	Rupees Two Hundred Eighty Five and Paise Five Only	1	sqm
11.30	Extra if terrazo tiles are laid in treads of steps not exceeding 30 cm in width.	12.15	Rupees Twelve and Paise Fifteen Only	1	sqm
11.31	Precast terrazo tiles 22mm thick with graded marble chips of sizes upto 12 mm in skirting and risers of steps not exceeding 30 cm in height on 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete with tiles of:				
11.31.1	Light shade using white cement.	468.90	Rupees Four Hundred Sixty Eight and Paise Ninety Only	1	sqm

11.31.2	Medium shade using 50% white cement and 50% ordinary cement	419.50	Rupees Four Hundred Nineteen and Paise Fifty Only	1	sqm
11.31.3	Dark shade using ordinary cement.	372.60	Rupees Three Hundred Seventy Two and Paise Sixty Only	1	sqm
11.31.4	Ordinary cement without any pigment.	352.85	Rupees Three Hundred Fifty Two and Paise Eighty Five Only	1	sqm
11.32	Precast terrazo tiles 22mm thick with graded marble chips of sizes upto 12mm fixed on walls, on 12 mm thick cement plaster 1:3 (1 cement:3 coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete with tiles of :				
11.32.1	Light shade using white cement.	459.95	Rupees Four Hundred Fifty Nine and Paise Ninety Five Only	1	sqm
11.32.2	Medium shade using 50% white cement and 50% ordinary cement	410.55	Rupees Four Hundred Ten and Paise Fifty Five Only	1	sqm
11.32.3	Dark shade using ordinary cement.	363.65	Rupees Three Hundred Sixty Three and Paise Sixty Five Only	1	sqm
11.32.4	Ordinary cement without any pigment.	343.90	Rupees Three Hundred Forty Three and Paise Ninety Only	1	sqm
11.33	Extra if cut tiles other than half tiles are used in risers of steps, skirting and dado	43.35	Rupees Forty Three and Paise Thirty Five Only	1	sqm
11.34A	Chequered terrazo tiles 22 mm thick with graded marble chips of size up to 6 mm in floors jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand)				
11.34A.1	Light shade using white cement.	378.35	Rupees Three Hundred Seventy Eight and Paise Thirty Five Only	1	sqm
11.34A.2	Medium shade using 50 % white cement, 50 % ordinary cement	349.50	Rupees Three Hundred Forty Nine and Paise Fifty Only	1	sqm
11.34A.3	Dark shade using ordinary cement	314.55	Rupees Three Hundred Fourteen and Paise Fifty Five Only	1	sqm
11.34A.4	Ordinary cement without any pigment	294.85	Rupees Two Hundred Ninety Four and Paise Eighty Five Only	1	sqm

11.34B	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and cleaning etc. complete on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand)				
11.34B.1	Light shade using white cement	389.80	Rupees Three Hundred Eighty Nine and Paise Eighty Only	1	sqm
11.34B.2	Medium shade using 50% white cement 50 % grey cement	361.00	Rupees Three Hundred Sixty One and Paise Zero Only	1	sqm
11.34B.3	Dark shade using ordinary cement	328.65	Rupees Three Hundred Twenty Eight and Paise Sixty Five Only	1	sqm
11.34B.4	Ordinary cement without any pigment	308.95	Rupees Three Hundred Eight and Paise Ninety Five Only	1	sqm
11.35	Chequered terrazo tiles 30 mm thick with graded marble chips of sizes upto 12mm in stairs treads jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing, rounding of nosing etc. complete on 20 mm thick bed of :				
11.35.2	Cement mortar 1:4 (1 cement : 4 coarse sand)				
11.35.2.1	Light shade using white cement.	441.60	Rupees Four Hundred Forty One and Paise Sixty Only	1	sqm
11.35.2.2	Medium shade using 50% white cement and 50% ordinary cement.	400.05	Rupees Four Hundred and Paise Five Only	1	sqm
11.35.2.3	Dark shade using ordinary cement.	357.25	Rupees Three Hundred Fifty Seven and Paise Twenty Five Only	1	sqm
11.35.2.4	Ordinary cement without any pigment	337.55	Rupees Three Hundred Thirty Seven and Paise Fifty Five Only	1	sqm
11.36C	Providing and fixing 10mm thick acid and or alkali resistant tiles of approved make and colour using acid and or alkali resisting mortar bedding and joints filled with acid and or alkali resisting cement as per IS : 4457 complete as per the direction of Engineer-in- Charge				
11.36C.1	In flooring on a bed of 10 mm thick mortar 1:4 (1appropriate cement : 4 coarse sand)				
11.36C.1.1	Acid and alkali resistant tile	650.25	Rupees Six Hundred Fifty and Paise Twenty Five Only	1	sqm

11.36C.2	In dado / skirting on 12 mm thick mortar 1:4 (1 appropriate cement : 4 coarse sand)				
11.36C.2.1	Acid and alkali resistant tile	685.70	Rupees Six Hundred Eighty Five and Paise Seventy Only	1	sqm
11.41A	Tile work in skirting, risers of steps and dado (upto 2 m height) over 12 mm thick bed of cement mortar 1:3 (1 cement :3 coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm including pointing in white cement mixed with pigment of matching shade complete				
11.41A.1	Marble tiles (polished) Rajnagar				
11.41A.1.1	8 mm thick	420.85	Rupees Four Hundred Twenty and Paise Eighty Five Only	1	sqm
11.42	Marble stone flooring with 18mm thick marble stone (sample of marble shall be approved by Engineer-in-charge) over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with :				
11.42.2	Makrana White Second quality	2334.80	Rupees Two Thousand Three Hundred Thirty Four and Paise Eighty Only	1	sqm
11.42.7	Raj nagar plain	648.30	Rupees Six Hundred Forty Eight and Paise Thirty Only	1	sqm
11.42.8	Agaria White	1849.30	Rupees One Thousand Eight Hundred Forty Nine and Paise Thirty Only	1	sqm
11.42.13	Black Zebra	648.30	Rupees Six Hundred Forty Eight and Paise Thirty Only	1	sqm
11.42.14	Udaipur green marble	648.30	Rupees Six Hundred Forty Eight and Paise Thirty Only	1	sqm
11.42.18	Pink plain marble	635.55	Rupees Six Hundred Thirty Five and Paise Fifty Five Only	1	sqm
11.43	Extra if pigment is used in the cement slurry to match the shade of the marble slabs	2.45	Rupees Two and Paise Forty Five Only	1	sqm
11.44	Extra if white cement slurry is used instead of grey cement slurry (in joints of marble stone flooring or tiles)	4.55	Rupees Four and Paise Fifty Five Only	1	sqm
11.46	Extra for nosing in marble stone for treads	75.80	Rupees Seventy Five and Paise Eighty Only	1	metre

11.47	Extra for marble stone flooring in treads of steps, not exceeding 30 cm in width	87.40	Rupees Eighty Seven and Paise Forty Only	1	sqm
11.48	Kota stone slab flooring over 20mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of 1 : 4 (1 cement : 4 coarse sand) :				
11.48.1	25 mm thick	493.10	Rupees Four Hundred Ninety Three and Paise Ten Only	1	sqm
11.49	Kota stone slabs 25 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	503.00	Rupees Five Hundred Three and Paise Zero Only	1	sqm
11.50	Supplying sand stone 40mm thick for flooring, carriage to site and fine dressed :				
11.50.1	Red sand stone	153.50	Rupees One Hundred Fifty Three and Paise Fifty Only	1	sqm
11.50.2	White sand stone	177.95	Rupees One Hundred Seventy Seven and Paise Ninety Five Only	1	sqm
11.51	40mm thick rough chisel dressed stone flooring over 20mm (average) thick base with joints finished flush of 1:5 (1cement : 5)				
11.51.1	Red sand stone	199.20	Rupees One Hundred Ninety Nine and Paise Twenty Only	1	sqm
11.51.2	White sand stone	223.65	Rupees Two Hundred Twenty Three and Paise Sixty Five Only	1	sqm
11.52	40mm thick rough chisel dressed stone flooring over 20mm (average) thick base including pointing with cement mortar 1:2 (1 cement:2 stone dust) with an admixture of pigment to match the shade of stone with base of 1:5 (1cement : 5 coarse sand) :				
11.52.1	Red sand stone	229.30	Rupees Two Hundred Twenty Nine and Paise Thirty Only	1	sqm
11.52.2	White sand stone	253.70	Rupees Two Hundred Fifty Three and Paise Seventy Only	1	sqm
11.53	40mm thick fine dressed stone flooring over 20mm (average) thick base with joints finished flush of 1:5 (1cement : 5 coarse sand) :				

11.53.1	Red sand stone	228.05	Rupees Two Hundred Twenty Eight and Paise Five Only	1	sqm
11.53.2	White sand stone	252.50	Rupees Two Hundred Fifty Two and Paise Fifty Only	1	sqm
11.54	40mm thick fine dressed stone flooring over 20mm (average)thick base including pointing with cement mortar 1:2 (1 cement : 2 stone dust) with an admixture of pigment to match the shade of stone with base of :				
11.54.1	Red sand stone	258.70	Rupees Two Hundred Fifty Eight and Paise Seventy Only	1	sqm
11.54.2	White sand stone	283.15	Rupees Two Hundred Eighty Three and Paise Fifteen Only	1	sqm
11.55	40mm thick rubbed stone flooring over 20mm (average) thick base with joints 3mm thick, side buttered with cement mortar 1:2 (1 cement : 2 stone dust) admixed with pigment to match the shade of stone and pointing with same mortar with base of 1 : 5 (1 cem				
11.55.1	Red sand stone	276.50	Rupees Two Hundred Seventy Six and Paise Fifty Only	1	sqm
11.55.2	White sand stone	300.95	Rupees Three Hundred and Paise Ninety Five Only	1	sqm
11.56	40mm thick fine dressed and rubbed stone flooring over 20mm (average) thick base with joints 5 mm thick finished flush base with 1 : 5 (1 cement : 5 coarse sand) :				
11.56.1	Red sand stone	250.35	Rupees Two Hundred Fifty and Paise Thirty Five Only	1	sqm
11.56.2	White sand stone	274.80	Rupees Two Hundred Seventy Four and Paise Eighty Only	1	sqm
11.57	40mm thick fine dressed and rubbed stone flooring over 20mm (average) thick base with joints 5mm thick, including pointing with cement mortar 1:2 (1 cement : 2 stone dust) with an admixture of pigment to match the shade of stone with base 1 : 5 (1 cement :5coarse sand)				
11.57.1	Red sand stone	281.00	Rupees Two Hundred Eighty One and Paise Zero Only	1	sqm
11.57.2	White sand stone	305.45	Rupees Three Hundred Five and Paise Forty Five Only	1	sqm

11.58	Extra for nosing in steps and treads of kota stone slab	21.65	Rupees Twenty One and Paise Sixty Five Only	1	metre
11.59	Extra for kota stone/ sand stone flooring in steps and treads not exceeding 30cm in width	4.50	Rupees Four and Paise Fifty Only	1	sqm
11.60	Extra for nosing in steps and treads of red or white rough dressed sand stone	14.45	Rupees Fourteen and Paise Forty Five Only	1	sqm
11.61	Extra for red or white rough dressed sand stone flooring in steps and treads not exceeding 30 cm in width	3.70	Rupees Three and Paise Seventy Only	1	sqm
11.63	Extra for red or white sand stone flooring in steps and treads, not exceeding 30 cm in width:				
11.63.1	Fine dressed	6.20	Rupees Six and Paise Twenty Only	1	sqm
11.63.2	Rubbed	6.20	Rupees Six and Paise Twenty Only	1	sqm
11.64	Providing and fixing homogeneous Polyvinyl chloride sheet /tile in flooring and skirting in approved pattern on a smooth and damp proof base using rubber based adhesives of approved quality and manufacturer like Dunlop S-758, Fevicol SR 998 or equivalent including rolling with light wooden roller weighing about 5 kg. all complete as directed by Engineer-in-Charge, in approved colour and shade.				
11.64.1	1.5 mm thick				
11.64.1.1	Sheet	338.40	Rupees Three Hundred Thirty Eight and Paise Forty Only	1	sqm
11.64.1.2	Tile	414.60	Rupees Four Hundred Fourteen and Paise Sixty Only	1	sqm
11.64.2	2.0 mm thick				
11.64.2.1	Sheet	482.25	Rupees Four Hundred Eighty Two and Paise Twenty Five Only	1	sqm
11.64.2.2	Tile	482.25	Rupees Four Hundred Eighty Two and Paise Twenty Five Only	1	sqm
11.66	Providing and fixing rubber floor tiles with approved rubber adhesive as per manufacturers specification on the existing floor complete in all respect in all colours and shades :				
11.66.1	Plain rubber tiles conforming to IS : 809				
11.66.1.1	1.5mm thick	533.20	Rupees Five Hundred Thirty Three and Paise Twenty Only	1	sqm

11.66.1.2	2.0mm thick	610.20	Rupees Six Hundred Ten and Paise Twenty Only	1	sqm
11.66.2	LP stud range conforming to IS : 809 size 610mmx610mm				
11.66.2.1	2.0mm thick	533.20	Rupees Five Hundred Thirty Three and Paise Twenty Only	1	sqm
11.66.2.2	3.0mm thick	884.35	Rupees Eight Hundred Eighty Four and Paise Thirty Five Only	1	sqm
11.66.2.3	4.0mm thick	1159.65	Rupees One Thousand One Hundred Fifty Nine and Paise Sixty Five Only	1	sqm
11.66.3	Anti-static rubber tiles plain/stud (conforming to BS : 2050 size 610mmx610mm)				
11.66.3.1	2.0mm thick (black only)	399.05	Rupees Three Hundred Ninety Nine and Paise Five Only	1	sqm
11.66.4	Rubber tile plain/LP stud in skirting conforming to IS : 809				
11.66.4.1	2.0mm thick	954.30	Rupees Nine Hundred Fifty Four and Paise Thirty Only	1	sqm
11.67	25mm wooden planking, tongued and grooved in flooring including fixing with iron screws complete with				
11.67.2	Second class teak wood	1328.25	Rupees One Thousand Three Hundred Twenty Eight and Paise Twenty Five Only	1	sqm
11.67.4	Second class deodar wood	1171.80	Rupees One Thousand One Hundred Seventy One and Paise Eighty Only	1	sqm
11.68	38mm thick parquet (wood block) flooring of first class teak wood laid over 25mm thick levelling layer of cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm nominal size) to be paid separately coated with a thin layer of hot bitumen (blown type) @ 2.45 kg per sqm. including fixing blocks in position after dipping in hot bitumen (blown type) upto half depth, planed, levelled smooth and finished complete	2635.75	Rupees Two Thousand Six Hundred Thirty Five and Paise Seventy Five Only	1	sqm
11.69	Extra for planing the lower surface of wooden planking	27.55	Rupees Twenty Seven and Paise Fifty Five Only	1	sqm

11.70	Extra for providing and fixing metal strips of 1.6 mm thickness at junctions with other floors				
11.70.1	25 mm wide aluminium strip	22.20	Rupees Twenty Two and Paise Twenty Only	1	metre
11.70.2	38 mm wide aluminium strip	30.25	Rupees Thirty and Paise Twenty Five Only	1	metre
11.71	Providing and fixing M.S. angle 50x50x5 mm to act as nosing with lugs of M.S. flat 10x5 mm 10cm long forked at end 60cm apart (minimum three lugs to be provided) including necessary welding and applying a priming coat of approved primer on exposed	26.45	Rupees Twenty Six and Paise Forty Five Only	1	kilogram
11.72	Providing and laying 5 mm thick epoxy screeding consisting of araldite G.Y. 257, 100 parts by weight hardener HY 830, 40 parts by weight Hardener HY 850, 20 parts by weight plus quartz sand 900 parts over a primed surface with primer araldite GY 257, 100 parts by weight and hardener HY 840, 50 parts by weight including application of two top coats based on araldite GY 257, 100 parts hardener HY 830, 40 parts hardener HY 850, 20 parts and flow control agent 1 to 3% with acrosil DTO 75, 3 parts complete as per ciba geigy specification including preparation of surface to receive the treatment.	976.55	Rupees Nine Hundred Seventy Six and Paise Fifty Five Only	1	sqm
11.73	Providing and fixing 1st quality ceramic glazed tiles conforming to IS : 13753 of minimum thickness 5 mm of approved make like NITCO, ORIENT, SOMANY KAJARIA, or equivalent make in all colours, shades except begundy, bottle green, black of any size as approved by Eningeer in-Charge in skirting, risers of steps and dados over 12 mm thick bed of Cement Mortar 1:3 (1 Cement : 3 Coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	373.30	Rupees Three Hundred Seventy Three and Paise Thirty Only	1	sqm

11.74	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 13755 of NITCO, ORIENT, SOMANY KAJARIA, or equivalent make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete.	478.90	Rupees Four Hundred Seventy Eight and Paise Ninety Only	1	sqm
11.75	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 13755 of NITCO, ORIENT, KAJARIA, SOMANY or equivalent make in all colours, shades except White, Ivory, Grey, Fume Red Brown laid on 20mm thick bed of Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete.	501.70	Rupees Five Hundred One and Paise Seventy Only	1	sqm
11.76	Providing and laying 'INVIZA' Glazed Ceramic floor tiles 395x395 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 13755, NITCO or equivalent make in colours White, Ivory, Grey, Fume Red Brown, laid on 20mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including grouting the joints with white cement and matching pigments etc., complete.	593.70	Rupees Five Hundred Ninety Three and Paise Seventy Only	1	sqm
11.77	Providing and laying 'INVIZA' Glazed Ceramic floor tiles 395x395 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 13755, NITCO or equivalent make in all colours, shades except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete.	616.45	Rupees Six Hundred Sixteen and Paise Forty Five Only	1	sqm
11.78	Providing and laying polished porcelain floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorptions less than 1% and flexural strength not less than 30N/mm ² , in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete				
11.78.1	Size of Tile 50x50 cm	1082.10	Rupees One Thousand Eighty Two and Paise Ten Only	1	sqm

11.78.2	Size of Tile 60x60 cm	1203.95	Rupees One Thousand Two Hundred Three and Paise Ninety Five Only	1	sqm
11.78.3	Size of Tile 80x80 cm	1719.05	Rupees One Thousand Seven Hundred Nineteen and Paise Five Only	1	sqm
11.78.4	Size of Tile 100x100 cm	2330.60	Rupees Two Thousand Three Hundred Thirty and Paise Sixty Only	1	sqm
11.79.	Providing and laying porcelain paver tiles in floors with water absorptions less than 3.5% and flexural strength not less than 30N/mm ² , in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete (thickness of joints to be 8 to 10 mm)				
11.79.1	Size of Tile 10x10x1.5 cm	2199.95	Rupees Two Thousand One Hundred Ninety Nine and Paise Ninety Five Only	1	sqm
	ROOFING				
12.1	Providing corrugated G.S. sheet roofing fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (upto a pitch of 60 degrees) excluding the cost of purlins, rafters and trusses.				
12.1.1	1.60mm thick with zinc coating not less than 350gm/m ²	589.90	Rupees Five Hundred Eighty Nine and Paise Ninety Only		
12.1.2	1.25mm thick with zinc coating not less than 350gm/m ²	477.75	Rupees Four Hundred Seventy Seven and Paise Seventy Five Only	1	sqm
12.1.3	1.00mm thick with zinc coating not less than 275gm/m ² sqm	397.90	Rupees Three Hundred Ninety Seven and Paise Ninety Only	1	sqm
12.1.4	0.80mm thick with zinc coating not less than 275gm/m ²	333.95	Rupees Three Hundred Thirty Three and Paise Ninety Five Only	1	sqm
12.1.5	0.63mm thick with zinc coating not less than 275gm/m ²	279.55	Rupees Two Hundred Seventy Nine and Paise Fifty Five Only	1	sqm

12.2	Extra for providing and fixing corrugated G.S. sheets vertically or to a pitch exceeding 60 degrees.	2.80	Rupees Two and Paise Eighty Only	1	sqm
12.3	Extra for providing and fixing curved C.G.S. sheets in roofing				
12.3.4	0.80 mm thick	3.15	Rupees Three and Paise Fifteen Only	1	sqm
12.3.5	0.63 mm thick	2.55	Rupees Two and Paise Fifty Five Only	1	sqm
12.4	Extra for straight cutting in C.G.S. sheet roofing for making opening of area exceeding 40 sq decimetre for chimney stacks, sky light etc.				
12.4.1	1.60 mm thick	19.80	Rupees Nineteen and Paise Eighty Only	1	metre
12.4.2	1.25 mm thick	15.70	Rupees Fifteen and Paise Seventy Only	1	metre
12.4.3	1.00 mm thick	12.40	Rupees Twelve and Paise Forty Only	1	metre
12.4.4	0.80 mm thick	9.90	Rupees Nine and Paise Ninety Only	1	metre
12.4.5	0.63 mm thick	9.90	Rupees Nine and Paise Ninety Only	1	metre
12.5	Extra for circular cutting in C.G.S. sheet roofing for making opening of area exceeding 40 square decimetre				
12.5.1	1.60 mm thick	111.75	Rupees One Hundred Eleven and Paise Seventy Five Only	1	metre
12.5.2	1.25 mm thick	87.40	Rupees Eighty Seven and Paise Forty Only	1	metre
12.5.3	1.00 mm thick	69.95	Rupees Sixty Nine and Paise Ninety Five Only	1	metre
12.5.4	0.80 mm thick	55.85	Rupees Fifty Five and Paise Eighty Five Only	1	metre
12.5.5	0.63 mm thick	55.85	Rupees Fifty Five and Paise Eighty Five Only	1	metre
12.6	Providing ridges or hips of width 60 cm over all width plain G.S.sheet fixed with polymer coated J. or L hooks, bolts and nuts 8mm dia G.I. limpet and bitumen washers complete.				

12.6.1	0.80mm thick with zinc coating not less than 275gm/m ² metre	219.55	Rupees Two Hundred Nineteen and Paise Fifty Five Only		
12.6.2	0.63mm thick with zinc coating not less than 275gm/m ²	190.00	Rupees One Hundred Ninety and Paise Zero Only	1	metre
12.7	Providing valleys of 90cm wide overall in plain G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts 8mm dia. G.I. limpet and bitumen washers complete.				
12.7.1	1.60mm thick with zinc coating not less than 350gm/m ²	430.70	Rupees Four Hundred Thirty and Paise Seventy Only	1	metre
12.8	Providing flashing of 40cm over all width in plain, G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts, G.I. limpet and bitumen washer complete, bent to shape and fixed in wall with cement mortar 1:3 (1cement : 3 coarse sand).				
12.8.1	1.25mm thick with zinc coating not less than 350gm/m ²	179.70	Rupees One Hundred Seventy Nine and Paise Seventy Only	1	metre
12.8.2	1.00mm thick with zinc coating not less than 275gm/m ²	157.75	Rupees One Hundred Fifty Seven and Paise Seventy Five Only	1	metre
12.9	Providing and fixing 15 cm wide 45 cm over all semi circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc. including making necessary connections with rain water pipes complete.				
12.9.3	0.80mm thick with zinc coating not less than 275gm/m ²	190.15	Rupees One Hundred Ninety and Paise Fifteen Only	1	metre
12.9.4	0.63mm thick with zinc coating not less than 275gm/m ² metre	165.55	Rupees One Hundred Sixty Five and Paise Fifty Five Only	1	metre
12.10	Providing asbestos cement 6 mm thick corrugated sheets roofing and fixing with polymer coated J, or L hooks, bolts and nuts 8mm dia. G.I. plain and bitumen washers complete excluding the cost of purlins, rafters and trusses: corrugated sheets				
12.10.1	Upto 60 degrees pitch	153.65	Rupees One Hundred Fifty Three and Paise Sixty Five Only	1	sqm
12.10.2	Above 60 degrees pitch	156.50	Rupees One Hundred Fifty Six and Paise Fifty Only	1	sqm
12.11	Extra for straight cutting in A.C. corrugated, semi-corrugated 6 mm thick sheet roofing for making openings of area exceeding 40 square decimetre for chimney stacks, skylights etc.	9.90	Rupees Nine and Paise Ninety Only	1	metre

12.12	Extra for circular cutting in A.C. corrugated/semi-corrugated 6 mm thick sheet roofing for making openings of area exceeding 40 square decimetre.	27.40	Rupees Twenty Seven and Paise Forty Only	1	metre
12.13	Extra for providing and fixing wind ties of 40x 6mm flat iron section	39.10	Rupees Thirty Nine and Paise Ten Only	1	metre
12.14	Providing and fixing ridges and hips in asbestos cement sheet roofing:				
12.14.1	One piece plain angular ridges	102.30	Rupees One Hundred Two and Paise Thirty Only	1	metre
12.14.2	Serrated or plain wing adjustable ridges	135.20	Rupees One Hundred Thirty Five and Paise Twenty Only	1	metre
12.14.3	Close fitting adjustable ridges	173.60	Rupees One Hundred Seventy Three and Paise Sixty Only	1	metre
12.14.4	North light adjustable ridges	135.35	Rupees One Hundred Thirty Five and Paise Thirty Five Only	1	metre
12.14.5	Unserrated adjustable hips	135.00	Rupees One Hundred Thirty Five and Paise Zero Only	1	metre
12.15	Providing and fixing asbestos cement roofing accessories with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete:				
12.15.1	Apron flashing pieces	96.70	Rupees Ninety Six and Paise Seventy Only	1	metre
12.15.2	Eave's filler pieces	72.45	Rupees Seventy Two and Paise Forty Five Only	1	metre
12.15.3	North light and ventilator curves	173.95	Rupees One Hundred Seventy Three and Paise Ninety Five Only	1	metre
12.15.4	Barge boards	102.35	Rupees One Hundred Two and Paise Thirty Five Only	1	metre
12.15.6	Ridge finials	74.15	Rupees Seventy Four and Paise Fifteen Only	1	pair
12.15.8	Curved barge boards for north light curves	128.00	Rupees One Hundred Twenty Eight and Paise Zero Only	1	each
12.15.9	Roof lights	706.00	Rupees Seven Hundred Six and Paise Zero Only	1	each
12.15.10	Expansion joints for ridges	206.50	Rupees Two Hundred Six and Paise Fifty Only	1	pair

12.15.11	Expansion joints for north light curves	162.70	Rupees One Hundred Sixty Two and Paise Seventy Only	1	each
12.15.12	S type louvers	86.75	Rupees Eighty Six and Paise Seventy Five Only	1	metre
12.20	Providing flat iron brackets 50x3mm size with necessary bolts, nuts and washers etc. for fixing asbestos cement/G.S. sheets gutters with purlins	12.80	Rupees Twelve and Paise Eighty Only	1	metre
12.29	Painting top of roofs with bitumen of approved quality at 17kg per 10sqm impregnated with a coat of coarse sand at 60 cudm per 10sqm including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete				
12.29.1	With residual type petroleum bitumen of penetration 80/100	31.85	Rupees Thirty One and Paise Eighty Five Only	1	sqm
12.30	10cm thick (average) mud phaska of damped brick earth on roofs laid to slope consolidated and plastered with 25mm thick mud mortar mixed with bhusa at 35 kg per cum of earth and gobri leaping with mix 1:1 (1 clay : 1 cow dung) and covered with flat tile bricks of class designation 100 grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement and finished neat:				
12.30.1	With F.P.S. brick tiles	147.20	Rupees One Hundred Forty Seven and Paise Twenty Only	1	sqm
12.30A	10cm thick (average) mud phaska of damped brick earth on roofs laid to slope consolidated and plastered with 25mm thick mud mortar with busha at 35kg per cum of earth and gobri leaping with mix 1:1 (1 clay : 1 cowdung) and covered with machine moulded tile bricks of class designation 125 conforming to IS : 2690 (Part I) - 1992 grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% curde oil by weight of cement and finished neat.				
12.30A.1	With machine moulded F.P.S. brick tiles	174.25	Rupees One Hundred Seventy Four and Paise Twenty Five Only	1	cum
12.31	Extra for every additional 1 cm thickness of mud phaska	3.20	Rupees Three and Paise Twenty Only	1	sqm

12.33	Providing and laying brick tiles of class designation 100 over mummy roofs grouted with cement mortar 1:3 (1 cement:3 fine sand) mixed with 2% of integral water proofing compound by weight of cement ,over a 12mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat:				
12.33.2	With F.P.S. brick tiles	119.00	Rupees One Hundred Nineteen and Paise Zero Only	1	sqm
12.33A	Providing and laying pressed clay tiles (as per approved pattern 20mm nominal thickness and of approved size) on roofs jointed with cement mortar 1:4 (1 cement :4 coarse sand) mixed with 2% integral water proofing compound laid over a bed of 20mm thick cement mortar 1:4 (1cement : 4coarse sand) and finished	276.40	Rupees Two Hundred Seventy Six and Paise Forty Only	1	sqm
12.34	Lime concrete terracing on roofs average thickness 10cm laid to fall with 25mm nominal size brick aggregate and 50% lime mortar 1:2 (1 lime putty : 2 surkhi) rammed and finished with gur and belgiri treatment complete including rounding of junctions with parapet wall complete.	174.20	Rupees One Hundred Seventy Four and Paise Twenty Only	1	sqm
12.35	Lime concrete terracing on roofs, average thickness 10cm laid to fall with 25mm nominal size brick aggregate and 50% lime mortar 1:2 (1 lime putty : 2 surkhi) rammed and finished with gur and belgiri treatment complete and covered with flat brick tiles of class designation 100 grouted with cement mortar 1:3 (1 cement : fine sand) mixed with 2% of integral water proofing compound by weight of cement, over 12mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat :				
12.35.2	With F.P.S. brick tiles	293.20	Rupees Two Hundred Ninety Three and Paise Twenty Only	1	sqm
12.36	Extra for every additional 0.5cm thickness of lime concrete terracing	8.90	Rupees Eight and Paise Ninety Only	1	sqm
12.38	Providing gola 75 x75mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :				
12.38.1	In 75x75mm deep chase	43.00	Rupees Forty Three and Paise Zero Only	1	metre

12.39	Making khurras 45x45cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) over P.V.C. sheet 1mx 1mx400 micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edges	68.50	Rupees Sixty Eight and Paise Fifty Only	1	each
12.40	Providing sand stone slab for roofing and laying them in cement mortar 1 : 4 (1 Cement : 4 coarse sand) over wooden karries or R.C.C. battens (Karries and battens to be paid seperate-ly) including pointing the ceiling joints with cement mortar 1:3 (1Cement : 3 fine sand) complete				
12.40.1	Red sand stone slab				
12.40.1.1	40 mm thick	183.10	Rupees One Hundred Eighty Three and Paise Ten Only	1	sqm
12.40.1.2	45 mm thick	221.10	Rupees Two Hundred Twenty One and Paise Ten Only	1	sqm
12.40.1.3	50 mm thick	228.60	Rupees Two Hundred Twenty Eight and Paise Sixty Only	1	sqm
12.40.2	White sand stone slab				
12.40.2.1	40 mm thick	207.55	Rupees Two Hundred Seven and Paise Fifty Five Only	1	sqm
12.40.2.2	45 mm thick	251.65	Rupees Two Hundred Fifty One and Paise Sixty Five Only	1	sqm
12.40.2.3	50 mm thick	259.15	Rupees Two Hundred Fifty Nine and Paise Fifteen Only	1	sqm
12.54	Providing and fixing 20mm thick wooden planks ceiling (frame work for base to be paid separately) with M.S. screws:				
12.54.1	2nd class teak wood	813.80	Rupees Eight Hundred Thirteen and Paise Eighty Only	1	sqm
12.55	Providing and fixing insulating board ceiling of approved quality with necessary nails etc. complete (frame work to be paid separately) :				
12.55.1	Natural colour insulating board				
12.55.1.1	12 mm thick	241.55	Rupees Two Hundred Forty One and Paise Fifty Five Only	1	sqm
12.55.1.2	18 mm thick	330.85	Rupees Three Hundred Thirty and Paise Eighty Five Only	1	sqm
12.55.2	White face insulating board				

12.55.2.1	12 mm thick	303.85	Rupees Three Hundred Three and Paise Eighty Five Only	1	sqm
12.55.2.2	18 mm thick	423.70	Rupees Four Hundred Twenty Three and Paise Seventy Only	1	sqm
12.55.3	Flame retardent face insulating board				
12.55.3.1	12 mm thick	272.10	Rupees Two Hundred Seventy Two and Paise Ten Only	1	sqm
12.55.3.2	18 mm thick	376.05	Rupees Three Hundred Seventy Six and Paise Five Only	1	sqm
12.56	Providing and fixing coir veneer board ISI marked (IS : 14842 - 2000), ceiling sheet with necessary nails etc., complete (frame work to be paid separately)				
12.56.1	3mm thick	188.35	Rupees One Hundred Eighty Eight and Paise Thirty Five Only	1	sqm
12.56.2	4mm thick	314.05	Rupees Three Hundred Fourteen and Paise Five Only	1	sqm
12.57	Providing and fixing flat pressed 3 layer medium density particle board or graded particle board (Grade I) IS: 3087 marked (Novapan, Ecoboard or Bhutan Board etc.) in ceiling with necessary nails etc. complete (frame work to be paid separately):				
12.57.2	12 mm thick	311.00	Rupees Three Hundred Eleven and Paise Zero Only	1	sqm
12.57.3	18 mm thick	386.80	Rupees Three Hundred Eighty Six and Paise Eighty Only	1	sqm
12.58	Providing and fixing plain A.C. sheet ceiling of approved quality with necessary nails etc. complete (frame work to be paid separately) :				
12.58.1	4 mm thick	155.80	Rupees One Hundred Fifty Five and Paise Eighty Only	1	sqm
12.58.2	6 mm thick	202.35	Rupees Two Hundred Two and Paise Thirty Five Only	1	sqm
12.59	Extra for Circular cutting and waste in ceiling with:				
12.59.1	2nd class teak wood planks 20 mm thick	141.50	Rupees One Hundred Forty One and Paise Fifty Only	1	metre
12.59.4	Natural colour insulating board				
12.59.4.1	12 mm thick	69.95	Rupees Sixty Nine and Paise Ninety Five Only	1	metre

12.59.5	White face insulating board:				
12.59.5.1	12 mm thick	77.75	Rupees Seventy Seven and Paise Seventy Five Only	1	metre
12.59.5.2	18 mm thick	92.65	Rupees Ninety Two and Paise Sixty Five Only	1	metre
12.59.6	Flame retardent face insulating board:				
12.59.6.1	12 mm thick	73.80	Rupees Seventy Three and Paise Eighty Only	1	metre
12.59.6.2	18 mm thick	86.70	Rupees Eighty Six and Paise Seventy Only	1	metre
12.59.7	Standard quality hard board sheet:				
12.59.7.1	3 mm thick	60.95	Rupees Sixty and Paise Ninety Five Only	1	sqm
12.59.7.2	4.5 mm thick	64.35	Rupees Sixty Four and Paise Thirty Five Only	1	metre
12.60	Extra for providing and fixing ceiling to curved surfaces in narrow widths	47.35	Rupees Forty Seven and Paise Thirty Five Only	1	sqm
12.60B	Extra for using 12mm thick semi perforated ceiling tiles instead of 12mm thick plain ceiling tiles in item above	0.00	Rupees and Paise Zero Only	1	sqm
12.60C	Extra for providing 3 mm thick translucent white acrylic plastic sheets of approved quality in false ceiling instead of 12 mm thick plain/or with design particle board ceiling tiles in item above	194.40	Rupees One Hundred Ninety Four and Paise Forty Only	1	sqm
12.61	Providing 10mm thick plaster of Paris (gypsum anhydrous) ceiling upto a height of 5m above floor level over first class kail wood strips 25x6mm with 10mm gap in between and rein-forced with rabbit wire mesh fixed to wooden frame (frame work to be paid seperartly)				
12.61.1	Flat surfaces	304.20	Rupees Three Hundred Four and Paise Twenty Only	1	sqm
12.61.2	Curved surfaces	341.35	Rupees Three Hundred Forty One and Paise Thirty Five Only	1	sqm
12.62	Extra for any sunk or raised mouldings in the plaster of Paris (Gypsum anhydrous) ceiling	78.10	Rupees Seventy Eight and Paise Ten Only	1	sqm
12.63	Extra for providing plaster of Paris (Gypsum anhydrous) ceiling above 5 metres height from floor level	28.50	Rupees Twenty Eight and Paise Fifty Only	1	sqm per metre height

12.64	Providing and fixing 12mm thick plaster of Paris (gypsum anhydrous) ceiling tiles upto a height of 5 mtrs above floor level over wooden frames and rendered smooth with plaster of Paris	177.35	Rupees One Hundred Seventy Seven and Paise Thirty Five Only	1	sqm
12.65	Extra for providing and fixing plaster of paris (Gypsum anhydrous) ceiling tiles beyond 5 mtrs height from floor level (Height beyond 5m to be measured for extra payment).	13.85	Rupees Thirteen and Paise Eighty Five Only	1	sqm per metre height
12.65A	Providing, fixing and applying plaster of paris (POP) false ceiling consisting of frame work made with 50mm sq M.S. tubes of 18 G thickness as main runner at 600mm c/c both ways, suspended/supported with M.S. flats 25x4 mm from existing R.C.C. slab including providing and fixing expanded metal of size 5.25 mm x1.25 mm thickness welded to main runners and applying POP (calcium sulphate semihydrate variety) to the expanded metal of thickness not less than 10 mm finished smooth to line and level including necessary supports scaffolding etc. as required and also including applying a coat of red oxide zinc chromate primer	410.75	Rupees Four Hundred Ten and Paise Seventy Five Only	1	sqm
12.65B	Providing and fixing plaster of paris (POP) false ceiling consisting of frame work made with 50mm sq M.S. tubes of 18 G thickness as main runners at 600mm c/c both ways, suspended/supported with M.S. flats 25x4mm from existing R.C.C. slab including providing and fixing minimum 10 mm thick POP (calcium sulphate semihydrate variety) jute reinforced tiles of 600x600 mm of plain/or of approved design finished smooth to line and level including necessary supports scaffolding etc. as required and also including applying a coat of red oxide zinc chromate primer	483.85	Rupees Four Hundred Eighty Three and Paise Eighty Five Only	1	sqm
12.66	Providing and fixing thermal insulation of ceiling (under deck insulation) with Resin Bonded Fibre glass wool conforming to IS : 8193 (Twiga Insul 1500/50mm or equivalent) density 24 kg/m ³ , 50 mm thick, wrapped in 200 G Virgin polythene bags fixed to Ceiling with metallic cleats (50x50x3 mm) @ 60cm and wire mesh of 12.5 mm x 24g wire and mesh, for top most ceiling of building	237.00	Rupees Two Hundred Thirty Seven and Paise Zero Only	1	sqm

12.67A	Providing and fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS : 8183 (Twiga Insul 1000/50mm or equivalent). Density 16kg/m ³ , 50mm thick, wrapped in 200G Virgin Polythene bags placed over existing false ceiling and held in position by criss-crossing GI wire	129.70	Rupees One Hundred Twenty Nine and Paise Seventy Only	1	sqm
12.67B	Thermal Insulation of roofing with Expanded polystyrene fixed with suitable adhesive to the false ceiling as per the directions of the Engineer-in-charge				
a)	With Type N - Normal 50 mm thick	117.60	Rupees One Hundred Seventeen and Paise Sixty Only	1	sqm
b)	With Type SE - Self Extinguishing type 50 mm thick	142.00	Rupees One Hundred Forty Two and Paise Zero Only	1	sqm
12.68	Providing and fixing 100 mm diameter and 60 cm long rain water spout in cement mortar 1:4 (1 cement : 4 fine sand)				
12.68.1	Stone ware spout	26.00	Rupees Twenty Six and Paise Zero Only	1	each
12.71	Providing and fixing M.S. holder bat clamps of approved design to C.I. or S.C.I. rain water pipes embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and cost of cutting holes and making good the walls etc.				
12.71.2	100 mm diameter	44.35	Rupees Forty Four and Paise Thirty Five Only	1	each
12.71.3	150 mm diameter	57.70	Rupees Fifty Seven and Paise Seventy Only	1	each
12.73	Providing lead caulked joints to sand cast iron rain water pipes and fittings :				
12.73.2	100 mm dia pipe	78.45	Rupees Seventy Eight and Paise Forty Five Only	1	each
12.73.3	150 mm dia pipe	108.05	Rupees One Hundred Eight and Paise Five Only	1	each
12.74	Providing, fixing and embedding sand cast iron accessories for rain water pipes in the masonry surrounded with 12 mm thick cement mortar of the same mix, as that of masonry (lead caulking will be paid for separately) :				

12.74.2	Sand cast iron plain shoes				
12.74.2.3	150 mm diameter	156.85	Rupees One Hundred Fifty Six and Paise Eighty Five Only	1	each
12.78	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes				
12.78.1	75 mm diameter	73.70	Rupees Seventy Three and Paise Seventy Only	1	metre
12.78.2	110 mm diameter	126.65	Rupees One Hundred Twenty Six and Paise Sixty Five Only	1	metre
12.79	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.				
12.79.1	Coupler				
12.79.1.1	75 mm	63.00	Rupees Sixty Three and Paise Zero Only	1	each
12.79.1.2	110 mm	81.80	Rupees Eighty One and Paise Eighty Only	1	each
12.79.2	Single Pushfit Coupler				
12.79.2.1	75 mm	77.45	Rupees Seventy Seven and Paise Forty Five Only	1	each
12.79.2.2	110 mm	109.60	Rupees One Hundred Nine and Paise Sixty Only	1	each
12.79.3	Single tee with door				
12.79.3.1	75x75x75 mm	125.40	Rupees One Hundred Twenty Five and Paise Forty Only	1	each
12.79.3.2	110x110x110 mm	198.45	Rupees One Hundred Ninety Eight and Paise Forty Five Only	1	each
12.79.4	Single tee without door				
12.79.4.1	75x75x75 mm	114.30	Rupees One Hundred Fourteen and Paise Thirty Only	1	each
12.79.4.2	110x110x110 mm	176.20	Rupees One Hundred Seventy Six and Paise Twenty Only	1	each
12.79.5	Bend 87.5°				

12.79.5.1	75 mm bend	71.90	Rupees Seventy One and Paise Ninety Only	1	each
12.79.5.2	110 mm bend	109.60	Rupees One Hundred Nine and Paise Sixty Only	1	each
12.79.6	Shoe (Plain)				
12.79.6.1	75 mm Shoe	121.90	Rupees One Hundred Twenty One and Paise Ninety Only	1	each
12.79.6.2	110 mm Shoe	215.15	Rupees Two Hundred Fifteen and Paise Fifteen Only	1	each
12.80	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
12.80.1.	75 mm	54.30	Rupees Fifty Four and Paise Thirty Only	1	each
12.80.2	110 mm	71.00	Rupees Seventy One and Paise Zero Only	1	each
12.81	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diametre and weighing not less than 440 grams.	18.50	Rupees Eighteen and Paise Fifty Only	1	each

12.82	<p>Providing and fixing at all height false ceiling of 12.5 mm thick tapered edge gypsum board conforming to IS : 2095 including providing and fixing of frame work made of special sections power pressed from M.S. sheet and galvanised in accordance with zinc coating 600 as per IS : 277 and consisting of angle cleats of size 25mm wide x 1.6mm thick with flanges of 22mm and 37mm at 1200mm centre to centre one flange fixed to the ceiling with dash fastner 12.5mm diax40mm long with 6mm dia bolts to the angle hangers of 25x25x5mm of required length, and other end of angle hanger being fixed with nut and bolts to G.I. channels 45x15x0.9mm running at the rate of 1200mm centre to centre to which the ceiling section 0.5mm thick botton wedge of 80mm with tapered flanges of 26mm each having clips of 10.5mm at 450mm centre to centre shall be fixed in a direction perpendicular to G.I. channel with connecting clips made out of 2.64mm diax230mm long G.I. wire at every junction including fixing the gypsum board with ceiling section and perimeter channels 0.5mm thick 27mm high having flanges of 20mm and</p>	416.70	Rupees Four Hundred Sixteen and Paise Seventy Only	1	sqm
12.82A	<p>Providing and fixing at all height false ceiling of 3mm thick PVC rigid foam sheet manufactured by M/s Rajshri or equivalent including providing and fixing of frame work made of special sections power pressed from M.S. sheet and galvanised in accordance with zinc coating 600 as per IS : 277 and consisting of angle cleats of size 25mm wide x 1.6mm thick with flanges of 22mm and 37mm at 1200mm centre to centre one flange fixed to the ceiling with dash fastener 12.5mm diax40mm long with 6mm dia bolts to the angle hanger of 25x25x5mm of required length, and other end of angle hanger being fixed with nut and bolts to G.I. channels 45x15x0.9mm running at the rate of 1200mm centre to centre to which the ceiling section 0.5mm thick botton wedge of 80mm with tapered flanges of 26mm each having clips of 10.5mm at 450mm centre to centre shall be fixed in a direction perpendicular to G.I. channel with connecting clips made out of 2.64mm diax230mm long G.I. wire at every junction including fixing the PVC rigid foam sheet with ceiling section and perimeter channels 0.5mm thick 27mm high having fla</p>	615.25	Rupees Six Hundred Fifteen and Paise Twenty Five Only	1	sqm

12.83	Providing and fixing to the inlet mouth of rain water pipe PTMT (an Engineering Thermoplastic) grating square (Slit) 150mm square with a height of 8mm and weighing not less than 100gms (Prayag or equivalent)	80.75	Rupees Eighty and Paise Seventy Five Only	1	each
12.84	Providing and fixing 15mm thick USG - Radar Mineral Fibre False Ceiling Tiles or equivalent of size 600x600 mm in true horizontal level suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanized @ 170 gsm/sqm.) consisting of main "T" runner suitably spaced at joints to get required length and of size 24x38mm made from 0.30mm thick (minimum) sheet spaced at 1200mm center to center and cross "T" of size 24x25mm made of 0.30mm thick (minium) sheet, 1200mm long spaced between main "T" at 600mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600mm and size 24x25mm made of 0.30 mm thick (minium) sheet to be interlocked at middle of the 1200x600mm panel to form grids of 600x600mm and laying 15mm thick mineral fibre false ceiling tiles of approved texture in the grid including, wherever, required, cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats fixed to ceiling with 6 mm dia and 50mm	633.60	Rupees Six Hundred Thirty Three and Paise Sixty Only	1	sqm
	FINISHING				
13.8	12 mm cement plaster of mix :				
13.8.2	1:4 (1 cement : 4 fine sand)	49.40	Rupees Forty Nine and Paise Forty Only	1	sqm
13.8.4	1:6 (1 cement : 6 fine sand)	44.00	Rupees Forty Four and Paise Zero Only	1	sqm
13.9	15 mm cement plaster on the rough side of single or half brick wall of mix :				
13.9.2	1:4 (1 cement : 4 fine sand)	57.45	Rupees Fifty Seven and Paise Forty Five Only	1	sqm
13.9.4	1:6 (1 cement : 6 fine sand)	51.00	Rupees Fifty One and Paise Zero Only	1	sqm
13.10	20 mm cement plaster of mix :			1	sqm
13.10.2	1:4 (1 cement : 4 fine sand)	69.80	Rupees Sixty Nine and Paise Eighty Only	1	sqm

13.10.4	1:6 (1 cement : 6 fine sand)	61.35	Rupees Sixty One and Paise Thirty Five Only	1	sqm
13.11	12 mm cement plaster of mix :				
13.11.2	1:4 (1 cement : 4 coarse sand)	52.00	Rupees Fifty Two and Paise Zero Only	1	sqm
13.11.4	1:6 (1 cement : 6 coarse sand)	46.60	Rupees Forty Six and Paise Sixty Only	1	sqm
13.12	15 mm cement plaster on rough side of single or half brick wall of mix :				
13.12.2	1:4 (1 cement : 4 coarse sand)	60.60	Rupees Sixty and Paise Sixty Only	1	sqm
13.12.4	1:6 (1 cement : 6 coarse sand)	54.15	Rupees Fifty Four and Paise Fifteen Only	1	sqm
13.13	20 mm cement plaster of mix :				
13.13.2	1:4 (1 cement : 4 coarse sand)	73.90	Rupees Seventy Three and Paise Ninety Only	1	sqm
13.13.4	1:6 (1 cement : 6 coarse sand)	65.45	Rupees Sixty Five and Paise Forty Five Only	1	sqm
13.14	12 mm cement plaster finished with a floating coat of neat cement of mix :				
13.14.1	1:3 (1 cement : 3 fine sand)	67.55	Rupees Sixty Seven and Paise Fifty Five Only	1	sqm
13.14.2	1:4 (1 cement : 4 fine sand)	62.10	Rupees Sixty Two and Paise Ten Only	1	sqm
13.15	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix :				
13.15.1	1:3 (1 cement : 3 fine sand)	76.65	Rupees Seventy Six and Paise Sixty Five Only	1	sqm
13.15.2	1:4 (1 cement : 4 fine sand)	70.20	Rupees Seventy and Paise Twenty Only	1	sqm
13.16	20mm cement plaster finished with a floating coat of neat cement of mix :				
13.16.1	1:3 (1 cement : 3 fine sand)	90.95	Rupees Ninety and Paise Ninety Five Only	1	sqm
13.16.2	1:4 (1 cement : 4 fine sand)	82.50	Rupees Eighty Two and Paise Fifty Only	1	sqm

13.17	12mm cement plaster 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement	70.15	Rupees Seventy and Paise Fifteen Only	1	sqm
13.18	15mm cement plaster 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement on the rough side of single or half brick wall.	79.80	Rupees Seventy Nine and Paise Eighty Only	1	sqm
13.19	18mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6mm thick cement plaster 1:6 (1 cement : 6 fine sand)	71.45	Rupees Seventy One and Paise Forty Five Only	1	sqm
13.20	18mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge.	78.15	Rupees Seventy Eight and Paise Fifteen Only	1	sqm
13.21	12mm cement plaster 1:2 (1 cement : 2 stone dust)	65.70	Rupees Sixty Five and Paise Seventy Only	1	sqm
13.22	15mm cement plaster 1:2 (1 cement : 2 stone dust) on the roughside of single or half brick wall.	76.95	Rupees Seventy Six and Paise Ninety Five Only	1	sqm
13.23	20mm cement plaster 1:2 (1 cement : 2 stone dust)	95.20	Rupees Ninety Five and Paise Twenty Only	1	sqm
13.24	6mm cement plaster to ceiling of mix:				
13.24.1	1:3 (1 cement : 3 fine sand)	40.00	Rupees Forty and Paise Zero Only	1	sqm
13.25	6mm cement plaster 1:3 (1 cement : 3 fine sand) finished with a floating coat of neat cement and thick coat of Lime wash on top of walls when dry for bearing of R.C.C. slabs and beams.	54.80	Rupees Fifty Four and Paise Eighty Only	1	sqm
13.26	Neat cement punning	13.30	Rupees Thirteen and Paise Thirty Only	1	sqm
13.27	12 mm cement lime plaster of mix :				
13.27.1	1:1:6 (1 cement : 1 lime putty : 6 fine sand)	49.60	Rupees Forty Nine and Paise Sixty Only	1	sqm
13.27.4	1:2:9 (1 cement : 2 lime putty : 9 fine sand)	47.70	Rupees Forty Seven and Paise Seventy Only	1	sqm
13.28	15 mm cement lime plaster on rough side of single or half brick wall of mix :				
13.28.1	1:1:6 (1 cement : 1 lime putty : 6 fine sand)	57.65	Rupees Fifty Seven and Paise Sixty Five Only	1	sqm

13.30	Rough cast plaster upto 10m height above ground level with a mixture of sand and gravel or crushed stone from 6mm to 10mm nominal size dashed over and including the fresh plaster in two layers, under layer 12mm cement plaster 1:4 (1 cement : 4 coarse sand) and top layer 10mm cement plaster 1:3 (1 cement : 3 fine sand) mixed with 10% finely grounded hydrated lime by volume of cement.				
13.30.1	Ordinary cement finish using ordinary cement	126.05	Rupees One Hundred Twenty Six and Paise Five Only	1	sqm
13.32	Pebble dash plaster upto 10m height above ground level with a mixture of washed pebble or crushed stone 6mm to 12.5mm nominal size dashed over and including fresh plaster in two layers under layer 12mm cement plaster 1:4 (1 cement : 4 coarse sand) and top layer 10mm cement plaster with cement mortar 1:3 (1 cement : 3 fine sand)	120.15	Rupees One Hundred Twenty and Paise Fifteen Only	1	sqm
13.36	Extra for providing and mixing water proofing material 'Impermo' of M/s Snowcem India Ltd., or equivalent in cement plaster work in proportion recommended by the manufacturers:				
13.36.1	12 mm cement plaster 1:3 (1 cement : 3 sand)	2.95	Rupees Two and Paise Ninety Five Only	1	sqm
13.36.2	12 mm cement plaster 1:4 (1 cement : 4 sand)	2.25	Rupees Two and Paise Twenty Five Only	1	sqm
13.36.3	15 mm cement plaster 1:3 (1 cement : 3 sand)	3.50	Rupees Three and Paise Fifty Only	1	sqm
13.36.4	15 mm cement plaster 1:4 (1 cement : 4 sand)	2.60	Rupees Two and Paise Sixty Only	1	sqm
13.36.5	20 mm cement plaster 1:3 (1 cement : 3 sand)	4.55	Rupees Four and Paise Fifty Five Only	1	sqm
13.36.6	20 mm cement plaster 1:4 (1 cement : 4 sand)	3.35	Rupees Three and Paise Thirty Five Only	1	sqm
13.37	Extra for plastering exterior walls of height more than 10m from ground level for every additional height of 3m or part thereof	11.20	Rupees Eleven and Paise Twenty Only	1	sqm
13.38	Extra for plastering on circular work not exceeding 6 m in radius:			1	sqm
13.38.1	In one coat	5.25	Rupees Five and Paise Twenty Five Only	1	sqm
13.38.2	In two coats	8.05	Rupees Eight and Paise Five Only	1	sqm

13.39	Extra for plastering done on moulding cornices or architraves including neat finish to line and level:				
13.39.1	In one coat	74.70	Rupees Seventy Four and Paise Seventy Only	1	sqm
13.39.2	In two coats	122.90	Rupees One Hundred Twenty Two and Paise Ninety Only	1	sqm
13.4	Extra for plastering :				
13.40.1	Spherical ceiling	19.55	Rupees Nineteen and Paise Fifty Five Only	1	sqm
13.40.2	Groined ceiling	21.35	Rupees Twenty One and Paise Thirty Five Only	1	sqm
13.40.3	Flewing soffits	12.80	Rupees Twelve and Paise Eighty Only	1	sqm
13.40A	Providing and applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete	33.90	Rupees Thirty Three and Paise Ninety Only	1	sqm
13.41	18mm plastering upto 10 M. height above ground level with terrazo finish rubbed and polished complete, under layer 12mm thick cement plaster 1:3 (1 cement : 3 coarse sand) and top layer 6mm thick white, black, chocolate, grey, yellow or Baroda green marble chips of 3mm and down size laid in cement marble powder mix 3:1 (3 cement:1 marble powder) by weight in proportion 4:7 (4 cement marble powder mix : 7 marble chips) by volume.	224.75	Rupees Two Hundred Twenty Four and Paise Seventy Five Only	1	sqm
13.43	Extra if white cement is used instead of ordinary cement in top layer of 18 mm thick plastering with terrazo finish	24.00	Rupees Twenty Four and Paise Zero Only	1	sqm
13.44	Extra if colour is added to grey or white cement in top layer of 18 mm plastering with terrazo finish:				
13.44.1	Red, Chocolate, Orange or buff (yellow) colour	34.20	Rupees Thirty Four and Paise Twenty Only	1	sqm
13.44.2	Black colour	20.50	Rupees Twenty and Paise Fifty Only	1	sqm
13.44.3	Blue or green colour	27.55	Rupees Twenty Seven and Paise Fifty Five Only	1	sqm
13.45	Extra for 18 mm thick terrazo finish marble chips plastering in circular work not exceeding 6 metre radius	12.80	Rupees Twelve and Paise Eighty Only	1	sqm

13.47	18mm thick artificial red stone plaster consisting of 12mm under coat of cement plaster 1:4 (1 cement : 4coarse sand) with 6mm thick finishing coat of cement mortar 1:1:3 (1 cement marble dust : 3stone dust) mixed with red oxide to match the shade of red stone	140.35	Rupees One Hundred Forty and Paise Thirty Five Only	1	sqm
13.48	Extra for lining out plaster to imitate stone or concrete blocks walling	11.95	Rupees Eleven and Paise Ninety Five Only	1	sqm
13.50	12 mm thick plain cement mortar bands in cement mortar 1:4(1 cement : 4 fine sand)				
13.50.1	Flush Band	0.90	Zero Rupee and Paise Ninety Only	1	cm/m
13.50.2	Sunk Band	1.00	Rupees One and Paise Zero Only	1	cm/m
13.50.3	Raised Band	1.10	Rupees One and Paise Ten Only	1	cm/m
13.50.4	Moulded Band	1.80	Rupees One and Paise Eighty Only	1	cm/m
13.51	18 mm thick plain cement mortar band in cement mortar 1:4 (1 cement : 4 fine sand):				
13.51.1	Flush Band	1.15	Rupees One and Paise Fifteen Only	1	cm/m
13.51.2	Sunk Band	1.25	Rupees One and Paise Twenty Five Only	1	cm/m
13.51.3	Raised Band	1.40	Rupees One and Paise Forty Only	1	cm/m
13.51.4	Moulded Band	2.45	Rupees Two and Paise Forty Five Only	1	cm/m
13.52	18mm thick moulded cement mortar band in two coats under layer 12mm thick with cement mortar 1:5 (1 cement : 5 coarse sand) top layer 6mm thick with cement mortar 1:4 (1 cement : 4 fine sand)	2.45	Rupees Two and Paise Forty Five Only	1	cm/m
13.56	Pointing on brick work with cement mortar 1:3 (1 cement : 3 fine sand):				
13.56.1	Flush pointing	30.30	Rupees Thirty and Paise Thirty Only	1	sqm
13.56.2	Ruled pointing	32.20	Rupees Thirty Two and Paise Twenty Only	1	sqm
13.56.3	Struck or weatherd pointing	39.10	Rupees Thirty Nine and Paise Ten Only	1	sqm
13.56.4	Raised and cut pointing	49.15	Rupees Forty Nine and Paise Fifteen Only	1	sqm

13.57	Pointing on brick flooring with cement mortar 1:3 (1 cement ;3 fine sand):				
13.57.1	Flush pointing	25.20	Rupees Twenty Five and Paise Twenty Only	1	sqm
13.57.2	Ruled pointing	26.75	Rupees Twenty Six and Paise Seventy Five Only	1	sqm
13.58	Pointing on brick flooring with cement mortar 1:4 (1 cement : 4 fine sand):				
13.58.1	Flush pointing	24.45	Rupees Twenty Four and Paise Forty Five Only	1	sqm
13.58.2	Ruled pointing	26.00	Rupees Twenty Six and Paise Zero Only	1	sqm
13.61	Pointing on tile brick work with cement lime mortar 1:1:3 (1 cement : 1 lime putty : 3 fine sand) with an admixture of red oxide to match the shade of tile brick work :				
13.61.1	Flush pointing	41.50	Rupees Forty One and Paise Fifty Only	1	sqm
13.61.2	Ruled pointing	44.50	Rupees Forty Four and Paise Fifty Only	1	sqm
13.63	Pointing on tile brick work with cement mortar 1:3 (1 cement :3 fine sand):				
13.63.1	Flush pointing	41.65	Rupees Forty One and Paise Sixty Five Only	1	sqm
13.63.2	Ruled pointing	43.35	Rupees Forty Three and Paise Thirty Five Only	1	sqm
13.63.3	Struck or weatherd pointing	50.10	Rupees Fifty and Paise Ten Only	1	sqm
13.64	Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand):				
13.64.1	Flush pointing	42.65	Rupees Forty Two and Paise Sixty Five Only	1	sqm
13.64.2	Ruled pointing	45.65	Rupees Forty Five and Paise Sixty Five Only	1	sqm
13.64.3	Raised and cut pointing	77.10	Rupees Seventy Seven and Paise Ten Only	1	sqm
13.65	Raised and cut pointing on stone work in white cement mortar 1:3 (1 white cement : 3 marble dust)	90.85	Rupees Ninety and Paise Eighty Five Only	1	sqm

13.68	Pointing on stone slab ceiling with cement mortar 1:2 (1 cement : 2 fine sand):				
13.68.1	Flush pointing	24.55	Rupees Twenty Four and Paise Fifty Five Only	1	sqm
13.68.2	Ruled pointing	26.00	Rupees Twenty Six and Paise Zero Only	1	sqm
13.69	Extra for pointing on walls on the outside at height more than 10m from ground level for every additional height of 3m or part thereof sqm	1.90	Rupees One and Paise Ninety Only	1	sqm
13.70	White washing with lime to give an even shade:				
13.70.1	New work (three or more coats)	4.65	Rupees Four and Paise Sixty Five Only	1	sqm
13.71	Satna lime wash on walls one coat	1.85	Rupees One and Paise Eighty Five Only	1	sqm
13.73	Colour washing such as green, blue or buff to give an even shade				
13.73.1	New work (two or more coats) with a base coat of white washing with lime]	6.30	Rupees Six and Paise Thirty Only	1	sqm
13.73.2	New work (two or more coats) with a base coat of whitening	6.20	Rupees Six and Paise Twenty Only	1	sqm
13.75	Distempering with dry distemper of approved brand and manufacture (two or more coats) and of required shade on new work, over and including priming coat of whitening to give an even shade.	19.05	Rupees Nineteen and Paise Five Only	1	sqm
13.77	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade				
13.77.2	New work (two or more coats) over and including priming coat with cement primer	29.70	Rupees Twenty Nine and Paise Seventy Only	1	sqm
13.77A	Distempering with 1st quality acrylic washable distemper (ready made) of approved manufacturer and of required shade and colour complete. as per manufacturer's specification.				
13.77A.1	a) Two or more coats on new work	16.20	Rupees Sixteen and Paise Twenty Only	1	sqm
13.77A.2	b) One or more coats on old work	9.50	Rupees Nine and Paise Fifty Only	1	sqm
13.78	Applying one coat of cement primer of approved brand and manufacture on wall surface :				
13.78.1	Cement primer	12.70	Rupees Twelve and Paise Seventy Only	1	sqm

13.79	Finishing walls with water proofing cement paint "Snowcem - Plus" of M/s Snowcem India Ltd., or equivalent of required shade :				
13.79.1	New work (Two or more coats applied @ 3.84 kg/10 sqm)	23.10	Rupees Twenty Three and Paise Ten Only	1	sqm
13.79.2	Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of "Cemprover" primer of Snowcem or equivalent applied @ 0.80 litrs/10 sqm complete including cost of Priming coat	21.45	Rupees Twenty One and Paise Forty Five Only	1	sqm
13.79A	Finishing walls with textured exterior paint "Sandtex Matt" of M/s Snowcem India Ltd., or equivalent of required shade				
13.79A.1	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including base coat of water proofing cement paint "Snowcem Plus" or equivalent applied @2.20kg/10 sq	80.00	Rupees Eighty and Paise Zero Only	1	sqm
13.79A.2	Old work (Two or more coats on existing cement paint surface applied @ 3.28 ltr/10 sqm	69.70	Rupees Sixty Nine and Paise Seventy Only	1	sqm
13.79A.3	Old work (One or more coats) applied @ 1.82 ltr/10 sqm	40.45	Rupees Forty and Paise Forty Five Only	1	sqm
13.79B	Finishing walls with Acrylic Smooth exterior paint "Trump" of M/s Snowcem India Ltd or equivalent of required shade				
13.79B.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including base coat of water proofing cement paint Snowcem Plus or equivalent applied @2.20kg/sqm)	40.85	Rupees Forty and Paise Eighty Five Only	1	sqm
13.79B.2	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface)	30.50	Rupees Thirty and Paise Fifty Only	1	sqm
13.79B.3	Old work (One or more coat applied @ 0.90 ltr/10 sqm)	18.40	Rupees Eighteen and Paise Forty Only	1	sqm
13.79C	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives "Snowcryl - XT" of M/s Snowcem India Ltd., or equivalent of required shade				
13.79C.1	New work (Two or more coats applied @ 1.43 ltr/ 10 sqm. over and including base coat 1.43 ltr/ 10 sqm. over and including base coat or equivalent applied @ 2.20 kg/ 10 sqm)	49.05	Rupees Forty Nine and Paise Five Only	1	sqm
13.79C.2	Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing cement paint surface	38.70	Rupees Thirty Eight and Paise Seventy Only	1	sqm
13.79C.3	Old work (one or more coats applied @ 0.83 ltr/10 sqm)	24.10	Rupees Twenty Four and Paise Ten Only	1	sqm

13.79D	Finishing walls with Delux Multi surface paint system "Uni-Glosss" of M/s Snowcem India Ltd., or equivalent for interiors and exteriors using Primer as per manufacturers specifications				
13.79D.1	Two or more coats applied @ 1.25 ltr/10 sqm. Over and including one coat of Special primer C-W applied @ 0.75 ltr / 10 sqm	51.70	Rupees Fifty One and Paise Seventy Only	1	sqm
13.79D.2	Painting wood work with Delux Multi Surface Paint "Uni-Glosss" of M/s Snowcem India Ltd., or equivalent of required shade. Two or more coat applied @0.90 ltr/10 sqm over an under coat of primer C-W or equivalent, applied @0.75 ltr/ 10 sqm of appro	42.30	Rupees Forty Two and Paise Thirty Only	1	sqm
13.79D.3	Painting Steel work with Delux Multi Surface Paint "Uni-Glosss" of M/s Snowcem India Ltd., or equivalent to give an even shade . Two or more coat applied @0.90ltr/10sqm over an under coat pf primer UG or equivalent,applied @0.80ltr/10sqm of approved bran	44.00	Rupees Forty Four and Paise Zero Only	1	sqm
13.80	Extra for applying Snowcem Plus as Primer applied @ 2.2 kg/ 10 sqm instead of C.W. primer for exterior finishg in Item No.	1.40	Rupees One and Paise Forty Only	1	sqm
13.81	Applying priming coat :				
13.81.1	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	11.75	Rupees Eleven and Paise Seventy Five Only	1	sqm
13.81.2	With ready mixed aluminium primer of approved brand	11.60	Rupees Eleven and Paise Sixty Only	1	sqm
13.81.3	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works	8.75	Rupees Eight and Paise Seventy Five Only	1	sqm
13.81.4	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel work (second coat)	4.90	Rupees Four and Paise Ninety Only	1	sqm
13.82A	Painting one thin coat with white lead of approved brand and manufacture on wet or patchy portion of plastered surfaces	15.90	Rupees Fifteen and Paise Ninety Only	1	sqm
13.82B	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.				
13.82B.1	On steel work	55.10	Rupees Fifty Five and Paise Ten Only	1	sqm
13.82B.2	On concrete work	57.25	Rupees Fifty Seven and Paise Twenty Five Only	1	sqm
13.83	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				

13.83.1	New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution	27.15	Rupees Twenty Seven and Paise Fifteen Only	1	sqm
13.83A	Applying a coat of mordant solution on G.S. sheet :				
13.83A.1	With a solution of 38 gms of copper acetate in a litre of soft water	7.80	Rupees Seven and Paise Eighty Only	1	sqm
13.83A.2	With a solution made of 13 gms of hydrochloric acid in a solution of 13 gms each of copper chloride, copper nitrate and ammonium chloride dissolved in a litre of soft water.	7.75	Rupees Seven and Paise Seventy Five Only	1	sqm
13.84	Painting (one 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 :				
13.84.3	100mm diameter pipes	10.30	Rupees Ten and Paise Thirty Only	1	metre
13.84.4	150 mm diameter pipes	15.35	Rupees Fifteen and Paise Thirty Five Only	1	metre
13.85	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 :				
13.85.3	100 mm diameter pipes	4.80	Rupees Four and Paise Eighty Only	1	metre
13.85.4	150 mm diameter pipes	6.85	Rupees Six and Paise Eighty Five Only	1	metre
13.86	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 over a priming coat of approved steel primer on new work.				
13.86.3	100 mm diameter pipes	11.20	Rupees Eleven and Paise Twenty Only	1	metre
13.86.4	150 mm diameter pipes	16.75	Rupees Sixteen and Paise Seventy Five Only	1	metre
13.88	Painting with oil type wood preservative of approved brand and manufacture:				
13.88.1	New work (two or more coats)	9.00	Rupees Nine and Paise Zero Only	1	sqm

13.88A	Providing and applying two coats of fire retardent paint FR 881 unthinned on cleaned wood/ply surface @ 3.5 sqm per litre per coat including preparation of base surface as per recommendations of manufacturer to make the surface fire retardant.	168.50	Rupees One Hundred Sixty Eight and Paise Fifty Only	1	sqm
13.89	Coal tarring two coats on new work using 0.16 and 0.12 litre coal tar per sqm in the first coat and second coat respectively	9.95	Rupees Nine and Paise Ninety Five Only	1	sqm
13.92	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:				
13.92.1	Two or more coats on new work	30.80	Rupees Thirty and Paise Eighty Only	1	sqm
13.93	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
13.93.1	Two or more coats on new work	24.25	Rupees Twenty Four and Paise Twenty Five Only	1	sqm
13.94	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:				
13.94.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	37.35	Rupees Thirty Seven and Paise Thirty Five Only	1	sqm
13.95	Painting with aluminium paint of approved brand and manufacture to give an even shade .				
13.95.1	Two or more coats on new work	20.20	Rupees Twenty and Paise Twenty Only	1	sqm
13.96	Painting with acid proof paint of approved brand and manufacture of required colour to give an even shade:				
13.96.1	Two or more coats on new work.	23.40	Rupees Twenty Three and Paise Forty Only	1	sqm
13.97	Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade:				
13.97.1	Two or more coats on new work.	17.45	Rupees Seventeen and Paise Forty Five Only	1	sqm
13.98	Floor painting with floor enamel paint of approved brand and manufacture of required colour to give an even shade:				
13.98.1	Two or more coats on new work.	26.85	Rupees Twenty Six and Paise Eighty Five Only	1	sqm
13.100	Varnishing with varnish of approved brand and manufacture:				

13.100.1	Two or more coats of glue sizing with copal varnish over an under coat of flatting varnish.	33.40	Rupees Thirty Three and Paise Forty Only	1	sqm
13.100.3	One or more coats with copal varnish.	14.35	Rupees Fourteen and Paise Thirty Five Only	1	sqm
13.100.4	Two or more coats glue sizing with spar varnish or an under coat of flatting varnish.	34.70	Rupees Thirty Four and Paise Seventy Only	1	sqm
13.100.6	One or more coats with spar varnish.	15.10	Rupees Fifteen and Paise Ten Only	1	sqm
13.101	French spirit polishing :				
13.101.1	Two or more coats on new works including a coat of wood filler.	51.80	Rupees Fifty One and Paise Eighty Only	1	sqm
13.104	Polishing on wood work with ready made wax polish of approved brand and manufacture:				
13.104.1	New work	26.10	Rupees Twenty Six and Paise Ten Only	1	sqm
13.104A	Melamine polishing on wood work (one or more coat).	32.80	Rupees Thirty Two and Paise Eighty Only	1	sqm
13.105	Floor polishing on masonry or concrete floors with wax polish of approved brand and manufacture.	11.40	Rupees Eleven and Paise Forty Only	1	sqm
13.106	Lettering with black Japan paint of approved brand and manufacture	0.65	Zero Rupee and Paise Sixty Five Only	1	sqm
13.108	Varnishing with flatting varnish of approved brand and manufacture one or more coats on old work.	12.50	Rupees Twelve and Paise Fifty Only	1	sqm
13.112	Washed stone grit plaster on exterior walls of height upto 10 M. above level in two layers,under layer 12mm cement plaster 1:4 (1 cement : 4 coarse sand) furrowing the under layer with scratching tool,applying cement slurry on the under layer @ 2 Kg of cement per square metre, top layer 15mm cement plaster 1:1/2:2 (1 cement : 1/2 coarse sand : 2 stone chipping 10mm nominal size) in panels with groove all around as per approved pattern including scrubbing and washing, the top layer with brushes and water to expose the stone chippings ,complete as per specification and direction of Engineer-in - charge (Payment for providing grooves shall be made separately)	169.25	Rupees One Hundred Sixty Nine and Paise Twenty Five Only	1	sqm

13.113	Forming groove of uniform size in the top layer of washed stone grit plaster as per approved pattern using wooden battens,nailed to the under layer including removal of wooden battens,repair to the edges of panels and finishing the groove complete as per specifications and direction of the Engineer-in-charge.				
13.113.1	15 mm wide and 15 mm deep groove	9.50	Rupees Nine and Paise Fifty Only	1	sqm
13.113.2	20 mm wide and 15 mm deep groove	9.80	Rupees Nine and Paise Eighty Only	1	sqm
13.114	Extra for washed grit plaster on exterior walls of height more than 10m from ground level for every additional height of 3m or part thereof	26.40	Rupees Twenty Six and Paise Forty Only	1	sqm
13.115	Extra for washed stone grit plaster on circular work not exceeding 6m in radius (in two coats).	16.20	Rupees Sixteen and Paise Twenty Only	1	sqm
13.116	Forming groove of uniform size from 12x12mm and upto 25x15mm in plastered surface as per approved pattern using wooden battens,nailed to the under layer including removal of wooden battens, repairs to the edges of plaster panel and finishing the groove complete as per specifications and direction of the Engineer-in-Charge.	9.50	Rupees Nine and Paise Fifty Only	1	sqm
13.117	Extra for using white cement in place of ordinary cement in the top layer of the item of washed stone grit plaster	60.00	Rupees Sixty and Paise Zero Only	1	sqm
REPAIRS TO BUILDING					
14.1	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				
14.1.1	With cement mortar 1:4 (1 cement : 4 fine sand)	73.80	Rupees Seventy Three and Paise Eighty Only	1	sqm
14.1.2	With cement mortar 1:4(1cement :4 coarse sand)	77.15	Rupees Seventy Seven and Paise Fifteen Only	1	sqm

14.2	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 nominaal size)painting two coats of coal tar to sides of chaukhats and making good the damages to walls and floors as required complete including disposal of rubbish to the dumping ground within 50 metres lead				
14.2.1	Door chowkhats	232.50	Rupees Two Hundred Thirty Two and Paise Fifty Only	1	each
14.2.2	Window chowkhats	141.50	Rupees One Hundred Forty One and Paise Fifty Only	1	each
14.2.3	Clerestory window chowkhats	101.75	Rupees One Hundred One and Paise Seventy Five Only	1	each
14.3	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 stone aggregate 20 mm nominal size) painting two coats of coal tar to siddes of chaukhats and making good the walls andfloors complete to match the existing surface:				
14.3.1	For door	311.75	Rupees Three Hundred Eleven and Paise Seventy Five Only	1	each
14.3.2	For window	201.90	Rupees Two Hundred One and Paise Ninety Only	1	each
14.3.3	For clerestory window	128.05	Rupees One Hundred Twenty Eight and Paise Five Only	1	each
14.4	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:				
14.4.1	2nd class teak wood cleats with brass hinges and screws	26.55	Rupees Twenty Six and Paise Fifty Five Only	1	each
14.4.5	2nd class teak wood cleats with iron hinges and screws	19.90	Rupees Nineteen and Paise Ninety Only	1	each
14.5	Renewing glass panes, with putty and nails wherever necessary:				

14.5.2	Glass panes weighing 10 kg/sqm	329.50	Rupees Three Hundred Twenty Nine and Paise Fifty Only	1	sqm
14.5.3	Glass panes weighing 13.75 kg/sqm	440.70	Rupees Four Hundred Forty and Paise Seventy Only	1	sqm
14.6	Renewing glass panes, with wooden fillets wherever necessary:				
14.6.2	Glass panes weighing 10 kg/sqm	384.85	Rupees Three Hundred Eighty Four and Paise Eighty Five Only	1	sqm
14.6.3	Glass panes weighing 13.75 kg/sqm	496.05	Rupees Four Hundred Ninety Six and Paise Five Only	1	sqm
14.7	Renewing glass panes and refixing existing wooden fillets:				
14.7.2	Glass panes weighing 10 kg/sqm	336.80	Rupees Three Hundred Thirty Six and Paise Eighty Only	1	sqm
14.7.3	Glass panes weighing 13.75 kg/sqm	448.00	Rupees Four Hundred Forty Eight and Paise Zero Only	1	sqm
14.8	Supplying and fixing new wooden fillets wherever necessary:				
14.8.1	2nd class teak wood fillets	11.95	Rupees Eleven and Paise Ninety Five Only	1	metre
14.8.3	Hollock wood fillets	9.90	Rupees Nine and Paise Ninety Only	1	metre
14.9	Renewal of old putty of glass panes (length)	6.70	Rupees Six and Paise Seventy Only	1	metre
14.10	Refixing old glass panes with putty and nails	87.00	Rupees Eighty Seven and Paise Zero Only	1	sqm
14.11	Fixing old glass panes with wooden fillets (excluding cost of fillets)	71.45	Rupees Seventy One and Paise Forty Five Only	1	sqm
14.12	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.	72.45	Rupees Seventy Two and Paise Forty Five Only	1	each
14.13	Regrading terracing of mud phaska covered with tiles or brick, in cement by dismantling tiles or bricks, removing mud plaster preparing the surface of mud phaska to proper slope relaying plaster gobri leaping and tiles or bricks, grouted in cement mortar 1:3 (1 cement:3 fine sand) including replacing unserviceable tiles or bricks with new ones and disposal of unserviceable material to the dumping ground (the cost of the new tiles or brick excluded) within 50 metres lead	79.10	Rupees Seventy Nine and Paise Ten Only	1	sqm

14.14	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 :				
14.14.1	Red sand stone slabs 30 to 40 mm thick	198.35	Rupees One Hundred Ninety Eight and Paise Thirty Five Only	1	sqm
14.14.2	Red sand stone slabs 45 mm thick	237.80	Rupees Two Hundred Thirty Seven and Paise Eighty Only	1	sqm
14.14.3	Red stone slabs 50 mm thick	246.90	Rupees Two Hundred Forty Six and Paise Ninety Only	1	sqm
14.14.4	White sand stone slabs 30 to 40 mm thick	222.75	Rupees Two Hundred Twenty Two and Paise Seventy Five Only	1	sqm
14.14.5	White sand stone slabs 45 mm thick	268.40	Rupees Two Hundred Sixty Eight and Paise Forty Only	1	sqm
14.14.6	White sand stone slabs 50 mm thick	277.45	Rupees Two Hundred Seventy Seven and Paise Forty Five Only	1	sqm
14.18	Renewing wooden battens in roofs,including making good the holes in wall and painting with oil type wood preservative of approved brand and manufacture complete including removal of rubbish to the dumping ground within 50 metres lead :				
14.18.1	Sal wood battens	22476.20	Rupees Twenty Two Thousand Four Hundred Seventy Six and Paise Twenty Only	1	cum
14.19	Renewing wooden beams in roofs including making good the holes in walls and painting with oil type wood preservative of approved brand and manufacture complete including removal of rubbish to the dumping ground within 50 metres lead:				
14.19.1	Not exceeding 4.00 metres in length.				
14.19.1.1	Sal wood beams	23146.20	Rupees Twenty Three Thousand One Hundred Forty Six and Paise Twenty Only	1	cum
14.19.1.4	Hollock wood beams	21429.00	Rupees Twenty One Thousand Four Hundred Twenty Nine and Paise Zero Only	1	cum
14.19.2	Above 4.00 metres and upto 5.00 metres length.				

14.19.2.1	Sal wood beams	23444.10	Rupees Twenty Three Thousand Four Hundred Forty Four and Paise Ten Only	1	cum
14.19.2.4	Hollock wood beams	21723.70	Rupees Twenty One Thousand Seven Hundred Twenty Three and Paise Seventy Only	1	cum
14.20	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 stone aggregate 40 mm nominal size) including necessary excavation, cement concrete foundation and painting two coats with oil type preservative of approved brand and manufacture complete including disposal of rubbish to the dumping ground within 50 metre lead	223.50	Rupees Two Hundred Twenty Three and Paise Fifty Only	1	each
14.21	Raking out joints in lime or cement mortar and preparing the surface for repainting or replastering including disposal of rubbish to the dumping ground within 50 metres lead	7.20	Rupees Seven and Paise Twenty Only	1	sqm
14.27	Extra for making opening or recesses in A.C. corrugated/semi corrugated sheet roofing of girth not more than 1 metre:				
14.27.1	Those not exceeding 100 square centimetres in area	10.05	Rupees Ten and Paise Five Only	1	each
14.27.2	Those exceeding 100 square centimetres but not exceeding 400 square centimetres in area	19.35	Rupees Nineteen and Paise Thirty Five Only	1	each
14.27.3	Those exceeding 400 square centimetres in area	27.95	Rupees Twenty Seven and Paise Ninety Five Only	1	each
14.28	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:				
14.28.1	With F.P.S. brick tiles	16.50	Rupees Sixteen and Paise Fifty Only	1	sqm
14.28.2	With modular brick tiles	16.90	Rupees Sixteen and Paise Ninety Only	1	sqm
14.29	Taking out wind ties from roof including cutting out rusted bolts, nuts etc. and removing materials to any distance within compound and stacking.	0.55	Zero Rupee and Paise Fifty Five Only	1	kg.

14.30	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.	19.85	Rupees Nineteen and Paise Eighty Five Only	1	metre
14.31	Renewing bottom rail and / or top runner of collapsible gate including making good all damages and applying priming coat of zinc chromate yellow primer of approved brand and manufacturer.	45.00	Rupees Forty Five and Paise Zero Only	1	kg.
14.32	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.				
14.32.1	Wheel 50 mm dia. and below.	72.20	Rupees Seventy Two and Paise Twenty Only	1	per wheel
14.32.2	Wheel above 50 mm dia.	95.00	Rupees Ninety Five and Paise Zero Only	1	per wheel
14.33		26.60	Rupees Twenty Six and Paise Sixty Only	1	kilolitre
-2.25	* Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.				
	* Note for item no. 14.33:- This pertains to only such pumping of water as is envisaged at the time of tendering and do not include those that need be covered under contractual risk.				
14.34	Mud mortar	104.80	Rupees One Hundred Four and Paise Eighty Only	1	cum
-2131					
14.35	Brick work with bricks of class designation 75 in mud mortar	1085.90	Rupees One Thousand Eighty Five and Paise Ninety Only	1	cum
-6.2					
14.39	Providing and fixing 25 mm thick shutters for cup board etc.				
-9.1	Panelled or panelled & glazed shutters :				
9.10.1	Superior class teak wood including nickel plated bright finished M.S. piano hinges with necessary screws				
9.10.1.1		1949.35	Rupees One Thousand Nine Hundred Forty Nine and Paise Thirty Five Only	1	sqm

9.10.1.2	Ist class teak wood including nickel plated bright finished M.S. piano hinges with necessary screws	1208.65	Rupees One Thousand Two Hundred Eight and Paise Sixty Five Only	1	sqm
9.10.2	Glazed shutters :				
9.10.2.1	Superior class teak wood including nickel plated bright finished M.S. piano hinges with necessary screws	2056.10	Rupees Two Thousand Fifty Six and Paise Ten Only	1	sqm
9.10.2.2	Ist class teak wood including nickel plated bright inished M.S. piano hinges with necessary screws finished M.S. piano hinges with necessary screws	1259.85	Rupees One Thousand Two Hundred Fifty Nine and Paise Eighty Five Only	1	sqm
14.4 (9.68)	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 separtely) including fixing 50x12mm beading complete with				
9.68.1	Second class teak wood	1169.85	Rupees One Thousand One Hundred Sixty Nine and Paise Eighty Five Only	1	sqm
14.41(-9.78)	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.				
9.78.1	12 mm diametre	88.45	Rupees Eighty Eight and Paise Forty Five Only	1	metre
9.78.2	20 mm diametre	94.00	Rupees Ninety Four and Paise Zero Only	1	metre
9.78.3	25 mm diametre	110.70	Rupees One Hundred Ten and Paise Seventy Only	1	metre
14.42/(9.80)	Providing and fixing M.S. round or square bars at required spacings in wooden frame of windows and clerestory windows	25.10	Rupees Twenty Five and Paise Ten Only	1	kg.
14.43/(9.81)	Providing and fixing M.S. round or square bars with M.S. flats at required spacings in wooden frames of windows and clerestory windows	23.25	Rupees Twenty Three and Paise Twenty Five Only	1	kg.
14.44/9.89	Providing joists (karries) including hoisting fixing in position and applying wood preservative on unexposed surface etc. complete with:				

9.89.1	Sal wood	22144.00	Rupees Twenty Two Thousand One Hundred Forty Four and Paise Zero Only	1	cum
9.89.3	Hollock wood	20444.10	Rupees Twenty Thousand Four Hundred Forty Four and Paise Ten Only	1	cum
14.45					
14.45(9.90)	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				
9.90.4	Hollock ballies				
9.90.4.1	80 mm diameter	28.40	Rupees Twenty Eight and Paise Forty Only	1	metre
9.90.4.2	100 mm diameter	35.65	Rupees Thirty Five and Paise Sixty Five Only	1	metre
9.90.4.3	125 mm diameter	41.65	Rupees Forty One and Paise Sixty Five Only	1	metre
9.90.4.4	150 mm diameter	50.15	Rupees Fifty and Paise Fifteen Only	1	metre
14.46 /9.13	Providing and fixing bright finished brass single acting spring hinges with necessary screws etc. complete :				
9.130.1	150mm	193.85	Rupees One Hundred Ninety Three and Paise Eighty Five Only	1	each
9.130.2	125mm	160.55	Rupees One Hundred Sixty and Paise Fifty Five Only	1	each
9.130.3	100mm	109.65	Rupees One Hundred Nine and Paise Sixty Five Only	1	each
14.47 /9.131	Providing and fixing bright finished brass double acting spring hinges with necessary screws etc. complete :				
9.131.1	150mm	288.30	Rupees Two Hundred Eighty Eight and Paise Thirty Only	1	each
9.131.2	125mm	199.40	Rupees One Hundred Ninety Nine and Paise Forty Only	1	each
9.131.3	100mm	165.20	Rupees One Hundred Sixty Five and Paise Twenty Only	1	each

14.48 /9.135	Providing and fixing bright finished brass flush bolts with necessary screws etc. complete :				
9.135.1	250mm	84.90	Rupees Eighty Four and Paise Ninety Only	1	each
9.135.2	150mm	66.65	Rupees Sixty Six and Paise Sixty Five Only	1	each
9.135.3	100mm	45.55	Rupees Forty Five and Paise Fifty Five Only	1	each
-9.144	Providing and fixing 30 cm long bright finished finger plates 65x1.6 mm including necessary screws etc. complete.	60.45	Rupees Sixty and Paise Forty Five Only	1	each
14.50 /9.147	Providing and fixing bright finished brass furniture handles.	17.05	Rupees Seventeen and Paise Five Only	1	each
14.51 /9.148	Providing and fixing 150 mm bright finished floor brass door stopper with rubber cushion, screws etc. to suit shutter thickness complete	99.65	Rupees Ninety Nine and Paise Sixty Five Only	1	each
14.52 /9.151	Providing and fixing bright finished brass hard drawn hooks and eyes				
9.151.1	300 mm	39.80	Rupees Thirty Nine and Paise Eighty Only	1	each
9.151.2	250 mm	37.60	Rupees Thirty Seven and Paise Sixty Only	1	each
9.151.3	200 mm	35.35	Rupees Thirty Five and Paise Thirty Five Only	1	each
9.151.4	150 mm	33.15	Rupees Thirty Three and Paise Fifteen Only	1	each
9.151.5	100 mm	26.50	Rupees Twenty Six and Paise Fifty Only	1	each
14.53 /9.154	Providing and fixing bright finished brass fan light pivot with necessary screws etc. complete.	16.45	Rupees Sixteen and Paise Forty Five Only	1	each
14.54 /9.156	Providing and fixing 300 mm long bright finished brass chain with hook for fan light including necessary screws etc. complete.	15.30	Rupees Fifteen and Paise Thirty Only	1	each
14.55 /9.157	Providing and fixing bright finished brass quadrant stay 300mm				
	long with necessary screws etc. complete.	70.85	Rupees Seventy and Paise Eighty Five Only	1	each

14.56/9.15 9	Providing and fixing bright finished brass helical door spring (superior quality).	190.95	Rupees One Hundred Ninety and Paise Ninety Five Only	1	each
14.57 /9.186	Providing and fixing chromium plated brass butt hinges with necessary screws etc. complete.				
9.186.2	125x70x4 mm (ordinary type)	56.65	Rupees Fifty Six and Paise Sixty Five Only	1	each
9.186.4	100x70x4 mm (ordinary type)	51.20	Rupees Fifty One and Paise Twenty Only	1	each
9.186.5	75x65x4 mm (heavy type)	50.75	Rupees Fifty and Paise Seventy Five Only	1	each
9.186.6	75x40x2.5 mm (ordinary type)	21.30	Rupees Twenty One and Paise Thirty Only	1	each
9.186.7	50x40x2.5 mm (ordinary type)	13.35	Rupees Thirteen and Paise Thirty Five Only	1	each
14.58/9.19 4	Providing and fixing 85x42mm chromium plated brass pull bolt lock with necessary screws, nuts, bolts and washers etc. complete.	120.15	Rupees One Hundred Twenty and Paise Fifteen Only	1	each
14.71/13.5 3	Pointing on brick work with lime surkhi mortar 1:2 (1 lime putty :2 surkhi):				
13.53.1	Flush pointing	28.60	Rupees Twenty Eight and Paise Sixty Only	1	sqm
13.53.2	Ruled pointing	30.30	Rupees Thirty and Paise Thirty Only	1	sqm
13.53.3	Struck or weathered pointing	37.30	Rupees Thirty Seven and Paise Thirty Only	1	sqm
14.72 /13.55	Pointing on brick work with an admixture of white cement, lime putty marble dust and stone dust in proportion ¼ :1:1:1 (¼ white cement : 1 lime putty : 1 marble dust : 1 stone dust):				
13.55.1	Flush pointing	33.35	Rupees Thirty Three and Paise Thirty Five Only	1	sqm
13.55.2	Ruled pointing	35.05	Rupees Thirty Five and Paise Five Only	1	sqm
13.55.3	Struck or weathered pointing	42.05	Rupees Forty Two and Paise Five Only	1	sqm
14.73 /13.6	Pointing on tile brick work with lime mortar 1:2 (1 lime putty : 2 surkhi) :				

13.60.1	Flush pointing	38.85	Rupees Thirty Eight and Paise Eighty Five Only	1	sqm
13.60.2	Ruled pointing	41.15	Rupees Forty One and Paise Fifteen Only	1	sqm
13.60.3	Struck or weathered pointing	47.60	Rupees Forty Seven and Paise Sixty Only	1	sqm
14.74 /13.62	Pointing on tile brick work with an admixture of white cement lime marble dust and stone dust in proportion ¼:1:1:1 (¼ white cement : 1 marble dust : 1 stone dust : 1 lime putty) :				
13.62.1	Flush pointing	45.40	Rupees Forty Five and Paise Forty Only	1	sqm
13.62.2	Ruled pointing	48.40	Rupees Forty Eight and Paise Forty Only	1	sqm
13.62.3	Struck or weathered pointing	54.85	Rupees Fifty Four and Paise Eighty Five Only	1	sqm
14.75/13.70	White washing with lime to give an even shade:				
13.70.2	Old work (two or more coats)	2.80	Rupees Two and Paise Eighty Only	1	sqm
13.70.3	Old work (one or more coats)	1.75	Rupees One and Paise Seventy Five Only	1	sqm
14.76 /13.72	White washing with whiting to give an even shade:				
13.72.2	Old work (two or more coats)	2.85	Rupees Two and Paise Eighty Five Only	1	sqm
13.72.3	Old work (one or more coats)	1.75	Rupees One and Paise Seventy Five Only	1	sqm
14.77/13.73	Colour washing such as green, blue or buff to give an even shade				
13.73.3	Old work (two or more coats) with lime	3.85	Rupees Three and Paise Eighty Five Only	1	sqm
13.73.4	Old work (two or more coats) with whiting	3.75	Rupees Three and Paise Seventy Five Only	1	sqm
13.73.5	Old work (one or more coats) with lime	2.15	Rupees Two and Paise Fifteen Only	1	sqm

13.73.6	Old work (one or more coats) with whitening	2.15	Rupees Two and Paise Fifteen Only	1	sqm
14.78 /13.74	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	2.10	Rupees Two and Paise Ten Only	1	sqm
14.79 /13.76	Distempering with dry distemper of approved brand and manufacture (one or more coats) and of required shade on old work to give an even shade.	9.00	Rupees Nine and Paise Zero Only	1	sqm
14.8 /13.77	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade				
13.77.3	Old work (one or more coats)	10.30	Rupees Ten and Paise Thirty Only	1	sqm
14.82 /13.80	Removing dry or oil bound distemper by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	2.80	Rupees Two and Paise Eighty Only	1	sqm
14.84/13.8 3	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:				
13.83.2	Old work (one or more coats)	12.80	Rupees Twelve and Paise Eighty Only	1	sqm
-13.84	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:				
13.88.2	75 mm diameter pipes	7.70	Rupees Seven and Paise Seventy Only	1	metre
14.86 /13.85	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:				
13.85.2	75 mm diameter pipes	3.65	Rupees Three and Paise Sixty Five Only	1	metre
14.87 /13.86	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.				
13.86.2	75 mm diameter pipes	8.40	Rupees Eight and Paise Forty Only	1	metre
13.87.2	75 mm diameter pipes	4.05	Rupees Four and Paise Five Only	1	metre

13.87.3	100 mm diameter pipes	5.20	Rupees Five and Paise Twenty Only	1	metre
13.87.4	150 mm diameter pipes	7.45	Rupees Seven and Paise Forty Five Only	1	metre
14.89 /13.88	Painting with oil type wood preservative of approved brand and manufacture :				
13.88.2	Old work (one or more coats)	6.95	Rupees Six and Paise Ninety Five Only	1	sqm
14.9 /13.92	Coal tarring one coat on old work using 0.12 litre of coal tar per sqm.	6.15	Rupees Six and Paise Fifteen Only	1	sqm
14.91 /13.92	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:				
13.92.2	One or more coats on old work.	19.70	Rupees Nineteen and Paise Seventy Only	1	sqm
14.92 /13.93	Painting with enamel paint of approved brand and manufacture to give an even shade :				
13.93.2	One or more coats on old work.	16.00	Rupees Sixteen and Paise Zero Only	1	sqm
14.93 /13.94	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:				
13.94.2	One or more coats on old work.	16.70	Rupees Sixteen and Paise Seventy Only	1	sqm
14.94 /13.95	Painting with aluminium paint of approved brand and manufacture to give an even shade .				
13.95.2	One or more coats on old work.	12.90	Rupees Twelve and Paise Ninety Only	1	sqm
14.95 /13.96	Painting with acid proof paint of approved brand and manufacture of required colour to give an even shade:				
13.96.2	One or more coats on old work.	15.15	Rupees Fifteen and Paise Fifteen Only	1	sqm
14.96 /(1`7)	Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade:				
13.97.2	One or more coats on old work.	11.65	Rupees Eleven and Paise Sixty Five Only	1	sqm
14.97 /13.98	Floor painting with floor enamel paint of approved brand and manufacture of required colour to give an even shade:				

13.98.2	One or more coats on old work.	17.30	Rupees Seventeen and Paise Thirty Only	1	sqm
14.98 /13.101.	French spirit polishing :				
13.101.2	One or more coats on old work.	26.20	Rupees Twenty Six and Paise Twenty Only	1	sqm
14.99 /13.104	Polishing on wood work with ready made wax polish of approved brand and manufacture :				
13.104.2	Old work	13.25	Rupees Thirteen and Paise Twenty Five Only	1	sqm
14.1 /13.107	Re-lettering with black Japan paint of approved brand and manufacture.	0.40	Zero Rupee and Paise Forty Only	1	per letter per centimetre height
14.101 /13.11	Painting (one or more coats) with black Japan paint of approved brand and manufacture to give an even shade.	12.80	Rupees Twelve and Paise Eighty Only	1	sqm
14.103/19. 32	Providing and fixing C.P. brass chain and rubber plug complete for sink or wash basin:				
19.32.1	32 mm dia	21.25	Rupees Twenty One and Paise Twenty Five Only	1	each
19.32.2	40 mm dia	23.50	Rupees Twenty Three and Paise Fifty Only	1	each
14.104/19. 33	Providing and fixing rubber plug for sink or wash basin :	7.40	Rupees Seven and Paise Forty Only	1	each

14.106	Providing and fixing to existing door frames 30 mm thick factory made Polyvinyle Chloride (PVC) door shutter made of styles and rails of a UPVC hollow section of size 60x30mm and wall thickness of 2mm +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 75x220mm having wall thickness 1.0mm and stainless steel screws. the styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1mm+/- 0.1mm wall thicknes. the lock rail made up of H section,a UPVC hollow section of size 100x30 mm and 2mm +/-0.2 mm wallthickness 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 620mm, having overall thickness of 20 mm and 1mm+/- 0.1mm wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer`s specification and direction of Engineer -in -charge(Plasopan or Sintex)				
14.106.1	30 mm thick shutter	1267.95	Rupees One Thousand Two Hundred Sixty Seven and Paise Ninety Five Only	1	sqm
	DISMANTLING AND DEMOLISHING				
15.1	Demolishing lime concrete and disposal of material within 50 metres lead	84.45	Rupees Eighty Four and Paise Forty Five Only	1	cum
15.2	Demolishing cement concrete including disposal of material within 50 metres lead :				
15.2.1	1:3:6 or richer mix	242.10	Rupees Two Hundred Forty Two and Paise Ten Only	1	cum
15.2.2	1:4:8 or leaner mix	149.15	Rupees One Hundred Forty Nine and Paise Fifteen Only	1	cum
15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metres lead:	353.20	Rupees Three Hundred Fifty Three and Paise Twenty Only	1	cum
15.4	Demolishing R.B. work including stacking of steel bars and disposal of unserviceable material within 50 metres lead	315.35	Rupees Three Hundred Fifteen and Paise Thirty Five Only	1	sqm

15.5	Extra for cutting reinforcement bars in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work)	122.25	Rupees One Hundred Twenty Two and Paise Twenty Five Only	1	sqm
15.6	Extra for scrapping, cleaning and straightening reinforcement from R.C.C. or R.B. work	0.95	Zero Rupee and Paise Ninety Five Only	1	kg.
15.7	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 metres lead:				
15.7.1	In mud mortar	69.95	Rupees Sixty Nine and Paise Ninety Five Only	1	cum
15.7.2	In lime mortar with old mughal bricks	176.40	Rupees One Hundred Seventy Six and Paise Forty Only	1	cum
15.7.3	In lime mortar	84.45	Rupees Eighty Four and Paise Forty Five Only	1	cum
15.7.4	In cement mortar	204.25	Rupees Two Hundred Four and Paise Twenty Five Only	1	cum
15.8	Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m. (stacks of cleaned bricks shall be measured):				
15.8.1	From brick work in mud mortar	463.45	Rupees Four Hundred Sixty Three and Paise Forty Five Only	1000	1000 nos.
15.8.3	From brick work in lime mortar	538.10	Rupees Five Hundred Thirty Eight and Paise Ten Only	1000	1000 nos.
15.8.4	From brick work in cement mortar	673.90	Rupees Six Hundred Seventy Three and Paise Ninety Only	1000	1000 nos.
15.9	Demolishing stone rubble masonry including stacking of serviceable material and disposal of unserviceable material within 50 metres lead :				
15.9.1	In lime mortar	115.05	Rupees One Hundred Fifteen and Paise Five Only	1	cum
15.9.2	In cement mortar	243.70	Rupees Two Hundred Forty Three and Paise Seventy Only	1	cum
15.1	Dismantling dressed stone work ashlar face stone work, marble work or precast concrete work including stacking of serviceable and disposal of unserviceable material within 50 metres lead :				
15.10.1	In lime mortar	145.55	Rupees One Hundred Forty Five and Paise Fifty Five Only	1	cum

15.10.2	In cement mortar	285.05	Rupees Two Hundred Eighty Five and Paise Five Only	1	cum
15.11	Removing mortar from stones and cleaning stones and concrete articles (net quantity of stacks of cleaned materials will be measured)				
15.11.1	In lime mortar	47.80	Rupees Forty Seven and Paise Eighty Only	1	cum
15.11.2	In cement mortar	68.75	Rupees Sixty Eight and Paise Seventy Five Only	1	each
15.12	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead:				
15.12.1	Of area 3 sq. metres and below	37.95	Rupees Thirty Seven and Paise Ninety Five Only	1	each
15.12.2	Of area beyond 3 sq. metres	52.20	Rupees Fifty Two and Paise Twenty Only	1	each
15.13	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead:				
15.13.1	Of area 3 sq. metres and below	14.75	Rupees Fourteen and Paise Seventy Five Only	1	each
15.13.2	Of area beyond 3 sq. metres	19.55	Rupees Nineteen and Paise Fifty Five Only	1	each
15.14	Dismantling wood work in frames, trusses, purlins and rafters upto 10 metres span and 5 metres height including stacking the material within 50 metres lead:				
15.14.1	Of sectional area 40 square centimetres and above	460.55	Rupees Four Hundred Sixty and Paise Fifty Five Only	1	cum
15.14.2	Of sectional area below 40 square centimetres	1.85	Rupees One and Paise Eighty Five Only	1	metre
15.15	Extra for dismantling trusses, rafters, purlins etc. of wood work for every additional span of one metre or part thereof beyond 10 metres:				
15.15.1	Of sectional area 40 square centimetres and above	64.95	Rupees Sixty Four and Paise Ninety Five Only	1	cum per metre span

15.15.2	Of sectional area below 40 square centimetres	0.20	Zero Rupee and Paise Twenty Only	1	metre per metre span
15.16	Extra for dismantling trusses, rafters, purlins etc. of wood work for every additional height of one metre or part thereof beyond 5 metres:				
15.16.1	Of sectional area 40 square centimetres and above	91.70	Rupees Ninety One and Paise Seventy Only	1	cum per metre height
15.16.2	Of sectional area below 40 square centimetres	0.35	Zero Rupee and Paise Thirty Five Only	1	cum per metre height
15.17	Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in:				
15.17.1	R.S. Joists	0.35	Zero Rupee and Paise Thirty Five Only	1	kg.
15.17.2	Channels, angles, tees and flats	0.25	Zero Rupee and Paise Twenty Five Only	1	kg.
15.18	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50metres lead.	0.60	Zero Rupee and Paise Sixty Only	1	kg.
15.19	Dismantling steel work in built up sections without dismembering and stacking within 50 metres lead	0.40	Zero Rupee and Paise Forty Only	1	kg.
15.20	Extra for dismantling trusses, rafters, purlins etc. of steel work for every additional span of one metre or part thereof beyond 10 metres	0.10	Zero Rupee and Paise Ten Only	1	kg. per metre span
15.21	Extra for dismantling trusses, rafters, purlins etc. of steel work for every additional height of one metre or part thereof beyond 5 metres kg. Per	0.10	Zero Rupee and Paise Ten Only		kg. Per metre height
15.22	Extra for marking of structural steel work required to be reerected.	0.50	Zero Rupee and Paise Fifty Only	1	kg
15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
15.23.1	For thickness of tiles 10 mm to 25 mm	7.60	Rupees Seven and Paise Sixty Only	1	sqm

15.23.2	For thickness of tiles above 25 mm and upto 40 mm	11.75	Rupees Eleven and Paise Seventy Five Only	1	sqm
15.24	Demolishing dry brick pitching in floors, drains etc. including stacking serviceable material and disposal of unserviceable material within 50 metres lead.	131.10	Rupees One Hundred Thirty One and Paise Ten Only	1	cum
15.25	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	26.60	Rupees Twenty Six and Paise Sixty Only	1	cum
15.26	Demolishing brick tile covering in terracing including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	10.90	Rupees Ten and Paise Ninety Only	1	sqm
15.27	Demolishing mud phaska in terracing and disposal of material within 50 metres lead	90.65	Rupees Ninety and Paise Sixty Five Only	1	cum
15.28	Dismantling roofing including ridges, hips valleys and gutters etc., and stacking the material within 50 metres lead of:				
15.28.1	G.S. Sheet	16.90	Rupees Sixteen and Paise Ninety Only	1	sqm
15.28.2	Asbestos sheet	8.00	Rupees Eight and Paise Zero Only	1	sqm
15.29	Dismantling stone slab roofing over wooden karries or R.C.C. battens (dismantling karries and battens to be paid for separately) including stacking of serviceable material and disposal of unserviceable material within 50 metres lead:	266.10	Rupees Two Hundred Sixty Six and Paise Ten Only	1	cum
15.30	Dismantling jack arch roofing and floors including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	25.35	Rupees Twenty Five and Paise Thirty Five Only	1	sqm
15.31	Dismantling tiled roofing with battens boarding etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	21.05	Rupees Twenty One and Paise Five Only	1	sqm
15.32	Demolishing thatch roofing including mats, bamboo, jaffari etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	5.85	Rupees Five and Paise Eighty Five Only	1	sqm
15.33	Dismantling wooden ballies in posts and struts including stacking within 50 metres lead.	2.05	Rupees Two and Paise Five Only	1	metre

15.34	Dismantling and stacking within 50 metres lead, fencing posts or struts including all earth work and dismantling of concrete etc. in base of :				
15.34.1	T' or 'L' iron or pipe	28.70	Rupees Twenty Eight and Paise Seventy Only	1	each
15.34.2	R.C.C.	33.55	Rupees Thirty Three and Paise Fifty Five Only	1	each
15.35	Cutting ballies or wooden posts of fencing at the point of projection above the concrete or ground and stacking the same within 50 metres lead.	2.95	Rupees Two and Paise Ninety Five Only	1	each
15.36	Dismantling barbed wire or flexible wire rope in fencing including making rolls and stacking within 50 metres lead.	3.65	Rupees Three and Paise Sixty Five Only	1	kg.
15.37	Dismantling wooden trellis work excluding frames but including stacking the serviceable material within 50 metres lead.	6.60	Rupees Six and Paise Sixty Only	1	sqm
15.38	Dismantling expanded metal or I.R.C. fabrics with necessary battens and beading including stacking the serviceable material within 50 metres lead.	7.70	Rupees Seven and Paise Seventy Only	1	sqm
15.39	Dismantling wooden boardings in lining of walls and partitions, excluding supporting members but including stacking within 50 metres lead:				
15.39.1	Upto 10 mm thick	6.35	Rupees Six and Paise Thirty Five Only	1	sqm
15.39.2	Thickness above 10 mm upto 25 mm	8.10	Rupees Eight and Paise Ten Only	1	sqm
15.39.3	Thickness above 25 mm upto 40 mm	9.60	Rupees Nine and Paise Sixty Only	1	sqm
15.40	Dismantling precast concrete or stone slabs in walls, partition walls etc. including stacking within 50 metres lead:				
15.40.1	Thickness upto 40 mm	29.20	Rupees Twenty Nine and Paise Twenty Only	1	sqm
15.40.2	Thickness above 40 mm upto 75 mm	43.75	Rupees Forty Three and Paise Seventy Five Only	1	sqm
15.41	Dismantling cement asbestos, Celotax or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.	5.90	Rupees Five and Paise Ninety Only	1	sqm
15.42	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :				

15.42.1	75 to 80 mm dia pipe.	7.50	Rupees Seven and Paise Fifty Only	1	metre
15.42.2	100 mm dia pipe	7.75	Rupees Seven and Paise Seventy Five Only	1	metre
15.42.3	150 mm dia pipe	8.00	Rupees Eight and Paise Zero Only	1	metre
15.43	Dismantling including stacking of serviceable material and disposal of unserviceable material within 50metres lead :				
15.43.1	Water bound macadam road	22.45	Rupees Twenty Two and Paise Forty Five Only	1	sqm
15.43.2	Bituminous road	43.45	Rupees Forty Three and Paise Forty Five Only	1	sqm
15.44	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, including stacking of pipes within 50 metres lead :				
15.44.1	15 mm to 40 mm nominal bore	16.20	Rupees Sixteen and Paise Twenty Only	1	metre
15.44.2	Above 40 mm nominal bore	18.75	Rupees Eighteen and Paise Seventy Five Only	1	metre
15.45	Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes, lead at site within 50 metre lead:				
15.45.1	Upto 150 mm diameter	42.15	Rupees Forty Two and Paise Fifteen Only	1	metre
15.45.2	Above 150 mm dia upto 300 mm dia.	57.50	Rupees Fifty Seven and Paise Fifty Only	1	metre
15.45.3	Above 300 mm diameter	75.85	Rupees Seventy Five and Paise Eighty Five Only	1	metre
15.46	Dismantling steel cylinder R.C. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes, lead at site within 50 metres lead:				
15.46.1	Upto 600 mm diameter	75.85	Rupees Seventy Five and Paise Eighty Five Only	1	metre
15.46.2	Above 600 mm diameter	188.70	Rupees One Hundred Eighty Eight and Paise Seventy Only	1	metre

15.47	Dismantling asbestos cement pressure pipes including excavation and refilling trenches after taking out the pipes and stacking the pipes within 50 metres lead:				
15.47.1	Upto 150 mm diameter	32.80	Rupees Thirty Two and Paise Eighty Only	1	metre
15.47.2	Above 150 mm diameter	39.90	Rupees Thirty Nine and Paise Ninety Only	1	metre
15.48	Taking out C.I. cover with frame from R.C.C. top slab of manholes of various sizes including demolishing of R.C.C. work and stacking of useful materials near the site and disposal of unserviceable materials into municipal dumps within 50 metres lead	72.10	Rupees Seventy Two and Paise Ten Only	1	each
15.49	Taking out C.I. cover with frame from R.C.C. top slab of inspection chambers of various sizes including demolishing of R.C.C. work and stacking of useful materials near the site and disposal of unserviceable materials into municipal dumps within 50 metres lead	42.45	Rupees Forty Two and Paise Forty Five Only	1	each
15.50	Dismantling of R.C.C. spun vent shaft including excavating the cement concrete pit completely, taking out the shaft, refilling the excavated gap, stacking the useful materials near the site and disposal of unserviceable materials within 50 metres lead	481.85	Rupees Four Hundred Eighty One and Paise Eighty Five Only	1	each
15.51	Dismantling of road gully chamber of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials into municipal dumps within 50 metres lead including refilling the excavated gap.	97.85	Rupees Ninety Seven and Paise Eighty Five Only	1	each
15.52	Dismantling of flushing cistern of any size including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	100.50	Rupees One Hundred and Paise Fifty Only	1	each
15.53	Dismantling of C.I. sluice valve including stacking of useful materials within a lead of 50 metres				
15.53.1	Upto 150 mm diameter	36.45	Rupees Thirty Six and Paise Forty Five Only	1	each
15.53.2	Above 150 mm diameter	125.95	Rupees One Hundred Twenty Five and Paise Ninety Five Only	1	each
15.54	Dismantling of spindle fire hydrant including stacking of useful materials within 50 metres lead.	75.20	Rupees Seventy Five and Paise Twenty Only	1	each

15.55	Dismantling of cement concrete platform along with curtain walls and base concrete etc. including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead:				
15.55.1	120 x 120 cm (outside to outside)	109.50	Rupees One Hundred Nine and Paise Fifty Only	1	each
15.55.2	210 x 120 cm (outside to outside)	168.00	Rupees One Hundred Sixty Eight and Paise Zero Only	1	each
15.55.3	320 x 120 cm (outside to outside)	237.70	Rupees Two Hundred Thirty Seven and Paise Seventy Only	1	sqm
15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	5.40	Rupees Five and Paise Forty Only	1	Sqm
15.57	Dismantling aluminium/Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	5.95	Rupees Five and Paise Ninety Five Only	1	sqm
MISCELLANEUS BUILDING WORKS					
16.1	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	131.20	Rupees One Hundred Thirty One and Paise Twenty Only	1	sqm
16.2	Making plinth protection with bricks of class designation 75 laid on edge in cement mortar 1:6 (1 cement : 6 coarse sand) with 12 mm thick bed of cement mortar 1:6 (1 cement : 6 coarse sand) over 75mm bed of dry brick aggregate 40mm nominal size rammed, consolidated and grouted with fine sand and the top of bricks pointed with cement mortar 1:3 (1 cement : 3 fine sand) :				
16.2.1	With F.P.S. bricks	255.60	Rupees Two Hundred Fifty Five and Paise Sixty Only	1	each

16.3	Providing and fixing precast reinforced cement concrete urinal partition 105x60cm deep and 56 mm thick in cement concrete mix 1:2:4 (1 cement :2 coarse sand : 4graded stone aggregate 6mm nominal size) reinforced with mild steel bars 6mm dia at 15cm centre to centre both ways fixed in walls with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size) including finishing with 12mm plastering with terrazo finish rubbed and polished complete, under layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) and top layer 6 mm thick white, black or white and black marble chips of 3 mm and down size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume.	411.75	Rupees Four Hundred Eleven and Paise Seventy Five Only	1	sqm
16.4A	Providing and fixing stone slab table rubbed and polished of size 105cmx60cm deep and 1.8cm thick fixed in urinal partitions with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 6mm nominal size) and finished smooth.				
16.4A.1	White Agaria Marble Stone	1944.15	Rupees One Thousand Nine Hundred Forty Four and Paise Fifteen Only	1	sqm
16.4A.2	Granite Stone of approved shade	2172.00	Rupees Two Thousand One Hundred Seventy Two and Paise Zero Only	1	sqm
16.12	Providing and fixing 15cm high drawer of the cupboard with 12mm thick base and side planks with wooden handle and 20x25mm runners fixed with screws complete including painting or polishing. NOTE : Overall plan area of the drawer shall be measured:				
16.12.1	Superior class teak wood	3708.95	Rupees Three Thousand Seven Hundred Eight and Paise Ninety Five Only	1	sqm
16.12.2	First class teak wood	2300.85	Rupees Two Thousand Three Hundred and Paise Eighty Five Only	1	sqm
16.12.3	Second class teak wood	1930.60	Rupees One Thousand Nine Hundred Thirty and Paise Sixty Only	1	sqm

16.12.5	Second class deodar wood	1813.25	Rupees One Thousand Eight Hundred Thirteen and Paise Twenty Five Only	1	sqm
16.12.6	First class kail wood	1252.80	Rupees One Thousand Two Hundred Fifty Two and Paise Eighty Only	1	sqm
16.12.7	Second class kail wood	1229.15	Rupees One Thousand Two Hundred Twenty Nine and Paise Fifteen Only	1	sqm
16.14	Providing and fixing aluminium strip edging to staircase including fixing with rawl plugs and screws with a thin layer of cement mortar 1:3 (1 cement : 3 coarse sand):				
16.14.1	Size of strip edging 57x12x3 mm	103.75	Rupees One Hundred Three and Paise Seventy Five Only	1	metre
16.14.2	Size of strip edging 38x12x3 mm	83.90	Rupees Eighty Three and Paise Ninety Only	1	metre
16.15	Brick edging 7cm wide 11.4cm deep to plinth protection with bricks of class designation 75 including grouting with cement mortar 1:4 (1 cement : 4 fine sand)	11.05	Rupees Eleven and Paise Five Only	1	metre
16.17	Providing and fixing cup board shutters 25mm thick, with prelaminate flat pressed three layer particle board (Novapan, Ecoboard etc.,) or graded particle board (Bhutan Board) IS: 12823 marked exterior grade (Grade -I Type II) having one side decorative lamination of approved shade and other side balancing lamination including IInd class teak wood lipping of 25mm wide x12mm thick with necessary screws and nickle plated bright finished M.S. piano hinges complete as per direction of the Engineer-in-Charge	840.15	Rupees Eight Hundred Forty and Paise Fifteen Only	1	sqm
16.18	Providing and fixing cup board shutters with 25mm thick veneered particle board IS : 3097 marked (Novapan, Ecoboard, Bhutan Board etc.,) exterior grade (Grade I) of approved make including IInd class teak wood lipping of 25mm wide x 12 mm thick with necessary screws and nickle plated bright finished M .S. piano hinges complete as per direction of Engineer-in-Charge.				
16.18.1	With teak veneering on one side and commercial veering on other side	697.95	Rupees Six Hundred Ninety Seven and Paise Ninety Five Only	1	sqm

16.18.2	With commercial veneering on both sides	609.05	Rupees Six Hundred Nine and Paise Five Only	1	sqm
16.19	Providing and fixing factory made door shutters 30mm thick made of prelaminated flat pressed three layer particle board IS : 12823 marked exterior grade (Grade -I Type II) (Novapan, Ecoboard, Bhutan Board etc.,) having one side decorative lamination of approved shade including IIInd class teak wood lipping of 25mm wide x 12mm thick size with necessary screws and black enamelled M.S. butt hinges complete as per direction of the Engineer- in-Charge	878.45	Rupees Eight Hundred Seventy Eight and Paise Forty Five Only		
16.20	Providing and fixing factory made medium density particle board door shutters flat pressed three-layer prelaminated particle board exterior grade, IS : 3087 marked (Novapan, Ecoboard, Bhutan Board etc.,) grade-I and prelamination conforming to IS : 12823 Grade - I Type II both side decorative matt lamination of approved design, and edges sealed with water resistant paint and lipped with aluminium 'U' type edge beading alround the shutter, including fixing with angle cleat, grip strip, cadmium plated steel screws including fixing of aluminium hinges 100x63x4 mm etc. complete as per architectural drawing and direction of Engineer-in-Charge (cost of 'U' beading and hinges will be paid for separately).				
16.20.1	25 mm thick	1145.65	Rupees One Thousand One Hundred Forty Five and Paise Sixty Five Only	1	sqm
16.21	Providing and fixing aluminum U beading of required size to prelaminated / flush door shutter including fixing etc. complete as per direction of Engineer-in-charge.	208.10	Rupees Two Hundred Eight and Paise Ten Only	1	kg

16.22	Providing and fixing factory made PVC door frame made of PVC extruded section having overall dimension of 48x40 mm (tolerance ± 1 mm) with wall thickness 2.0 mm ± 0.2 mm, corners of the door frame to be mitred and joined by means of plastic/M.S. galvanised brackets and stainless steel screws. The hinge side vertical of the frames reinforced by galvanised M.S. tube of size 19x19 mm and 1 mm ± 0.1 mm wall thickness and 3 Nos. stainless steel hinges fixed to the frame complete as per manufacturers specification and direction of Engineer-in-charge. (Sintex or Plasopan)				
16.22.1	48x40x2.0 mm thick PVC door frame	112.20	Rupees One Hundred Twelve and Paise Twenty Only	1	metre
16.23	Providing and fixing to existing door frames 24 mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 59x24 mm and wall thickness 2 mm ± 0.2 mm with inbuilt edging on both sides. 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 20x20 mm and 1 mm ± 0.1 mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100x24 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 direction of Engineer-in-charge. (Plasopan or Sintex)				
16.23.1	24 mm thick shutter	1067.95	Rupees One Thousand Sixty Seven and Paise Ninety Five Only	1	sqm

16.24	Providing and fixing factory made P.V.C. door frame manufactured by M/s Rajshri or equivalent of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet mitred at corners and joined with 2 Nos. of 150mm long brackets of 15x15mm M.S. square tube, the vertical door profiles to be reinforced with 19x19mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100mm size complete as per manufacturers specification and direction of Engineer-in-Charge.-	245.95	Rupees Two Hundred Forty Five and Paise Ninety Five Only	1	sqm
16.25	Providing and fixing 30mm thick factory made PVC rigid foam panelled door shutters manufactured by M/s. Rajshri or equivalent made from M.S. tube of 19 gauge thickness, size 19x19mm for styles and 15x15mm for top and bottom rails, covered with heat moulded PVC "C" channel of 5mm thick sheet and 30x50mm wide to form styles and 5mm thick and 75mm wide PVC sheets for top rail, lock rail and bottom rail on either side and 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail and bottom rail, panelling of 5mm thick PVC sheet fitted in the M.S. frame welded/sealed to the styles and rails with 5x30mm PVC sheet beading on either side and joined together with solvent cement adhesive etc., complete as per manufacturers specification and direction of Engineer-in-Charge fixed to frames with 4 Nos. M.S. powder coated butt hinges (For W.C. and bathroom shutters)	1753.00	Rupees One Thousand Seven Hundred Fifty Three and Paise Zero Only	1	sqm

16.26	Providing and fixing 30mm thick factory made PVC rigid foam panelled door shutters manufactured by M/s. Rajshri or equivalent made from M.S. tube of 19x19mm, 19 gauge for styles and 15x15mm for top and bottom rails, covered with heat moulded prelaminated PVC "C" channel of 5mm thick sheet and 30x50mm wide to form styles and 5mm thick and 75mm wide prelaminiated PVC sheets for top rail, lock rail and bottom rail on either side and 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail and bottom rail, panelling of 5mm thick PVC sheet prelaminiated on both sides fitted in the M.S. frame welded/sealed to the styles and rails with 5x30mm prelaminated PVC sheet beading on either side and joined together with solvent cement adhesive etc., complete as per manufacturers specification and direction of Engineer-in-Charge fixed to frames with 4 Nos. M.S. powder coated butt hinges (For Internal Shutters)	2181.15	Rupees Two Thousand One Hundred Eighty One and Paise Fifteen Only	1	sqm
16.27	Providing and fixing PVC rigid foam sheet 1mm thick manufactured by M/s Rajshri or equivalent on existing door shutters (bathroom and W.C. doors) using synthetic rubber based adhesive (Fevicol SR 998 or equivalent).	316.25	Rupees Three Hundred Sixteen and Paise Twenty Five Only	1	sqm
16.28	Providing and fixing prelaminated PVC rigid foam sheet manufactured by M/s Rajshri or equivalent wall panelling of thickness 5mm stuck on inner frame work of 35mm wide strips of 5mm thick PVC rigid foam sheet. The strips should have in their centre a groove of 6mm width and 2mm depth for sinking the head of the screw used to fix the strips to the wall and should be placed vertically at equal intervals of 405/407mm centre to centre. The PVC strips to be fixed to the wall using 65mm long M.S. screws through the groove in the strip by using PVC fasteners, the distance between two screws shall not be more than 300mm. A groove of 2mm to be left at the joint of two panels for aesthetic look.	820.90	Rupees Eight Hundred Twenty and Paise Ninety Only	1	sqm
	ROAD WORK				
17.1	Preparation of subgrade by excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and disposal of surplus earth lead upto 50 metres.	21.50	Rupees Twenty One and Paise Fifty Only	1	sqm

17.2	Consolidation of subgrade with power road roller of 8 to 12 tonne capacity including making good the undulations etc .with earth or quarry spoils etc. and rerolling the subgrade	0.65	Zero Rupee and Paise Sixty Five Only	1	cum
17.3	Extra for compaction of earth work in embankment under optimum moisture conditions to give at least 95% of the maximum dry density (proctor density)	2.90	Rupees Two and Paise Ninety Only	1	cum
17.4	Supplying and stacking of graded stone aggregate at site of size range				
17.4.1	90 mm to 45 mm	374.65	Rupees Three Hundred Seventy Four and Paise Sixty Five Only	1	cum
17.4.2	63 mm to 45 mm	389.65	Rupees Three Hundred Eighty Nine and Paise Sixty Five Only	1	cum
17.4.3	53 mm to 22.4 mm	432.55	Rupees Four Hundred Thirty Two and Paise Fifty Five Only	1	cum
17.5	Supplying and stacking of over burnt (Jhama) brick aggregate at site of size range				
17.5.1	120 mm to 40 mm	257.00	Rupees Two Hundred Fifty Seven and Paise Zero Only	1	cum
17.5.2	90 mm to 45 mm	284.75	Rupees Two Hundred Eighty Four and Paise Seventy Five Only	1	cum
17.6	Laying water bound macadam with specified stone aggregate stone screening and blinding material including screening, sorting, spreading to template and consolidation with power road roller of 8 to 10 tonne capacity etc. complete (payment for stone aggregate, screenings, kankar, moorum and red bajri etc. to be made separately) :				
17.6.1	Subbase with stone aggregate 90mm to 45mm including stone screening 13.2mm size.	128.90	Rupees One Hundred Twenty Eight and Paise Ninety Only	1	cum
17.6.2	Base course with 63mm to 45mm size including stone screening 13.2mm size	122.00	Rupees One Hundred Twenty Two and Paise Zero Only	1	cum
17.6.3	Base course with 53mm to 22.4mm size including stone screening 11.2mm size.	122.00	Rupees One Hundred Twenty Two and Paise Zero Only	1	cum

17.7	Laying water bound macadam sub-base with brick aggregate and blinding material, earth etc. including screening, sorting and spreading to template and consolidation with light power road-roller etc.complete (payment for brick aggregate and moorum etc. to be made separately)				
17.7.1	Over burnt (Jhama) brick aggregate 120mm to 40mm	89.55	Rupees Eighty Nine and Paise Fifty Five Only	1	cum
17.7.2	Over burnt (Jhama) brick aggregate 90mm to 45mm	89.55	Rupees Eighty Nine and Paise Fifty Five Only	1	cum
17.8	Supplying and stacking of moorum at site.	264.70	Rupees Two Hundred Sixty Four and Paise Seventy Only	1	cum
17.9	Supplying and stacking of red bajri at site	403.60	Rupees Four Hundred Three and Paise Sixty Only		
17.10	Supplying and stacking of stone screenings / chippings at site				
17.10.1	13.2 mm nominal size (Type A)	470.95	Rupees Four Hundred Seventy and Paise Ninety Five Only	1	cum
17.10.2	11.2 mm. nominal size (Type B)	465.10	Rupees Four Hundred Sixty Five and Paise Ten Only	1	cum
17.11	Spreading 6 mm thick red bajri, watering and rolling complete including preparation of the surface and rolling (Payment for red bajri to be made separately).				
17.11.1	With road roller	1.75	Rupees One and Paise Seventy Five Only	1	sqm
17.11.2	With hand roller	1.85	Rupees One and Paise Eighty Five Only	1	sqm
17.14	Brick edging in full brick width and half brick depth including excavation, refilling and disposal of surplus earth lead upto 50 metres.				
17.14.1	With F.P.S. bricks of class designation 75	35.80	Rupees Thirty Five and Paise Eighty Only	1	metre
17.15	Brick edging laid lengthwise with half brick depth including excavation, refilling and disposal of surplus earth lead upto 50 metres				
17.15.1	With F.P.S. bricks of class designation 75	10.20	Rupees Ten and Paise Twenty Only	1	sqm

17.16	Scarifying metalled (water-bound) road surface including disposal of rubbish lead upto 50m and consolidation of the aggregate received from scarifying with power road roller of 8 to 10tonne capacity	4.05	Rupees Four and Paise Five Only	1	sqm
17.17	Making bajri path including preparation of subgrade, supply-ing and laying brick aggregate of 50mm nominal size 7.5cm deep with blinding material consisting of 12mm moorum and 12mm red bajri consolidated with road roller.	43.55	Rupees Forty Three and Paise Fifty Five Only	1	sqm
17.18	Dry stone pitching 22.5 cm thick including supply of stones and preparing surface complete	157.70	Rupees One Hundred Fifty Seven and Paise Seventy Only	1	sqm
17.19	Dry brick pitching half brick thick in drains including supply of bricks and preparing the surface complete.				
17.19.1	With F. P. S. bricks of class designation 75	125.65	Rupees One Hundred Twenty Five and Paise Sixty Five Only	1	sqm
17.20	Cutting road and making good the same includ-ing supply of extra quantities of materials i.e. aggregate, moorum screening, red bajri and labour required.				
17.20.1	Bituminous portion	634.50	Rupees Six Hundred Thirty Four and Paise Fifty Only	1	cum
17.20.2	Water bound macadam.	362.70	Rupees Three Hundred Sixty Two and Paise Seventy Only	1	cum
17.21	Cutting bajri paths and making good the same including supply of extra quantities of brick aggregate, moorum and red bajri required.	33.90	Rupees Thirty Three and Paise Ninety Only	1	sqm
17.23	Supplying at site 1.8m long R.C.C. standard posts with wooden plugs or 6mm bar nibs.	210.10	Rupees Two Hundred Ten and Paise Ten Only	1	each
17.24	Supplying at site				
17.24.1	R.C.C. Standards Struts 2.0 metre long	165.05	Rupees One Hundred Sixty Five and Paise Five Only	1	each
17.24.2	RCC standard rails 2.25 metre long.	116.15	Rupees One Hundred Sixteen and Paise Fifteen Only	1	each
17.24.3	RCC standard Pales 1.25 metre long.	42.65	Rupees Forty Two and Paise Sixty Five Only	1	sqm
17.24.4	Welded steel wire fabric of required width rectangular mesh 75x25 mm size weight not less than 7.75 Kg/Sqm painted with two or more coats of enamel paint of approved shade over a coat of primer (Painting to be paid for separately)	166.95	Rupees One Hundred Sixty Six and Paise Ninety Five Only	1	sqm

17.25	Supplying and fixing turn buckles and straining bolts for barbed wire fencing.	53.05	Rupees Fifty Three and Paise Five Only	1	each set
17.26	1.2m high fencing with 1.8m R.C.C design placed every 3m apart, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post one side only, provided with nine horizontal lines and two diagonals of barbed wire 9.38 kg per 100 metres (min) between the two posts fitted and fixed with G.I. staples on wooden plugs or G.I. binding wire tied to 6 mm bar nibs fixed while casting the post (cost of R.C.C. posts, struts, earth work and concrete to be paid for separately):				
17.26.1	With G. I. barbed wire.	38.50	Rupees Thirty Eight and Paise Fifty Only	1	metre
17.26.2	With M. S. barbed wire	38.40	Rupees Thirty Eight and Paise Forty Only	1	metre
17.27	Supplying 30cm minimum girth sal ballies at site in required length	20.40	Rupees Twenty and Paise Forty Only	1	metre
17.28	1.2m high fencing with 1.8m sal balli posts, 30 cm girth (min) placed every 2.5m apart embedded in cement concrete blocks and every 15th post, last but one end post and corner post strutted on both sides and end post on one side only, provided with 6 horizontal lines and two diagonals of barbed wire 9.38 kg per 100 metres (min) between two posts fitted and fixed with G.I. staples driven into the posts including two coats of coal tarring of ballies complete (cost of posts, struts, earth work and concrete to be paid for separately):				
17.28.1	With G. I. barbed wire.	32.80	Rupees Thirty Two and Paise Eighty Only	1	metre
17.28.2	With M. S. barbed wire	32.70	Rupees Thirty Two and Paise Seventy Only	1	metre

17.29	1.8m high fencing with 2.5m sal balli posts, 30cm girth (min) placed every 2.5m apart embedded in cement concrete blocks and every 15th post, last but one end post and corner post strutted on both sides and end post on one side only, provided with 9 horizontal lines and two diagonals of barbed wire 9.38 kg per 100 metres (min) between two posts fitted and fixed with G.I. staples driven into the posts including two coats of coal tarring of ballies complete (cost of posts, struts, earth work and concrete to be paid for separately).				
17.29.1	With G. I. barbed wire.	44.40	Rupees Forty Four and Paise Forty Only	1	metre
17.29.2	With M. S. barbed wire.	44.25	Rupees Forty Four and Paise Twenty Five Only	1	metre
17.30	2.4m high fencing with 3.3m sal balli posts, 30 cm girth (min) placed every 2.5 m apart embedded in cement concrete blocks and every 15th post, last but one end post and corner post strutted on both sides and end post on one side only, provided with 12 horizontal lines and two diagonals of barbed wire 9.38 kg per 100 metres (min) between two posts fitted and fixed with G.I. staples driven into the posts including two coats of coal tarring of ballies complete (cost of posts, struts, earth work and concrete to be paid for separately) :				
17.30.1	G. I. barbed wire.	57.10	Rupees Fifty Seven and Paise Ten Only	1	metre
17.30.2	M. S. barbed wire.	56.95	Rupees Fifty Six and Paise Ninety Five Only	1	metre
17.31	1.3metre high concrete rail and pale fencing with 1.8m R.C.C posts 2.25 m rails and 1.25 m pales, posts placed at 2.25 m apart embedded in cement concrete blocks 45x45x70 cm of mix 1:5:10 (1 cement : 5 fine sand :10 graded stone aggregate 40 mm nominal size) (Cost of earth work in excavation,concrete work,posts, rails and pales to be paid for separately).	10.05	Rupees Ten and Paise Five Only	1	metre

17.32	1.2m high fencing with 1.8m angle iron 40x40x6mm posts placed every 3m centre to centre embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with 9 horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire 9.38 kg per 100 m (minimum) between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately)			1	metre
17.32.1	With G.I. barbed wire.	55.90	Rupees Fifty Five and Paise Ninety Only	1	metre
17.33	1.8 m high fencing with 2.4 m angle iron 50x50x6mm posts placed every 3 m centre to centre embedded in cement concrete block, every 15th post last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with 12 horizontal lines and two diagonals inter woven with horizontal wires of barbed wire 9.38 Kg per 100 m (min) between the two posts and fixed with GI staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete to be paid for separately.)				
17.33.1	With G.I. barbed wire	51.20	Rupees Fifty One and Paise Twenty Only	1	metre
17.34	Supplying at site Angle iron post & strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia.etc. complete.	22.65	Rupees Twenty Two and Paise Sixty Five Only	1	kg.

17.35	1.2m high welded steel wire fabric fencing with 1.8m posts of specified material and of standard design placed at every 3m apart embedded in cement concrete blocks 45x45x60cm of mix 1:5:10 (1 cement:5 fine sand : 10 graded stone aggregate 40mm nominal size) every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and struts embedded in cement concrete blocks 70x45x50cm of the same mix, provided with welded steel wire fabric 0.90m wide rectangular mesh 75x25mm size weighing not less than 7.75 kg/sqm fixed between the posts fitted and fixed with G.I. staples on wooden plugs or tied to 6 mm bar nibs with G.I. binding wire (cost of posts, welded steel wire fabric, painting, earth work in excavation and concrete to be paid for separately)	9.80	Rupees Nine and Paise Eighty Only	1	metre
17.36	Providing and fixing R.C.C ."KEEP LEFT" sign-board of standard design including two or more coats with white zinc paint over a priming coat and lettering with black enamel paint.	3205.60	Rupees Three Thousand Two Hundred Five and Paise Sixty Only	1	each
17.37	Providing and fixing R.C.C. name board of standard design including painting two or more coats with white zinc paint over priming coat.				
17.37.1	Rectangular with posts.	640.80	Rupees Six Hundred Forty and Paise Eighty Only	1	each
17.37.2	Flat without post for one direction only	946.15	Rupees Nine Hundred Forty Six and Paise Fifteen Only	1	each
17.37.3	Flat without post for two directions	1020.35	Rupees One Thousand Twenty and Paise Thirty Five Only	1	each
17.38	Engraving letters in hard stone	1.25	Rupees One and Paise Twenty Five Only	1	per cm height per letter
17.39	Providing and fixing 15x15x90cm boundary stone of hard stone with top 30cm chisel dressed on all four sides and on top (cost of excavation, refilling and concrete etc. to be paid for separately)	58.70	Rupees Fifty Eight and Paise Seventy Only	1	each

17.40	Providing and fixing 15cm dia at top 20cm at bottom and 90cm high precast reinforced cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) boundary stone as per standard design including finishing smooth with cement mortar 1:3 (1 cement : 3 fine sand) (cost of excavation, refilling and concreting to be paid for separately)	142.85	Rupees One Hundred Forty Two and Paise Eighty Five Only	1	each
17.41	Providing and fixing precast reinforced cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) kilometre stone as per standard design including finishing smooth in 1:3 cement mortar (1 cement : 3 fine sand) but excluding the cost of earth work, concrete in foundation, painting and lettering etc. which shall be paid for separately.				
17.41.1	35x111x25 cm size.	593.30	Rupees Five Hundred Ninety Three and Paise Thirty Only	1	each
17.41.2	50x152.5x25 cm size.	848.05	Rupees Eight Hundred Forty Eight and Paise Five Only	1	each
17.41.3	35x93.5x18 cm size.	402.65	Rupees Four Hundred Two and Paise Sixty Five Only	1	each
17.42	Surface dressing on new surface with paving bitumen of grade A-90/S-90 of approved quality using 2.25 kg of bitumen per sqm with 1.65 cum of stone chippings 13.2 mm nominal size per 100 sqm of road surface including consolidation with road roller of 6 to 8 tonne capacity etc. complete:	44.10	Rupees Forty Four and Paise Ten Only	1	sqm
17.43	Surface dressing on new surface in two coats with bitumen of grade A-90/S-90 of approved quality using 1.8kg.of bitumen per sqm with 1.5cum of stone chippings 13.2mm nominal size per 100 sqm of road surface for first coat and 1.1kg. of bitumen per sqm. with 1.00 cu.metre of stone chippings 11.2mm nominal size per 100 sqm. of road surface for second coat including consolidation of each coat separately with road roller of 6 to 8 tonne capacity etc. complete:	60.30	Rupees Sixty and Paise Thirty Only	1	sqm

17.44	Surface dressing on old surface with hot bitumen of grade A-90/ S-90 of approved quality using 1.95 kg of bitumen per sqm. with 1.50 cum of stone chippings 11.2mm nominal size per 100 sqm.of road surface including consolidation with road roller of 6 to 8 tonne capacity, etc. complete:	35.95	Rupees Thirty Five and Paise Ninety Five Only	1	sqm
17.45	Surface dressing one coat on new surface with bitumen of specified grade at a rate of 1.95 kg/sqm. of surface area with 1.5 cum. of stone chippings 13.2 mm nominal size per 100 sqm. of road surface including consolidation with road roller of 6 to 8 tonne capacity , etc. complete :				
17.45.1	Using bitumen emulsion (minimum 50% bitumen content - RS grade conforming to IS : 8887)	39.25	Rupees Thirty Nine and Paise Twenty Five Only	1	sqm
17.46	Surface dressing one coat on old surface with bitumen of specified grade at the rate of 1.22 kg/ sqm of surface area with 1.10 cum of stone chippings 11.2 mm nominal size per 100 sq.m. of road surface including consolidaton with road roller of 6 to 8 tonne capacity etc. complete :				
17.46.1	Using bitumen emulsion (minimum 50% bitumen content - RS grade conforming to IS : 8887)	25.05	Rupees Twenty Five and Paise Five Only	1	sqm
17.47	Providing and applying tack coat using hot straight run bitumen of grade 80 / 100 including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications.				
17.47.1	On W.B.M. @ 0.75 Kg / sqm.	11.50	Rupees Eleven and Paise Fifty Only	1	sqm
17.47.2	On bituminous surface @ 0.50 Kg / sqm. Note : Use of this item shall be restircted only for sites at sub-zero temperatures or for emergency applications.	8.45	Rupees Eight and Paise Forty Five Only	1	sqm
17.47A.	Providing and applying tack coat using bitumen emulsion (Rapid Setting) complying with IS 8887-1995, spraying the bitumen emulsion with mechanically operated spray unit, cleaning and preparing the existing road surface as per specifications.				
17.47A.1	On W.B.M @ 0.4kg/sqm.	6.95	Rupees Six and Paise Ninety Five Only	1	sqm

17.47A.2	On bituminous surface @ 0.25kg/sqm.	5.10	Rupees Five and Paise Ten Only	1	sqm.
17.48	2 cm premix carpet surfacing with 1.8 cu.m. and 0.90 cu.m. of stone chippings of 13.2 mm size and 11.2 mm size respectively per 100 sq.m. and 52 kg. and 56 kg. of hot bitumen per cu.m. of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen including consolidation with road roller of 6 to 9 tonne capacity etc. complete: (tack coat to be paid for separately).				
17.48.2	With paving Asphalt 80/100 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt	42.65	Rupees Forty Two and Paise Sixty Five Only	1	sqm
17.48.3	With paving Asphalt 60/70 with no solvent	40.90	Rupees Forty and Paise Ninety Only	1	sqm
17.48.4	With Refinery Modified Bitumen CRMB 55 conforming to IRC : SP : 53-1999.	48.00	Rupees Forty Eight and Paise Zero Only	1	sqm
17.49	2.5 cm premix carpet surfacing with 2.25 cu.m and 1.12 cu.m. of stone chippings of 13.2mm and 11.2mm size respectively per 100 sq.m. and 52 kg. and 56 kg. of hot bitumen per cu.m. of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen including consolidation with road roller of 6 to 9 tonne capacity etc. complete: (tack coat to be paid for separately).				
17.49.2	With paving Asphalt 80/100 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt.	51.95	Rupees Fifty One and Paise Ninety Five Only	1	sqm
17.49.3	With paving Asphalt 60/70 with no solvent	49.80	Rupees Forty Nine and Paise Eighty Only	1	sqm
17.49.4	With Refinery Modified Bitumen CRMB 55 conforming to IRC : SP : 53-1999.	58.65	Rupees Fifty Eight and Paise Sixty Five Only	1	sqm
17.50	2cm premix carpet surfacing with 2.4cu.m. of stone chippings 11.2mm nominal size per 100sq.m. and bitumen emulsion (medium setting min. 65% bitumen content) complying with IS : 8887-1995 using 96kg per cu.m. of chipping including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid for separately)	48.80	Rupees Forty Eight and Paise Eighty Only	1	sqm

17.51	2.5 cm premix carpet surfacing with 3 cu.m. of stone chippings 10 mm nominal size per 100 sq.m. and bitumen emulsion (medium setting min. 65% bitumen contents) complying with IS : 8887-1995 using 96 kg per cu.m. of chippings of road surface including consolidation with road roller etc complete (tack coat to be padifor separatel) :	59.50	Rupees Fifty Nine and Paise Fifty Only	1	sqm
17.52	Providing and laying premix bituminous macadam base course with stone aggregate of quality size and grading as specified in CPWD specifaction and straight run bitumen of grade 80/100 @ 4% by weight of total mix including hot mixing of stone aggregate and bitumen in hot mix plant, transporting mixed material and laying mixed material with paver finisher to the required level and grade, rolling with road roller of 8 to 10 tonne capacity to achieve the required compaction and density.				
17.52.1	50 mm compacted thickness	2268.20	Rupees Two Thousand Two Hundred Sixty Eight and Paise Twenty Only	1	cum
17.52.2	75 mm compacted thickness	2268.20	Rupees Two Thousand Two Hundred Sixty Eight and Paise Twenty Only	1	cum
17.53	Providing and laying Bitumen Penetration Macadam with hard stone aggregate of quality, size and grading as specified, with bitumen of suitable penetration grade including required key aggregate as specified, spreading coarse aggregate with the help of self propelled / tipper tail mounted aggregate spreader and applying bitumen by a pressure distributor and then spreading key aggregate with the help of aggregate spreader complete including consolidation with road roller of minimum 8 to 10 tonne capacity to achieve specified values of compaction and surface accuracy.				
17.53.1	For 50mm compacted thickness using coarse aggregate of size 50-20 mm graded @ 0.60 cum per 10 sqm key aggregate of size 12.5 mm graded @ 0.15 cum per 10 sqm. With paving asphalt 80/100 @ 50 kg/10 sqm	108.45	Rupees One Hundred Eight and Paise Forty Five Only	1	sqm

17.53.2	For 75 mm compacted thickness in two layers using stone aggregate of size 63-41 mm graded @ 0.90 cum per 10 sqm key aggregate of size 20.0 mm graded @ 0.18 cum per 10 sqm. With paving asphalt 80/100 @ 68 kg/10 sqm	153.90	Rupees One Hundred Fifty Three and Paise Ninety Only	1	sqm
17.54	Providing and laying 75mm thick, semi dense asphaltic base course using mineral aggregate satisfying the gradation set out in specifications with 5% binder content (By weight of total mix) with the aid of hot mix plant and paver finisher including rolling with road roller of 8 to 10 tonne capacity to achieve required compaction and density.				
17.54.1	With Bitumen 80/100.	2435.60	Rupees Two Thousand Four Hundred Thirty Five and Paise Sixty Only	1	sqm
17.54.2	With Refinery Modified Bitumen CRMB 55 conforming to IRC : SP : 53-1999.	2873.95	Rupees Two Thousand Eight Hundred Seventy Three and Paise Ninety Five Only	1	sqm
17.55	Providing and laying 4 cm. thick dense bituminous concrete surfacing course using mineral aggregate satisfying the gradation set out in the specifications with 6% binder content (By weight of total mix) with the aid of hot mix plant and paver finisher including rolling with road roller to achieve the required compaction and density.				
17.55.1	With Bitumen 80/100.	3085.35	Rupees Three Thousand Eighty Five and Paise Thirty Five Only	1	sqm
17.55.2	With Refinery Modified Bitumen CRMB 55 conforming to IRC : SP : 53-1999.	3611.40	Rupees Three Thousand Six Hundred Eleven and Paise Forty Only	1	sqm

17.56	Providing and laying 25mm thick bitumen mastic wearing course (as per specifications) with industrial bitumen of grade 85/25 conforming to IS : 702 prepared by using mastic cooker and laid to required level and slope including providing antiskid surface with bitumen precoated fine grained hard stone chipping of approved size at the rate of 0.005 cum per 10 sqm and at approximate spacing of 10 cm centre to centre in both directions, pressed into surface protruding 1mm to 4mm over mastic surface, including cleaning the surface, removal of debris etc. all complete	317.15	Rupees Three Hundred Seventeen and Paise Fifteen Only	1	sqm
17.57	2.5 cm thick bitumastic sheet with hot bitumen of approved quality using stone chippings (60% 12.5 mm nominal size and 40% 10 mm nominal size) @ 1.65 cum per 100 sq.m. and coarse sand at 1.65 cu.m. per 100 sq.m. of road surface and with bitumen @ 56 kg/cu.m. of stone chippings and at 128 kg/cu.m. of sand over a tack coat with hot straight run bitumen including consolidation with road roller of 8 to 10 tonne etc. complete.(tack coat to be paid separately).				
17.57.2	With paving Asphalt 80/100 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt.	68.20	Rupees Sixty Eight and Paise Twenty Only	1	sqm
17.57.3	With paving Asphalt 60/70	64.55	Rupees Sixty Four and Paise Fifty Five Only	1	sqm
17.57.4	With Refinery Modified Bitumen CRMB 55 conforming to IRC : SP : 53-1999.	79.45	Rupees Seventy Nine and Paise Forty Five Only	1	sqm
17.58	4 cm thick bitumastic sheet with hot bitumen of approved quality using stone chippings (60% 12.5mm nominal size and 40% 10mm nominal size) @ 2.60cu.m. per 100 sq.m. and coarse sand at 2.60cu.m. per 100 sq.m. of road surface and with bitumen @ 56 kg/cu.m of stone chippings and at 128 kg/cu.m. of sand over a tack coat with hot straight run bitumen including consolidation with road roller of 8 to 10 tonne etc. complete. (tack coat to be paid separately).				
17.58.2	With paving Asphalt 80/100 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt	105.00	Rupees One Hundred Five and Paise Zero Only	1	sqm
17.58.3	With paving asphalt 60/70 with no solvent	99.25	Rupees Ninety Nine and Paise Twenty Five Only	1	sqm

17.58.4	With Refinery Modified Bitumen CRMB 55 conforming to IRC : SP : 53-1999.	122.80	Rupees One Hundred Twenty Two and Paise Eighty Only	1	sqm
17.59*	Providing and laying seal coat of premixed fine aggregate (passing 2.36 mm and retained on 180 micron sieve) with bitumen using 128 kg of bitumen of grade 80 / 100 bitumen per cum of fine aggregate and 0.60 cum of fine aggregate per 100 sqm of road surface including rolling and finishing with road roller all complete .	19.30	Rupees Nineteen and Paise Thirty Only	1	sqm
17.60*	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg. of bitumen of grade 80/100 and blinding surface with 0.90cum of stone aggregate of 6.7mm size (Passing 11.2mm sieve and retained on 2.36mm sieve) per 100 sqm of road surface including rolling and finishing with power road roller all complete * Note : For item no. 17.59 and 17.60 :- Item to be operated only with the prior approval of CE concerned.	25.90	Rupees Twenty Five and Paise Ninety Only	1	sqm
17.61	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete.	1848.00	Rupees One Thousand Eight Hundred Forty Eight and Paise Zero Only	1	cum
17.62	Providing and laying design mix cement concrete in roads, taxi tracks and runways having a minimum works test beam flexural strength of 30 kg. per cm2. at 28 days using not less than 340 Kg. of cement per cum of finished concrete, coarse sand and graded stone aggregate of 40mm nominal size in appropriate proportions as per specified design criteria approved by Engineer-in-charge mechanically vibrated using needle and surface vibrators including steel form work with sturdy M. S. channel sections including curing and providing and filling construction joints and dummy joints with shalijet primer or equivalent including rounding of the edges and filling the grooves 10x25mm deep at top for construction joints and 10mmx50mm deep at top for dummy joints with joint sealing compound (conforming to grade B of IS : 1834) including making necessary arrangements for expansion joints etc. all complete.	2131.80	Rupees Two Thousand One Hundred Thirty One and Paise Eighty Only	1	cum
17.63	Extra for providing and mixing hard crete of approved quality as per manufacture specification.	25.35	Rupees Twenty Five and Paise Thirty Five Only	1	litre

17.64	Providing and fixing in position premoulded joint filler in expansion joints.	1.40	Rupees One and Paise Forty Only	1	per cm. depth per cm. width per m. length
17.65	Providing and laying in position bitumen hot sealing compound for expansion joints etc.				
17.65.1	Using grade 'A' sealing compound.	0.75	Zero Rupee and Paise Seventy Five Only	1	per cm. depth per cm. width per m. length
17.66	Painting runway/taxi track/apron marking with adequate no. of coats to give uniform finish with road marking paint of superior make like Goodlas Nerolac Brand No.452/002 or equivalent as approved by the Engineer-in-charge i/c cleaning the surface of all dirt, scales, oil, grease and other foreign material etc. and lining out complete.				
17.66.1	New work (Two or more coats)	53.85	Rupees Fifty Three and Paise Eighty Five Only	1	sqm
17.66.2	Old work (One or more coats)	33.00	Rupees Thirty Three and Paise Zero Only	1	sqm
17.67	Painting road surface marking with adequate no. of coats to give uniform finish with ready mixed road marking paint conforming to IS : 164, on bituminous surface in white/yellow shade including cleaning the surface of all dirt, scales, oil, grease and foreign material etc. complete.				
17.67.1	New work (Two or more coats)	41.00	Rupees Forty One and Paise Zero Only	1	sqm
17.67.2	Old work (One or more coats)	26.30	Rupees Twenty Six and Paise Thirty Only	1	sqm

17.68	Making bell mouth opening / entrance of size 100x50x50cm for drainage pipe under footpath including providing cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) for shape of bell mouth including plastering providing and fixing 100x50x5 cm size precast R.C.C. slab 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) reinforced with cold twisted bars reinforcement @ 100 kg per cum of reinforced concrete including plastering with cement mortar 1:3 (1 cement : 3 fine sand) of 6mm thickness on exposed surface of the slab & bell mouth including centring, shuttering & neat cement punning inside the bell mouth etc. all complete.	588.95	Rupees Five Hundred Eighty Eight and Paise Ninety Five Only	1	each
17.69	Providing and fixing Cat's Eye (Glow studs) heavy duty integral stem, reflective, aluminium die cast with elegant finish of size 100x100 mm and 20 mm high having a stem of 50 mm (or 12 mm dia. 90 mm long) screwed and nailed to fix into the road surface or at the nosing of the central verge. The road studs should have reflectors fitted on one side of the studs (3 Nos. 7 element or 1 No, 29 element reflector) complete.	342.80	Rupees Three Hundred Forty Two and Paise Eighty Only	1	each
17.70	Preparation of sub-base road pavement with commercial dry lime (slaked), fly ash stabilised soil with a mix of 3% lime, 12% fly ash and 85% local suitable soil by weight, so as to achieve minimum field C.B.R. of 20 including mixing, rolling with road roller curing etc. all complete.				
17.70.1	Minimum thickness 15 cm.	203.45	Rupees Two Hundred Three and Paise Forty Five Only	1	cum
17.71	Providing and fixing precast lime fly ash concrete blocks 1:2:3:6 (1lime : 2 fly ash : 3 coarse sand : 6 stone aggregate 20mm nominal size) including finishing with 10mm thick cement mortar 1:3 (1cement : 3 coarse sand) in foot paths including preparation of sub grade with a hand rammer, laying 10mm thick levelling course of fine sand (jamuna sand) and filling the joints with fine sand.	2010.90	Rupees Two Thousand Ten and Paise Ninety Only	1	cum
HORTICULTURE AND LANDSCAPING					

18.1	Trenching in ordinary soil upto a depth of 60cm including removal and stacking of serviceable materials and then disposing of by spreading and neatly levelling with in a lead of 50m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or/and manure before and after flooding trench with water (excluding cost of imported earth, sludge or manure).	11.15	Rupees Eleven and Paise Fifteen Only	1	cum
18.2	Supplying and stacking of good earth at site including royalty and carriage upto 1 km (earth measured in stacks will be reduced by 20% for payment).	79.55	Rupees Seventy Nine and Paise Fifty Five Only	1	cum
18.3	Supplying and stacking sludge at site including royalty and carriage upto 1 km (sludge measured in stacks will be reduced by 8% for payment).	78.10	Rupees Seventy Eight and Paise Ten Only	1	cum
18.4	Supplying and stacking at site dump manure from Badli or other approved source, including carriage upto 1 km (manure measured in stacks will be reduced by 8% for payment)				
18.4.1	Screened through sieve of I.S. designation 20mm	40.60	Rupees Forty and Paise Sixty Only	1	cum
18.4.2	Screened through sieve of I.S. designation 16mm	45.75	Rupees Forty Five and Paise Seventy Five Only	1	cum
18.4.3	Screened through sieve of I.S. designation 4.75mm	49.85	Rupees Forty Nine and Paise Eighty Five Only	100	100 sqm
18.5	Rough dressing the trenched ground including breaking clods.	21.70	Rupees Twenty One and Paise Seventy Only	100	100 sqm
18.6	Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation.	70.15	Rupees Seventy and Paise Fifteen Only	100	100 sqm
18.7	Fine dressing the ground	52.65	Rupees Fifty Two and Paise Sixty Five Only	1	cum
18.8	Spreading of sludge, dump manure or/and good earth in required thickness (Cost of sludge, dump manure or/ and good earth to be paid separately).	7.60	Rupees Seven and Paise Sixty Only	1	cum
18.9	Mixing earth and sludge or manure in proportion specified or directed.	5.15	Rupees Five and Paise Fifteen Only	1	cum
18.10	Grassing with 'Doob' grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing including supplying good earth if needed (the good earth shall be paid for separately).				

18.10.1	In rows 15 cm apart in either direction.	79.40	Rupees Seventy Nine and Paise Forty Only	100	100 sqm
18.10.2	In rows 7.5 cm apart in either direction.	164.95	Rupees One Hundred Sixty Four and Paise Ninety Five Only	100	100 sqm
18.10.3	In rows 5 cm apart in either direction.	252.80	Rupees Two Hundred Fifty Two and Paise Eighty Only	100	100 sqm
18.11	Renovating lawns including weeding, cheeling the grass, forking the ground, top dressing with sludge or manure, mixing the same with forked soil, watering and maintaining the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing and dis-posal of rubbish as directed, including supplying good earth if needed but excluding the cost of sludge or manure (the good earth shall be paid for separately).	487.55	Rupees Four Hundred Eighty Seven and Paise Fifty Five Only	100	100 sqm
18.12	Uprooting rank vegetation and weeds by digging the area to a depth of 60cm removing all weeds and other growth with roots by forking re-peatedly, breaking clods, rough dressing, flooding with water, uprooting fresh growths after 10 to 15 days and then fine dressing for planting new grass, including disposal of all rubbish with all leads and lifts.	866.35	Rupees Eight Hundred Sixty Six and Paise Thirty Five Only	100	100 sqm
18.13	Preparation of beds for hedging and shrubbery by excavating 60cm deep and trenching the excavated base to a further depth of 30cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, levelling etc. including stacking and disposal of materials declared unserviceable and surplus earth by spreading and levelling as directed, within a lead of 50m lift upto 1.5 m complete (cost of sludge, manure or extra earth to be paid for sepa-rately).	31.50	Rupees Thirty One and Paise Fifty Only	1	cum

18.14	Digging holes in ordinary soil and refilling the same with the exca-vated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately):				
18.14.1	Holes 1.2 m dia and 1.2 m deep.	130.90	Rupees One Hundred Thirty and Paise Ninety Only	1	each
18.14.2	Holes 60 cm dia, and 60 cm deep.	16.90	Rupees Sixteen and Paise Ninety Only	1	each
18.15	Half brick circular tree guard in 50 class designation bricks, inter-nal diameter 1.25 metre and height 1.2 metre above ground and 0.20 m below ground bottom two courses laid dry and top three courses in lime mortar 1:2 (1 lime putty : 2 surkhi) or cement mortar 1:6 (1 cement : 6 fine sand) and the intermediate courses being in dry honey comb masonry as per design complete:				
18.15.1	With F.P.S. Bricks	403.05	Rupees Four Hundred Three and Paise Five Only	1	each
18.16	Providing and fixing M.S. flat iron tree guard 60cm dia. and 2m height above ground level formed of 4 nos. 25x6mm and 8 nos. 25x3mm vertical M.S. flats rivetted to 3 nos. 25x6mm M.S. flat iron rings in two halves, bolted together with 8mm dia. and 30mm long bolts including painting two coats with paint of approved brandand manu-facture over a coat of priming, complete in all respects.	934.80	Rupees Nine Hundred Thirty Four and Paise Eighty Only		
18.17	Making tree guard 53 cm dia. and 1.3 m high as per design from empty coal tar drums supplied free by the department including provid-ing and fixing 2 nos. M.S. sheet rings 50 x 0.5 mm with rivets complete in all respects including painting inside and outside of tree guard with:				
18.17.1	A coat of coal tar	67.95	Rupees Sixty Seven and Paise Ninety Five Only	1	each
18.17.2	Two or more coats of ready mixed paint of approved quality shade over a priming coat.	130.45	Rupees One Hundred Thirty and Paise Forty Five Only	1	each

18.18	Making tree guard 53 cm dia. and 2 m high as per design from empty coal tar drums supplied free by the department including providing and fixing four legs 40 cm long of 30 x 3 mm M.S. flat riveted to tree guard and providing and fixing 2 nos. M.S. sheet rings 50 x 0.5 mm with rivets complete in all re-spects including painting inside and outside of tree guard with :				
18.18.1	A coat of coal tar.	136.65	Rupees One Hundred Thirty Six and Paise Sixty Five Only	1	each
18.18.2	Two or more coats of ready mixed paint of approved quality and shade over a priming coat.	233.25	Rupees Two Hundred Thirty Three and Paise Twenty Five Only	1	each
18.19	Edging with bricks laid dry length- wise including excavation, refill-ing, consolidating with hand packing and spreading neatly surplus earth within a lead of 50 m :				
18.19.1	75 class designation.				
18.19.1.1	F.P.S. Bricks	10.15	Rupees Ten and Paise Fifteen Only	1	metre
18.19.2	50 designation.				
18.19.2.1	F.P.S. Bricks.	9.30	Rupees Nine and Paise Thirty Only	1	metre
18.20	Filling mixture of earth and sludge or manure in the desired proportion in trenches, flooding with water and levelling (cost of supplying earth and sludge or manure and mixingexcluded).	2.60	Rupees Two and Paise Sixty Only	1	cum
18.21	Excavation in dumped stones or malba including stacking of serv-iceable and unserviceable material separately and disposal of unserv-iceable material lead upto 50 m and lift upto 1.5 m disposed material to be neatly dressed.	72.35	Rupees Seventy Two and Paise Thirty Five Only	1	cum
18.22	Excavation in bajri path including- stacking of serviceable and unserv-iceable material lead upto 50 m and lift upto 1.5 m disposed material to be neatly dressed	80.60	Rupees Eighty and Paise Sixty Only	1	cum
18.23	Excavation in water bound macadam road including stacking the serv-iceable and unserviceable material separately and disposal of unserv-iceable material lead upto 50 m and lift upto 1.5 m disposed material to beneatly dressed.	99.20	Rupees Ninety Nine and Paise Twenty Only	100	100 sqm
18.24	Flooding the ground with water including making kiaries and dismentling the same.	43.00	Rupees Forty Three and Paise Zero Only		
	SANITARY INSTALLATIONS				

19.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, Parryware/Hindware/Seabird/Orient (Coral) with all fittings and fixtures complete including cutting and making good the walls and floors wherever required.				
19.1.1	White Vitreous china Long pan pattern W.C. pan of size 580 mm	1350.80	Rupees One Thousand Three Hundred Fifty and Paise Eighty Only	1	each
19.1.2	White Vitreous china Orissa pattern W.C. pan.of size 580x440mm with integral type foot rests	1767.45	Rupees One Thousand Seven Hundred Sixty Seven and Paise Forty Five Only	1	each
19.1.3	Salem Stainless Steel AISI-304(18/8) Orissa pattern W.C.pan of size 724x578mm with integreated type foot rests.	3738.35	Rupees Three Thousand Seven Hundred Thirty Eight and Paise Thirty Five Only	1	each
19.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever), conforming to IS : 7231, Parryware/Hindware/Seabrid /Orient (Coral) with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :				
19.2.2	W.C. pan with ISI marked white solid plastic seat and lid	1613.00	Rupees One Thousand Six Hundred Thirteen and Paise Zero Only	1	each
19.2.3	W.C. pan with ISI marked black solid plastic seat and lid	1566.35	Rupees One Thousand Five Hundred Sixty Six and Paise Thirty Five Only	1	each
19.3	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level flushing cistern with fittings & C.I./M.S. brackets, 40mm flush bend, over-flow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required				

19.3.2	W.C. pan with ISI marked white solid plastic seat and lid with white vitreous china flushing cistern & C.P. flush	2702.35	Rupees Two Thousand Seven Hundred Two and Paise Thirty Five Only	1	each
19.3.3	W.C. pan with ISI marked black solid plastic seat and lid, with white vitreous china flushing cistern and C.P.flush bend	2655.70	Rupees Two Thousand Six Hundred Fifty Five and Paise Seventy Only	1	each
19.4	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm and 340x410x265mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :				
19.4.1	One urinal basin with 5 litre white P.V.C. automatic flush-ing cistern Parryware/Hindware/Seabird/Orient(Coral)	1437.95	Rupees One Thousand Four Hundred Thirty Seven and Paise Ninety Five Only	1	each
19.4.2	Range of two urinal basins with 5 litre white P.V.C. automatic flushing cistern Parryware/Hindware/Seabird/Orient(Coral)	2344.15	Rupees Two Thousand Three Hundred Forty Four and Paise Fifteen Only	1	each
19.4.3	Range of three urinal basins with 10litre white P.V.C. automatic flushing cistern Parryware/Hindware Seabird/Orient(Coral)	3093.15	Rupees Three Thousand Ninety Three and Paise Fifteen Only	1	each
19.4.4	Range of four urinal basins with 10 litre white P.V.C. automatic flushing cistern Parryware/Hindware Seabird/Orient (Coral)	4148.85	Rupees Four Thousand One Hundred Forty Eight and Paise Eighty Five Only	1	each
19.5	Providing and fixing white vitreous china flat back half stall urinal of 580x380x350mm with white PVC automatic flushing cistern, Parryware/Hindware/Seabird/Oreint (Coral) with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass including painting of fittings and cutting and making good the walls and floors wherever required:				
19.5.1	Single half stall urinal with 5 litre P.V.C. automatic flushing cistern.	2646.70	Rupees Two Thousand Six Hundred Forty Six and Paise Seventy Only	1	each

19.5.2	Range of two half stall urinals with 5 litre P.V.C. automatic flushing cistern	4162.40	Rupees Four Thousand One Hundred Sixty Two and Paise Forty Only	1	each
19.5.3	Range of three half stall urinals with 10 litre P.V.C. automatic flushing cistern	5484.15	Rupees Five Thousand Four Hundred Eighty Four and Paise Fifteen Only	1	each
19.5.4	Range of four half stall urinals with 10 litre P.V.C. automatic flushing cistern	6714.15	Rupees Six Thousand Seven Hundred Fourteen and Paise Fifteen Only	1	each
19.6	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, Parryware/Hindware/Seabird/Orient (Coral) with fittings, standard size G.I. flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete including painting of fittings and cutting and making good the walls and floors etc. wherever required.				
19.6.1	Single squatting plate with 5 litre P.V.C. automatic flushing cistern	1715.55	Rupees One Thousand Seven Hundred Fifteen and Paise Fifty Five Only	1	each
19.6.2	Range of two squatting plates with 5 litre P.V.C. automatic flushing cistern	2486.75	Rupees Two Thousand Four Hundred Eighty Six and Paise Seventy Five Only	1	each
19.6.3	Range of three squatting plates with 10 litre P.V.C. automatic flushing cistern	3306.60	Rupees Three Thousand Three Hundred Six and Paise Sixty Only	1	each
19.6.4	Range of four squatting plates with 10 litre P.V.C. automatic flushing cistern	4004.70	Rupees Four Thousand Four and Paise Seventy Only	1	each
19.7	Providing and fixing wash basin with C.I./M.S. brackets, 15 mm C.P. brass pillar taps, Kingston/Gem/Techno/Parko, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require :A] White Vitreous china				
19.7.1	Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	1064.05	Rupees One Thousand Sixty Four and Paise Five Only	1	each

19.7.2	Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	964.50	Rupees Nine Hundred Sixty Four and Paise Fifty Only	1	each
19.7.3	Wash basin size 550x400 mm with a pair of 15 mm C.P.brass pillar taps	869.65	Rupees Eight Hundred Sixty Nine and Paise Sixty Five Only	1	each
19.7.4	Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap	770.10	Rupees Seven Hundred Seventy and Paise Ten Only	1	each
19.7.6	Angle back wash basin size 600x480 mm with single 15 mm C.P.brass pillar tap	825.65	Rupees Eight Hundred Twenty Five and Paise Sixty Five Only	1	each
19.7.8	Angle back wash basin size 400x400 mm with single 15 mm C.P.brass pillar tap	714.55	Rupees Seven Hundred Fourteen and Paise Fifty Five Only	1	each
19.7.9	Flat back wash basin size 450x300 mm with single 15 mm C.P.brass pillar tap	686.75	Rupees Six Hundred Eighty Six and Paise Seventy Five Only		each
19.7.10	Surgeon type wash basin of size 660x460 mm with a pair of 15 mm C.P. brass pillar taps with elbow operated levers.	1565.15	Rupees One Thousand Five Hundred Sixty Five and Paise Fifteen Only	1	each
19.7.11	Surgeon type wash basin of size 660x460 mm with single 15 mm C.P. brass pillar taps with elbow operated levers ISI marked	1312.25	Rupees One Thousand Three Hundred Twelve and Paise Twenty Five Only	1	each
19.7.12	Salem Stainless Steel AISI-304(18/8) Round basin 405x355 mm with single 15 mm C.P.brass pillar tap	1657.75	Rupees One Thousand Six Hundred Fifty Seven and Paise Seventy Five Only	1	each
19.7.13	Salem Stainless Steel AISI-304(18/8) Wash basin 530x345 mm with single 15 mm C.P. brass pillar tap	1414.45	Rupees One Thousand Four Hundred Fourteen and Paise Forty Five Only		each
19.8	Add for				
19.8.2	Providing 32 mm dia. C.P. brass trap	76.00	Rupees Seventy Six and Paise Zero Only	1	each
19.8.3	Providing 32 mm dia. C.P. brass union.	48.20	Rupees Forty Eight and Paise Twenty Only	1	each
19.9	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	579.45	Rupees Five Hundred Seventy Nine and Paise Forty Five Only	1	each

19.10	Providing and fixing kitchen sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P. brass waste complete, including painting the fittings and brackets, cutting and making good the walls wherever required.				
19.10.2	White glazed fire clay kitchen sink of size 600x450x250 mm	1517.90	Rupees One Thousand Five Hundred Seventeen and Paise Ninety Only	1	each
19.10A	Providing and fixing Salem Stainless Steel A ISI 304 (18/8) kitchen sink as per I.S. 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required :				
19.10A.1	Kitchen sink with drain board				
19.10A.1.1	510x1040mm bowl depth 178mm	2164.15	Rupees Two Thousand One Hundred Sixty Four and Paise Fifteen Only	1	each
19.10A.1.2	460x915mm bowl depth 178mm	1512.00	Rupees One Thousand Five Hundred Twelve and Paise Zero Only	1	each
19.10A.2	Kitchen sink without drain board				
19.10A.2.1	610x510mm bowl depth 200 mm	1326.55	Rupees One Thousand Three Hundred Twenty Six and Paise Fifty Five Only	1	each
19.10A.2.2	610x460mm bowl depth 178 mm	1265.45	Rupees One Thousand Two Hundred Sixty Five and Paise Forty Five Only	1	each
19.10A.2.3	470x420mm bowl depth 178 mm	1159.90	Rupees One Thousand One Hundred Fifty Nine and Paise Ninety Only		each
19.11	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug 40mm C.P brass waste and 40mm C.P.brass trap with necessary C.P. brass unions complete including painting of fittings and brackets, cutting and making good the wall wherever required:				
19.11.1	Size 450x300x150mm	1025.70	Rupees One Thousand Twenty Five and Paise Seventy Only	1	each

19.11.2	Size 600x450x200mm	1668.95	Rupees One Thousand Six Hundred Sixty Eight and Paise Ninety Five Only		each
19.12B	Providing and fixing draining board with C.I./M.S. brackets including painting of brackets, cutting and making good the walls wherever required.				
19.12B.1	White glazed fire clay draining board of size 600x450x25mm	462.70	Rupees Four Hundred Sixty Two and Paise Seventy Only	1	each
19.14	Providing and fixing white vitreous china water closet squatting pan (Indian type)				
19.14.1	Long pattern W.C. pan of size 580 mm	365.15	Rupees Three Hundred Sixty Five and Paise Fifteen Only	1	each
19.14.2	Orissa pattern W.C. pan of size 580x440 mm	781.80	Rupees Seven Hundred Eighty One and Paise Eighty Only		each
19.14A	Extra for using coloured W.C. pan instead of white W.C. pan				
19.14A.1	Orissa pattern W.C. pan 580x440 mm	341.10	Rupees Three Hundred Forty One and Paise Ten Only	1	each
19.15	Providing and fixing white vitreous china pedestal type (European type/wash down type) water closet pan.	615.15	Rupees Six Hundred Fifteen and Paise Fifteen Only	1	each
19.15A	Extra for using coloured pedestal type W.C. pan (European type) with low level cistern of same colour instead of white vitreous china W.C. pan and cistern.	644.40	Rupees Six Hundred Forty Four and Paise Forty Only		each
19.16	Providing and fixing a pair of white vitreous china foot rests of standard pattern for squatting pan water closet:				
19.16.1	250x130x30 mm	92.15	Rupees Ninety Two and Paise Fifteen Only	1	each pair
19.16.2	250x125x25 mm	86.60	Rupees Eighty Six and Paise Sixty Only	1	each pair
19.20A	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, Parryware/Hindware/Seabird/Orient (Coral) with all fittings and fixtures complete.				
19.20A.1	10 litre capacity - White	585.70	Rupees Five Hundred Eighty Five and Paise Seventy Only	1	each
19.20A.2	10 litre capacity - coloured	623.65	Rupees Six Hundred Twenty Three and Paise Sixty Five Only		each

19.21A	Providing and fixing controlled flush, low level cistern made of vitreous china with all fittings complete.				
19.21A.1	10 litre (full flush) capacity-white	1027.80	Rupees One Thousand Twenty Seven and Paise Eighty Only	1	
19.21A.2	10 litre (full flush) capacity-coloured	1355.55	Rupees One Thousand Three Hundred Fifty Five and Paise Fifty Five Only		each
19.23	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan Parryware/Hindware/Seabird/Orient (Coral) complete				
19.23.1	White solid plastic seat with lid	205.05	Rupees Two Hundred Five and Paise Five Only	1	
19.23.2	Black solid plastic seat with lid	158.40	Rupees One Hundred Fifty Eight and Paise Forty Only	1	each
19.23A	Extra for providing coloured other than black solid P.V.C. plastic seat and cover in European type W.C. pan, instead of white plastic seat and cover.	33.35	Rupees Thirty Three and Paise Thirty Five Only	1	each
19.24	Providing and fixing G.I. chain with G.I. pull	16.85	Rupees Sixteen and Paise Eighty Five Only	1	each
19.26	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm and 340x410x265mm sizes respectively.	378.65	Rupees Three Hundred Seventy Eight and Paise Sixty Five Only	1	each
19.28	Providing and fixing white vitreous china squatting plate urinal with integral rim longitudinal flush pipe.	709.30	Rupees Seven Hundred Nine and Paise Thirty Only	1	each
19.29	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings:				
19.29.1	Flat back wash basin of size 630x450mm.	628.20	Rupees Six Hundred Twenty Eight and Paise Twenty Only	1	each
19.29.2	Flat back wash basin of size 550x400mm.	433.75	Rupees Four Hundred Thirty Three and Paise Seventy Five Only	1	each
19.29.3	Angle back wash basin of size 600x480mm.	489.30	Rupees Four Hundred Eighty Nine and Paise Thirty Only	1	each
19.29.4	Angle back wash basin of size 400x400mm.	378.20	Rupees Three Hundred Seventy Eight and Paise Twenty Only	1	each
19.29.5	Flat back wash basin of size 450x300mm.	350.45	Rupees Three Hundred Fifty and Paise Forty Five Only	1	each

19.29.6	Surgeon type wash basin of size 660x460mm.	822.60	Rupees Eight Hundred Twenty Two and Paise Sixty Only	1	each
19.3	Providing and fixing kitchen sink including making all connections excluding cost of fittings.				
19.30.2	White glazed fire clay sink of size 600x450x250mm.	1258.45	Rupees One Thousand Two Hundred Fifty Eight and Paise Forty Five Only	1	each
19.31	Providing and fixing white vitreous china laboratory sink including making all connections excluding cost of fittings:				
19.31.1	Size 450x300x150 mm.	615.15	Rupees Six Hundred Fifteen and Paise Fifteen Only	1	each
19.31.2	Size 600x450x200 mm.	1258.45	Rupees One Thousand Two Hundred Fifty Eight and Paise Forty Five Only	1	each
19.34A	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
19.34A.1	Semi rigid pipe				
19.34A.1.1	32 mm dia	27.70	Rupees Twenty Seven and Paise Seventy Only	1	each
19.34A.1.2	40 mm dia	31.05	Rupees Thirty One and Paise Five Only	1	each
19.34A.2	Flexible pipe				
19.34A.2.1	32 mm dia	31.05	Rupees Thirty One and Paise Five Only	1	each
19.34A.2.2	40 mm dia	33.25	Rupees Thirty Three and Paise Twenty Five Only	1	each
19.38	Providing and fixing 100mm sand cast Iron grating for gully, floor or Nahani trap.	9.65	Rupees Nine and Paise Sixty Five Only	1	each
19.41	Providing and fixing in position 25mm diameter mosquito proof coupling of approved municipal design.	17.95	Rupees Seventeen and Paise Ninety Five Only	1	each
19.42	Providing and fixing 600x450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	385.90	Rupees Three Hundred Eighty Five and Paise Ninety Only		each

19.42A	Providing and fixing mirror thickness of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing				
19.42A.1	Circular shape 450mm dia.	323.30	Rupees Three Hundred Twenty Three and Paise Thirty Only	1	each
19.42A.2	Rectangular shape 453x357mm	291.10	Rupees Two Hundred Ninety One and Paise Ten Only	1	each
19.42A.3	Oval shape 450x350mm (outer dimensions)	307.35	Rupees Three Hundred Seven and Paise Thirty Five Only	1	each
19.42A.4	Rectangular shape 1500x450 mm	822.15	Rupees Eight Hundred Twenty Two and Paise Fifteen Only	1	each
19.43	Providing and fixing 600x120x5mm glass shelf with edges round of supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40mm long screws,rawl plugs etc., complete	146.65	Rupees One Hundred Forty Six and Paise Sixty Five Only		each
19.45	Providing and fixing toilet paper holder				
19.45.1	C.P. brass	83.65	Rupees Eighty Three and Paise Sixty Five Only	1	each
19.45.2	Vitreous china	111.20	Rupees One Hundred Eleven and Paise Twenty Only	1	each
19.48	Providing and fixing soil, waste and vent pipes :				
19.48.1	100 mm dia.				
19.48.1.1	Sand cast iron S&S pipe	258.95	Rupees Two Hundred Fifty Eight and Paise Ninety Five Only	1	metre
19.48.1.2	Centrifugally cast (spun) iron S&S pipe	361.45	Rupees Three Hundred Sixty One and Paise Forty Five Only	1	metre
19.48.2	75 mm diameter				
19.48.2.1	Sand cast iron S&S pipe	219.70	Rupees Two Hundred Nineteen and Paise Seventy Only	1	metre
19.48.2.2	Centrifugally cast (spun) iron S&S pipe	310.25	Rupees Three Hundred Ten and Paise Twenty Five Only	1	metre
19.48A	Providing and filling the joints with spun yarn cement slurry and cement mortar 1:2 (1 cement :2 fine sand) in S.C.I./ C.I. pipes				
19.48A.2	75 mm dia pipe	18.55	Rupees Eighteen and Paise Fifty Five Only	1	each

19.48A.3	100 mm dia pipe	21.85	Rupees Twenty One and Paise Eighty Five Only	1	each
19.49	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc.				
19.49.1	For 100 mm dia. pipe	44.35	Rupees Forty Four and Paise Thirty Five Only	1	each
19.49.2	For 75 mm dia. pipe	43.25	Rupees Forty Three and Paise Twenty Five Only	1	each
19.50	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
19.50.1	100 mm				
19.50.1.1	Sand cast iron S&S	157.35	Rupees One Hundred Fifty Seven and Paise Thirty Five Only	1	each
19.50.1.2	Centrifugally cast (spun) iron S&S	171.80	Rupees One Hundred Seventy One and Paise Eighty Only		each
19.50.2	75 mm				
19.50.2.1	Sand cast iron S&S	121.00	Rupees One Hundred Twenty One and Paise Zero Only	1	each
19.50.2.2	Centrifugally cast (spun) iron S&S	137.65	Rupees One Hundred Thirty Seven and Paise Sixty Five Only	1	each
19.51	Providing and fixing plain bend of required degree.				
19.51.1	100 mm				
19.51.1.1	Sand cast iron S&S	120.70	Rupees One Hundred Twenty and Paise Seventy Only	1	each
19.51.1.2	Centrifugally cast (spun) iron S&S	136.25	Rupees One Hundred Thirty Six and Paise Twenty Five Only	1	each
19.51.2	75 mm				
19.51.2.1	Sand cast iron S&S	101.00	Rupees One Hundred One and Paise Zero Only	1	each
19.51.2.2	Centrifugally cast (spun) iron S&S	91.00	Rupees Ninety One and Paise Zero Only		each
19.52	Providing and fixing heel rest sanitary bend				
19.52.1	100 mm dia				

19.52.1.1	Sand cast iron S&S	146.25	Rupees One Hundred Forty Six and Paise Twenty Five Only	1	each
19.52.1.2	Centrifugally cast (spun) iron S&S	167.35	Rupees One Hundred Sixty Seven and Paise Thirty Five Only	1	each
19.52.2	75 mm				
19.52.2.1	Sand cast iron S&S	113.20	Rupees One Hundred Thirteen and Paise Twenty Only	1	each
19.52.2.2	Centrifugally cast (spun) iron S&S	146.55	Rupees One Hundred Forty Six and Paise Fifty Five Only	1	each
19.53	Providing and fixing double equal junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
19.53.1	100x100x100x100mm				
19.53.1.1	Sand cast iron S&S	306.15	Rupees Three Hundred Six and Paise Fifteen Only	1	each
19.53.1.2	Centrifugally cast (spun) iron S&S	353.90	Rupees Three Hundred Fifty Three and Paise Ninety Only	1	each
19.53.2	75x75x75x75mm				
19.53.2.1	Sand cast iron S&S	213.20	Rupees Two Hundred Thirteen and Paise Twenty Only	1	each
19.53.2.2	Centrifugally cast (spun) iron S&S	276.50	Rupees Two Hundred Seventy Six and Paise Fifty Only	1	each
19.54	Providing and fixing double equal plain junction of required degree.				
19.54.1	100x100x100x100mm				
19.54.1.1	Sand cast iron S&S	277.35	Rupees Two Hundred Seventy Seven and Paise Thirty Five Only	1	each
19.54.1.2	Centrifugally cast (spun) iron S&S	312.90	Rupees Three Hundred Twelve and Paise Ninety Only	1	each
19.54.2	75x75x75x75mm				
19.54.2.1	Sand cast iron S&S	193.20	Rupees One Hundred Ninety Three and Paise Twenty Only	1	each
19.54.2.2	Centrifugally cast (spun) iron S&S	249.85	Rupees Two Hundred Forty Nine and Paise Eighty Five Only		each
19.55	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				

19.55.1	100x100x100mm				
19.55.1.1	Sand cast iron S&S	225.15	Rupees Two Hundred Twenty Five and Paise Fifteen Only	1	each
19.55.1.2	Centrifugally cast (spun) iron S&S	276.25	Rupees Two Hundred Seventy Six and Paise Twenty Five Only		each
19.55.2	75x75x75mm			1	
19.55.2.1	Sand cast iron S&S	164.30	Rupees One Hundred Sixty Four and Paise Thirty Only	1	each
19.55.2.2	Centrifugally cast (spun) iron S&S	190.95	Rupees One Hundred Ninety and Paise Ninety Five Only		each
19.56	Providing and fixing single equal plain junction of required degree.				
19.56.1	100x100x100mm				
19.56.1.1	Sand cast iron S&S	195.15	Rupees One Hundred Ninety Five and Paise Fifteen Only	1	each
19.56.1.2	Centrifugally cast (spun) iron S&S	239.55	Rupees Two Hundred Thirty Nine and Paise Fifty Five Only		each
19.56.2	75x75x75mm				
19.56.2.1	Sand cast iron S&S	137.65	Rupees One Hundred Thirty Seven and Paise Sixty Five Only	1	each
19.56.2.2	Centrifugally cast (spun) iron S&S	159.85	Rupees One Hundred Fifty Nine and Paise Eighty Five Only	1	each
19.57	Providing and fixing double unequal junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete :				
19.57.1	100x100x75x75mm				
19.57.1.1	sand cast iron S&S	330.65	Rupees Three Hundred Thirty and Paise Sixty Five Only	1	each
19.57.1.2	Centrifugally cast (spun) iron S&S	396.20	Rupees Three Hundred Ninety Six and Paise Twenty Only	1	each
19.58	Providing and fixing double unequal plain junction of required degree:				
19.58.1	100x100x75x75mm				
19.58.1.1	Sand cast iron S&S	294.00	Rupees Two Hundred Ninety Four and Paise Zero Only	1	each
19.58.1.2	Centrifugally cast (spun) iron S&S	330.65	Rupees Three Hundred Thirty and Paise Sixty Five Only	1	each

19.59	Providing and fixing single unequal junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete:				
19.59.1	100x100x75mm				
19.59.1.1	Sand cast iron S&S	218.45	Rupees Two Hundred Eighteen and Paise Forty Five Only	1	each
19.59.1.2	Centrifugally cast (spun) iron S&S	311.80	Rupees Three Hundred Eleven and Paise Eighty Only	1	each
19.6	Providing and fixing single unequal plain junction of required degree:				
19.60.1	100x100x75mm				
19.60.1.1	Sand cast iron S&S	195.15	Rupees One Hundred Ninety Five and Paise Fifteen Only	1	each
19.60.1.2	Centrifugally cast (spun) iron S&S	277.35	Rupees Two Hundred Seventy Seven and Paise Thirty Five Only	1	each
19.61	Providing and fixing double equal plain invert branch of required degree:				
19.61.1	100x100x100x100mm				
19.61.1.1	sand cast iron S&S	277.35	Rupees Two Hundred Seventy Seven and Paise Thirty Five Only	1	each
19.61.1.2	Centrifugally cast (spun) iron S&S	312.90	Rupees Three Hundred Twelve and Paise Ninety Only	1	each
	75x75x75x75mm				
19.61.2.1	Sand cast iron S&S	193.20	Rupees One Hundred Ninety Three and Paise Twenty Only	1	each
19.61.2.2	Centrifugally cast (spun) iron S&S	249.85	Rupees Two Hundred Forty Nine and Paise Eighty Five Only	1	each
19.62	Providing and fixing single equal plain invert branch of required degree:				
19.62.1	100x100x100mm				
19.62.1.1	Sand cast iron S&S	214.00	Rupees Two Hundred Fourteen and Paise Zero Only	1	each
19.62.1.2	Centrifugally cast (spun) iron S&S	337.35	Rupees Three Hundred Thirty Seven and Paise Thirty Five Only	1	each
19.62.2	75x75x75mm				
19.62.2.1	Sand cast iron S&S	162.10	Rupees One Hundred Sixty Two and Paise Ten Only	1	each

19.62.2.2	Centrifugally cast (spun) iron S&S	305.40	Rupees Three Hundred Five and Paise Forty Only	1	each
19.63	Providing and fixing double unequal invert branch of required degree :				
19.63.1	100x100x75x75mm				
19.63.1.1	Sand cast iron S&S	294.00	Rupees Two Hundred Ninety Four and Paise Zero Only	1	each
19.63.1.2	Centrifugally cast (spun) iron S&S	378.45	Rupees Three Hundred Seventy Eight and Paise Forty Five Only	1	each
19.64	Providing and fixing single unequal plain invert branch of required degree :				
19.64.1	100x100x75mm				
19.64.1.1	Sand cast iron S&S	207.35	Rupees Two Hundred Seven and Paise Thirty Five Only	1	each
19.64.1.2	Centrifugally cast (spun) iron S&S	330.65	Rupees Three Hundred Thirty and Paise Sixty Five Only	1	each
19.65	Providing and fixing sand cast iron S&S off sets:				
19.65.1	76 mm off sets				
19.65.1.2	With 75 mm dia. pipe	94.30	Rupees Ninety Four and Paise Thirty Only	1	each
19.65.1.3	With 100 mm dia. pipe	149.85	Rupees One Hundred Forty Nine and Paise Eighty Five Only	1	each
19.65.2	114 mm off sets				
19.65.2.2	With 75 mm dia. pipe	148.45	Rupees One Hundred Forty Eight and Paise Forty Five Only	1	each
19.65.2.3	With 100 mm dia. pipe	197.35	Rupees One Hundred Ninety Seven and Paise Thirty Five Only	1	each
19.65.3	152 mm off sets				
19.65.3.2	With 75 mm dia. pipe	164.90	Rupees One Hundred Sixty Four and Paise Ninety Only	1	each
19.65.3.3	With 100 mm dia. pipe	192.70	Rupees One Hundred Ninety Two and Paise Seventy Only	1	each
19.65A	Providing and fixing centrifugally cast (spun) iron S&S off sets:				
19.65A.1	75 mm off sets				
19.65A.1.2	With 75 mm dia. pipe	129.85	Rupees One Hundred Twenty Nine and Paise Eighty Five Only	1	each

19.65A.3	150 mm off sets				
19.65A.3.2	With 75 mm dia. pipe	150.30	Rupees One Hundred Fifty and Paise Thirty Only	1	each
19.65A.3.3	With 100 mm dia. pipe	211.40	Rupees Two Hundred Eleven and Paise Forty Only	1	each
19.66	Providing and fixing door piece, insertion rubber washer 3mm thick, bolts & nuts complete :				
19.66.1	100 mm				
19.66.1.1	sand cast iron S&S	169.60	Rupees One Hundred Sixty Nine and Paise Sixty Only	1	each
19.66.1.2	Centrifugally cast (spun) iron S&S	180.70	Rupees One Hundred Eighty and Paise Seventy Only	1	each
19.66.2	75 mm				
19.66.2.1	Sand cast iron S&S	138.75	Rupees One Hundred Thirty Eight and Paise Seventy Five Only	1	each
19.66.2.2	Centrifugally cast (spun) iron S&S	137.65	Rupees One Hundred Thirty Seven and Paise Sixty Five Only	1	each
19.67	Providing and fixing terminal guard:				
19.67.1	100 mm				
19.67.1.1	Sand cast iron S&S	108.45	Rupees One Hundred Eight and Paise Forty Five Only	1	each
19.67.1.2	Centrifugally cast (spun) iron S&S	112.90	Rupees One Hundred Twelve and Paise Ninety Only	1	each
19.67.2	75 mm				
19.67.2.1	Sand cast iron S&S	87.65	Rupees Eighty Seven and Paise Sixty Five Only	1	each
19.67.2.2	Centrifugally cast (spun) iron S&S	104.30	Rupees One Hundred Four and Paise Thirty Only	1	each
19.68	Providing and fixing collar:				
19.68.1	100 mm				
19.68.1.1	Sand cast iron S&S	96.25	Rupees Ninety Six and Paise Twenty Five Only	1	each
19.68.1.2	Centrifugally cast (spun) iron S&S	112.90	Rupees One Hundred Twelve and Paise Ninety Only	1	each
19.68.2	75 mm				

19.68.2.1	Sand cast iron S&S	88.75	Rupees Eighty Eight and Paise Seventy Five Only	1	each
19.68.2.2	Centrifugally cast (spun) iron S&S	103.20	Rupees One Hundred Three and Paise Twenty Only	1	each
19.70	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter:				
19.70.1	100 mm	78.45	Rupees Seventy Eight and Paise Forty Five Only	1	each
19.70.2	75 mm	66.55	Rupees Sixty Six and Paise Fifty Five Only	1	each
19.70.3	50 mm	53.30	Rupees Fifty Three and Paise Thirty Only	1	each
19.71	Providing and fixing M.S. stays and clamps for sand cast iron/centrifugally cast (spun) iron pipes of diameter:				
19.71.1	100 mm	30.70	Rupees Thirty and Paise Seventy Only	1	each
19.71.2	75 mm	29.90	Rupees Twenty Nine and Paise Ninety Only	1	each
19.71.3	50 mm	23.40	Rupees Twenty Three and Paise Forty Only		each
19.72	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :				
19.72.1	100 mm inlet and 100 mm outlet				
19.72.1.1	Centrifugally Cast (Spun) Iron S&S	359.80	Rupees Three Hundred Fifty Nine and Paise Eighty Only	1	each
19.72.1.2	Sand Cast Iron S&S	285.40	Rupees Two Hundred Eighty Five and Paise Forty Only	1	each
19.72.2	100 mm inlet and 75 mm outlet				
19.72.2.1	Centrifugally Cast (Spun) Iron S&S	377.60	Rupees Three Hundred Seventy Seven and Paise Sixty Only	1	each
19.72.2.2	Sand Cast Iron S&S Note :Sand Cast Iron S&S pipes shall not be used except for minor work or due to non availability Centrifugally cast (spun) Iron S&S pipes	246.50	Rupees Two Hundred Forty Six and Paise Fifty Only	1	each

19.92	Cutting chases in brick masonry walls for following diameter sand cast iron/centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate 12.5 mm nominal size) including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 coarse sand) :				
19.92.1	100 mm dia	97.90	Rupees Ninety Seven and Paise Ninety Only	1	metre
19.92.2	75 mm dia	70.05	Rupees Seventy and Paise Five Only	1	metre
19.92.3	50 mm dia	44.55	Rupees Forty Four and Paise Fifty Five Only	1	metre
19.94	Painting C.I. cistern with bitumastic or any other anti-corrosive paint inside and white paint over a coat of zinc chromate yellow primer (of approved quality) on the outside surface of the cistern flush pipe, other fittings, etc. complete for new work.	157.55	Rupees One Hundred Fifty Seven and Paise Fifty Five Only	1	each
19.95	Re-painting C.I. cistern with bitumastic or any other anti-corrosive paint inside and white paint on the outside surface of the cistern, flush pipe, other fittings, etc. complete including polishing of wooden seat and lid and cleaning of W.C. pan with acid wherever necessary.	106.90	Rupees One Hundred Six and Paise Ninety Only	1	each
19.95A	Repainting C.I. cistern with synthetic enamel paint of approved colour brand and manufacture on the outside surface of cistern flush pipe, other fittings etc. complete	48.20	Rupees Forty Eight and Paise Twenty Only	1	each
19.96	Painting sand cast iron/centrifugally cast (spun) iron soil, waste vent pipes and fittings with paint of any colour such as chocolate grey, or buff etc. over a coat of primer (of approved quality) for new work :				
19.96.2	100 mm diameter pipe	12.65	Rupees Twelve and Paise Sixty Five Only	1	metre
19.96.3	75 mm diameter pipe	9.65	Rupees Nine and Paise Sixty Five Only	1	metre
19.97	Repainting sand cast iron/centrifugally cast iron (spun) iron, soil, waste, vent pipes and fittings with paint of any colour such as chocolate, grey or buff etc				

19.97.2	100 mm diameter pipe	6.65	Rupees Six and Paise Sixty Five Only	1	metre
19.97.3	75 mm diameter pipe	5.00	Rupees Five and Paise Zero Only	1	metre
19.98	Repainting bath tub of size 1700x730x430mm with enamel paint.	156.20	Rupees One Hundred Fifty Six and Paise Twenty Only	1	each
19.99	Providing and fixing vitreous china dual purpose closet suitable for use as squatting pan or European type water closet (Anglo Indian W.C pan) with seat lid with C.P. brass hinges and rubber buffers, 10 litre low level flushing cistern with fitting and brackets, 40mm flush bend 20mm overflow pipe with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required.				
19.99.1	White vitreous china dual purpose WC pan with white solid plastic seat and lid with white vitreous china flushing cistern and C.P. flush bend.	3138.75	Rupees Three Thousand One Hundred Thirty Eight and Paise Seventy Five Only	1	each
19.100	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality, colour and make (Prayag or equivalent)				
19.100.1	Waste coupling 31mm of 79mm length and 62mm breadth weighing not less than 45gms.	53.25	Rupees Fifty Three and Paise Twenty Five Only	1	each
19.100.2	Waste coupling 38mm of 83mm length and 77mm breadth, weighing not less than 60gms.	75.50	Rupees Seventy Five and Paise Fifty Only	1	each
19.101	Providing and fixing PTMT Bottle Trap for Wash basin and sink(Prayag or equivalent)				
19.101.1	Bottle trap 31mm single piece moulded with height of 270mm, effective length of tail pipe 260mm from the centre of the waste coupling 77mm breadth with 25mm minimum water seal, weighing not less than 260gms.	286.60	Rupees Two Hundred Eighty Six and Paise Sixty Only	1	each
19.101.2	Bottle trap 38mm single piece moulded with height of 270mm, effective length of tail pipe 265mm from the centre of the waste coupling 77mm breadth with 25mm minimum water seal, weighing not less than 270gms.	308.80	Rupees Three Hundred Eight and Paise Eighty Only	1	each

19.102	Providing and fixing PTMT liquid soap container 109mm wide, 125mm high and 112mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality colour and make, weighing not less than 105gms (Prayag or equivalent)	113.65	Rupees One Hundred Thirteen and Paise Sixty Five Only	1	each
19.103	Providing and fixing PTMT towel ring trapezoidal shape 215mm long, 200mm wide with a minimum distance of 37mm from wall face with concealed fittings arrangement of approved quality, colour and make weighing not less than 90 gms (Prayag or equivalent)	108.80	Rupees One Hundred Eight and Paise Eighty Only		each
19.104	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality colour and make (Prayag or equivalent).				
19.104.1	450mm long towel rail with total length of 495mm, 78mm wide and effective height of 88mm, weighing not less than 170gms.	233.45	Rupees Two Hundred Thirty Three and Paise Forty Five Only	1	each
19.104.2	600mm long towel rail with total length of 645mm, width 78mm and effective height of 88mm, weighing not less than 190gms.	244.55	Rupees Two Hundred Forty Four and Paise Fifty Five Only	1	each
19.105	Providing and fixing PTMT shelf 440 mm long, 124 mm width and 36 mm height of approved quality, colour and make, weighing not less than 300gms (Prayag or equivalent) .	281.25	Rupees Two Hundred Eighty One and Paise Twenty Five Only	1	each
19.106	Providing and fixing PTMT 15 mm Urinal spreader size 95x69x100 mm with 1/2" BSP thread and shapes as per BIS specification, weighing not less than 60gms (Prayag or equivalent)	104.80	Rupees One Hundred Four and Paise Eighty Only	1	each
19.107	Providing and fixing PTMT (An Engineering Thermoplastic) urinal cock of approved quality, colour and make :				
19.107.1	15 mm nominal size 80 mm long, 44 mm high and 30 mm wide with BSP female threads weighing not less than 50gms (Prayag or equivalent)	85.70	Rupees Eighty Five and Paise Seventy Only	1	each
	#REF!				
20.1A	PE-AL-PE Composite Pressure Pipes and Fittings Providing and fixing Polyethylene-Aluminium-Polyethylene (PE-AL-PE) Composite Pressure Pipes U.V. stabilised with carbon black conforming to ASTM F - 1282-1995 for water supply including clamps at one metre spacing, cutting and making good the walls etc., (Internal work)				

20.1A.1	Exposed on wall				
20.1A.1.1	1216 (16mm OD) pipe	107.20	Rupees One Hundred Seven and Paise Twenty Only	1	metre
20.1A.1.2	1620 (20mm OD) pipe	127.35	Rupees One Hundred Twenty Seven and Paise Thirty Five Only	1	metre
20.1A.1.3	2025 (25mm OD) pipe	163.35	Rupees One Hundred Sixty Three and Paise Thirty Five Only	1	metre
20.1A.1.4	2532 (32mm OD) pipe	223.00	Rupees Two Hundred Twenty Three and Paise Zero Only	1	metre
20.1A.1.5	3240 (40mm OD) pipe	294.35	Rupees Two Hundred Ninety Four and Paise Thirty Five Only	1	metre
20.1A.2	Providing and fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes U.V. stablised with carbon black conforming to ASTM F - 1282-1995 for water supply including cutting and making good the walls,				
20.1A.2.1	1216 (16mm OD) pipe	125.35	Rupees One Hundred Twenty Five and Paise Thirty Five Only	1	metre
20.1A.2.2	1620 (20mm OD) pipe	143.50	Rupees One Hundred Forty Three and Paise Fifty Only	1	metre
20.1A.2.3	2025 (25mm OD) pipe	177.50	Rupees One Hundred Seventy Seven and Paise Fifty Only	1	metre
20.1A.2.4	2532 (32mm OD) pipe	229.95	Rupees Two Hundred Twenty Nine and Paise Ninety Five Only	1	metre
20.1A.2.5	3240 (40mm OD) pipe	299.40	Rupees Two Hundred Ninety Nine and Paise Forty Only	1	metre
20.1B	Providing and fixing Polyethelen-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes U.V. stablised with carbon black conforming to ASTM F - 1282- 1995 for water supply including trenching and refilling etc., (External work)				
20.1B.1	1216 (16mm OD) pipe	101.10	Rupees One Hundred One and Paise Ten Only	1	metre
20.1B.2	1620 (20mm OD) pipe	119.05	Rupees One Hundred Nineteen and Paise Five Only	1	metre
20.1B.3	2025 (25mm OD) pipe	150.55	Rupees One Hundred Fifty and Paise Fifty Five Only	1	metre

20.1B.4	2532 (32mm OD) pipe	199.95	Rupees One Hundred Ninety Nine and Paise Ninety Five Only	1	metre
20.1B.5	3240 (40mm OD) pipe	261.55	Rupees Two Hundred Sixty One and Paise Fifty Five Only	1	metre
20.1C	Providing and fixing composite end seal compression fittings as per ASTM F : 1282-1995 annexure for cold water supply e.g. tees, elbows, reducers, connectors, couplers and clamps with jointing, testing complete including cutting and making good etc.,				
20.1C.1	Equal Tee				
20.1C.1.1	1216	74.80	Rupees Seventy Four and Paise Eighty Only	1	each
20.1C.1.2	1620	100.35	Rupees One Hundred and Paise Thirty Five Only	1	each
20.1C.1.3	2025	128.10	Rupees One Hundred Twenty Eight and Paise Ten Only	1	each
20.1C.1.4	2532	156.80	Rupees One Hundred Fifty Six and Paise Eighty Only	1	each
20.1C.1.5	3240	206.40	Rupees Two Hundred Six and Paise Forty Only	1	each
20.1C.2	Reducing Tee				
20.1C.2.1	1620x with all branches	97.00	Rupees Ninety Seven and Paise Zero Only	1	each
20.1C.2.2	2025x with all branches	108.10	Rupees One Hundred Eight and Paise Ten Only	1	each
20.1C.2.3	2532x with all branches	154.60	Rupees One Hundred Fifty Four and Paise Sixty Only	1	each
20.1C.2.4	3240x with all branches	308.60	Rupees Three Hundred Eight and Paise Sixty Only	1	each
20.1C.3	Female Branch Tee				
20.1C.3.1	1216x1216x15mm thread	84.80	Rupees Eighty Four and Paise Eighty Only	1	each
20.1C.3.2	1620x1620x15mm thread	99.20	Rupees Ninety Nine and Paise Twenty Only	1	each
20.1C.3.3	2025x2025x25mm thread	178.10	Rupees One Hundred Seventy Eight and Paise Ten Only	1	each

20.1C.3.4	2532x2532x32mm thread	199.00	Rupees One Hundred Ninety Nine and Paise Zero Only	1	each
20.1C.3.5	3240x3240x40mm thread	250.85	Rupees Two Hundred Fifty and Paise Eighty Five Only	1	each
20.1C.4	Equal Elbow				
20.1C.4.1	2532	106.80	Rupees One Hundred Six and Paise Eighty Only	1	each
20.1C.4.2	3240	150.80	Rupees One Hundred Fifty and Paise Eighty Only	1	each
20.1C.5	Female Elbow				
20.1C.5.1	1216x15mm thread	60.35	Rupees Sixty and Paise Thirty Five Only	1	each
20.1C.5.2	1620x15mm thread	72.55	Rupees Seventy Two and Paise Fifty Five Only	1	each
20.1C.5.3	1620x20mm thread	88.10	Rupees Eighty Eight and Paise Ten Only	1	each
20.1C.5.4	2025x25mm thread	145.90	Rupees One Hundred Forty Five and Paise Ninety Only	1	each
20.1C.5.5	2532x32mm thread	164.60	Rupees One Hundred Sixty Four and Paise Sixty Only	1	each
20.1C.5.6	3240x40mm thread	231.95	Rupees Two Hundred Thirty One and Paise Ninety Five Only	1	each
20.1C.6	Male Thread Connector				
20.1C.6.1	1216x15mm thread	32.55	Rupees Thirty Two and Paise Fifty Five Only	1	each
20.1C.6.2	1620x15mm thread	39.20	Rupees Thirty Nine and Paise Twenty Only	1	each
20.1C.6.3	1620x20mm thread	42.55	Rupees Forty Two and Paise Fifty Five Only	1	each
20.1C.6.4	2025x25mm thread	51.45	Rupees Fifty One and Paise Forty Five Only	1	each
20.1C.6.5	2532x32mm thread	81.25	Rupees Eighty One and Paise Twenty Five Only	1	each
20.1C.6.6	3240x40mm thread	90.85	Rupees Ninety and Paise Eighty Five Only	1	each

20.1C.7	Female Thread Connector				
20.1C.7.1	1216x15mm thread	59.20	Rupees Fifty Nine and Paise Twenty Only	1	each
20.1C.7.2	1620x15mm thread	62.55	Rupees Sixty Two and Paise Fifty Five Only	1	each
20.1C.7.3	1620x20mm thread	82.55	Rupees Eighty Two and Paise Fifty Five Only	1	each
20.1C.7.4	2025x25mm thread	125.90	Rupees One Hundred Twenty Five and Paise Ninety Only	1	each
20.1C.7.5	2532x32mm thread	179.05	Rupees One Hundred Seventy Nine and Paise Five Only	1	each
20.1C.7.6	3240x40mm thread	219.70	Rupees Two Hundred Nineteen and Paise Seventy Only	1	each
20.1C.8	Couplers				
20.1C.8.1	1216	77.00	Rupees Seventy Seven and Paise Zero Only	1	each
20.1C.8.2	1620	89.20	Rupees Eighty Nine and Paise Twenty Only	1	each
20.1C.8.3	2025	100.35	Rupees One Hundred and Paise Thirty Five Only	1	each
20.1C.8.4	2532	106.80	Rupees One Hundred Six and Paise Eighty Only	1	each
20.1C.8.5	3240	148.60	Rupees One Hundred Forty Eight and Paise Sixty Only	1	each
20.1C.9	Reducers				
20.1C.9.1	1620x1216	77.00	Rupees Seventy Seven and Paise Zero Only	1	each
20.1C.9.2	2025x1216	89.20	Rupees Eighty Nine and Paise Twenty Only	1	each
20.1C.9.3	2025x1620	95.90	Rupees Ninety Five and Paise Ninety Only	1	each
20.1C.9.4	2532xReduced end	126.80	Rupees One Hundred Twenty Six and Paise Eighty Only	1	each
20.1C.9.5	3240xReduced end	158.60	Rupees One Hundred Fifty Eight and Paise Sixty Only	1	each

20.1C.10	Fittings holding clamps with necessary metal fasteners and screws				
20.1C.10.1	1216/1620	36.35	Rupees Thirty Six and Paise Thirty Five Only	1	each
20.1D	Providing and fixing composite Internal seal compression fittings as per ASTM F-1282-1995 annexure for water supply e.g., Tees, elbows, reducers, connectors, couplers and clamps with jointing, testing complete including cutting and making good etc.,				
20.1D.1	Equal Tee				
20.1D.1.1	1216	104.75	Rupees One Hundred Four and Paise Seventy Five Only	1	each
20.1D.1.2	1620	129.20	Rupees One Hundred Twenty Nine and Paise Twenty Only	1	each
20.1D.1.3	2025	171.45	Rupees One Hundred Seventy One and Paise Forty Five Only	1	each
20.1D.1.4	2532	269.00	Rupees Two Hundred Sixty Nine and Paise Zero Only	1	each
20.1D.1.5	3240	284.15	Rupees Two Hundred Eighty Four and Paise Fifteen Only	1	each
20.1D.2	Reducing Tee				
20.1D.2.1	1620x with all branches	124.75	Rupees One Hundred Twenty Four and Paise Seventy Five Only	1	each
20.1D.2.2	2025x with all branches	140.30	Rupees One Hundred Forty and Paise Thirty Only	1	each
20.1D.2.3	2532x with all branches	262.35	Rupees Two Hundred Sixty Two and Paise Thirty Five Only	1	each
20.1D.2.4	3240x with all branches	308.60	Rupees Three Hundred Eight and Paise Sixty Only	1	each
20.1D.3	Female Branch Tee				
20.1D.3.1	1216x1216x15mm thread	107.00	Rupees One Hundred Seven and Paise Zero Only	1	each
20.1D.3.2	1620x1620x15mm thread	119.20	Rupees One Hundred Nineteen and Paise Twenty Only	1	each
20.1D.3.3	2025x2025x25mm thread	203.65	Rupees Two Hundred Three and Paise Sixty Five Only	1	each

20.1D.3.4	2532x2532x32mm thread	289.00	Rupees Two Hundred Eighty Nine and Paise Zero Only	1	each
20.1D.3.5	3240x3240x40mm thread	325.25	Rupees Three Hundred Twenty Five and Paise Twenty Five Only	1	each
20.1D.4	Equal Elbow				
20.1D.4.1	2532	194.55	Rupees One Hundred Ninety Four and Paise Fifty Five Only	1	each
20.1D.4.2	3240	203.05	Rupees Two Hundred Three and Paise Five Only	1	each
20.1D.5	Female Elbow				
20.1D.5.1	1216x15mm thread	69.20	Rupees Sixty Nine and Paise Twenty Only	1	each
20.1D.5.2	1620x15mm thread	80.35	Rupees Eighty and Paise Thirty Five Only	1	each
20.1D.5.3	1620x20mm thread	93.65	Rupees Ninety Three and Paise Sixty Five Only	1	each
20.1D.5.4	2025x25mm thread	160.30	Rupees One Hundred Sixty and Paise Thirty Only	1	each
20.1D.5.5	2532x32mm thread	211.25	Rupees Two Hundred Eleven and Paise Twenty Five Only	1	each
20.1D.5.6	3240x40mm thread	257.50	Rupees Two Hundred Fifty Seven and Paise Fifty Only	1	each
20.1D.6	Male Thread Connector				
20.1D.6.1	1216x15mm thread	42.55	Rupees Forty Two and Paise Fifty Five Only	1	each
20.1D.6.2	1620x15mm thread	49.20	Rupees Forty Nine and Paise Twenty Only	1	each
20.1D.6.3	1620x20mm thread	54.80	Rupees Fifty Four and Paise Eighty Only	1	each
20.1D.6.4	2025x25mm thread	65.90	Rupees Sixty Five and Paise Ninety Only	1	each
20.1D.6.5	2532x32mm thread	126.80	Rupees One Hundred Twenty Six and Paise Eighty Only	1	each
20.1D.6.6	3240x40mm thread	128.60	Rupees One Hundred Twenty Eight and Paise Sixty Only	1	each

20.1D.7	Female Thread Connector				
20.1D.7.1	1216x15mm thread	69.20	Rupees Sixty Nine and Paise Twenty Only	1	each
20.1D.7.2	1620x15mm thread	70.35	Rupees Seventy and Paise Thirty Five Only	1	each
20.1D.7.3	1620x20mm thread	88.10	Rupees Eighty Eight and Paise Ten Only	1	each
20.1D.7.4	2025x25mm thread	133.65	Rupees One Hundred Thirty Three and Paise Sixty Five Only	1	each
20.1D.7.5	2532x32mm thread	195.70	Rupees One Hundred Ninety Five and Paise Seventy Only	1	each
20.1D.7.6	3240x40mm thread	241.95	Rupees Two Hundred Forty One and Paise Ninety Five Only	1	each
20.1D.8	Couplers				
20.1D.8.1	1216	89.20	Rupees Eighty Nine and Paise Twenty Only	1	each
20.1D.8.2	1620	97.00	Rupees Ninety Seven and Paise Zero Only	1	each
20.1D.8.3	2025	128.10	Rupees One Hundred Twenty Eight and Paise Ten Only	1	each
20.1D.8.4	2532	186.80	Rupees One Hundred Eighty Six and Paise Eighty Only	1	each
20.1D.8.5	3240	248.60	Rupees Two Hundred Forty Eight and Paise Sixty Only	1	each
20.1D.9	Reducers				
20.1D.9.1	1620x1216	92.55	Rupees Ninety Two and Paise Fifty Five Only	1	each
20.1D.9.2	2025x1216	109.20	Rupees One Hundred Nine and Paise Twenty Only	1	each
20.1D.9.3	2025x1620	128.10	Rupees One Hundred Twenty Eight and Paise Ten Only	1	each
20.1D.9.4	2532x Reduced end	176.80	Rupees One Hundred Seventy Six and Paise Eighty Only	1	each
20.1D.9.5	3240x Reduced end	213.05	Rupees Two Hundred Thirteen and Paise Five Only	1	each

	G. I. Pipes and fittings				
20.2	Providing and fixing G.I. pipes complete with G.I. fittings and clamps,including cutting and making good the walls etc. (internal work)				
20.2.1	Exposed on wall				
20.2.1.1	15mm dia. nominal bore	62.65	Rupees Sixty Two and Paise Sixty Five Only	1	metre
20.2.1.2	20mm dia. nominal bore	78.65	Rupees Seventy Eight and Paise Sixty Five Only	1	metre
20.2.1.3	25mm dia. nominal bore	103.85	Rupees One Hundred Three and Paise Eighty Five Only	1	metre
20.2.1.4	32mm dia. nominal bore	123.80	Rupees One Hundred Twenty Three and Paise Eighty Only	1	metre
20.2.1.5	40mm dia. nominal bore	144.40	Rupees One Hundred Forty Four and Paise Forty Only	1	metre
20.2.1.6	50mm dia. nominal bore	203.00	Rupees Two Hundred Three and Paise Zero Only	1	metre
20.2.2	Concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall				
20.2.2.1	15 mm dia nominal bore	88.35	Rupees Eighty Eight and Paise Thirty Five Only	1	metre
20.2.2.2	20 mm dia nomina bore	102.40	Rupees One Hundred Two and Paise Forty Only	1	metre
20.3	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. (external work)				
20.3.1	15mm dia. nominal bore	54.25	Rupees Fifty Four and Paise Twenty Five Only	1	metre
20.3.2	20mm dia. nominal bore	66.75	Rupees Sixty Six and Paise Seventy Five Only	1	metre
20.3.3	25mm dia. nominal bore	88.80	Rupees Eighty Eight and Paise Eighty Only	1	metre
20.3.4	32mm dia. nominal bore	103.55	Rupees One Hundred Three and Paise Fifty Five Only	1	metre
20.3.5	40mm dia. nominal bore	116.50	Rupees One Hundred Sixteen and Paise Fifty Only	1	metre

20.3.6	50mm dia. nominal bore	161.90	Rupees One Hundred Sixty One and Paise Ninety Only	1	metre
20.3.7	65mm dia. nominal bore	195.25	Rupees One Hundred Ninety Five and Paise Twenty Five Only	1	metre
20.3.8	80mm dia. nominal bore	270.15	Rupees Two Hundred Seventy and Paise Fifteen Only	1	metre
20.4	Making connection of G.I. distribution branch with G.I.main of following sizes by providing and fixing tee,including cutting and threading the pipe etc. complete.				
20.4.1	25 to 40 mm nominal bore	117.75	Rupees One Hundred Seventeen and Paise Seventy Five Only	1	each
20.4.2	50 to 80 mm nominal bore	286.35	Rupees Two Hundred Eighty Six and Paise Thirty Five Only	1	each
20.6	Fixing water meter and stop cock in G.I. pipe line including cutting and threading the pipe and making long screws etc. complete(cost of water meter and stop cock to be paid separately)	90.00	Rupees Ninety and Paise Zero Only	1	each
	Brass fittings				
20.7	Providing and fixing brass bib cock of approved quality.				
20.7.1	15 mm nominal bore	100.15	Rupees One Hundred and Paise Fifteen Only	1	each
20.7.2	20 mm nominal bore	123.40	Rupees One Hundred Twenty Three and Paise Forty Only	1	each
20.8	Providing and fixing brass stop cock of approved quality				
20.8.1	15 mm nominal bore	100.15	Rupees One Hundred and Paise Fifteen Only	1	each
20.8.2	20 mm nominal bore	121.15	Rupees One Hundred Twenty One and Paise Fifteen Only	1	each
20.9	Providing and fixing gun metal gate valve with C.I. wheel of approved quality(screwed end)				
20.9.3	25 mm nominal bore	168.75	Rupees One Hundred Sixty Eight and Paise Seventy Five Only	1	each
20.9.4	32 mm nominal bore.	230.85	Rupees Two Hundred Thirty and Paise Eighty Five Only	1	each
20.9.5	40 mm nominal bore	287.35	Rupees Two Hundred Eighty Seven and Paise Thirty Five Only	1	each

20.9.6	50 mm nominal bore	427.15	Rupees Four Hundred Twenty Seven and Paise Fifteen Only	1	each
20.9.7	65 mm nominal bore	566.95	Rupees Five Hundred Sixty Six and Paise Ninety Five Only	1	each
20.9.8	80 mm nominal bore	902.20	Rupees Nine Hundred Two and Paise Twenty Only	1	each
20.1	Providing and fixing ball valve (brass) of approved quality complete				
20.10.3	High or low pressure with plastic floats				
20.10.3.1	15 mm nominal bore	109.75	Rupees One Hundred Nine and Paise Seventy Five Only	1	each
20.10.3.2	20 mm nominal bore	174.65	Rupees One Hundred Seventy Four and Paise Sixty Five Only	1	each
20.10.3.3	25 mm nominal bore	200.65	Rupees Two Hundred and Paise Sixty Five Only	1	each
20.11	Providing and fixing gun metal non- return valve of approved quality (screwed end)				
20.11.1	25 mm nominal bore				
20.11.1.1	Horizontal	187.35	Rupees One Hundred Eighty Seven and Paise Thirty Five Only	1	each
20.11.1.2	Vertical	144.00	Rupees One Hundred Forty Four and Paise Zero Only	1	each
20.11.2	32 mm nominal bore				
20.11.2.1	Horizontal	299.35	Rupees Two Hundred Ninety Nine and Paise Thirty Five Only	1	each
20.11.2.2	Vertical	224.95	Rupees Two Hundred Twenty Four and Paise Ninety Five Only	1	each
20.11.3	40 mm nominal bore				
20.11.3.1	Horizontal	389.15	Rupees Three Hundred Eighty Nine and Paise Fifteen Only	1	each
20.11.3.2	Vertical	305.85	Rupees Three Hundred Five and Paise Eighty Five Only	1	each
20.11.4	50 mm nominal bore				
20.11.4.1	Horizontal	519.05	Rupees Five Hundred Nineteen and Paise Five Only	1	each
20.11.4.2	Vertical	407.95	Rupees Four Hundred Seven and Paise Ninety Five Only	1	each

20.11.5	65 mm nominal bore				
20.11.5.1	Horizontal	957.75	Rupees Nine Hundred Fifty Seven and Paise Seventy Five Only	1	each
20.11.5.2	Vertical	732.20	Rupees Seven Hundred Thirty Two and Paise Twenty Only	1	each
20.11.6	80 mm nominal bore				
20.11.6.1	Horizontal	1403.15	Rupees One Thousand Four Hundred Three and Paise Fifteen Only	1	each
20.11.6.2	Vertical	1154.25	Rupees One Thousand One Hundred Fifty Four and Paise Twenty Five Only	1	each
20.12	Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main				
20.12.1	15 mm nominal bore	100.80	Rupees One Hundred and Paise Eighty Only	1	each
20.12.2	20 mm nominal bore	139.00	Rupees One Hundred Thirty Nine and Paise Zero Only	1	each
20.12.3	25 mm nominal bore	182.60	Rupees One Hundred Eighty Two and Paise Sixty Only	1	each
20.13	Providing and fixing uplasticised PVC connection pipe with brass unions				
20.13.1	30 cm length				
20.13.1.1	15 mm nominal bore	24.20	Rupees Twenty Four and Paise Twenty Only	1	each
20.13.1.2	20 mm nominal bore	32.00	Rupees Thirty Two and Paise Zero Only	1	each
20.13.2	45 cm length				
20.13.2.1	15 mm nominal bore	31.80	Rupees Thirty One and Paise Eighty Only	1	each
20.13.2.2	20 mm nominal bore	39.60	Rupees Thirty Nine and Paise Sixty Only	1	each
20.14	Providing and fixing C.P. brass shower rose with 15 or 20mm inlet				
20.14.1	100mm diameter	22.55	Rupees Twenty Two and Paise Fifty Five Only	1	each

20.14.2	150 mm diameter	35.70	Rupees Thirty Five and Paise Seventy Only	1	each
	C. I. / DUCTILE IRON Pipes and specials				
20.19	Laying in position centrifugally cast (spun) iron S&S or flanged pipes (excluding cost of pipe)	37.80	Rupees Thirty Seven and Paise Eighty Only	1	quintal
20.20	Laying in position S&S or flanged C.I. special such as tees, bends, collars, tapers and caps etc. (excluding cost of specials)	70.70	Rupees Seventy and Paise Seventy Only	1	quintal
20.24	Providing and laying S&S C.I. standard specials such as tees, bends, collars, tapers, caps etc. (Heavy class)				
20.24.1	Upto 300mm dia.	1865.40	Rupees One Thousand Eight Hundred Sixty Five and Paise Forty Only	1	quintal
20.24.2	Over 300mm dia.	2018.70	Rupees Two Thousand Eighteen and Paise Seventy Only	1	quintal
20.25	Providing and laying flanged C.I. standard specials such as tees, bends, collars, tapers, caps etc., suitable for flanged jointing as per IS : 1538				
20.25.1	Upto 300 mm dia	3300.80	Rupees Three Thousand Three Hundred and Paise Eighty Only	1	quintal
20.25.2	Over 300 mm dia	3568.55	Rupees Three Thousand Five Hundred Sixty Eight and Paise Fifty Five Only	1	quintal
20.27	Providing and laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 :				
20.27.2	100 mm dia. pipe	488.90	Rupees Four Hundred Eighty Eight and Paise Ninety Only	1	metre
20.27.3	125 mm dia. pipe	605.35	Rupees Six Hundred Five and Paise Thirty Five Only	1	metre
20.27.4	150 mm dia. pipe	718.05	Rupees Seven Hundred Eighteen and Paise Five Only	1	metre
20.27.5	200 mm dia. pipe	1047.95	Rupees One Thousand Forty Seven and Paise Ninety Five Only	1	metre
20.27.6	250 mm dia. pipe	1412.20	Rupees One Thousand Four Hundred Twelve and Paise Twenty Only	1	metre

20.27.7	300 mm dia. pipe	1820.85	Rupees One Thousand Eight Hundred Twenty and Paise Eighty Five Only	1	metre
20.27.8	350 mm dia. pipe	2295.95	Rupees Two Thousand Two Hundred Ninety Five and Paise Ninety Five Only	1	metre
20.27.9	400 mm dia. pipe	2796.25	Rupees Two Thousand Seven Hundred Ninety Six and Paise Twenty Five Only	1	metre
20.27.10	450 mm dia. pipe	3376.85	Rupees Three Thousand Three Hundred Seventy Six and Paise Eighty Five Only	1	metre
20.27.11	500 mm dia. pipe	4025.95	Rupees Four Thousand Twenty Five and Paise Ninety Five Only	1	metre
20.27.12	600 mm dia. pipe	5360.05	Rupees Five Thousand Three Hundred Sixty and Paise Five Only	1	metre
	NOTE : - For further items of C.I. Pipes and specials, please refer Item No. 20.111 to 20.118.11				
20.45	Providing lead caulked joints to spun iron or C.I. pipes and specials including testing of joints but excluding the cost of pig lead				
20.45.2	100 mm diameter pipe	58.80	Rupees Fifty Eight and Paise Eighty Only	1	each
20.45.3	125 mm diameter pipe	86.25	Rupees Eighty Six and Paise Twenty Five Only	1	each
20.45.4	150 mm diameter pipe	88.20	Rupees Eighty Eight and Paise Twenty Only	1	each
20.45.5	200 mm diameter pipe	116.90	Rupees One Hundred Sixteen and Paise Ninety Only	1	each
20.45.6	250 mm diameter pipe	146.00	Rupees One Hundred Forty Six and Paise Zero Only	1	each
20.45.7	300 mm diameter pipe	176.00	Rupees One Hundred Seventy Six and Paise Zero Only	1	each
20.45.8	350 mm diameter pipe	182.60	Rupees One Hundred Eighty Two and Paise Sixty Only	1	each
20.45.9	400 mm diameter pipe	237.20	Rupees Two Hundred Thirty Seven and Paise Twenty Only	1	each

20.45.10	450 mm diameter pipe	265.50	Rupees Two Hundred Sixty Five and Paise Fifty Only	1	each
20.45.11	500 mm diameter pipe	281.25	Rupees Two Hundred Eighty One and Paise Twenty Five Only	1	each
20.45.12	600 mm diameter pipe	377.90	Rupees Three Hundred Seventy Seven and Paise Ninety Only	1	each
20.46	Supplying pig lead at site of work.	3781.15	Rupees Three Thousand Seven Hundred Eighty One and Paise Fifteen Only	1	quintal
20.47	Providing flanged joints to double flanged C.I./ D.I. pipes and specials including testing of joints				
20.47.1	80 mm diameter pipe	46.90	Rupees Forty Six and Paise Ninety Only	1	each
20.47.2	100 mm diameter pipe	81.75	Rupees Eighty One and Paise Seventy Five Only	1	each
20.47.3	125 mm diameter pipe	82.85	Rupees Eighty Two and Paise Eighty Five Only	1	each
20.47.4	150 mm diameter pipe	114.10	Rupees One Hundred Fourteen and Paise Ten Only	1	each
20.47.5	200 mm diameter pipe	127.45	Rupees One Hundred Twenty Seven and Paise Forty Five Only	1	each
20.47.6	250 mm diameter pipe	185.55	Rupees One Hundred Eighty Five and Paise Fifty Five Only	1	each
20.47.7	300 mm diameter pipe	193.35	Rupees One Hundred Ninety Three and Paise Thirty Five Only	1	each
20.47.8	350 mm diameter pipe	265.85	Rupees Two Hundred Sixty Five and Paise Eighty Five Only	1	each
20.47.9	400 mm diameter pipe	429.35	Rupees Four Hundred Twenty Nine and Paise Thirty Five Only	1	each
20.47.10	450 mm diameter pipe	534.10	Rupees Five Hundred Thirty Four and Paise Ten Only	1	each
20.47.11	500 mm diameter pipe	580.90	Rupees Five Hundred Eighty and Paise Ninety Only	1	each
20.47.12	600 mm diameter pipe	685.70	Rupees Six Hundred Eighty Five and Paise Seventy Only	1	each

	C.I. SLUICE VALVES , FIRE HYDRANTS and fixtures				
20.48	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately).				
20.48.2	100 mm diameter				
20.48.2.1	Class I	2085.20	Rupees Two Thousand Eighty Five and Paise Twenty Only	1	each
20.48.2.2.	Class II	2147.45	Rupees Two Thousand One Hundred Forty Seven and Paise Forty Five Only	1	each
20.48.3	125 mm diameter				
20.48.3.1	Class I	2547.40	Rupees Two Thousand Five Hundred Forty Seven and Paise Forty Only	1	each
20.48.3.2.	Class II	2644.10	Rupees Two Thousand Six Hundred Forty Four and Paise Ten Only	1	each
20.48.4	150 mm diameter				
20.48.4.1	Class I	3059.70	Rupees Three Thousand Fifty Nine and Paise Seventy Only	1	each
20.48.4.2.	Class II	3211.20	Rupees Three Thousand Two Hundred Eleven and Paise Twenty Only	1	each
20.48.5	200 mm diameter				
20.48.5.1	Class I	5217.15	Rupees Five Thousand Two Hundred Seventeen and Paise Fifteen Only	1	each
20.48.5.2.	Class II	5650.90	Rupees Five Thousand Six Hundred Fifty and Paise Ninety Only	1	each
20.48.6	250 mm diameter				
20.48.6.1	Class I	7559.95	Rupees Seven Thousand Five Hundred Fifty Nine and Paise Ninety Five Only	1	each

20.48.6.2.	Class II	7733.85	Rupees Seven Thousand Seven Hundred Thirty Three and Paise Eighty Five Only	1	each
20.48.7	300 mm diameter				
20.48.7.1	Class I	9638.55	Rupees Nine Thousand Six Hundred Thirty Eight and Paise Fifty Five Only	1	each
20.48.7.2.	Class II	10041.70	Rupees Ten Thousand Forty One and Paise Seventy Only	1	each
20.50	Constructing masonry Chamber 30x30x50 cm, inside with 75 class designation brick work in cement mortar 1:5 (1 cement :5 fine sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement :5 fine sand:10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement :3 coarse sand) 12mm thick finished with a floating coat of neat cement complete as per standard design.				
20.50.2	With F.P.S. bricks	385.70	Rupees Three Hundred Eighty Five and Paise Seventy Only	1	each
20.51	Constructing masonry Chamber 60x60x75 cm, inside with 75 class designation brick work in cement mortar 1:5 (1 cement :5 fine sand) for sluice valve, with C.I. surface box 100mm. top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement :5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement :3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design.				
20.51.2	With F.P.S. bricks	2187.65	Rupees Two Thousand One Hundred Eighty Seven and Paise Sixty Five Only	1	each

20.52	Constructing masonry Chamber 90x90x100 cm, inside with 75 class designation brick work in cement mortar 1:5 (1 cement :5 fine sand) for sluice valve, with C.I. surface box 100 mm. top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement :5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement :3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design.				
20.52.2	With F.P.S. bricks	3741.90	Rupees Three Thousand Seven Hundred Forty One and Paise Ninety Only	1	each
20.53	Constructing masonry Chamber 120x120x100 cm, inside with 75 class designation brick work in cement mortar 1:5 (1 cement :5 fine sand) for sluice valve, with C.I. surface box 100 mm. top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement :5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement :3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design.				
20.53.2	With F.P.S. bricks	5176.95	Rupees Five Thousand One Hundred Seventy Six and Paise Ninety Five Only	1	each

20.54	Constructing masonry Chamber 60x60x75 cm, inside with 75 class designation brick work in cement mortar 1:5 (1 cement :5 fine sand) for fire hydrants, with C.I. surface box 350x350 mm. top and 165 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement :5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement :3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design.				
20.54.2	With F.P.S. bricks	2074.10	Rupees Two Thousand Seventy Four and Paise Ten Only	1	each
20.55	Constructing masonry Chamber 60x45x50 cm, inside with 75 class designation brick work in cement mortar 1:5 (1 cement :5 fine sand) for water meter complete with C.I.double flap surface box 400x200x200mm. (inside) with locking arrangement and RCC top slab 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement :5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement :3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design.				
20.55.2	With F.P.S. bricks	2052.40	Rupees Two Thousand Fifty Two and Paise Forty Only	1	each
20.76	Painting G.I. pipes and fittings with synthetic enamel white paint over a ready mixed priming coat, both of approved quality for new work.				
20.76.1	15 mm diameter pipe.	3.20	Rupees Three and Paise Twenty Only	1	metre
20.76.2	20 mm diameter pipe.	3.75	Rupees Three and Paise Seventy Five Only	1	metre
20.76.3	25 mm diameter pipe.	4.95	Rupees Four and Paise Ninety Five Only	1	metre
20.76.4	32 mm diameter pipe.	5.85	Rupees Five and Paise Eighty Five Only	1	metre

20.76.5	40 mm diameter pipe.	6.90	Rupees Six and Paise Ninety Only	1	metre
20.76.6	50 mm diameter pipe.	8.15	Rupees Eight and Paise Fifteen Only	1	metre
20.77	Repainting G.I. pipes and fittings with synthetic enamel white paint of approved				
20.77.1	15 mm diameter pipe.	1.70	Rupees One and Paise Seventy Only	1	metre
20.77.2	20 mm diameter pipe.	2.00	Rupees Two and Paise Zero Only	1	metre
20.77.3	25 mm diameter pipe	2.55	Rupees Two and Paise Fifty Five Only	1	metre
20.77.4	32 mm diameter pipe	3.00	Rupees Three and Paise Zero Only	1	metre
20.77.5	40 mm diameter pipe	3.50	Rupees Three and Paise Fifty Only	1	metre
20.77.6	50 mm diameter pipe	4.10	Rupees Four and Paise Ten Only	1	metre
20.78	Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality.				
20.78.1	15 mm diameter pipes	1.75	Rupees One and Paise Seventy Five Only	1	metre
20.78.2	20 mm diameter pipes	2.05	Rupees Two and Paise Five Only	1	metre
20.78.3	25 mm diameter pipes	2.60	Rupees Two and Paise Sixty Only	1	metre
20.78.4	32 mm diameter pipes	3.10	Rupees Three and Paise Ten Only	1	metre
20.78.5	40 mm diameter pipes	3.50	Rupees Three and Paise Fifty Only	1	metre
20.78.6	50 mm diameter pipes	4.15	Rupees Four and Paise Fifteen Only	1	metre
20.78.7	65 mm diameter pipes	5.10	Rupees Five and Paise Ten Only	1	metre
20.78.8	80 mm diameter pipes	5.95	Rupees Five and Paise Ninety Five Only	1	metre
20.79	Providing and filling sand of grading zone V or coarser grade around the G.I. pipes in external work.				
20.79.1	15 mm dia. pipe.	15.55	Rupees Fifteen and Paise Fifty Five Only	1	metre
20.79.2	20 mm dia. pipe.	15.75	Rupees Fifteen and Paise Seventy Five Only	1	metre
20.79.3	25 mm dia. pipe.	16.15	Rupees Sixteen and Paise Fifteen Only	1	metre
20.79.4	32 mm dia. pipe.	16.60	Rupees Sixteen and Paise Sixty Only	1	metre

20.79.5	40 mm dia. pipe.	16.80	Rupees Sixteen and Paise Eighty Only	1	metre
20.79.6	50 mm dia. pipe.	17.40	Rupees Seventeen and Paise Forty Only	1	metre
20.79.7	65 mm dia. pipe.	27.50	Rupees Twenty Seven and Paise Fifty Only	1	metre
20.79.8	80 mm dia. pipe.	28.35	Rupees Twenty Eight and Paise Thirty Five Only	1	metre
20.79.9	100 mm dia pipe	30.00	Rupees Thirty and Paise Zero Only	1	metre
20.79.10	150 mm dia pipe	44.70	Rupees Forty Four and Paise Seventy Only	1	metre
20.83	Boring with 100mm diameter casting pipe for hand pump/tube well in all soils except ordinary hard rocks requiring blasting including removing the casing pipe after the hand pipe/tube well is lowered and tested.				
20.83.1	Upto 6 metres depth.	113.45	Rupees One Hundred Thirteen and Paise Forty Five Only	1	metre
20.83.2	Beyond 6 m and upto 12 m depth	135.40	Rupees One Hundred Thirty Five and Paise Forty Only	1	metre
20.83.3	Beyond 12 m and upto 18 m depth	158.55	Rupees One Hundred Fifty Eight and Paise Fifty Five Only	1	metre
20.84	Providing and placing in position filters of 40 mm diameter G.I.pipe with brass strainer of approved quality	290.40	Rupees Two Hundred Ninety and Paise Forty Only	1	metre
20.85	Providing and fixing to filter and lowering to proper levels 40 mmG.I. pipe for tube well including cleaning and priming the tube well.	110.00	Rupees One Hundred Ten and Paise Zero Only	1	metre
20.86	Providing and placing in position hand pump of approved qualityfor 40 mm diameter G.I. pipe complete with all accessories	426.35	Rupees Four Hundred Twenty Six and Paise Thirty Five Only	1	each
20.87	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (new work)				
20.87.1	15mm nominal bore	51.90	Rupees Fifty One and Paise Ninety Only	1	each
20.87.2	20mm nominal bore	60.75	Rupees Sixty and Paise Seventy Five Only	1	each
20.87.3	25mm nominal bore	73.00	Rupees Seventy Three and Paise Zero Only	1	each

20.87.4	32mm nominal bore	85.20	Rupees Eighty Five and Paise Twenty Only	1	each
20.87.5	40mm nominal bore	111.85	Rupees One Hundred Eleven and Paise Eighty Five Only	1	each
20.87.6	50mm nominal bore	159.55	Rupees One Hundred Fifty Nine and Paise Fifty Five Only	1	each
20.87.7	65mm nominal bore	286.20	Rupees Two Hundred Eighty Six and Paise Twenty Only	1	each
20.87.8	80 mm nominal bore	338.45	Rupees Three Hundred Thirty Eight and Paise Forty Five Only	1	each
20.88	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws including excavation, refilling the earth or cutting of wall and making good the same complete wherever required.				
20.88.1	15 mm nominal bore.	106.40	Rupees One Hundred Six and Paise Forty Only	1	each
20.88.2	20 mm nominal bore.	115.25	Rupees One Hundred Fifteen and Paise Twenty Five Only	1	each
20.88.3	25 mm nominal bore.	127.50	Rupees One Hundred Twenty Seven and Paise Fifty Only	1	each
20.88.4	32 mm nominal bore.	139.70	Rupees One Hundred Thirty Nine and Paise Seventy Only	1	each
20.88.5	40 mm nominal bore.	166.35	Rupees One Hundred Sixty Six and Paise Thirty Five Only	1	each
20.88.6	50 mm nominal bore.	233.90	Rupees Two Hundred Thirty Three and Paise Ninety Only	1	each
20.88.7	65 mm nominal bore.	360.55	Rupees Three Hundred Sixty and Paise Fifty Five Only	1	each
20.88.8	80 mm nominal bore.	412.75	Rupees Four Hundred Twelve and Paise Seventy Five Only	1	each
20.89	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked indicating the BIS License No. with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank [Sintex, Electroplast, Star, Lotus or equivalent having valid ISI license].	3.95	Rupees Three and Paise Ninety Five Only	1	per litre capacity

20.9	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 a) 15 mm nominal bore	163.75	Rupees One Hundred Sixty Three and Paise Seventy Five Only	1	each
20.91	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.a) 15 mm nominal bore	233.75	Rupees Two Hundred Thirty Three and Paise Seventy Five Only	1	each
20.92	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.a) 15 mm nominal bore	165.40	Rupees One Hundred Sixty Five and Paise Forty Only	1	each
20.93	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931a) 15 mm nominal bore	163.75	Rupees One Hundred Sixty Three and Paise Seventy Five Only	1	each
20.94	Providing and fixing C.P. brass angle valve for basin mixer and gysar points of approved quality conforming to IS:8931a) 15 mm nominal bore	185.80	Rupees One Hundred Eighty Five and Paise Eighty Only	1	each
20.95	Providing and fixing C.P. brass close hole basin mixer pillar tap of approved quality and make, weighing not less than 1.970 kg a) 15 mm nominal bore of standard back type	605.85	Rupees Six Hundred Five and Paise Eighty Five Only	1	each
20.96	Providing and fixing PTMT (An Engineering thermoplastic) bib cock of approved quality colour and make (Prayag or equivalent)				
20.96.1	15mm nominal size, 86mm long, 102 mm high and 43 mm wide with 12 mm seat dia and replaceable washers, weighing not less than 90gms.	94.60	Rupees Ninety Four and Paise Sixty Only	1	each
20.96.2	15 mm nominal size, 122 mm long, 110 mm high and 43 mm wide with 12 mm seat dia. and replaceable washers, weighing not less than 105 gms.	116.80	Rupees One Hundred Sixteen and Paise Eighty Only	1	each
20.96.3	15mm nominal size, 175mm long, 110 mm high and 43mm wide with 12 mm seat dia. and replaceable washers, weighing not less than 120 gms.	139.05	Rupees One Hundred Thirty Nine and Paise Five Only	1	each
20.96.4	15mm nominal size, 90 mm long, 130mm high and 43mm wide with 12mm seat dia and replaceable washer weighing not less than 95gms (Bib Cock with nozzle)	100.15	Rupees One Hundred and Paise Fifteen Only	1	each
20.97	Providing and fixing PTMT (An Engineering thermoplastic) stop cock of approved quality colour and make (Prayag or equivalent)				

20.97.1	15mm nominal size, 86mm long, 90mm high and 43mm wide with 12mm seat dia and replaceable washers, weighing not less than 90gms	94.60	Rupees Ninety Four and Paise Sixty Only	1	each
20.97.2	15mm nominal size, 86mm long,(F/T) 90mm high and 43mm wide with 12mm seat dia. and replaceable washers, weighing not less than 90gms	94.60	Rupees Ninety Four and Paise Sixty Only	1	each
20.97.3	20mm nominal size, 89mm long, 86mm high and 43mm wide with 12mm seat dia. and replaceable washers, weighing not less than 90gms	111.25	Rupees One Hundred Eleven and Paise Twenty Five Only	1	each
20.97.4	Concealed stop cock with delux handle, 15mm nominal size, 110mm long, 64mm high and 59mm dia sliding flange with 12mm seat dia and replaceable washers weighing not less than 110gms.	163.75	Rupees One Hundred Sixty Three and Paise Seventy Five Only	1	each
20.98	Providing and fixing PTMT (An Engineering thermoplastic) pillar cock of approved quality colour and make (Prayag or equivalent)				
20.98.1	15mm nominal size, 107mm long, 131mm high and 43mm wide with 12mm seat dia and replaceable washers, weighing not less than 115gms	140.05	Rupees One Hundred Forty and Paise Five Only	1	each
20.98.2	15mm nominal size, 107mm long, 131mm high and 43mm wide with 12mm seat dia and replaceable washers weighing not less than 125gms (fancy with deluxe handle)	212.25	Rupees Two Hundred Twelve and Paise Twenty Five Only	1	each
20.99	Providing and fixing PTMT (An Engineering thermoplastic), push cock of approved quality colour and make. (Prayag or equivalent)				
20.99.1	15 mm nominal size, with 20 mm B.S.P. female threads, 100 mm long, 57 mm high and 33 mm wide with 12 mm seat dia and replaceable washers,weighing not less than 75gms	85.70	Rupees Eighty Five and Paise Seventy Only	1	each
20.99.2	15 mm nominal size, with 12 mm B.S.P. female threads, 80 mm long, 30 mm high and 30 mm wide with 12 mm seat dia and replaceable washers,weighing not less than 47gms	72.40	Rupees Seventy Two and Paise Forty Only	1	each
20.100	Providing and fixing PTMT (An Engineering thermoplastic) grating of approved quality, colour and make (Prayag or equivalent)				
20.100.1	Circular type				
20.100.1.1	100 mm nominal dia 12 mm high, domed shape conforming to I.S. standards and weighing not less than 25gms	28.50	Rupees Twenty Eight and Paise Fifty Only	1	each
20.100.1.2	125 mm nominal dia., 15 mm high domed shape conforming to I.S. standards and weighing not less than 40 gms.	36.30	Rupees Thirty Six and Paise Thirty Only	1	each

20.100.1.3	125 mm nominal dia., 14 mm high, domed shape with 25 mm waste hole conforming to I.S. standards and weighing not less than 40 gms.	36.30	Rupees Thirty Six and Paise Thirty Only	1	each
20.100.2	Rectangular type with openable circular lid.				
20.100.2.1	150 mm nominal size square, 18 mm high with 100 mm diameter of the inner hinged round grating domed shape conforming to I.S. standards, weighing not less than 100 gms.	91.85	Rupees Ninety One and Paise Eighty Five Only	1	each
20.100.2.2	150 mm nominal size square, 18mm high with 100 mm dia. of the inner of hinged round grating domed shape with 31 mm waste hole conforming to I.S. standards, weighing not less than 100 gms	91.85	Rupees Ninety One and Paise Eighty Five Only	1	each
20.101	Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately)				
20.101.1	50 mm dia	2829.00	Rupees Two Thousand Eight Hundred Twenty Nine and Paise Zero Only	1	each
20.101.2	80 mm dia	3940.00	Rupees Three Thousand Nine Hundred Forty and Paise Zero Only	1	each
20.101.3	100 mm dia	4753.50	Rupees Four Thousand Seven Hundred Fifty Three and Paise Fifty Only	1	each
20.102	Providing and fixing enclosed type water meter (bulk type) conforming to IS : 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately)				
20.102.1	80 mm dia nominal bore	1898.60	Rupees One Thousand Eight Hundred Ninety Eight and Paise Sixty Only	1	each
20.102.2	100 mm dia nominal bore	2921.90	Rupees Two Thousand Nine Hundred Twenty One and Paise Ninety Only	1	each
20.102.3	150 mm dia nominal bore	3967.85	Rupees Three Thousand Nine Hundred Sixty Seven and Paise Eighty Five Only	1	each

20.102.4	200 mm dia nominal bore	5253.50	Rupees Five Thousand Two Hundred Fifty Three and Paise Fifty Only	1	each
20.103	Providing and fixing C.I. dirt box strainer for bulk type water meter with nuts, bolts, rubber insertions etc. complete conforming to IS : 2373				
20.103.1	80 mm dia	2773.00	Rupees Two Thousand Seven Hundred Seventy Three and Paise Zero Only	each	each
20.103.2	100 mm dia	4218.45	Rupees Four Thousand Two Hundred Eighteen and Paise Forty Five Only	each	each
20.103.3	150 mm dia	5634.75	Rupees Five Thousand Six Hundred Thirty Four and Paise Seventy Five Only	each	each
20.103.4	200 mm dia	7642.60	Rupees Seven Thousand Six Hundred Forty Two and Paise Sixty Only	each	each
20.104	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./H.P.H.D. plastic ball (Prayag or equivalent)				
20.104.1	15 mm nominal size, 110 mm long, 70 mm high and 40 mm wide with piston travel of minimum 5mm, having weight not less than 142gms, (62+25+55) (Body+Rod+Ball). Provided with leverage of minimum 230 mm and one piece moulded H.D.plastic ball of 114 mm dia.	121.95	Rupees One Hundred Twenty One and Paise Ninety Five Only	1	each
20.104.2	20 mm nominal size, 125 mm long, 77 mm high and 42 mm wide with piston travel of minimum 6.5 mm, having weight not less than 210gms, (100+40+70) (Body+Rod+Ball). Provided with leverage of minimum 310 mm and one piece moulded H.D. plastic ball of 127mm dia.	169.05	Rupees One Hundred Sixty Nine and Paise Five Only	1	each

20.104.3	25 mm nominal size, 155 mm long, 96 mm high and 52 mm wide with piston travel of minimum 8 mm, having weight not less than 455gms, (170+85+200) (Body+Rod+Ball). Provided with leverage of minimum 390 mm and one piece moulded H.D. plastic ball of 152 mm dia.	383.95	Rupees Three Hundred Eighty Three and Paise Ninety Five Only	1	each
20.104.4	40 mm nominal size, 210 mm long, 118 mm high and 63 mm wide with piston travel of minimum 11 mm, having weight not less than 690gms, (260+195+235) (Body+Rod+Ball). Provided with leverage of minimum 395 mm and one piece moulded H.D. plastic ball of 203 mm dia.	697.05	Rupees Six Hundred Ninety Seven and Paise Five Only	1	each
20.104.5	50 mm nominal size, 245 mm long, 164 mm high and 93 mm wide with piston travel of minimum 16 mm, having weight not less than 1240gms, (460+290+490) (Body+Rod+Ball). Provided with leverage of minimum 710 mm and one piece moulded H.D. plastic ball of 254 mm dia.	1037.90	Rupees One Thousand Thirty Seven and Paise Ninety Only	1	each
20.105	Providing and fixing PTMT angle stop cock 15 mm nominal size with deluxe handles, 59 mm wide, 125 mm high and 42 mm breadth with 12 mm seat dia. And replaceable washers, weighing not less than 90gms. Provided with flange of 56 mm dia, of approved quality colour and make (Prayag or equivalent)	114.60	Rupees One Hundred Fourteen and Paise Sixty Only	1	each
20.106	Providing and fixing PTMT swivelling shower, 15 mm nominal size, 95 mm long, 65 mm dia. of approved quality colour and make weighing not less than 40gms with approximate 80 holes of 1.2 mm dia (Prayag or equivalent).	82.55	Rupees Eighty Two and Paise Fifty Five Only	1	each
20.107	Providing and fixing PTMT shower arm, 15 mm nominal size, 1/2" BSP threads 195 mm long with a bend of 45 (effective length of 210 mm). Provided with flange of 56 mm dia., of approved quality colour and make weighing not less than 40gms (Prayag or equivalent)	55.75	Rupees Fifty Five and Paise Seventy Five Only	1	each
20.108	Providing and fixing PTMT Soap Dish Holder having length of 138 mm, breadth 102 mm, height of 75 mm with concealed fitting arrangements, weighing not less than 110gms (Prayag or equivalent)	93.70	Rupees Ninety Three and Paise Seventy Only	1	each

20.109	Providing and fixing PTMT Flange 15 mm size, 56 mm dia.suitable for 15 mm taps and weighing not less than 5gms (Prayag or equivalent)	12.55	Rupees Twelve and Paise Fifty Five Only	1	each
20.110	Providing and fixing PTMT extension Nipples 15 mm size with 12" BSP threads, 70 mm length and 30 mm breadth and weighing not less than 18gms (Prayag or equivalent)	27.00	Rupees Twenty Seven and Paise Zero Only	1	each
20.111	Providing and laying S&S C.I. Standard specials such as tees, bends, collars tapers and caps etc, suitable for flanged jointing as per IS : 1538				
20.111.1	Upto 300 mm dia	3033.05	Rupees Three Thousand Thirty Three and Paise Five Only	1	quintal
20.111.2	Above 300 mm dia	3301.95	Rupees Three Thousand Three Hundred One and Paise Ninety Five Only	1	quintal
20.112	Providing and laying S&S C.I. Standard specials suitable for mechanical jointing as per IS : 13382				
20.112.1	Upto 300mm dia	4374.05	Rupees Four Thousand Three Hundred Seventy Four and Paise Five Only	1	quintal
20.112.2	Above 300mm dia	4641.80	Rupees Four Thousand Six Hundred Forty One and Paise Eighty Only	1	quintal
20.113	Providing and laying D.I. Specials of Class K - 12 suitable for push-on jointing as per IS : 9523				
20.113.1	Upto 600mm dia	7724.80	Rupees Seven Thousand Seven Hundred Twenty Four and Paise Eighty Only	1	quintal
20.113.2	Above 600mm dia	11745.50	Rupees Eleven Thousand Seven Hundred Forty Five and Paise Fifty Only	1	quintal
20.114	Providing and laying D.I. Specials of Class K - 12 suitable for mechanical jointing as per IS : 9523				
20.114.1	600mm dia	7992.55	Rupees Seven Thousand Nine Hundred Ninety Two and Paise Fifty Five Only	1	quintal

20.114.2	Above 600mm dia	12013.30	Rupees Twelve Thousand Thirteen and Paise Thirty Only	1	quintal
20.115	Providing push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket.				
20.115.1	100mm dia pipes	30.75	Rupees Thirty and Paise Seventy Five Only	1	each
20.115.2	150mm dia pipes	46.90	Rupees Forty Six and Paise Ninety Only	1	each
20.115.3	200mm dia pipes	73.70	Rupees Seventy Three and Paise Seventy Only	1	each
20.115.4	250mm dia pipes	85.70	Rupees Eighty Five and Paise Seventy Only	1	each
20.115.5	300mm dia pipes	114.95	Rupees One Hundred Fourteen and Paise Ninety Five Only	1	each
20.115.6	350mm dia pipes	136.05	Rupees One Hundred Thirty Six and Paise Five Only	1	each
20.115.7	400mm dia pipes	264.75	Rupees Two Hundred Sixty Four and Paise Seventy Five Only	1	each
20.115.8	450mm dia pipes	287.00	Rupees Two Hundred Eighty Seven and Paise Zero Only	1	each
20.115.9	500mm dia pipes	298.70	Rupees Two Hundred Ninety Eight and Paise Seventy Only	1	each
20.115.10	600mm dia pipes	365.55	Rupees Three Hundred Sixty Five and Paise Fifty Five Only	1	each
20.115.11	650mm dia pipes	566.35	Rupees Five Hundred Sixty Six and Paise Thirty Five Only	1	each
20.115.12	700mm dia pipes	648.20	Rupees Six Hundred Forty Eight and Paise Twenty Only	1	each
20.115.13	800mm dia pipes	725.90	Rupees Seven Hundred Twenty Five and Paise Ninety Only	1	each
20.115.14	900mm dia pipes	958.70	Rupees Nine Hundred Fifty Eight and Paise Seventy Only	1	each
20.115.15	1000mm dia pipes	1178.70	Rupees One Thousand One Hundred Seventy Eight and Paise Seventy Only	1	each

20.116	Providing and laying Double Flanged (screwed/welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536)				
20.116.1	100mm dia C.I. Double Flanged Pipe	931.40	Rupees Nine Hundred Thirty One and Paise Forty Only	1	metre
20.116.2	150mm dia C.I. Double Flanged Pipe	1429.95	Rupees One Thousand Four Hundred Twenty Nine and Paise Ninety Five Only	1	metre
20.116.3	200mm dia C.I. Double Flanged Pipe	1931.10	Rupees One Thousand Nine Hundred Thirty One and Paise Ten Only	1	metre
20.116.4	250mm dia C.I. Double Flanged Pipe	2580.70	Rupees Two Thousand Five Hundred Eighty and Paise Seventy Only	1	metre
20.116.5	300mm dia C.I. Double Flanged Pipe	3242.70	Rupees Three Thousand Two Hundred Forty Two and Paise Seventy Only	1	metre
20.116.6	350mm dia C.I. Double Flanged Pipe	4180.90	Rupees Four Thousand One Hundred Eighty and Paise Ninety Only	1	metre
20.116.7	400mm dia C.I. Double Flanged Pipe	5383.25	Rupees Five Thousand Three Hundred Eighty Three and Paise Twenty Five Only	1	metre
20.116.8	450mm dia C.I. Double Flanged Pipe	7086.25	Rupees Seven Thousand Eighty Six and Paise Twenty Five Only	1	metre
20.116.9	500mm dia C.I. Double Flanged Pipe	9469.05	Rupees Nine Thousand Four Hundred Sixty Nine and Paise Five Only	1	metre
20.116.10	600mm dia C.I. Double Flanged Pipe	11939.00	Rupees Eleven Thousand Nine Hundred Thirty Nine and Paise Zero Only	1	metre
20.117	Providing and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS : 8329				
20.117.1	100mm dia Ductile Iron Class K - 7 pipes	491.90	Rupees Four Hundred Ninety One and Paise Ninety Only	1	metre

20.117.2	150mm dia Ductile Iron CClass K - 7 pipes	707.40	Rupees Seven Hundred Seven and Paise Forty Only	1	metre
20.117.3	200mm dia Ductile Iron CClass K - 7 pipes	1021.15	Rupees One Thousand Twenty One and Paise Fifteen Only	1	metre
20.117.4	250mm dia Ductile Iron CClass K - 7 pipes	1358.25	Rupees One Thousand Three Hundred Fifty Eight and Paise Twenty Five Only	1	metre
20.117.5	300mm dia Ductile Iron CClass K - 7 pipes	1718.90	Rupees One Thousand Seven Hundred Eighteen and Paise Ninety Only	1	metre
20.117.6	350mm dia Ductile Iron CClass K - 7 pipes	2145.00	Rupees Two Thousand One Hundred Forty Five and Paise Zero Only	1	metre
20.117.7	400mm dia Ductile Iron CClass K - 7 pipes	2568.00	Rupees Two Thousand Five Hundred Sixty Eight and Paise Zero Only	1	metre
20.117.8	450mm dia Ductile Iron CClass K - 7 pipes	3020.20	Rupees Three Thousand Twenty and Paise Twenty Only	1	metre
20.117.9	500mm dia Ductile Iron CClass K - 7 pipes	3556.00	Rupees Three Thousand Five Hundred Fifty Six and Paise Zero Only	1	metre
20.117.10	600mm dia Ductile Iron CClass K - 7 pipes	4681.10	Rupees Four Thousand Six Hundred Eighty One and Paise Ten Only	1	metre
20.117.11	700mm dia Ductile Iron CClass K - 7 pipes	6784.25	Rupees Six Thousand Seven Hundred Eighty Four and Paise Twenty Five Only	1	metre
20.117.12	800mm dia Ductile Iron CClass K - 7 pipes	8522.65	Rupees Eight Thousand Five Hundred Twenty Two and Paise Sixty Five Only	1	metre
20.117.13	900mm dia Ductile Iron CClass K - 7 pipes	10352.40	Rupees Ten Thousand Three Hundred Fifty Two and Paise Forty Only	1	metre

20.117.14	1000mm dia Ductile Iron CClass K - 7 pipes	12466.80	Rupees Twelve Thousand Four Hundred Sixty Six and Paise Eighty Only	1	metre
20.117.15	100mm dia Ductile Iron CClass K - 9 pipes	585.15	Rupees Five Hundred Eighty Five and Paise Fifteen Only	1	metre
20.117.16	150mm dia Ductile Iron CClass K - 9 pipes	861.95	Rupees Eight Hundred Sixty One and Paise Ninety Five Only	1	metre
20.117.17	200mm dia Ductile Iron CClass K - 9 pipes	1162.25	Rupees One Thousand One Hundred Sixty Two and Paise Twenty Five Only	1	metre
20.117.18	250mm dia Ductile Iron CClass K - 9 pipes	1527.80	Rupees One Thousand Five Hundred Twenty Seven and Paise Eighty Only	1	metre
20.117.19	300mm dia Ductile Iron CClass K - 9 pipes	1935.40	Rupees One Thousand Nine Hundred Thirty Five and Paise Forty Only	1	metre
20.117.20	350mm dia Ductile Iron CClass K - 9 pipes	2433.60	Rupees Two Thousand Four Hundred Thirty Three and Paise Sixty Only	1	metre
20.117.21	400mm dia Ductile Iron CClass K - 9 pipes	2975.40	Rupees Two Thousand Nine Hundred Seventy Five and Paise Forty Only	1	metre
20.117.22	450mm dia Ductile Iron CClass K - 9 pipes	3500.20	Rupees Three Thousand Five Hundred and Paise Twenty Only	1	metre
20.117.23	500mm dia Ductile Iron CClass K - 9 pipes	4091.95	Rupees Four Thousand Ninety One and Paise Ninety Five Only	1	metre
20.117.24	600mm dia Ductile Iron CClass K - 9 pipes	5422.20	Rupees Five Thousand Four Hundred Twenty Two and Paise Twenty Only	1	metre
20.117.25	700mm dia Ductile Iron CClass K - 9 pipes	6925.15	Rupees Six Thousand Nine Hundred Twenty Five and Paise Fifteen Only	1	metre
20.117.26	750mm dia Ductile Iron CClass K - 9 pipes	7776.45	Rupees Seven Thousand Seven Hundred Seventy Six and Paise Forty Five Only	1	metre

20.117.27	800mm dia Ductile Iron CClass K - 9 pipes	8579.50	Rupees Eight Thousand Five Hundred Seventy Nine and Paise Fifty Only	1	metre
20.117.28	900mm dia Ductile Iron CClass K - 9 pipes	10455.70	Rupees Ten Thousand Four Hundred Fifty Five and Paise Seventy Only	1	metre
20.117.29	1000mm dia Ductile Iron CClass K - 9 pipes	11692.70	Rupees Eleven Thousand Six Hundred Ninety Two and Paise Seventy Only	1	metre
20.118	Providing and laying Double Flanged (Screwed/Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K - 9 conforming to IS : 8329				
20.118.1	100mm dia Ductile Iron Double Flanged	1594.85	Rupees One Thousand Five Hundred Ninety Four and Paise Eighty Five Only	1	metre
20.118.2	150mm dia Ductile Iron Double Flanged	2199.50	Rupees Two Thousand One Hundred Ninety Nine and Paise Fifty Only	1	metre
20.118.3	200mm dia Ductile Iron Double Flanged	2872.50	Rupees Two Thousand Eight Hundred Seventy Two and Paise Fifty Only	1	metre
20.118.4	250mm dia Ductile Iron Double Flanged	3763.30	Rupees Three Thousand Seven Hundred Sixty Three and Paise Thirty Only	1	metre
20.118.5	300mm dia Ductile Iron Double Flanged	4866.15	Rupees Four Thousand Eight Hundred Sixty Six and Paise Fifteen Only	1	metre
20.118.6	350mm dia Ductile Iron Double Flanged	6101.30	Rupees Six Thousand One Hundred One and Paise Thirty Only	1	metre
20.118.7	400mm dia Ductile Iron Double Flanged	7271.60	Rupees Seven Thousand Two Hundred Seventy One and Paise Sixty Only	1	metre
20.118.8	450mm dia Ductile Iron Double Flanged	9056.70	Rupees Nine Thousand Fifty Six and Paise Seventy Only	1	metre

20.118.9	500mm dia Ductile Iron Double Flanged	10773.80	Rupees Ten Thousand Seven Hundred Seventy Three and Paise Eighty Only	1	metre
20.118.10	600mm dia Ductile Iron Double Flanged	14770.40	Rupees Fourteen Thousand Seven Hundred Seventy and Paise Forty Only	1	metre
20.118.11	700mm dia Ductile Iron Double Flanged	18082.70	Rupees Eighteen Thousand Eighty Two and Paise Seventy Only	1	metre
20.119	Providing and fixing unplastiised P.V.C. connection pipe with PTMT Nuts of approved quality, colour and make (Prayag or equivalent)				
20.119.1	15 mm nominal bore with 30cm length.	28.65	Rupees Twenty Eight and Paise Sixty Five Only	1	each
20.119.2	15 mm nominal bore. with 45cm length.	34.05	Rupees Thirty Four and Paise Five Only	1	each
20.120	Providing and fixing PTMT extension nipple for water tank pipe, fittings of approved quality, colour and make (Prayag or equivalent)				
20.120.1	15 mm nominal size, with dimensions	26.85	Rupees Twenty Six and Paise Eighty Five Only	1	each
	15 mm nominal size, with dimensions 67x40x40 mm weighing not less than 38gms.				
20.120.2	20 mm nominal size with dimensions 69x43x43 mm weighing not less than 45gms.	33.50	Rupees Thirty Three and Paise Fifty Only	1	each
20.120.3	25 mm nominal size with dimensions 81x51x51 mm weighing not less than 65gms.	52.40	Rupees Fifty Two and Paise Forty Only	1	each
	DRAINAGE				
21.1	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete				
21.1.1	100 mm diameter	77.65	Rupees Seventy Seven and Paise Sixty Five Only	1	metre
21.1.2	150 mm diameter	111.60	Rupees One Hundred Eleven and Paise Sixty Only	1	metre

21.1.3	200 mm diameter	174.20	Rupees One Hundred Seventy Four and Paise Twenty Only	1	metre
21.1.4	230 mm diameter	192.45	Rupees One Hundred Ninety Two and Paise Forty Five Only	1	metre
21.1.5	250 mm diameter	262.15	Rupees Two Hundred Sixty Two and Paise Fifteen Only	1	metre
21.1.6	300mm diameter	353.90	Rupees Three Hundred Fifty Three and Paise Ninety Only	1	metre
21.1.7	400mm diameter	921.65	Rupees Nine Hundred Twenty One and Paise Sixty Five Only	1	metre
21.1.8	500mm diameter	1832.95	Rupees One Thousand Eight Hundred Thirty Two and Paise Ninety Five Only	1	metre
21.1.9	600mm diameter	2699.15	Rupees Two Thousand Six Hundred Ninety Nine and Paise Fifteen Only	1	metre
21.1A	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:3 (1 cement : 3 fine sand) including testing of joints etc. complete				
21.1A.1	100 mm diameter	77.05	Rupees Seventy Seven and Paise Five Only	1	metre
21.1A.2	150 mm diameter	110.35	Rupees One Hundred Ten and Paise Thirty Five Only	1	metre
21.1A.3	200 mm diameter	172.30	Rupees One Hundred Seventy Two and Paise Thirty Only	1	metre
21.2	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) around S.W. pipes including bed concrete as per standard design:				
21.2.1	100 mm diameter S.W. pipe	190.80	Rupees One Hundred Ninety and Paise Eighty Only	1	metre
21.2.2	150 mm diameter S.W. pipe	233.35	Rupees Two Hundred Thirty Three and Paise Thirty Five Only	1	metre
21.2.3	200 mm diameter S.W. pipe	272.00	Rupees Two Hundred Seventy Two and Paise Zero Only	1	metre
21.2.4	230 mm diameter S.W. pipe	297.80	Rupees Two Hundred Ninety Seven and Paise Eighty Only	1	metre

21.2.5	250 mm diameter S.W. pipe	314.55	Rupees Three Hundred Fourteen and Paise Fifty Five Only	1	metre
21.3	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) upto haunches of S.W. pipes including bed concrete as per standard design :				
21.3.1	100 mm diameter S.W. pipe	90.70	Rupees Ninety and Paise Seventy Only	1	metre
21.3.2	150 mm diameter S.W. pipe	146.95	Rupees One Hundred Forty Six and Paise Ninety Five Only	1	metre
21.3.3	200 mm diameter S.W. pipe	172.75	Rupees One Hundred Seventy Two and Paise Seventy Five Only	1	metre
21.3.4	230 mm diameter S.W. pipe	189.50	Rupees One Hundred Eighty Nine and Paise Fifty Only	1	metre
21.3.5	250 mm diameter S.W. pipe	201.10	Rupees Two Hundred One and Paise Ten Only	1	metre
21.3.6	300mm diameter S.W. pipe	232.05	Rupees Two Hundred Thirty Two and Paise Five Only	1	metre
21.3.7	400mm diameter S.W. pipe	264.30	Rupees Two Hundred Sixty Four and Paise Thirty Only	1	metre
21.3.8	500mm diameter S.W. pipe	360.95	Rupees Three Hundred Sixty and Paise Ninety Five Only	1	metre
21.3.9	600mm diameter S.W. pipe	424.15	Rupees Four Hundred Twenty Four and Paise Fifteen Only	1	metre
21.4	Providing and fixing square-mouth S.W. gully trap grade 'A' complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2				
21.4.1	100 x 100 mm size P type				
21.4.1.2	With F.P.S. Bricks class designation 75	489.20	Rupees Four Hundred Eighty Nine and Paise Twenty Only	1	each
21.4.1.3	With Sewer bricks conforming to IS : 4885	574.95	Rupees Five Hundred Seventy Four and Paise Ninety Five Only	1	each
21.4.2	125 x 100 mm size P type				
21.4.2.2	With F.P.S. bricks class designation 75	506.95	Rupees Five Hundred Six and Paise Ninety Five Only	1	each

21.4.2.3	With Sewer bricks conforming to IS : 4885	592.75	Rupees Five Hundred Ninety Two and Paise Seventy Five Only	1	each
21.4.3	150 x 100 mm size P type				
21.4.3.2	With F.P.S. bricks class designation 75	512.25	Rupees Five Hundred Twelve and Paise Twenty Five Only	1	each
21.4.3.3	With Sewer bricks conforming to IS : 4885	598.05	Rupees Five Hundred Ninety Eight and Paise Five Only	1	each
21.4.4	180 x 100 mm size P type				
21.4.4.2	With F.P.S. bricks class designation 75	537.10	Rupees Five Hundred Thirty Seven and Paise Ten Only	1	each
21.4.4.3	With Sewer bricks conforming to IS : 4885	622.90	Rupees Six Hundred Twenty Two and Paise Ninety Only	1	each
21.4.5	180 x 150 mm size P type				
21.4.5.2	With F.P.S. bricks class designation 75	561.35	Rupees Five Hundred Sixty One and Paise Thirty Five Only	1	each
21.4.5.3	With Sewer bricks conforming to IS : 4885	647.10	Rupees Six Hundred Forty Seven and Paise Ten Only	1	each
21.5	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into munic-ipal dumps:				
21.5.1	100 mm diameter	8.80	Rupees Eight and Paise Eighty Only	1	metre
21.5.2	150 mm diameter	9.70	Rupees Nine and Paise Seventy Only	1	metre
21.5.3	200 mm diameter	10.35	Rupees Ten and Paise Thirty Five Only	1	metre
21.5.4	230 mm diameter	10.65	Rupees Ten and Paise Sixty Five Only	1	metre
21.5.5	250 mm diameter	10.95	Rupees Ten and Paise Ninety Five Only	1	metre
21.5.6	300 mm diameter	11.55	Rupees Eleven and Paise Fifty Five Only	1	metre
21.5.7	350 mm diameter	13.35	Rupees Thirteen and Paise Thirty Five Only	1	metre
21.5.8	400 mm diameter	14.55	Rupees Fourteen and Paise Fifty Five Only	1	metre

21.5.9	450 mm diameter	15.20	Rupees Fifteen and Paise Twenty Only	1	metre
21.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete:				
21.6.1	100 mm dia. R.C.C. pipe	134.90	Rupees One Hundred Thirty Four and Paise Ninety Only	1	metre
21.6.2	150 mm dia. R.C.C. pipe	154.75	Rupees One Hundred Fifty Four and Paise Seventy Five Only	1	metre
21.6.3	250 mm dia. R.C.C. pipe	191.70	Rupees One Hundred Ninety One and Paise Seventy Only	1	metre
21.6.4	300 mm dia. R.C.C. pipe	259.45	Rupees Two Hundred Fifty Nine and Paise Forty Five Only	1	metre
21.6.5	450 mm dia. R.C.C. pipe	379.05	Rupees Three Hundred Seventy Nine and Paise Five Only	1	metre
21.6.6	500 mm dia. R.C.C. pipe	455.20	Rupees Four Hundred Fifty Five and Paise Twenty Only	1	metre
21.6.7	600 mm dia. R.C.C. pipe	680.90	Rupees Six Hundred Eighty and Paise Ninety Only	1	metre
21.6.8	700 mm dia. R.C.C. pipe	786.40	Rupees Seven Hundred Eighty Six and Paise Forty Only	1	metre
21.6.9	800 mm dia. R.C.C. pipe	914.35	Rupees Nine Hundred Fourteen and Paise Thirty Five Only	1	metre
21.6.10	900 mm dia. R.C.C. pipe	1075.15	Rupees One Thousand Seventy Five and Paise Fifteen Only	1	metre
21.6.11	1000 mm dia. R.C.C. pipe	1361.95	Rupees One Thousand Three Hundred Sixty One and Paise Ninety Five Only	1	metre
21.6.12	1100 mm dia. R.C.C. pipe	1630.50	Rupees One Thousand Six Hundred Thirty and Paise Fifty Only	1	metre
21.6.13	1200 mm dia. R.C.C. pipe	1714.55	Rupees One Thousand Seven Hundred Fourteen and Paise Fifty Five Only	1	metre

21.11	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design:				
21.11.1	Inside size 90x80cm and 45cm deep including C.I. cover with frame (light duty) 455x610mm internal dimensions total weight of cover and frame to be not less than 38kg (weight of cover 23kg and weight of frame 15 kg)				
21.11.1.2	With F.P.S. bricks with class designation 75	2740.85	Rupees Two Thousand Seven Hundred Forty and Paise Eighty Five Only	1	each
21.11.1.3	With Sewer bricks conforming to IS : 4885	2961.25	Rupees Two Thousand Nine Hundred Sixty One and Paise Twenty Five Only	1	each
21.11.2	Inside size 90x80 cm and 60 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg)				
21.11.2.2	With F.P.S. bricks with class designation 75	2998.40	Rupees Two Thousand Nine Hundred Ninety Eight and Paise Forty Only	1	each
21.11.2.3	With Sewer bricks conforming to IS : 4885	3316.05	Rupees Three Thousand Three Hundred Sixteen and Paise Five Only	1	each
21.11.3	Inside size 120x90cm and 90cm deep including C.I. cover with frame (medium duty) 500mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg)				

21.11.3.2	With F.P.S. bricks class designation 75	5340.65	Rupees Five Thousand Three Hundred Forty and Paise Sixty Five Only	1	each
21.11.3.3	With Sewer bricks conforming to IS : 4885	5943.50	Rupees Five Thousand Nine Hundred Forty Three and Paise Fifty Only	1	each
21.11.4	Inside size 120x90cm and 90cm deep including C.I. cover with frame (heavy duty) 560mm internal diameter, total weight of cover and frame to be not less than 208 kg (weight of cover 108 kg and weight of frame 100 kg)				
21.11.4.2	With F.P.S. bricks class designation 75	6355.10	Rupees Six Thousand Three Hundred Fifty Five and Paise Ten Only	1	each
21.11.4.3	With Sewer bricks conforming to IS : 4885	6873.70	Rupees Six Thousand Eight Hundred Seventy Three and Paise Seventy Only	1	each
21.12	Extra for depth for manholes				
21.12.1	Size 90x80cm				
21.12.1.2	With F.P.S. bricks class designation 75	1702.15	Rupees One Thousand Seven Hundred Two and Paise Fifteen Only	1	metre
21.12.1.3	With Sewer bricks conforming to IS : 4885	2343.90	Rupees Two Thousand Three Hundred Forty Three and Paise Ninety Only	1	metre
21.12.2	Size 120x90cm				
21.12.2.2	With F.P.S. bricks class designation 75	2039.15	Rupees Two Thousand Thirty Nine and Paise Fifteen Only	1	metre
21.12.2.3	With Sewer bricks conforming to IS : 4885	2804.10	Rupees Two Thousand Eight Hundred Four and Paise Ten Only	1	metre

21.15A	Constructing brick masonry circular type manhole 0.91m internal dia at bottom and 0.56m dia at in cement mortar 1:4 (1 cement :4 coarse sand), in side cement plaster 12 mm thick with cement moratr 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size), and making necessary channel in cment concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement all complete as per standard design				
21.15A.1	0.91 m deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182kg., fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including centering shuttering all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately)				
21.15A.1.1	With F.P.S. bricks class designation 75	3246.15	Rupees Three Thousand Two Hundred Forty Six and Paise Fifteen Only	1	each
21.15A.1.2	With Sewer bricks conforming to IS : 4885	3602.00	Rupees Three Thousand Six Hundred Two and Paise Zero Only	1	each
21.15A.2	1.67 m deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg., fixed in cement concrete 1:2:4 (1 cement :2 coarse sand:4 graded stone aggregate 20 mm nominal size) including centering shuttering all complete. (Excavation, foot rests and 12 mm thick cement plaster at the external surface shall be paid for separately)				
21.15A.2.1	With F.P.S. bricks class designation 75	4452.30	Rupees Four Thousand Four Hundred Fifty Two and Paise Thirty Only	1	each

21.15A.2.2	With Sewer bricks conforming IS : 4885	5216.55	Rupees Five Thousand Two Hundred Sixteen and Paise Fifty Five Only	1	each
21.15B	Extra depth for circular type manhole 0.91m internal dia (at bottom) with beyond 0.91m to 1.67m				
21.15B.1	With F.P.S. bricks class designation 75	1587.05	Rupees One Thousand Five Hundred Eighty Seven and Paise Five Only	1	metre
21.15B.2	With Sewer bricks conforming IS : 4885	2124.35	Rupees Two Thousand One Hundred Twenty Four and Paise Thirty Five Only	1	metre
21.15C	Constructing brick masonry circular manhole 1.22m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement :4 coarse sand) inside cement plaster 12mm thick with cement mortar 1:3 (1 cement :3 coarse sand) finished with a floating coat of neat cement foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement all complete as per standard design				
21.15C.1	1.68 m deep with SFRC Cover and frame (heavy duty HD-20 grade designation) 560mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182kg. fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including centering shuttering all complete. (Excavation, foot rests and 12 mm thick cement plaster at the external surface shall be paid for separately)				
21.15C.1.1	With F.P.S. bricks class designation 75	5794.00	Rupees Five Thousand Seven Hundred Ninety Four and Paise Zero Only	1	each
21.15C.1.2	With Sewer bricks conforming IS : 4885	6642.55	Rupees Six Thousand Six Hundred Forty Two and Paise Fifty Five Only	1	each

21.15C.2	2.29 m deep with SFRC Cover and frame (heavy duty HD- 20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg., fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including centering shuttering all complete. (Excavation, foot rests and 12 mm thick cement plaster at the external surface shall be paid for separately)				
21.15C.2.1	With F.P.S. bricks class designation 75	7046.65	Rupees Seven Thousand Forty Six and Paise Sixty Five Only	1	each
21.15C.2.2	With Sewer bricks conforming IS : 4885	8323.00	Rupees Eight Thousand Three Hundred Twenty Three and Paise Zero Only	1	each
21.15D	Extra depth for circular type manhole 1.22m internal dia (at bottom) beyond 1.68 m to 2.29 m				
21.15D.1	With F.P.S. bricks class designation 75	2053.50	Rupees Two Thousand Fifty Three and Paise Fifty Only	1	metre
21.15D.2	With Sewer bricks conforming IS : 4885	2754.85	Rupees Two Thousand Seven Hundred Fifty Four and Paise Eighty Five Only	1	metre
21.15E	Constructing brick masonry circular manhole 1.52 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand) inside cement plaster 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement all complete as per standard design				

21.15E.1	2.30m deep with SFRC Cover and frame (heavy duty HD- 20 grade designation) 560mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg. fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including centering shuttering all complete. (Excavation, foot rests and 12 mm thick cement plaster at the external surface shall be paid for separately)				
21.15E.1.1	With F.P.S. bricks class designation 75	11899.10	Rupees Eleven Thousand Eight Hundred Ninety Nine and Paise Ten Only	1	each
21.15E.1.2	With Sewer bricks conforming IS : 4885	14309.30	Rupees Fourteen Thousand Three Hundred Nine and Paise Thirty Only	1	each
21.15E.2	4.18 m deep with SFRC Cover and frame (heavy duty HD- 20 grade designation) 560mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg. fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including centering shuttering all complete (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately)				
21.15E.2.1	With F.P.S. bricks class designation 75	21081.50	Rupees Twenty One Thousand Eighty One and Paise Fifty Only	1	each
21.15E.2.2	With Sewer bricks conforming IS : 4885	26901.40	Rupees Twenty Six Thousand Nine Hundred One and Paise Forty Only	1	each
21.15F	Extra depth for circular type manhole 1.52 m internal dia (at bottom) beyond 2.30m.				
21.15F.1	With F.P.S. bricks class designation 75	4884.25	Rupees Four Thousand Eight Hundred Eighty Four and Paise Twenty Five Only	1	metre
21.15F.2	With Sewer bricks conforming IS : 4885	6697.95	Rupees Six Thousand Six Hundred Ninety Seven and Paise Ninety Five Only	1	metre
21.17	Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1cement : 3coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design :				

21.17.1	With 20x20 mm square bar	84.20	Rupees Eighty Four and Paise Twenty Only	1	each
21.17.2	With 20 mm diameter round bar	73.10	Rupees Seventy Three and Paise Ten Only	1	each
21.17A	Providing orange colour safety foot rest of minimum 6mm thick plastic encapsulated as per IS : 10910 on 12mm dia steel bar conforming to IS : 1786 having minimum cross section as 23 mmx25mm and over all minimum length 263mm and width as 165mm with minimum 112mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate 20 mm nominal size) complete as per design.	116.60	Rupees One Hundred Sixteen and Paise Sixty Only	1	each
21.18	Replacement of M.S. foot rests in manholes including dismantling concrete blocks and fixing with 20x20x10cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) :				
21.18.1	With 20x20 mm square bar	97.35	Rupees Ninety Seven and Paise Thirty Five Only	1	each
21.18.2	With 20 mm diameter round bar	86.30	Rupees Eighty Six and Paise Thirty Only	1	each
21.19	Supplying and fixing C.I. cover without frame for manholes:				
21.19.1	455x610 mm rectangular C.I. cover (light duty) the weight of the cover to be not less than 23 kg.	339.65	Rupees Three Hundred Thirty Nine and Paise Sixty Five Only	1	each
21.19.2	500 mm diameter C.I. cover (medium duty) the weight of the cover to be not less than 58 kg.	771.90	Rupees Seven Hundred Seventy One and Paise Ninety Only	1	each
21.19.3	560 mm diameter C.I. cover (heavy duty) the weight of the cover to be not less than 108 kg.	1223.70	Rupees One Thousand Two Hundred Twenty Three and Paise Seventy Only	1	each
21.19A	Providing and fixing in position precast R.C.C. manhole cover and frame of required shape and approved quality				

21.19A.1	L D- 2.5				
21.19A.1.1	Rectangular shape 600x450mm internal dimensions	699.15	Rupees Six Hundred Ninety Nine and Paise Fifteen Only	1	each
21.19A.1.2	Square shape 450mm internal dimensions	569.65	Rupees Five Hundred Sixty Nine and Paise Sixty Five Only	1	each
21.19A.1.3	Circular shape 450mm internal diameter	514.10	Rupees Five Hundred Fourteen and Paise Ten Only	1	each
21.19A.2	M D - 10				
21.19A.2.1	Square shape 450mm internal dimension	645.80	Rupees Six Hundred Forty Five and Paise Eighty Only	1	each
21.19A.2.2	Circular shape 500mm internal diameter	627.40	Rupees Six Hundred Twenty Seven and Paise Forty Only	1	each
21.19A.3	H D - 20				
21.19A.3.1	Circular shape 560 mm internal diameter	879.20	Rupees Eight Hundred Seventy Nine and Paise Twenty Only	1	each
21.19A.4	EHD - 35				
21.19A.4.1	Circular shape 560 mm internal dia.	968.05	Rupees Nine Hundred Sixty Eight and Paise Five Only	1	each
21.20	Supplying and fixing C.I. cover 300x300mm without frame for gully trap (standard pattern) the weight of cover to be not less than 4.5kg. Each	71.70	Rupees Seventy One and Paise Seventy Only	1	each
21.21	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides				
21.21.1	For pipes 100 to 230 mm diameter	108.10	Rupees One Hundred Eight and Paise Ten Only	1	each
21.21.2	For pipes 250 to 300 mm diameter	131.80	Rupees One Hundred Thirty One and Paise Eighty Only	1	each
21.21.3	For pipes 350 to 450 mm diameter	193.20	Rupees One Hundred Ninety Three and Paise Twenty Only	1	each

21.22	Providing sand cast iron drop connection externally for 60 cm drop from branch sewer line to main sewer manhole including inspection and cleaning eye with chain and lid, sand cast iron drop pipe and bend encased around with cement concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) with all centring and shuttering required, cutting holes in walls and making good with brick work in cement mortar 1:5 (1 cement : 5 fine sand) plastered with cement mortar 1:3 (1 cement : 3 coarse sand) on inside of the manhole wall lead caulked joints between sand cast iron pipes and fittings, stiff cement mortar 1:1 (1 cement : 1 fine sand) joints between sand cast iron tee and S.W. pipe, making required channels complete as per standard design and specifications:				
21.22.1	100 mm dia. sand cast iron drop connection	2044.40	Rupees Two Thousand Forty Four and Paise Forty Only	1	each
21.22.2	150 mm dia. sand cast iron drop connection	3268.85	Rupees Three Thousand Two Hundred Sixty Eight and Paise Eighty Five Only	1	each
21.23	Extra for depths beyond 60 cm of sand cast iron drop connection complete :				
21.23.1	For 100 mm dia. sand cast iron drop connection	775.65	Rupees Seven Hundred Seventy Five and Paise Sixty Five Only	1	metre
21.23.2	For 150 mm dia. sand cast iron drop connection	1265.25	Rupees One Thousand Two Hundred Sixty Five and Paise Twenty Five Only	1	metre
21.24	Dismantling of manhole including R.C.C. top slab, C.I. cover with frame including stacking of useful materials near the site and disposal of unserviceable materials into municipal dumps within 50 m lead :				
21.24.1	Rectangular manhole 90x80 cm and 45 cm deep	255.10	Rupees Two Hundred Fifty Five and Paise Ten Only	1	each
21.24.2	Rectangular manhole 120x90 cm and 90 cm deep	447.05	Rupees Four Hundred Forty Seven and Paise Five Only	1	each
21.24.3	Rectangular arch type manhole 140x90cm and 2.45m deep	838.70	Rupees Eight Hundred Thirty Eight and Paise Seventy Only	1	each

21.24.4	Circular manhole 122 cm diameter and 1.68 m deep	648.80	Rupees Six Hundred Forty Eight and Paise Eighty Only	1	each
21.25	Extra for depth of manholes dismantled:				
21.25.1	Rectangular manhole 90x80 cm and 45 cm deep	203.35	Rupees Two Hundred Three and Paise Thirty Five Only	1	metre
21.25.2	Rectangular manhole 120x90 cm and 90 cm deep	242.20	Rupees Two Hundred Forty Two and Paise Twenty Only	1	metre
21.25.3	Rectangular arch type manhole 140x90 cm and 2.45m deep (upto 4.25 m depth)	195.95	Rupees One Hundred Ninety Five and Paise Ninety Five Only	1	metre
21.25.4	Circular manhole 122 cm diameter and 1.68 m deep (upto 2.29 m depth)	343.20	Rupees Three Hundred Forty Three and Paise Twenty Only	1	metre
21.25A	Raising manhole cover and frame slab to required level including dismantling existing slab and making good the damage as required (Raising depth of manhole to be paid separately)				
21.25A.1	Rectangular manhole 90x80 cm with rectangular cover 600x450 mm of grade LD - 2.5	485.25	Rupees Four Hundred Eighty Five and Paise Twenty Five Only	1	each
21.25A.2	Rectangular manhole 120x90 cm with circular cover 500 mm dia of grade MD - 10	757.90	Rupees Seven Hundred Fifty Seven and Paise Ninety Only	1	each
21.25A.3	Rectangular manhole 120x90 cm with circular cover 560 mm dia of grade HD - 20	705.50	Rupees Seven Hundred Five and Paise Fifty Only	1	each
21.25A.4	Circular manhole 140 cm dia with circular cover 600 mm dia of grade EHD - 35	68.15	Rupees Sixty Eight and Paise Fifteen Only	1	each
21.27	Constructing brick masonry road gully chamber 50x45x60 cm with bricks of class designation 75 in cement mortar 1:5 (1 cement :5 fine sand) including 500x450mm precast R.C.C. horizontal grating with frame complete as per standard design:				
21.27.2	With F.P.S. bricks	1408.05	Rupees One Thousand Four Hundred Eight and Paise Five Only	1	each
21.28	Constructing brick masonry road gully chamber 45x45x77.5 cm with bricks of class designation 75 in cement mortar 1:5 (1 cement :5 fine sand) with precast R.C.C.vertical grating complete as per standard design:				
21.28.2	With F.P.S. bricks	1444.20	Rupees One Thousand Four Hundred Forty Four and Paise Twenty Only	1	each

21.29	Constructing brick masonry road gully chamber 110x50x77.5 cm with bricks of class designation 75 in cement mortar 1:5 (1 cement :5 fine sand) including 500x450 mm precast R.C.C. horizontal grating with frame and vertical grating complete as per standard design				
21.29.2	With F.P.S. bricks	2642.30	Rupees Two Thousand Six Hundred Forty Two and Paise Thirty Only	1	each
21.33	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with 75 class designation bricks in cement mortar 1:5 (1 cement : 5 fine sand) C.I. cover with frame (light duty) 455 x 610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C. top slab with 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design:				
21.33.1	Inside dimensions 455x610 mm and 45 cm deep for single pipe line-				
21.33.1.2	With F.P.S. bricks	1432.40	Rupees One Thousand Four Hundred Thirty Two and Paise Forty Only	1	each
21.33.2	Inside dimensions 500x700 mm and 45 cm deep for pipe line with one or two inlets-				
21.33.2.2	With F.P.S. bricks	1683.50	Rupees One Thousand Six Hundred Eighty Three and Paise Fifty Only	1	each
21.33.3	Inside dimensions 600x 850 mm and 45 cm deep for pipe line with three or more inlets-				
21.33.3.2	With F.P.S. bricks	1960.90	Rupees One Thousand Nine Hundred Sixty and Paise Ninety Only	1	each
21.34	Extra for depth beyond 45 cm of brick masonry chamber				

21.34.1	For 455x610 mm size				
21.34.1.2	With F.P.S. bricks	1116.85	Rupees One Thousand One Hundred Sixteen and Paise Eighty Five Only	1	metre
21.34.2	For 500x700 mm size				
21.34.2.2	With F.P.S. bricks	1218.70	Rupees One Thousand Two Hundred Eighteen and Paise Seventy Only	1	metre
21.34.3	For 600x850 mm size				
21.34.3.2	With F.P.S. bricks	1419.65	Rupees One Thousand Four Hundred Nineteen and Paise Sixty Five Only	1	metre
21.35	Constructing brick masonry open surface drain with bricks of class designation 75 in cement mortar 1:4 (1 cement : 4 fine sand) including earth excavation, 10 cm thick bed concrete 1:5:10 (1 cement: 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and 25 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) for filling haunches including 12 mm cement plaster 1:4 (1 cement : 4 coarse sand) with a floating coat of neat cement inside the drain, its top and exposed side including disposal of surplus earth complete as per standard design:				
21.35.1	10 cm drain 20 cm average depth-				
21.35.1.2	With F.P.S. bricks	184.55	Rupees One Hundred Eighty Four and Paise Fifty Five Only	1	metre
21.35.2	15 cm drain 20 cm average depth-				
21.35.2.2	With F.P.S. bricks	195.20	Rupees One Hundred Ninety Five and Paise Twenty Only	1	metre
21.35.3	25 cm drain 30 cm average depth-				
21.35.3.2	With F.P.S. bricks	267.20	Rupees Two Hundred Sixty Seven and Paise Twenty Only	1	metre

21.38	Constructing grease trap 80x40x46cm (inside) with one brick thick brick masonry wall with inlet and outlet drain with bricks of class designation 75 in cement mortar 1:4 (1 cement : 4 fine sand) plastered 12 mm thick with 1:4 (1 cement : 4 coarse sand) finished with a floating coat of neat cement on inside and exposed surfaces having two stone baffled walls 34.5 cm deep and third one 19 cm deep, each 40 mm thick and 45 cm long embedded 2.5 cm on either side in brick masonry, 40 mm thick 100 x 60 cm stone cover and 7.5 cm thick bed concrete 1:5:10 (1cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) with 40 mm flooring in cement concrete 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) with a floating coat of neat cement including all earth excavation, refilling and disposal of surplus earth complete as per standard design:				
21.38.2	With F.P.S. bricks	1074.75	Rupees One Thousand Seventy Four and Paise Seventy Five Only	1	each
21.39	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks of class designation 75 and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.				
21.39.2	With F.P.S. bricks	6396.25	Rupees Six Thousand Three Hundred Ninety Six and Paise Twenty Five Only	1	each
21.40	Constructing soak pit 1.20x1.20x1.20m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	744.35	Rupees Seven Hundred Forty Four and Paise Thirty Five Only	1	each
21.41	Providing and fixing S.W. intercepting trap in manholes with stiff mixture of cement mortar 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete				
21.41.1	100 mm dia	137.15	Rupees One Hundred Thirty Seven and Paise Fifteen Only	1	each
21.41.2	150 mm dia	214.25	Rupees Two Hundred Fourteen and Paise Twenty Five Only	1	each
	MISCELLANEUS				

22.9	Cutting holes upto 30x30cm in walls including making good the same.				
22.9.2	With F.P.S. bricks	59.55	Rupees Fifty Nine and Paise Fifty Five Only	1	each
22.10	Cutting holes upto 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement :2coarse sand :4 graded stone aggregate 20mm nominal size) including finishing complete so as to make it leak proof.	56.05	Rupees Fifty Six and Paise Five Only	1	each
22.15	Making chases upto 7.5x7.5 cm in walls including making good after housing G.I.pipe etc.	24.15	Rupees Twenty Four and Paise Fifteen Only	1	metre
22.16	Making hole upto 20x20 cm and embedding pipes upto 150 mm diameter in masonry and filling with cement concrete 1:3:6 (1 cement :3 coarse sand : 6 graded stone aggregate 20 mm nominal size) including disposal of malba.	40.45	Rupees Forty and Paise Forty Five Only	1	metre
22.20	Disinfecting C.I. water mains by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, operation to be repeated three times including getting the sample of water from the disinfected main tested in the municipal laboratory.				
22.20.1	80 mm diameter C.I. pipe	198.90	Rupees One Hundred Ninety Eight and Paise Ninety Only	100	metre
22.20.2	100 mm diameter C.I. pipe	263.15	Rupees Two Hundred Sixty Three and Paise Fifteen Only	100	metre
22.20.3	125 mm diameter C.I. pipe	331.60	Rupees Three Hundred Thirty One and Paise Sixty Only	100	metre
22.20.4	150 mm diameter C.I. pipe	402.30	Rupees Four Hundred Two and Paise Thirty Only	100	metre
22.20.5	200 mm diameter C.I. pipe	545.45	Rupees Five Hundred Forty Five and Paise Forty Five Only	100	metre
22.20.6	250 mm diameter C.I. pipe	697.55	Rupees Six Hundred Ninety Seven and Paise Fifty Five Only	100	metre
22.20.7	300 mm diameter C.I. pipe	793.25	Rupees Seven Hundred Ninety Three and Paise Twenty Five Only	100	metre
22.20.8	350 mm diameter C.I. pipe	895.45	Rupees Eight Hundred Ninety Five and Paise Forty Five Only	100	metre

22.20.9	400 mm diameter C.I. pipe	1006.95	Rupees One Thousand Six and Paise Ninety Five Only	100	metre
22.20.10	450 mm diameter C.I. pipe	1122.85	Rupees One Thousand One Hundred Twenty Two and Paise Eighty Five Only	100	metre
22.20.11	500 mm diameter C.I. pipe	1247.55	Rupees One Thousand Two Hundred Forty Seven and Paise Fifty Five Only	100	metre
22.20.12	600 mm diameter C.I. pipe	1510.75	Rupees One Thousand Five Hundred Ten and Paise Seventy Five Only	100	metre
22.21	Extra for every operation of disinfecting the C.I. main by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, including getting the samples of water tested in the municipal laboratory.				
22.21.1	80 mm diameter C.I. pipe.	73.00	Rupees Seventy Three and Paise Zero Only	100	metre
22.21.2	100 mm diameter C.I. pipe.	89.60	Rupees Eighty Nine and Paise Sixty Only	100	metre
22.21.3	125 mm diameter C.I. pipe.	110.50	Rupees One Hundred Ten and Paise Fifty Only	100	metre
22.21.4	150 mm diameter C.I. pipe.	130.50	Rupees One Hundred Thirty and Paise Fifty Only	100	metre
22.21.5	200 mm diameter C.I. pipe.	201.55	Rupees Two Hundred One and Paise Fifty Five Only	100	metre
22.21.6	250 mm diameter C.I. pipe.	235.75	Rupees Two Hundred Thirty Five and Paise Seventy Five Only	100	metre
22.21.7	300 mm diameter C.I. pipe.	269.45	Rupees Two Hundred Sixty Nine and Paise Forty Five Only	100	metre
22.21.8	350 mm diameter C.I. pipe.	320.85	Rupees Three Hundred Twenty and Paise Eighty Five Only	100	metre
22.21.9	400 mm diameter C.I. pipe.	373.90	Rupees Three Hundred Seventy Three and Paise Ninety Only	100	metre
22.21.10	450 mm diameter C.I. pipe.	429.85	Rupees Four Hundred Twenty Nine and Paise Eighty Five Only	100	metre

22.21.11	500 mm diameter C.I. pipe.	486.80	Rupees Four Hundred Eighty Six and Paise Eighty Only	100	metre
22.21.12	600 mm diameter C.I. pipe.	606.70	Rupees Six Hundred Six and Paise Seventy Only	100	metre
22.22	Dismantling old C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes at site lead upto 50 metre.				
22.22.1	80 mm diameter C.I. pipe.	65.10	Rupees Sixty Five and Paise Ten Only	1	metre
22.22.2	100 mm diameter C.I. pipe.	66.85	Rupees Sixty Six and Paise Eighty Five Only	1	metre
22.22.3	125 mm dia metre C.I. pipe.	68.45	Rupees Sixty Eight and Paise Forty Five Only	1	metre
22.22.4	150 mm dia metre C.I. pipe.	70.10	Rupees Seventy and Paise Ten Only	1	metre
22.22.5	200 mm dia metre C.I. pipe.	77.05	Rupees Seventy Seven and Paise Five Only	1	metre
22.22.6	250 mm dia metre C.I. pipe.	83.80	Rupees Eighty Three and Paise Eighty Only	1	metre
22.22.7	300 mm dia metre C.I. pipe.	89.50	Rupees Eighty Nine and Paise Fifty Only	1	metre
22.22.8	350 mm dia metre C.I. pipe.	94.65	Rupees Ninety Four and Paise Sixty Five Only	1	metre
22.22.9	400 mm dia metre C.I. pipe.	99.15	Rupees Ninety Nine and Paise Fifteen Only	1	metre
22.22.10	450 mm dia metre C.I. pipe.	103.85	Rupees One Hundred Three and Paise Eighty Five Only	1	metre
22.22.11	500 mm dia metre C.I. pipe.	107.65	Rupees One Hundred Seven and Paise Sixty Five Only	1	metre
22.22.12	600 mm dia metre C.I. pipe.	113.65	Rupees One Hundred Thirteen and Paise Sixty Five Only	1	metre
22.23	Labour for cutting C.I. pipe with steel saw.				
22.23.1	80 mm diameter C.I. pipe	16.15	Rupees Sixteen and Paise Fifteen Only	1	each cut

22.23.2	100 mm diameter C.I. pipe	21.75	Rupees Twenty One and Paise Seventy Five Only	1	each cut
22.23.3	125 mm diameter C.I. pipe	30.40	Rupees Thirty and Paise Forty Only	1	each cut
22.23.4	150 mm diameter C.I. pipe	40.95	Rupees Forty and Paise Ninety Five Only	1	each cut
22.23.5	200 mm diameter C.I. pipe	54.60	Rupees Fifty Four and Paise Sixty Only	1	each cut
22.23.6	250 mm diameter C.I. pipe	67.65	Rupees Sixty Seven and Paise Sixty Five Only	1	each cut
22.23.7	300 mm diameter C.I. pipe	81.35	Rupees Eighty One and Paise Thirty Five Only	1	each cut
22.23.8	350 mm diameter C.I. pipe	94.35	Rupees Ninety Four and Paise Thirty Five Only	1	each cut
22.23.9	400 mm diameter C.I. pipe	107.95	Rupees One Hundred Seven and Paise Ninety Five Only	1	each cut
22.23.10	450 mm diameter C.I. pipe	121.10	Rupees One Hundred Twenty One and Paise Ten Only	1	each cut
22.23.11	500 mm diameter C.I. pipe	134.65	Rupees One Hundred Thirty Four and Paise Sixty Five Only	1	each cut
22.23.12	600 mm diameter C.I. pipe	160.10	Rupees One Hundred Sixty and Paise Ten Only	1	each cut
22.24.	Supplying and stacking of hard stone (for stone pitching) 22.5 cm thick at site	388.80	Rupees Three Hundred Eighty Eight and Paise Eighty Only	1	cum
22.25A	Dry stone pitching 22.5cm thick laid in courses and required profile with hammer dressed stones having no side less than 15 cm, with minimum depth of 20cm including preparing the bedding surface etc. all complete.	68.15	Rupees Sixty Eight and Paise Fifteen Only	1	sqm
22.26	75 mm thick back filling for pitching including supplying of required materials and consolidation etc. complete with.				
22.26.1	Moorum	21.70	Rupees Twenty One and Paise Seventy Only	1	sqm
22.26.2	Stone aggregate 20 mm nominal size	37.65	Rupees Thirty Seven and Paise Sixty Five Only	1	sqm
22.26.3	Stone aggregate 40 mm nominal size	35.95	Rupees Thirty Five and Paise Ninety Five Only	1	sqm

	PILE WORK				
23.1	Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of specified diameter and length below the pile cap M 35 in cement concrete, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap).				
23.1.1	400 mm dia piles	686.30	Rupees Six Hundred Eighty Six and Paise Thirty Only	1	metre
23.1.2	450 mm dia piles	845.50	Rupees Eight Hundred Forty Five and Paise Fifty Only	1	metre
23.1.3	500 mm dia piles	1022.80	Rupees One Thousand Twenty Two and Paise Eighty Only	1	metre
23.1.4	550 mm dia piles	1219.05	Rupees One Thousand Two Hundred Nineteen and Paise Five Only	1	metre
23.2	Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M 35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with casing and/or bentonite solution and the length of the pile to be embedded in the pile cap. (Length of pile for payment shall be measured upto bottom of pile cap).				
23.2.1	300 mm dia. piles	245.15	Rupees Two Hundred Forty Five and Paise Fifteen Only	1	metre
23.2.2	400 mm dia. piles	436.65	Rupees Four Hundred Thirty Six and Paise Sixty Five Only	1	metre
23.2.3	450 mm dia. piles	552.60	Rupees Five Hundred Fifty Two and Paise Sixty Only	1	metre
23.2.4	600 mm dia. piles	982.65	Rupees Nine Hundred Eighty Two and Paise Sixty Five Only	1	metre

23.3	Boring, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M 35 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap. (Length of pile for payment shall be measured upto to the bottom of pile cap).				
23.3.1	300 mm dia. piles	284.30	Rupees Two Hundred Eighty Four and Paise Thirty Only	1	metre
23.3.2	400 mm dia. piles	538.70	Rupees Five Hundred Thirty Eight and Paise Seventy Only	1	metre
23.3.3	450 mm dia. piles	694.65	Rupees Six Hundred Ninety Four and Paise Sixty Five Only	1	metre
23.3.4	550 mm dia. piles	817.25	Rupees Eight Hundred Seventeen and Paise Twenty Five Only	1	metre
23.4	Extra over Item No 23.2.4 for boring, providing and installing cast in situ double under reamed piles, instead of single under ream of specified diameter and length. (Only the quantity of extra bulbs are to be paid)	359.20	Rupees Three Hundred Fifty Nine and Paise Twenty Only	1	bulb
23.5	Providing, driving and installing driven Pre-cast reinforced cement concrete piles of specified diameter and length below the pile cap in M 35 cement concrete to carry safe working load not less than specified. With a central through preformed hole with M.S. black pipe of dia, 40mm for grouting with cement sand grouting of mix 1:2 (1 cement : 2 coarse sand) under sufficient positive pressure to ensure complete filling including centring, shuttering, driving and removing the steel casing pipe and lifting casing etc. complete but excluding the cost of steel reinforcement. (Length of pile for payment shall be measured from top of the shoe to the bottom of pile cap).				
23.5.1	400 mm dia.	816.05	Rupees Eight Hundred Sixteen and Paise Five Only	metre	metre
23.5.2	450 mm dia.	1009.20	Rupees One Thousand Nine and Paise Twenty Only	metre	metre

23.5.3	500 mm dia.	1223.60	Rupees One Thousand Two Hundred Twenty Three and Paise Sixty Only	metre	metre
23.5.4	550 mm dia.	1471.05	Rupees One Thousand Four Hundred Seventy One and Paise Five Only	metre	metre
23.7	Vertical load testing of piles in accordance with IS 2911 (Part IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & the direction of Engineer in-charge.				
23.7.1	Single pile				
23.7.1.1	Upto 50 tonne capacity pile				
23.7.1.1.1	Initial test	21109.00	Rupees Twenty One Thousand One Hundred Nine and Paise Zero Only	1	each
23.7.1.1.2	Routine test	12221.00	Rupees Twelve Thousand Two Hundred Twenty One and Paise Zero Only	1	each
23.7.1.2	Above 50 tonne and upto 100 tonne capacity pile.				
23.7.1.2.1	Initial test	29997.00	Rupees Twenty Nine Thousand Nine Hundred Ninety Seven and Paise Zero Only	1	each
23.7.1.2.2	Routine test	18887.00	Rupees Eighteen Thousand Eight Hundred Eighty Seven and Paise Zero Only	1	each
23.7.2	Group of two or more piles.				
23.7.2.1	Upto 50 tonne capacity				
23.7.2.1.1	Initial test	41107.00	Rupees Forty One Thousand One Hundred Seven and Paise Zero Only	1	each
23.7.2.1.2	Routine test	24442.00	Rupees Twenty Four Thousand Four Hundred Forty Two and Paise Zero Only	1	each

23.8	Cyclic vertical load testing of pile in accordance with IS Code of practice IS : 2911 (part IV) including preparation of pile head etc for :-				
23.8.1	Single pile				
23.8.1.1	Upto 50 tonne capacity pile	12221.00	Rupees Twelve Thousand Two Hundred Twenty One and Paise Zero Only	1	each
23.8.1.2	Above 50 tonne and upto 100 tonne capacity pile.	18887.00	Rupees Eighteen Thousand Eight Hundred Eighty Seven and Paise Zero Only	1	each
23.8.2	Group of two piles.				
23.8.2.1	Upto 50 tonne capacity each.	24442.00	Rupees Twenty Four Thousand Four Hundred Forty Two and Paise Zero Only	1	each
23.9	Lateral load testing of single pile in accordance with I.S. Code of practice I.S : 2911 (Part IV) for determining safe allowable lateral load on pile :				
23.9.1	Upto 50 tonne capacity pile	12221.00	Rupees Twelve Thousand Two Hundred Twenty One and Paise Zero Only	1	each
23.9.2	Above 50 tonne and upto 100 tonne Capacity piles.	18887.00	Rupees Eighteen Thousand Eight Hundred Eighty Seven and Paise Zero Only	1	each
	ALUMINIUM WORK				

24.1	Providing and fixing anodised aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS: 733 and IS : 1285, anodised transparent or dyed to required shade according to IS : 1868. (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and panelling to be paid for separately.)				
24.1.1	For fixed portion	188.20	Rupees One Hundred Eighty Eight and Paise Twenty Only	1	kg
24.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for separately.)	198.50	Rupees One Hundred Ninety Eight and Paise Fifty Only	1	kg
24.2	Providing and fixing 12mm thick prelaminated three layer medium density (exterior grade) particle board Grade I, Type II conforming to IS : 12823 bonded with phenol formaldehyde synthetic resin, of approved brand and manufacture in panelling 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.				
24.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side.	615.55	Rupees Six Hundred Fifteen and Paise Fifty Five Only	1	sqm
24.2.2	Prelaminated particle board with decorative lamination on both sides.	708.90	Rupees Seven Hundred Eight and Paise Ninety Only	1	sqm

24.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC / 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.)				
24.3.1	With glass panes of 4.0 mm thickness (weight not less than 10.0 kg / sqm)	413.90	Rupees Four Hundred Thirteen and Paise Ninety Only	1	sqm
24.3.2	With glass panes of 5.50 mm thickness (weight not less than 13.75 kg / sqm)	525.75	Rupees Five Hundred Twenty Five and Paise Seventy Five Only	1	sqm
24.4	Providing and fixing double action hydraulic floor spring of approved brand and manufacture IS : 6315 marked, Hardwyn make (model 3000) or equivalent for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.				
24.4.1	With Stainless Steel cover plate	1626.85	Rupees One Thousand Six Hundred Twenty Six and Paise Eighty Five Only	1	each
24.4.2	With Brass cover plate	1793.50	Rupees One Thousand Seven Hundred Ninety Three and Paise Fifty Only	1	each
24.5	Providing and fixing anodised aluminium work (with minimum 15 micron uniform anodic coating) consisting of tee / angle sections, of approved make conforming to IS : 733 in frames of false ceiling including aluminium angle cleats with necessary C.P. brass / stainless steel sunk screws, aluminium perimeter angles fixed to wall with rawl plugs @ 450 mm centre to centre and fixing the frame work to level adjusting hangers (6 mm dia. M.S. rods) with necessary cadmium plated machine screws all complete as per approved architectural drawings and direction of the Engineer-in-charge (level adjusting hangers, ceiling cleats and expansion hold fastners to be paid for separately).	229.70	Rupees Two Hundred Twenty Nine and Paise Seventy Only	1	kg

24.6	Providing and fixing level adjusting hangers of 6 mm dia. M.S. rods (upto 1200mm length) fixed to roof slabs by means of M.S. angle ceiling cleats 40x40x5mm size 40mm long and expansion hold fastners 12.5 mm dia. 40mm long including applying priming coat of zinc chromate yellow primer for steel members complete	51.15	Rupees Fifty One and Paise Fifteen Only	1	each
24.7	Providing and fixing machine moulded anodised aluminium covering of approved pattern & design, made out of machine cut aluminium sheet and machine holed for receiving screws, over expansion joints on vertical surfaces/ceilings with full threaded, cadmium plated steel screws 4mm dia. stem, 30mm long and aluminium washers 2mm thick, 15mm dia. at a staggered pitch of 200mm centre to centre including drilling holes in the receiving surface and providing expandable plastic sleeves in holes etc. complete. (Anodising on the aluminium sheet and washers to be 15 micron thick)				
24.7.1	Made out of 170 mm wide anodised aluminium sheet 2.5 mm thick.	189.65	Rupees One Hundred Eighty Nine and Paise Sixty Five Only	1	Kg
24.7.2	Made out of 210 mm wide anodised aluminium sheet 2.5 mm thick.	183.20	Rupees One Hundred Eighty Three and Paise Twenty Only	1	Kg
WATER PROOFING					
25.1	Providing and laying integral cement based treatment for water proofing on horizontal surface at all levels as directed by Engineer-in-Charge and consisting of : Ist layer of 20mm thick approved and specified rough stone slab over a 25mm thick base of cement mortar 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound 'Impermo' of Snowcem or equivalent conforming to IS:2645 in the recommended proportion. Joints sealed and grouted with cement slurry mixed with water proofing compound . 2nd layer of 25mm thick cement mortar 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportions. Finishing top with stone aggregate of 10mm to 12mm nominal size spreading @ 8 cudm/sqm thoroughly embedded in the 2nd layer.				
25.1.1	Using rough kota stone.	448.15	Rupees Four Hundred Forty Eight and Paise Fifteen Only	1	sqm

25.1.2	Using rough red sand stone .	409.00	Rupees Four Hundred Nine and Paise Zero Only	1	sqm
25.2	Providing and laying integral cement based treatment for water proofing on the vertical surface by fixing specified stone slab 20mm thick with cement slurry mixed with water proofing compound 'Impermo' of Snowcem or equivalent conforming to IS:2645 in recommended proportions with a gap of 20mm (minimum) between stone slabs and the receiving surfaces and filling the gaps with neat cement slurry mixed with water proofing compound and finishing the exterior of stone slab with cement mortar 1:4 (1 cement:4 coarse sand) 20mm thick with neat cement punning mixed with water proofing compound in recommended proportion complete at all levels and as directed by Engineer-in-charge.				
25.2.1	Using rough kota stone	532.55	Rupees Five Hundred Thirty Two and Paise Fifty Five Only	1	sqm
25.2.2	Using rough red sand stone.	493.35	Rupees Four Hundred Ninety Three and Paise Thirty Five Only	1	sqm
25.3	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of : Ist course of applying cement slurry @ 4.4 Kg/sqm mixed with water proofing compound 'Impermo' of Snowcem or equivalent conforming to IS 2645 in recommended proportions. IInd course of 20mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion. IIIrd course of applying blown or residual bitumen aplied hot at 1.7 Kg. per sqm of area. IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 Kg/sqm.)	166.55	Rupees One Hundred Sixty Six and Paise Fifty Five Only	1	sqm
25.4	Providing and Placing in position suitable PVC water stops conforming to IS:12200 of Deep-Jyoti or equivalent for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete				

25.4.1	Serrated with central bulb (225mm wide, 8-11mm thick)	368.90	Rupees Three Hundred Sixty Eight and Paise Ninety Only	1	metre
25.4.2	Dumb bell with central bulb (180mm wide, 8mm thick)	280.00	Rupees Two Hundred Eighty and Paise Zero Only	1	metre
25.4.3	Kickers (320mm wide, 5mm thick)	352.20	Rupees Three Hundred Fifty Two and Paise Twenty Only	1	metre
25.5	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with Armourcrete of M/s The Structural Water Proofing Company Pvt. Ltd. or Tapecrete of M/s CICO Engg. Service consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with Armourcrete or Tapecrete @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with Armourcrete or Tapecrete @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. / The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry. Note: Rendering/plastering as protective layer, if required will be paid separately	113.00	Rupees One Hundred Thirteen and Paise Zero Only	1	sqm

25.6	<p>Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with Armourcrete of M/s The Structural Water Proofing Company Pvt. Ltd., or Tapecrete of M/s CICO Engg. Services consisting of applying : (a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with Armourcrete or Tapecrete @ 0.253 kg/sqm. (b) laying second layer of Fibre glass cloth manufactured by M/s The Structural Water Proofing Company Pvt. Ltd. when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. (c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with Armourcrete or Tapecrete @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30cm on parapet wall and tucked into groove in parapet all around. (d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately) For the purpose of measurement the entire treated surface will be measured</p>	196.90	Rupees One Hundred Ninety Six and Paise Ninety Only	1	sqm
25.8	<p>Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm. of cement admixed with proprietary water proofing compound conforming to IS. 2645 over the RCC slab including cleaning the surface before treatment. (b) Laying cement concrete using broken bricks/brick bats 25 mm to 100mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with proprietary water proofing compound conforming to IS : 2645 over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with proprietary water proofing compound conforming to IS : 2645 to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry admixed with proprietary water proofing compound conforming to IS : 2645. (d) Finishing the surface</p>				
25.8.1	<p>With average thickness of 120mm and minimum thickness at khurra as 65 mm.</p>	282.80	Rupees Two Hundred Eighty Two and Paise Eighty Only	1	sqm

25.9	Providing and laying four courses water proofing treatment with bitumen felt over roofs consisting of first and third courses of blown bitumen 85/25 or 90/15 conforming to IS : 702 applied hot @ 1.45 Kg per square metre of area for each course, second course of roofing felt type 3 grade I (hessian based self finished bitumen felt) manufactured by Bengal Bitumen, STP Ltd, Arcus Ltd etc., and fourth and final course of stone grit 6mm and down size or pea-sized gravel spread at 6 cubic diametre per square metre including preparation of surface but excluding grading complete with				
25.9.1	Bitumen felt (hessian base)type 3 grade I conforming to IS : 1322	112.50	Rupees One Hundred Twelve and Paise Fifty Only	1	sqm
25.10	Providing and laying six courses water proofing treatment with bitumen felt over roofs consisting of first, third and fifth course of blown bitumen 85/25 or 90/15 conforming to IS : 702 applied hot @ 1.45,1.20 and 1.45 Kg per square metre of area respectively, second and fourth courses of roofing felt type 3 grade I conforming to IS : 1322 (Hessian based self finished bitumen felt) conforming to IS : 1322 manufactured by Bengal Bitumen, STP Ltd, Arcus Ltd, etc., and sixth and final course of stone grit 6 mm and down size or pea sized gravel spread at 6 cubic dm per sqm including preparation of surface but excluding grading, complete.	181.80	Rupees One Hundred Eighty One and Paise Eighty Only	1	sqm
25.11	Providing and laying six courses water proofing treatment with bitumen felt over roofs consisting of first, third and fifth courses of blown or / and residual bitumen appied hot at 1.45, 1.20 and 1.70 kg per square metre of area respectivey, second and fourth courses of roofing felt type 2 grade I (fibre base self finished bitumen felt) six and final courses of stone grit 6mm and down size or pea sized gravel spread at 6cu.dm per sqm including preparation of surface, excluding grading, compete	206.90	Rupees Two Hundred Six and Paise Ninety Only	1	sqm

25.12	Providing and laying six courses water proofing treatment with bitumen felt over roofs consisting of first, third and fifth courses of blow or/ and residual bitumen applied hot at 1.45, 1.20 and 1.70 kg per square metre of area respectively, second and fourth courses of roofing felt type 2 grade II (glass fibre base self finished bitumen felt) and sixth and final course of stone grit 6mm and down size or pea sized gravel spread at 6 cubic dm per sqm including preparation of surface but excluding grading, complete.	207.00	Rupees Two Hundred Seven and Paise Zero Only	1	sqm
25.13	Supplying and applying bitumenous solution primer on roof and or wall surface at 0.24 litre per sqm	10.25	Rupees Ten and Paise Twenty Five Only	1	sqm
25.14	Deduct for omitting in water proof-ing treatment final course of spreading stone grit 6mm down size or pea sized gravel :				
25.14.1	at 6 cubic dm per sqm	5.55	Rupees Five and Paise Fifty Five Only	1	sqm
25.14.2	at 8 cubic dm per sqm	7.10	Rupees Seven and Paise Ten Only	1	sqm
25.15	Grading roof for water proofing treatment with				
25.15.1	Lime concrete with 20mm nominal size brick aggregate and 50% lime mortar 1:2 (1 lime putty : 2 surkhi)	1676.55	Rupees One Thousand Six Hundred Seventy Six and Paise Fifty Five Only	1	cum
25.15.2	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggre-gate 20 mm nominal size)	1878.80	Rupees One Thousand Eight Hundred Seventy Eight and Paise Eighty Only	1	cum
25.15.3	Cement mortar 1:3 (1 cement : 3 coarse sand)	2981.90	Rupees Two Thousand Nine Hundred Eighty One and Paise Ninety Only	1	cum
25.15.4	Cement mortar 1:4 (1cement : 4 coarse sand)	2605.70	Rupees Two Thousand Six Hundred Five and Paise Seventy Only	1	cum

25.16	<p>Providing and laying in situ seven course water proofing treatment with APP (Atactic PolyPropylene) modified Polymeric memberane manufactured by Bengal Bitumen, Integrated Waterproofing Ltd or General Membranes over roof consisting of first coat of bitumen primer @ 0.40Kg per sqm, 2nd, 4th & 6th courses of bonding material @ 1.20 Kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd and 5th layers of roofing membrane APP modified Polymeric membrane 1.5mm thick of 2.25 Kg/sqm weight consisting of five layers prefabricated with centre core as 20micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20micron HMHDPE film. 7th, the top most layer shall be finished with brick tiles of class designation 100 grouted with cement mortar 1:3 (1cement:3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat which shall be paid for separately as per DSR Item No. 12.33</p>	176.35	Rupees One Hundred Seventy Six and Paise Thirty Five Only	1	sqm
25.17	<p>Providing and laying in situ five course water proofing treatment with APP (Atactic PolyPropylene) modified Polymeric memberane manufactured by Bengal Bitumen, Integrated Ltd or General Membranes over roof consisting of first coat of bitumen primer @ 0.40Kg per sqm, 2nd & 4th courses of bonding material @ 1.20 Kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd layer of roofing membrane APP modified Polymeric membrane 2.0mm thick of 3.00 Kg/sqm weight consisting of five layers prefabricated with centre core as 100micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20micron HMHDPE film. 5th, the top most layer shall be finished with brick tiles of class designation 100 grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat which shall be paid for separately</p>	166.65	Rupees One Hundred Sixty Six and Paise Sixty Five Only	1	sqm

25.18	<p>Providing and laying in situ seven course water proofing treatment with APP (Atactic PolyPropylene) modified Polymeric memberane manufactured by Bengal Bitumen, Integrated Ltd or General Membranes over roof consisting of first coat of bitumen primer @ 0.40Kg per sqm, 2nd, 4th & 6th courses of bonding material @ 1.20 Kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd and 5th layers of roofing membrane APP modified Polymeric membrane 2.0mm thick of 3.00 Kg/sqm weight consisting of five layers prefabricated with centre core as 100micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20micron HMHDPE film. 7th, the top most layer shall be finished with brick tiles of class designation 100 grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat which shall be paid for separately as per DSR Item No. 12.33</p>	292.45	Rupees Two Hundred Ninety Two and Paise Forty Five Only	1	sqm
25.19	<p>Providing and fixing APP (Atactic Polypropylene Polymer) modified prefabricated five layer 2mm thick water proofing membrance, black finished reinforced with glass fibre matt manufactured by Bitumat Co. Ltd., Soprema, or Tamko consisting of a coat of bitumen primer for bitumen membrane @ 0.40 ltr/sq. mt. by the same membrance manufacture of density at 25°C, 0.87 - 0.89 kg/ ltr and viscocity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using Butane torch and sealing all joints etc., and preparing the surface complete. The vital physcial and chemcial parameters of the membrane shall be as under :Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/ 5cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacture of membrane.</p>				
25.19.1	2mm (for corrugated roof sheets)	198.75	Rupees One Hundred Ninety Eight and Paise Seventy Five Only	1	sqm

25.20	<p>Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3mm thick water proofing membrane, black finished reinforced with glass fibre matt manufactured by Bitumat Co. Ltd., Soprema, General Membranes or Tamko consisting of a coat of bitumen primer for bitumen membrane @ 0.40 ltr/sq.mt. by the same membrane manufactured of density at 25°C, 0.87 - 0.89 kg/ltr and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : -Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane.</p>				
25.20.1	3mm thick	241.55	Rupees Two Hundred Forty One and Paise Fifty Five Only	1	sqm
25.21	<p>Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane, black finished reinforced with non-woven polyester matt manufactured by Bitumat Co. Ltd., Soprema, General Membranes or Tamko consisting of a coat of bitumen primer for bitumen membrane @ 0.40 ltr/sq.mt. by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : -Joint strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane.</p>				

25.21.1	3mm thick	283.10	Rupees Two Hundred Eighty Three and Paise Ten Only	1	sqm
25.22	Extra for covering top of membrane with Geotextile, 120gsm non woven, 100% polyester of thickness 1 to 1.25mm bonded to the membrane with intermittent touch by heating the membrane by Butane Torch as per manufactures recommendation (for Item No. 25.19 to 25.21)	29.10	Rupees Twenty Nine and Paise Ten Only	1	sqm
25.23	Providing and laying on the sloped Roof-slab, 30 mm thick jointless, sprayed, closed cell, UNOPS Certified CFC free-Lloyd Foam or equivalent spray Rigid Polyurethane foam conforming to IS : 13205 (density of foam being 40-45 kg/cum.) over a coat of polyurethane primer applied @5-6sqm/lit.and polyurethane based elastomeric isothane EMA waterproofing system minimum@0.50kg/sqm each coat, in 2 coats over Polyurethane foam insulations.	702.65	Rupees Seven Hundred Two and Paise Sixty Five Only	1	sqm