



**Roads & Buildings Department
Government of Gujarat**

**SCHEDULE OF RATES FOR
BUILDINGS, ROADS & BRIDGES
WORKS
OF
AHMEDABAD DISTRICT
FOR THE YEAR : 2021-22**

**OFFICE OF THE EXECUTIVE ENGINEER
ROADS & BUILDINGS DIVISION
AHMEDABAD**

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STATEMENT NO.1
QUARRY BASE MATERIALS RATE FOR S.O.R 2021-22 (IN RS.)

Sr no.	Description	Unit	Rate As Per SOR 2021-22
1	Fine Sand	Cum.	179
2	Coarse Sand	Cum.	196
3	Hand Broken Aggregate		
	(1) 90mm to 25mm size	Cum.	173
	(2) 63mm to 40mm size	Cum.	203
4	Crushed Stone Aggregate For Hard Quality		
	(1) 40mm to 63mm size	Cum.	293
	(2) 40mm size	Cum.	319
	(3) 20mm size	Cum.	413
	(4) 10mm size	Cum.	390
	(5) 10mm to 20mm size	Cum.	330
	(6) 6mm to 10mm size	Cum.	274
5	Brick Aggregate		
	(1) 40mm size	Cum.	153
	(2) 20mm size	Cum.	153
6	Brick		
	(1) Conventional size	1000 Nos	3570
	(2) Modular size 20cm*10cm*10cm	1000 Nos	3740
7	Rubble	Cum.	148
8	Rubble heavy(weight not less than 40 kg)	Cum.	156
9	Quarry spalls	Cum.	84
10	White Bela Stone (size 23cm measured)	1000 Nos	2805
11	Screened Rounded Gravel		
	(1) 10mm size	Cum.	168
	(2) 20mm size	Cum.	168
12	Murum/Blinding Material	Cum.	64
13	Unscreened Gravel	Cum.	126
14	Hard Murum	Cum.	96
15	Stone Dust	Cum.	105
16	Flyash bricks conventional	1000 Nos	4250

2021-22 STATEMENT No :4 A (25 M.Ton Truck)

Carriage of material over distance exceeding 0.5 Km. Including loading,unloading and stacking (for asphalt,cement & steel)

SR. NO	LEAD IN Km.	AVG.S PEED Km./h	NO.OF TRIPS N=8/(2 L/S+3)	Km. DONE =2NL+6	Litre OF DIESEL CONSU MED Av.5 km/lit	COST OF DIESEL Rs.88PER LITRE. (Col.6 X 88)	Litre OF OIL CONSUM ED 1 lit per 140 km	COST OF OIL AT Rs.270 PER LITRE (Col 8 X 270.00)	COST OF SIX MAZDOOR (MALE) EACH Rs.332.00 PER/DAY = 6x332	HIRE CHARGE OF TRUCK Rs.3650 PER/DAY	TOTAL COST OF (7+ 9+ 10+ 11)	COST PER TRIP for 2021-22	INCREASE IN COST OVER PREVIOUS K.M		COST PER TRIP 2015- 16	% change of cost per trip w.r.t. 2015- 16
						88.00		270.00								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	0.50	15.00	2.61	8.61	1.72	151.54	0.06	16.61	1992.00	3650.00	5810.15	2227.22	0.00		2104.16	5.85
2	1.00	16.00	2.56	11.12	2.22	195.71	0.08	21.45	1992.00	3650.00	5859.16	2288.73	61.51		2158.21	6.05
3	1.50	16.50	2.51	13.54	2.71	238.30	0.10	26.11	1992.00	3650.00	5906.41	2349.14	60.41		2211.21	6.24
4	2.00	17.00	2.47	15.89	3.18	279.66	0.11	30.65	1992.00	3650.00	5952.31	2407.18	58.04		2261.96	6.42
5	2.50	17.25	2.43	18.16	3.63	319.62	0.13	35.02	1992.00	3650.00	5996.64	2466.01	58.83		2312.87	6.62
6	3.00	17.50	2.39	20.36	4.07	358.34	0.15	39.27	1992.00	3650.00	6039.61	2523.69	57.68		2363.88	6.76
7	3.50	17.75	2.36	22.50	4.50	396.00	0.16	43.39	1992.00	3650.00	6081.39	2580.31	56.62		2412.50	6.96
8	4.00	18.00	2.32	24.58	4.92	432.61	0.18	47.40	1992.00	3650.00	6122.01	2635.87	55.56		2461.70	7.08
9	4.50	18.25	2.29	26.61	5.32	468.34	0.19	51.32	1992.00	3650.00	6161.66	2690.45	54.58		2508.28	7.26
10	5.00	18.50	2.26	28.60	5.72	503.36	0.20	55.16	1992.00	3650.00	6200.52	2744.15	53.70		2555.81	7.37
11	6.00	19.00	12.67	158.00	31.60	2780.80	1.13	304.71	1992.00	3650.00	8727.51	689.01			602.00	14.45
12	7.00	20.00	11.43	166.00	33.20	2921.60	1.19	320.14	1992.00	3650.00	8883.74	777.33	88.32		677.23	14.78
13	8.00	21.00	10.50	174.00	34.80	3062.40	1.24	335.57	1992.00	3650.00	9039.97	860.95	83.62		748.01	15.10
14	9.00	22.00	9.78	182.00	36.40	3203.20	1.30	351.00	1992.00	3650.00	9196.20	940.52	79.57		814.96	15.41
15	10.00	23.00	9.20	190.00	38.00	3344.00	1.36	366.43	1992.00	3650.00	9352.43	1016.57	76.05	81.89	878.58	15.71
16	15.00	27.00	7.20	222.00	44.40	3907.20	1.59	428.14	1992.00	3650.00	9977.34	1385.74	369.17	73.83	1186.18	16.82
17	25.00	33.00	5.28	270.00	54.00	4752.00	1.93	520.71	1992.00	3650.00	10914.71	2067.18	681.44	68.14	1747.52	18.29
18	50.00	40.00	3.20	326.00	65.20	5737.60	2.33	628.71	1992.00	3650.00	12008.31	3752.60	1685.42	67.42	3133.65	19.75
19	100.00	40.00	1.60	326.00	65.20	5737.60	2.33	628.71	1992.00	3650.00	12008.31	7505.19	3752.59	75.05	6267.31	19.75
20	200.00	45.00	0.90	366.00	73.20	6441.60	2.61	705.86	1992.00	3650.00	12789.46	14210.51	6705.32	67.05	11777.41	20.66
21	400.00	50.00	0.50	406.00	81.20	7145.60	2.90	783.00	1992.00	3650.00	13570.60	27141.20	12930.69	64.65	22343.32	21.47
22	400.00	53.00	0.35	430.00	86.00	7568.00	3.07	829.29	1992.00	3650.00	14039.29	39733.84	12592.64	62.96	21726.13	
	ABOVE															

2021-22 STATEMENT No :4 B

Carrige of material over distance exceeding 0.5 Km. .Including loading,unloading and stacking (for all material other than asphalt,cement & steel)

SR. NO	LEAD IN Km.	AVG.S PEED Km./h	NO.OF TRIPS N=8/(2 L/S+0.3 3)	Km. DONE =2NL+6	Litre OF DIESEL CONSU MED Av.5 km/lit	COST OF DIESEL Rs.88PER LITRE. (Col.6 X 88)	Litre OF OIL CONSUM ED 1 lit per 140 km	COST OF OIL AT Rs.270 PER LITRE (Col 8 X 270.00)	COST OF SIX MAZDOOR (MALE) EACH Rs.332.00 PER/DAY = 6x332	HIRE CHARGE OF TRUCK Rs.3650 PER/DAY	TOTAL COST OF (7+ 9+ 10+ 11)	COST PER TRIP for 2021-22	INCREASE IN COST OVER PREVIOUS K.M		COST PER TRIP 2015- 16	% change of cost per trip w.r.t. 2015 16
						88.00	140	270.00	1992.00	3650.00						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	0.50	15.00	20.17	26.17	5.23	460.59	0.19	50.47	1992.00	3650.00	6153.06	305.09	0.00		741.33	-58.85
2	1.00	16.00	17.58	41.16	8.23	724.42	0.29	79.38	1992.00	3650.00	6445.80	366.60	61.51		795.21	-53.90
3	1.50	16.50	15.63	52.89	10.58	930.86	0.38	102.00	1992.00	3650.00	6674.86	427.04	60.44		848.27	-49.66
4	2.00	17.00	14.15	62.61	12.52	1101.94	0.45	120.75	1992.00	3650.00	6864.69	485.07	58.03		898.61	-46.02
5	2.50	17.25	12.91	70.53	14.11	1241.33	0.50	136.02	1992.00	3650.00	7019.35	543.87	58.80		950.63	-42.79
6	3.00	17.50	11.89	77.34	15.47	1361.18	0.55	149.16	1992.00	3650.00	7152.34	601.56	57.69		1000.61	-39.88
7	3.50	17.75	11.04	83.31	16.66	1466.26	0.60	160.67	1992.00	3650.00	7268.93	658.17	56.61		1049.89	-37.31
8	4.00	18.00	10.33	88.64	17.73	1560.06	0.63	170.95	1992.00	3650.00	7373.01	713.75	55.58		1098.50	-35.03
9	4.50	18.25	9.72	93.47	18.69	1645.07	0.67	180.26	1992.00	3650.00	7467.33	768.34	54.59		1145.95	-32.95
10	5.00	18.50	9.19	97.90	19.58	1723.04	0.70	188.81	1992.00	3650.00	7553.85	821.99	53.65		1193.25	-31.11
11	6.00	19.00	12.67	158.00	31.60	2780.80	1.13	304.71	1992.00	3650.00	8727.51	689.01			601.91	14.47
12	7.00	20.00	11.43	166.00	33.20	2921.60	1.19	320.14	1992.00	3650.00	8883.74	777.33	88.32		677.27	14.77
13	8.00	21.00	10.50	174.00	34.80	3062.40	1.24	335.57	1992.00	3650.00	9039.97	860.95	83.62		748.20	15.07
14	9.00	22.00	9.78	182.00	36.40	3203.20	1.30	351.00	1992.00	3650.00	9196.20	940.52	79.57		814.83	15.43
15	10.00	23.00	9.20	190.00	38.00	3344.00	1.36	366.43	1992.00	3650.00	9352.43	1016.57	76.05	81.89	878.66	15.70
16	15.00	27.00	7.20	222.00	44.40	3907.20	1.59	428.14	1992.00	3650.00	9977.34	1385.74	369.17	73.83	1186.34	16.81
17	25.00	33.00	5.28	270.00	54.00	4752.00	1.93	520.71	1992.00	3650.00	10914.71	2067.18	681.44	68.14	1747.59	18.29
18	50.00	40.00	3.20	326.00	65.20	5737.60	2.33	628.71	1992.00	3650.00	12008.31	3752.60	1685.42	67.42	3133.77	19.75
19	100.00	40.00	1.60	326.00	65.20	5737.60	2.33	628.71	1992.00	3650.00	12008.31	7505.19	3752.59	75.05	6267.54	19.75
20	200.00	45.00	0.90	366.00	73.20	6441.60	2.61	705.86	1992.00	3650.00	12789.46	14210.51	6705.32	67.05	11776.13	20.67
21	400.00	50.00	0.50	406.00	81.20	7145.60	2.90	783.00	1992.00	3650.00	13570.60	27141.20	12930.69	64.65	22343.32	21.47
22	400.00	53.00	0.35	430.00	86.00	7568.00	3.07	829.29	1992.00	3650.00	14039.29	39733.84	12592.64	62.96	24823.07	
	ABOVE															

Statement 5 Quarry Materials, Cement, Steel , Bitumin & All Other Materials with Carrying Capacity of 25.0 Mt. Truck) Year 2021-22

SR. NO	MATERIAL	CAPACITY PER TRIP	NET QTY. PAYABLE AFTER DEDUCTION OF VOID	UNIT OF RATE	RATE PER UNIT FOR SPECIAL LEAD UPTO 5 KM										RATE PER UNIT PER Km. FOR KILOMETERAGE ABOVE 5Km.LEAD FALLING IN TOTAL RANGE BETWEEN								
					0.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	ABOVE 5Km. & UP TO 10Km	ABOVE 10Km. & UP TO 15Km	ABOVE 15Km. & UP TO 25Km	ABOVE 25Km. & UP TO 50Km	ABOVE 50Km. & UP TO 100Km	ABOVE 100Km. & UP TO 200Km	ABOVE 200Km. & UP TO 400Km.		
					Km	Km	Km	Km	Km	Km	Km	Km	Km	Km	16	17	18	19	20	21	22	23	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
3.2.1.A	(A) Lime ,murrum,building rubbish,earth,manure or sludge & excavated rock and rubbish																						
	1 Lime, murrum, building rubbish	14.00	14.00	Cmt.	21.79	26.19	30.50	34.65	38.85	42.97	47.01	50.98	54.88	58.71	5.85	5.27	4.87	4.82	5.36	4.79	4.62	4.50	
	2 Earth	14.00	11.20	Cmt.	27.24	32.73	38.13	43.31	48.56	53.71	58.77	63.73	68.60	73.39	7.31	6.59	6.08	6.02	6.70	5.99	5.77	5.62	
	3 Manure or sludge	14.00	12.60	Cmt.	24.21	29.10	33.89	38.50	43.16	47.74	52.24	56.65	60.98	65.24	6.50	5.86	5.41	5.35	5.96	5.32	5.13	5.00	
	4 Excavated rock	14.00	7.00	Cmt.	43.58	52.37	61.01	69.30	77.70	85.94	94.02	101.96	109.76	117.43	11.70	10.55	9.73	9.63	10.72	9.58	9.24	8.99	
3.2.1.B	Sand, stone aggregate & soling stone brick/ cinder aggregate.																						
	1 Sand,stone aggregate	14.00	14.00	Cmt.	21.79	26.19	30.50	34.65	38.85	42.97	47.01	50.98	54.88	58.71	5.85	5.27	4.87	4.82	5.36	4.79	4.62	4.50	
	2 stone aggregate 40mm	14.00	12.60	Cmt.	24.21	29.10	33.89	38.50	43.16	47.74	52.24	56.65	60.98	65.24	6.50	5.86	5.41	5.35	5.96	5.32	5.13	5.00	
	3 soling stone	14.00	9.80	Cmt.	31.13	37.41	43.58	49.50	55.50	61.38	67.16	72.83	78.40	83.88	8.36	7.53	6.95	6.88	7.66	6.84	6.60	6.42	
	4 concrete blocks [Foam]	14.00	14.00	Cmt.	21.79	26.19	30.50	34.65	38.85	42.97	47.01	50.98	54.88	58.71	5.85	5.27	4.87	4.82	5.36	4.79	4.62	4.50	
3.2.2	Bricks																						
	1 Modular bricks	7000.00	7000.00	1000 NOS	43.58	52.37	61.01	69.30	77.70	85.94	94.02	101.96	109.76	117.43	11.70	10.55	9.73	9.63	10.72	9.58	9.24	8.99	
	2 Conventional bricks	7000.00	7000.00		43.58	52.37	61.01	69.30	77.70	85.94	94.02	101.96	109.76	117.43	11.70	10.55	9.73	9.63	10.72	9.58	9.24	8.99	
3.2.3	Tiles.																						
	1 Bricks tiles	7500.00	7500.00	1000 NOS	40.68	48.88	56.94	64.68	72.52	80.21	87.76	95.17	102.45	109.60	10.92	9.84	9.09	8.99	10.01	8.94	8.62	8.40	
	2 Roofing tiles[Flat]	7500.00	7500.00		40.68	48.88	56.94	64.68	72.52	80.21	87.76	95.17	102.45	109.60	10.92	9.84	9.09	8.99	10.01	8.94	8.62	8.40	
3.2.6	Cement	20.00	20.00	M.T	111.36	114.44	117.46	120.36	123.30	126.18	129.02	131.79	134.52	137.21	4.09	3.69	3.41	3.37	3.75	3.35	3.23	3.15	
3.2.7	steel	20.00	20.00	M.T	121.36	124.44	127.46	130.36	133.30	136.18	139.02	141.79	144.52	147.21	4.09	3.69	3.41	3.37	3.75	3.35	3.23	3.15	
	Note for item no 3.2.7[l.e steel] Add Rs 10/ M T as handling charges for the lead from 0. KM to 5.00 Km only																						
3.2.8	Timber	14.00	14.00	Cmt.	21.79	26.19	30.50	34.65	38.85	42.97	47.01	50.98	54.88	58.71	5.85	5.27	4.87	4.82	5.36	4.79	4.62	4.50	
3.2.9	Tar, bitumen etc.	20.00	20.00	M.T	111.36	114.44	117.46	120.36	123.30	126.18	129.02	131.79	134.52	137.21	4.09	3.69	3.41	3.37	3.75	3.35	3.23	3.15	
3.2.10	Stem coal	14.00	14.00	M.T	21.79	26.19	30.50	34.65	38.85	42.97	47.01	50.98	54.88	58.71	5.85	5.27	4.87	4.82	5.36	4.79	4.62	4.50	
3.2.12 A	S W pipes																						
	A] 100.00MM Dia	2000.00	1200.00	100 Meter.	25.42	30.55	35.59	40.42	45.32	50.13	54.85	59.48	64.03	68.50	6.82	6.15	5.68	5.62	6.25	5.59	5.39	5.25	
	Pipes of 60 cm length																						
3.2.12 B	B] 150.00 M M Dia	1000.00	600.00	100 Meter.	50.85	61.10	71.17	80.85	90.65	100.26	109.70	118.96	128.06	137.00	13.65	12.31	11.36	11.24	12.51	11.18	10.78	10.49	
	Pipes of 60 cm length																						

SR. NO	MATERIAL	CAPACITY PER TRIP	NET QTY. PAYABLE AFTER DEDUCTION OF VOID	UNIT OF RATE	RATE PER UNIT FOR SPECIAL LEAD UPTO 5 KM										RATE PER UNIT PER Km. FOR KILOMETERAGE ABOVE 5Km.LEAD FALLING IN TOTAL RANGE BETWEEN							
					0.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	ABOVE 5Km. & UP TO 10Km	ABOVE 10Km. & UP TO 15Km	ABOVE 15Km. & UP TO 25Km	ABOVE 25Km. & UP TO 50Km	ABOVE 50Km. & UP TO 100Km	ABOVE 100Km. & UP TO 200Km	ABOVE 200Km. & UP TO 400Km	ABOVE 400Km.
					Km	Km	Km	Km	Km	Km	Km	Km	Km	Km	16	17	18	19	20	21	22	23
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
3.12.13	RCC pipes and C I pipes																					
	A) 100.00MM Dia	1000.00	600.00	100 Meter.	50.85	61.10	71.17	80.85	90.65	100.26	109.70	118.96	128.06	137.00	13.65	12.31	11.36	11.24	12.51	11.18	10.78	10.49
	Pipes of 3.66 Meter length																					
	B) 125.00 M M Dia	800.00	500.00	100 Meter.	61.02	73.32	85.41	97.01	108.77	120.31	131.63	142.75	153.67	164.40	16.38	14.77	13.63	13.48	15.01	13.41	12.93	12.59
	Pipes of 3.66 Meter length																					
	C) 150MM Dia	600.00	400.00	100 Meter.	76.27	91.65	106.76	121.27	135.97	150.39	164.54	178.44	192.09	205.50	20.47	18.46	17.04	16.85	18.76	16.76	16.16	15.74
	Pipes of 5.50 Meter length																					
	D) 200 MM Dia	400.00	250.00	100 Meter.	122.04	146.64	170.82	194.03	217.55	240.62	263.27	285.50	307.34	328.80	32.76	29.53	27.26	26.97	30.02	26.82	25.86	25.19
	Pipes of 5.50 Meter length																					
	E) 250 MM Dia	200.00	150.00	100 Meter.	203.39	244.40	284.69	323.38	362.58	401.04	438.78	475.83	512.23	547.99	54.59	49.22	45.43	44.94	50.03	44.70	43.10	41.98
	Pipes of 5.50 Meter length																					
	F) 300 MM Dia	150.00	125.00	100 Meter.	244.07	293.28	341.63	388.06	435.10	481.25	526.54	571.00	614.67	657.59	65.51	59.07	54.52	53.93	60.04	53.64	51.72	50.37
	Pipes of 5.50 Meter length																					
	G) 350 MM Dia	100.00	80.00	100 Meter.	381.36	458.25	533.80	606.34	679.84	751.95	822.71	892.19	960.43	1027.49	102.36	92.29	85.18	84.27	93.81	83.82	80.82	78.70
	Pipes of 5.50 Meter length																					
	H) 450 & 500 M M Dia	75.00	55.00	100 Meter.	554.71	666.55	776.44	881.95	988.85	1093.75	1196.67	1297.73	1396.98	1494.53	148.89	134.24	123.90	122.58	136.46	121.91	117.55	114.48
	Pipes of 5.50 Meter length																					
	I) 600.700 & 750 mm Dia	50.00	30.00	100 Meter.	1016.97	1222.00	1423.47	1616.90	1812.90	2005.20	2193.90	2379.2	2561.1	2740.0	272.97	246.11	227.15	224.72	250.17	223.51	215.51	209.88
	Pipes of 5.50 Meter length																					
	J) 800.900.1000.1100 & 1200 mm Dia	25.00	20.00	100 Meter.	1525.45	1833.00	2135.20	2425.35	2719.35	3007.80	3290.85	3568.75	3841.7	4110.0	409.45	369.17	340.72	337.08	375.26	335.27	323.27	314.82
	Pipes of 3.66 Meter length																					

Sr no.	Code	Description	Unit	Rate
Basic Material				
1	M019	Abonite ball cock 25mm dia	Each	103
2	M020	Abonite ball cock 50mm dia	Each	138
3	M021	Acid proof paint (Chocolate or Black)	Litre	220
4	M022	Aldrop 20mm. dia Size with necessary fitting Iron Oxidised 20cms. Length	Each	45
5	M023	Aldrop 20mm. dia Size with necessary fitting Iron Oxidised 25cms. Length	Each	50
6	M024	Aldrop 20mm. dia Size with necessary fitting Iron Oxidised 30cms. Length	Each	60
7	M025	Aldrop 20mm. dia Size with necessary fitting Iron Oxidised 35cms. Length	Each	70
8	M026	Aldrop 20mm. dia Size with necessary fitting Alluminium 20cms. Length	Each	80
9	M027	Aldrop 20mm. dia Size with necessary fitting Alluminium 25cms. Length	Each	82
10	M028	Aldrop 20mm. dia Size with necessary fitting Alluminium 30cms. Length	Each	110
11	M029	Aldrop 20mm. dia Size with necessary fitting Alluminium 35cms. Length	Each	130
12	M030	Aldrop 20mm. dia Size with necessary fitting Brass 20cms. Length	Each	255
13	M031	Aldrop 20mm. dia Size with necessary fitting Brass 25cms. Length	Each	275
14	M032	Aldrop 20mm. dia Size with necessary fitting Brass 30cms. Length	Each	290
15	M033	Aldrop 20mm. dia Size with necessary fitting Brass 35cms. Length	Each	320
16	M034	Aldrop 20mm. dia Size with necessary fitting Brass CP 20cms. Length	Each	270
17	M035	Aldrop 20mm. dia Size with necessary fitting Brass CP 25cms. Length	Each	285
18	M036	Aldrop 20mm. dia Size with necessary fitting Brass CP 30cms. Length	Each	290
19	M037	Aldrop 20mm. dia Size with necessary fitting Brass CP 35cms. Length	Each	320
20	M038	Aluminum paint	Litre	200
21	M039	Aluminum Perforated jali of any size	sq.m.	185
22	M040	Aluminum Powder	kg	14
23	M041	Aluminum sheet 22 guage thick	sq.m.	225
24	M042	Angle bracket Iron 10 x 12 size (25cms x 30cms.)	Doz.	227
25	M043	Angle bracket Iron 12 x 14 size (309 cms. x 35cms)	Doz.	235
26	M044	Angle size 15 x 15 cm. (Glazed)	10 Each	110
27	M045	Anodised Alluminum Screws 20 mm	100 Each	49
28	M046	Anodised Alluminum Screws 30 mm	100 Each	73
29	M047	Anodised Alluminum Screws 40 mm	100 Each	78
30	M048	Anodised Aluminum Butt hinges 100 mm x 63 mm x 3.2 mm	10 Each	239

Sr no.	Code	Description	Unit	Rate
31	M049	Anodised Aluminum Butt hinges 50 mm x 45 mm x 3.2 mm	10 Each	123
32	M050	Anodised Aluminum Butt hinges 75 mm x 45 mm x 3.2 mm	10 Each	130
33	M051	Anodised Aluminum Butt hinges 75 mm x 63 mm x 3.2 mm	10 Each	157
34	M052	Anticorrosive bituminous paint	Litre	90
35	M053	Asbestos Rope	Rmt	9
36	M054	Asphalt CRMB 50 Bulk	MT	50948
37	M055	Asphalt CRMB 50 pack	MT	55948
38	M056	Asphalt CRMB 55 Bulk	MT	51000
39	M057	Asphalt CRMB 55 Pack	MT	56000
40	M058	Asphalt CRMB 60 Bulk	MT	51500
41	M059	Asphalt CRMB 60 Pack	MT	56500
42	M060	Asphalt Grade VG 40 pack	MT	55000
43	M061	Asphalt Grade VG 30 Bulk	MT	46892
44	M062	Asphalt Grade VG 30 Pack	MT	53230
45	M063	Asphalt Grade VG 10 Bulk	MT	45948
46	M064	Asphalt Grade VG 10 pack	MT	52286
47	M065	Asphalt Grade VG 40 Bulk	MT	48000
48	M066	Asphalt PMB SB 40 Bulk	MT	8049
49	M067	Asphalt PMB SB 40 Pack	MT	12047
50	M068	Asphalt PMB SB 70 Bulk	MT	8241
51	M069	Asphalt PMB SB 70 Pack	MT	12342
52	M070	Bajri or figure glass 3mm thick	sq.m.	190
53	M071	Bajri or figure glass 4mm thick	sq.m.	225
54	M072	Ball Catch width spring 1/2 Dia (13mm)	Each	10
55	M073	Ball Catch width spring 5/8 Dia. (16mm)	Each	8
56	M074	Ballies 125 mm dia.	Rmt	36
57	M075	Ballies 80 mm dia.	Rmt	27
58	M076	Barbed wire for fencing of galvanized steel wire	Quintal	6800
59	M077	Bat clamps 100 mm dia	Each	18
60	M078	Bat clamps 80 mm dia	Each	13
61	M079	Battens 75mm x100mm. country wood	cu.dm.	24
62	M080	Battens Indian teakwood size 12mm x 12mm	Rmt	4
63	M081	Battens Indian teakwood size 12mm x 19mm	Rmt	6.5
64	M082	Battens Indian teakwood size 12mm x 35mm	Rmt	14
65	M083	Battens Indian teakwood size 19mm x 19mm	Rmt	8.5
66	M084	Battens Indian teakwood size 19mm x 25mm	Rmt	13
67	M085	Battens 50 mm x 25 mm	Rmt	24
68	M086	Battens 50 mm x 50 mm	cu.dm.	24
69	M087	Battens 75 mm x 100 mm	Rmt	24
70	M088	Battens 75 mm x 50 mm	cu.dm.	24
71	M089	Bees Wax	kg	72
72	M090	Bevelled edge mirror 600mm x 450mm	Each	273
73	M091	Bilimoria Brick	1000 Each	3638
74	M092	Binding wire of 18 gauge thick annealed iron	kg	47
75	M093	Binding Wires	kg	47

Sr no.	Code	Description	Unit	Rate
76	M094	Bitumen Washer	100 Each	49
77	M095	Bituminous Paint	Litre	51
78	M096	Black Japan Paint.	Litre	51
79	M097	Black plastic sheet with cover with C.P. Brass Hinges and Rubber butters white Vitrious China	Each	291
80	M098	Black stone for cooking Platfrom (1.50 Sq.Mt.)	Each	553
81	M099	Blasting Powder	kg	51
82	M100	Bolt 'L' 3 to 4 size iron (7.5cms to 10 cms)	Doz.	65
83	M1000	Waterproof gypsum board 12.5 mm thick	Sqm	150
84	M1001	Perimetre channel 15 mmx 27 mm x 30 mm x 0.55 mm	Rmt	30
85	M1002	Intermediate channel of size 15 mm x 45 mm x 0.90 mm at 1220 C/C	Rmt	47.1
86	M1003	Ceiling steel section of size 80 mm x 26 mm x 0.50 mm at 457 mm C/C	Rmt	49
87	M1004	Celing angle of size 25 mm x 10 mm	Rmt	15
88	M1005	Sofit cleat of size 22 mm x 37 mm	No.	2
89	M1006	Raw / plug	No.	6
90	M1007	Nut bolts	No.	2
91	M1008	Connecting clips	No.	4.25
92	M1009	Joining paper tap	Rmt	1
93	M101	Bolts 12 mm dia. 10 cm. Long	kg	64
94	M1010	Joining compound	kg	28
95	M1011	Migratory Corrosion Admixture POLYALK CP 293	kg	242.57
96	M1012	Migratory Corrosion Admixture POLYALK CP 293	kg	242.57
97	M1013	Rock Wool	kg	52.08
98	M1014	Vapour Breather Membrane	Sqm	150
99	M1015	One-side alluminium thermal bubble insulation barrier including taxes	Sqm	100
100	M1016	12mm thick Cement Fibre Board	Sqm	538
101	M1017	Factory finished cold formed Light guage steel Sheet	kg	105.8
102	M1018	Powder coated Alluminium Section 63.50 x 38.10 x 1.95 mm @ Wt. 1.094 Kg/mt	Kg	235
103	M1019	CSS1	kg	45
104	M102	Bolts 12 mm dia. 10 cm. Long	kg	64
105	M1020	Precast light weight concrete hollow core wall	Nos.	1140
106	M1021	Adhesive	Kg.	12
107	M1022	Supply of Roller Safety Barrier in Heavy weight MS Section with 550 Gm / Sqm hot dip galvanize	Lot	4033270
108	M1023	Precast light weight concrete hollow core wall	Nos.	1260
109	M1024	Ready Mix Cement Mortar 1:3 (40 Kg)	No of Bags	140
110	M1025	Ready Mix Cement Mortar 1:4 (40 Kg)	No of Bags	125
111	M1026	Ready Mix Cement Mortar 1:6 (40 Kg)	No of Bags	115
112	M1027	Providing solar stud (incl GST 18 %)	1 No.	1180
113	M1028	Epoxy Chemical (incl GST 18 %)	1 No.	260
114	M1029	Tiles - 600 x 600 x 16 MM	piece	244

Sr no.	Code	Description	Unit	Rate
115	M103	Boundry Stone	Each	37
116	M1030	Main Runner 15 mm T-32 Web height 3000 mm length	piece	162
117	M1031	Cross Tee 15 mm T-32 Web Height 1200 mm Length	piece	66
118	M1032	Cross Tee 15 mm T-32 Web Height 600 mm Length	piece	33
119	M1033	Angle Moulding 24mm	piece	140
120	M1034	Tiles - 600 x 600 x 20 MM	piece	306
121	M1035	Tiles - 600 x 600 x 15 MM	piece	266
122	M1036	Tiles - 600 x 600 x 0.5 mm GI Metal	piece	268
123	M1037	Main Runner 24 mm T-38 Web height 3000 mm length	piece	138
124	M1038	Cross Tee 24 mm T-25 Web Height 1200 mm Length	piece	56
125	M1039	Cross Tee 24 mm T-25 Web Height 600 mm Length	piece	28
126	M104	Brass Screw Down bib type. 15mm dia.	Each	164
127	M1040	Tiles - 600 x 600 x 0.5 mm GI Metal with 20% perforation area with 1.8 mm dia holes and having NRC (Noise Reduction Coe cient) of 0.5	piece	465
128	M1041	Supply of Galvalume Steel Coll with AZ 150 and 550 Mpa for cold formed steel fabrication including taxes	Kg.	75
129	M1042	Production cost of light gauge steel members	Kg.	25
130	M1043	Supply and fixing of galvanized screws for bolting of the structural and non structural LGS members as per specification and anchor hilti bolts for fixing LGS frame to plinth	Kg.	20
131	M1044	Supply of galvanized iron profile deck sheet 0.80 mm - 1.00 mm thick	Sq.Mt	750
132	M1045	Providing self drilling screws with EPDM washer for fixing the deck sheet	Sq.Mt	30
133	M1046	Transport of deck sheet from manufacturing facility to work site including loading / unloading	Sq.Mt	30
134	M1047	2mm Aluminium / 4mmACP sheeting fixed with Type-11 Class-C High Intensity Grade Sheeting as per IRC 67 : 2012 reflective sheeting of size including lettering and signs as applicable	Sq.Mtr	6882
135	M1048	2mm Aluminium / 4mmACP sheeting fixed with Type-4 Class-B High Intensity Grade Sheeting as per IRC 67 : 2012 reflective sheeting of size including lettering and signs as applicable	Sq.Mtr	4667
136	M1049	Plastirib - Thermoplastic Road Marking White 2 mm thick base : 5 Kg per smt	cum	118.67
137	M105	Brass Screw Down bib type. 20mm dia	Each	206
138	M1050	Drop on glass beads: 250 gm per Smt x 100 Smt	KG	73
139	M1051	Plastirib - Thermoplastic Road Marking White 2 mm thick base : 5 Kg per smt	KG	95
140	M1052	AFP (Aluminum Backed Flexible Prismaticn Sheeting	Smt	5080
141	M1053	Cat Eye / Road Stud	No.	211.2
142	M1054	Epoxy Adhesive for fixing Cat Eye	No	920.4
143	M1055	Median Marker	No.	199.68
144	M1059	HYSD bar	Quintal	6030
145	M106	Brass screw down stop cock 15 mm dia	Each	206

Sr no.	Code	Description	Unit	Rate
146	M1060	R.C.C Heavy Duty Non-Pressure pipe I.S.Class NP=2 750mm dia.	Meter	206
147	M107	Brass screw down stop cock 20 mm dia	Each	224
148	M108	Brass screw down stop cock 25 mm dia	Each	221
149	M109	Brick bats chhara	cu.m.	153
150	M110	Brick aggregate 40mm size	cu.m.	153
151	M111	C.I. Cap Gril As per Std. Design	Each	52
152	M112	C.I. Cover with frame 300mm x 300mm	Each	468
153	M113	C.I. Cover with frame 455mm x 610mm	Each	959
154	M114	C.I. Cover with frame 500mm x 700mm	Each	1333
155	M115	C.I. Cover with frame 600mm x 850mm	Each	4301
156	M116	C.I. Cover with frame for manholes	Quintal	6639
157	M117	C.I. Cover without frame 300mm x 300mm	Each	550
158	M118	C.I. Cover without frame 455mm x 610mm	Each	1128
159	M119	C.I. Cover without frame 500mm x 700mm	Each	1568
160	M120	C.I. Cover without frame 600mm x 850mm	Each	5060
161	M121	C.I. Cover without frame for manholes	Quintal	7810
162	M122	C.I. Cowel 100 mm dia	Each	402
163	M123	C.I. Cowel 75mm dia	Each	290
164	M124	C.I. Flushing cistem with fittings 12.5 Litre High level	Each	748
165	M125	C.I. Greeting 100 mm x 100 mm	Each	68
166	M126	C.I. Nahni trap	Each	159
167	M127	C.I. or M.S Brackets	Each	52
168	M128	C.I. ring painted with coal tar	Each	110
169	M129	C.I. steps 50cm x 15cm. 2.25cm.	Each	131
170	M130	C.P. Brash Screws & Washers 25 mm size	Each	17
171	M131	C.P. Brass 1/2 turn flush cock 20 mm dia	Each	255
172	M132	C.P. Brass 1/2 turn flush cock 25 mm dia	Each	264
173	M133	C.P. Brass 1/2 turn flush cock 32 mm dia	Each	276
174	M134	C.P. Brass shower rose 100mm dia.	Each	281
175	M135	C.P. Brass toilet paper holder of stand and size	Each	258
176	M136	C.R.C Sheet	Quintal	5270
177	M137	Cast iron grating 100mm dia.	Each	37
178	M138	Cast iron grating 150mm dia.	Each	52
179	M139	Cast Iron Spigot and Socket soil pipe 100mm	Each	1380
180	M140	Cast Iron Spigot and Socket soil pipe 75mm	Each	1146
181	M141	Cast Steel Rocker Bairing	MT	58905
182	M142	Cast Steel Rocker Rocker Bairing	MT	58905
183	M143	Cement	MT	6460
184	M144	Cement Bags (Empty)	Each	2.81
185	M145	Ceramic Tiles	sq.m.	250
186	M146	Chain link 2 10 x 10 gauge (Galvanised)	sq.m.	300
187	M147	Chain link 2.5 10x10 gauge chain link Plastic	sq.m.	300
188	M148	Chapras for cupboard Brass Size 4 to 6	Doz.	335
189	M149	Chapras for cupboard Brass Size less than 4	Doz.	310
190	M150	Chapras for cupboard Iron Size 3x6 (7.5cms x 15cms)	Doz.	82
191	M151	Chapras for cupboard Iron Size less than 3 (9.5 cms.)	Doz.	62
192	M152	Chicken wire mesh 16 x24	sq.m.	215
193	M153	Chromium Plated brass Bib tap. 15mm dia.	Each	187

Sr no.	Code	Description	Unit	Rate
194	M154	Chromium Plated brass Bib tap. 20mm dia.	Each	215
195	M155	Chromium plated bottle trap	Each	281
196	M156	Clamps in two semi-circular halves of M.S. Flat 40 mm x 3 mm	kg	60
197	M157	Coal Tar	Litre	28
198	M158	Coarse sand	cu.m.	196
199	M159	Coil type spring	Each	196
200	M160	Coir string	kg	39
201	M161	Cold Twisted Bars	Quintal	4785
202	M162	Commercial Plywood Sheet 12 mm	sq.m.	361
203	M163	Commercial Plywood Sheet 19 mm	sq.m.	451
204	M164	Commercial Plywood Sheet 25 mm	sq.m.	502
205	M165	Commercial Plywood Sheet 6 mm	sq.m.	183
206	M166	Common Burnt clay Bricks Conventional size	1000 Each	3570
207	M167	Common Burnt clay Bricks Modular size 20x10x10 cm	1000 Each	3740
208	M168	Contry wood Malayasian mersova (imported)	cu.dm.	30
209	M169	Coolex glass (Heat resistant)	sq.m.	275
210	M170	Copper metal ball cock 25mm dia	Each	133
211	M171	Copper metal ball cock 50mm dia	Each	190
212	M172	Corrugated A.C. Sheet 6 mm thick	sq.m.	0
213	M173	Corrugated A.C. Sheet 7 mm thick	sq.m.	0
214	M174	Country Wood	cu.dm.	26
215	M175	Crimp Jali 12 gauge	sq.m.	315
216	M176	Crushed stone aggregate for Hard Quality 10 to 20mm size	cu.m.	330
217	M177	Crushed stone aggregate for Hard Quality 10mm size	cu.m.	390
218	M178	Crushed stone aggregate for Hard Quality 20mm size	cu.m.	413
219	M179	Crushed stone aggregate for Hard Quality 40mm size	cu.m.	319
220	M180	Crushed stone aggregate for Hard Quality 40mm to 63mm size	cu.m.	293
221	M181	Crushed stone aggregate for Hard Quality 6 to 10mm size	cu.m.	274
222	M182	Crushed stone aggregate for Hard Quality 6mm size	cu.m.	0
223	M183	Dark shade pigment	kg	76
224	M184	Datta nylon for furniture size 1 to 1 1/4 (2.5 cms to 3.0 cms)	Each	8
225	M185	Datta rubber for door size upto 1 (2.5cms)	Each	15
226	M186	Decorative ply wood 4 mm thick	sq.m.	298
227	M187	Devdar wood battens and Planks	cu.dm.	24
228	M188	Diesel	Litre	88
229	M189	Distemper Primer	Litre	68
230	M190	Door closers (Heavy type of 765 number) Hardwire or Everite Prabhat or Equivalent.	Each	550
231	M191	Door closers arrow type with spring 12 length as approved sample (30 cms)	Each	560
232	M192	Door shutters Decorative type 25mm. thick Both sides teak finished	sq.m.	1300

Sr no.	Code	Description	Unit	Rate
233	M193	Door shutters Decorative type 35mm. thick Both sides teak finished	sq.m.	1270
234	M194	Dry Distemper	kg	43
235	M195	Emulsion with aldring heptachlor or chlordane	Litre	149
236	M196	Emulsion with Dieldrin	Litre	149
237	M197	Enamel Paint	Litre	179
238	M198	Enamel Primer	Litre	115
239	M199	Expanded metal jali 12 x 12 gauge	sq.m.	190
240	M200	Extra cost of R.S. having width 3.5Mt. & above	sq.m.	274
241	M201	Fevicol S.R. 998	kg	180
242	M202	Fibre Base Bitumen Saturated under Layer Type-L	sq.m.	89
243	M203	Fibre Base Self finished Felt Type-II. Grade	sq.m.	103
244	M204	Fibre Insulation Board 12 mm thick	sq.m.	188
245	M205	Fibre Insulation Board 18 mm thick	sq.m.	272
246	M206	Fibre Insulation Board 25 mm thick	sq.m.	349
247	M207	Fifth K.M. Pre Cast R.C.C. Stone as per I.R.C.Type Design.	Each	1071
248	M208	Fifth K.M. Stone as per I.R.C.Type Design.	Each	670
249	M209	Fine sand	cu.m.	179
250	M210	Flat back wash basin Colour glazed 450 x 300 size	Each	550
251	M211	Flat back wash basin Colour glazed 550 x 400 size	Each	523
252	M212	Flat back wash basin Colour glazed 630 x 510 size	Each	1365
253	M213	Flat back wash basin White vitrious china 450mm x 300mm size	Each	475
254	M214	Flat back wash basin White vitrious china 550mm x 400mm	Each	650
255	M215	Flat back wash basin White vitrious china 630 x 510 size	Each	1310
256	M216	Flushing cistern P.V.C. with fittings 12.5 Litre high level	Each	800
257	M217	Flushing cistern White vitrious with C.P. Brass handle etc. 12.5 Litre Low level	Each	1590
258	M218	Fly Ash Brick	1000 Each	4250
259	M219	Fuel Steam Coal	Quintal	170
260	M220	Fuse	Each	111
261	M221	G.I Sheet 0.8 mm thick Corrugated class-3	Quintal	5376
262	M222	G.I Sheet 0.8 mm thick Plain class-3	Quintal	5230
263	M223	G.I Sheet 0.8 mm thick Semi-Circular class-3	Quintal	5230
264	M224	G.I. Barbed Wire	Quintal	6800
265	M225	G.I. Pipe 30 cm long 50 mm dia	Each	102
266	M226	G.I. J or L Hooks	10 Each	88
267	M227	G.I. Plain Washer	100 Each	88
268	M228	G.I.Seam Bolts and Nuts 25 mm x 6 mm	10 Each	117
269	M229	G.S.W. fitting Bends. 100mm dia.	Each	50
270	M230	G.S.W. fitting Bends. 150mm dia	Each	60
271	M231	G.S.W. Half round channel 150mm dia. 60 Cm long	Each	46
272	M232	G.S.W. Junction 100 mm dia	Each	64
273	M233	G.S.W. Junction 150 mm dia	Each	118

Sr no.	Code	Description	Unit	Rate
274	M234	Galvanised Mild steel tube Lower Grade 150mm dia	Rmt	950
275	M235	Galvanised Mild steel tube Medium Grade 15mm dia	Rmt	94
276	M236	Galvanised Mild steel tube Medium Grade 20mm dia	Rmt	122
277	M237	Galvanised Mild steel tube Medium Grade 25mm dia	Rmt	173
278	M238	Galvanised Mild steel tube Medium Grade 32mm dia	Rmt	219
279	M239	Galvanised Mild steel tube Medium Grade 40mm dia	Rmt	267
280	M240	Galvanised Mild steel tube Medium Grade 50mm dia	Rmt	349
281	M241	Galvanised Mild steel tube Medium Grade 65mm dia	Rmt	437
282	M242	Galvanised Mild steel tube Medium Grade 80mm dia	Rmt	564
283	M243	Gauge Plate	Quintal	4675
284	M244	Geru in crystal (Sona)	kg	1.8
285	M245	GIMS Nuts 5 mm thick 80 mm dia	Each	64
286	M246	GIMS T 65 mm x 65 mm	Each	269
287	M247	Glass 2 mm to 3 mm thick	sq.m.	125
288	M248	Glass Shelf with C.P. Guard Rail and Brackets 600mm x 120mm	Each	231
289	M249	Glass strips 4 mm thick 40mm depth	Rmt	13
290	M250	Glass strips 6mm thick 40mm depth	Rmt	17
291	M251	Glasses 2 mm to 3 mm thick	sq.m.	145
292	M252	Glasses 3 mm thick	sq.m.	230
293	M253	Granite Slab (18 mm thick) 1 side Polished	sq.m.	1590
294	M254	Grinding Polishing Rounding or edges of Glass or Glazing Sheet	Rmt	21
295	M255	Grindina Polishing rounding or edges of glass or glazing sheet (B) Rubbings & Polishing of tiles or stone flooring	sq.m.	43
296	M256	Ground glass (Frosted or obscurd on one side) 3 mm thick	sq.m.	200
297	M257	Ground glass (Frosted or obscurd on one side) 4 mm thick	sq.m.	230
298	M258	Ground glass (Frosted or obscurd on one side) 5 mm thick	sq.m.	290
299	M259	Guard Stone	Each	37
300	M260	Gum	kg	25
301	M261	Gun metal screw down bib tap-15 mm dia	Each	159
302	M262	Gun metal screw down bib tap-20 mm dia	Each	178
303	M263	Gun metal wheel valve 15mm dia	Each	187
304	M264	Gun metal wheel valve 20mm dia	Each	204
305	M265	Gun Metal Wheel Valve 25mm dia.	Each	421
306	M266	Gun metal wheel valve 32mm dia	Each	315
307	M267	Gun Metal Wheel Valve 40mm dia.	Each	664
308	M268	Hacksaw blade double thread	Doz.	60
309	M269	Hactometer Stone as per Type design.	Each	107
310	M270	Hactometer Stone Pre Cast R.C.C. Stone as per Type design	Each	268
311	M271	Hammer Iron 1 LBS	Each	60
312	M272	Hammer Iron 2 LBS	Each	85
313	M273	Hand broken stone aggregate 25mm size to 90mm size	cu.m.	173

Sr no.	Code	Description	Unit	Rate
314	M274	Hand broken stone aggregate 40mm size to 63mm size.	cu.m.	203
315	M275	Handle for doors Windows Cupboards etc. Brass 10 cms. Length	Each	60
316	M276	Handle for doors Windows Cupboards etc. Brass 15 cms. Length	Each	70
317	M277	Handle for doors Windows Cupboards etc. C.P. Brass 10 cms. Length	Each	40
318	M278	Handle for doors Windows Cupboards etc. C.P. Brass 15 cms. Length	Each	52
319	M279	Handle for doors Windows Cupboards etc. 10 cms. Length	Each	18
320	M280	Handle for doors Windows Cupboards etc. 15 cms. Length	Each	22
321	M281	Handle for doors Windows Cupboards etc. Iron Oxidized 10 cms. Length	Each	12
322	M282	Handle for doors Windows Cupboards etc. Iron Oxidized 15 cms. Length	Each	13
323	M283	Handle for steel window (Right & Left) Alluminium	Each	35
324	M284	Handle for steel window (Right & Left) Brass	Each	51
325	M285	Handle for steel window (Right & Left) Iron oxidized	Each	59
326	M286	Handle for steel window (Right & Left) Wrinkle finish	Each	21
327	M287	Hard board sheet 4 mm thick	sq.m.	145
328	M288	Hard Drawn Steel Wire Fabric	sq.m.	245
329	M289	Hard Marrum	cu.m.	96
330	M290	Hi Tensile Steel Wire	MT	66666
331	M291	Hinges (Strap) Alluminium 10 cms. Length	Each	30
332	M292	Hinges (Strap) Alluminium 15 cms. Length	Each	45
333	M293	Hinges (Strap) Alluminium 20 cms length	Each	55
334	M294	Hinges (Strap) M.S. 10 cms. Length or equivalent	Pair	29
335	M295	Hinges (Strap) M.S. 12.5 cms. Length or equivalent	Pair	40
336	M296	Hinges butt. I.S.I Mark Brass (Railway type heavy) 7.5 cms. Length or equivalent	Pair	75
337	M297	Hinges butt. I.S.I Mark Brass (Railway type heavy) 7.5 cms. Length or equivalent	Pair	110
338	M298	Hinges butt. I.S.I Mark Steel 10 cms. Length 14 gauge	Pair	20
339	M299	Hinges butt. I.S.I Mark Steel 7.5 cms. Length 16 gauge	Pair	59
340	M300	Hinges butt. I.S.I Mark Alluminium 10 cms. Length	Pair	75
341	M301	Hinges butt. I.S.I Mark Alluminium 7.5 cms. Length	Pair	45
342	M302	Hinges butt. I.S.I Mark C.P.Brass (Railway type Hinges) 10 cms. Length	Pair	92
343	M303	Hinges butt. I.S.I Mark C.P.Brass (Railway type Hinges) 7.5 cms. Length	Pair	95
344	M304	Hinges Parilamentary Steel 10 cms. Length	Each	195
345	M305	Hinges Parilamentary Steel 12.5 cms length	Each	145
346	M306	Hinges Parilamentary Steel 7.5 cms. Length	Each	125

Sr no.	Code	Description	Unit	Rate
347	M307	Hinges Parilamentary Brass 10 cms. Length	Each	34
348	M308	Hinges Parilamentary Brass 12.5 cms length	Each	45
349	M309	Hinges Parilamentary Brass 7.5 cms. Length	Each	28
350	M310	Hinges Spring 10 cms. Length	Each	130
351	M311	Hinges Spring 7.5 cms. Length	Each	122
352	M312	Hirakani	Each	190
353	M313	Hood Cover 0.9 mm thick	Rmt	132
354	M314	Hood Cover 1.25 mm thick	Rmt	138
355	M315	Hooks and Eyes Alluminium 10 cms. Length	Each	22
356	M316	Hooks and Eyes Alluminium 15 cms. Length	Each	25
357	M317	Hooks and Eyes Alluminium 20 cms length	Each	36
358	M318	Hooks and Eyes C.P.Brass 10 cms. Length	Each	28
359	M319	Hooks and Eyes C.P.Brass 15 cms. Length	Each	39
360	M320	Hooks and Eyes C.P.Brass 20 cms length	Each	50
361	M321	Hooks and Eyes Iron oxidized 10 cms. Length	Each	8
362	M322	Hooks and Eyes Iron oxidized 15 cms. Length	Each	9
363	M323	Hooks and Eyes Iron oxidized 20 cms length	Each	10
364	M324	Indian Teak wood	cu.dm.	55
365	M325	Beading Indian Teak wood	cu.dm.	60
366	M326	Indicator Stone as per RCC Type Design	Each	268
367	M327	Indicator Stone as per Type Design	Each	99
368	M328	Integral W.P. compound (Liquid of standard quality) tested as perl.S. 2645 - 1975	Litre	85
369	M329	Inter Lock [Kadaka lock]	Each	245
370	M330	Iron bib tap 15mm. Dia	Each	32
371	M331	Iron bib tap 20mm. Dia	Each	42
372	M332	Iron Hinges 100 mm x 58 mm x 1.4 mm	10 Each	117
373	M333	Iron Hinges 100 mm x 58 mm x 1.9 mm	10 Each	122
374	M334	Iron Hinges 50 mm x 37 mm x 1.5 mm	10 Each	93
375	M335	Iron Hinges 75 mm x 47 mm x 1.7 mm	10 Each	103
376	M336	Iron Screws. 20 mm	100 Each	78
377	M337	Iron Screws. 30 mm	100 Each	103
378	M338	Iron Screws. 40 mm	100 Each	122
379	M339	Junction Equal double 100 mm dia	Each	33
380	M340	Junction Equal double 80 mm dia	Each	30
381	M341	Junction Equal Single 100 mm dia	Each	35
382	M342	Junction Equal Single 80 mm dia	Each	28
383	M343	Junction Board R.C.C.	Each	637
384	M344	Jute string	kg	59
385	M345	Kada (Indian) with English ball bearing.	Pair	249
386	M346	Kerosene	Litre	80
387	M347	Koda Iron	Each	135
388	M348	Latch (Tadi) as per sample approved sectional flats (Heavy) Alluminium 25 cms length & 16mm dia	Each	54
389	M349	Latch (Tadi) as per sample approved sectional flats (Heavy) Alluminium 30 cms length & 16mm dia	Each	68
390	M350	Latch (Tadi) as per sample approved sectional flats (Heavy) Alluminium 35 cms length & 16mm dia	Each	71

Sr no.	Code	Description	Unit	Rate
391	M351	Latch (Tadi) as per sample approved sectional flats (Heavy) Brass 20 cms. Length	Each	84
392	M352	Latch (Tadi) as per sample approved sectional flats (Heavy) Brass 25 cms. Length	Each	95
393	M353	Latch (Tadi) as per sample approved sectional flats (Heavy) Brass 30 cms length	Each	115
394	M354	Latch (Tadi) as per sample approved sectional flats (Heavy) Brass 35 cms length	Each	125
395	M355	Latch (Tadi) as per sample approved sectional flats (Heavy) C.P. Brass 20 cms. Length	Each	85
396	M356	Latch (Tadi) as per sample approved sectional flats (Heavy) C.P. Brass 25 cms. Length	Each	105
397	M357	Latch (Tadi) as per sample approved sectional flats (Heavy) C.P. Brass 30 cms length	Each	110
398	M358	Latch (Tadi) as per sample approved sectional flats (Heavy) C.P. Brass 35 cms length	Each	125
399	M359	Latch (Tadi) as per sample approved sectional flats (Heavy) Iron Oxidized 25 cms length & 16mm dia	Each	25
400	M360	Latch (Tadi) as per sample approved sectional flats (Heavy) Iron Oxidized 30 cms length & 16mm dia	Each	31
401	M361	Latch (Tadi) as per sample approved sectional flats (Heavy) Iron Oxidized 35 cms length & 16mm dia	Each	35
402	M362	Latch for steel window 25 cms to 35cms. Alluminium	Each	36
403	M363	Latch for steel window 25 cms to 35cms. Brass	Each	28
404	M364	Latch for steel window 25 cms to 35cms. Iron oxidized	Each	25
405	M365	Latch for steel window 25 cms to 35cms. Wrinkle finish	Each	35
406	M366	Light shade pigment	kg	81
407	M367	Lime gotton crystal	Quintal	357
408	M368	Limpet Washer	100 Each	35
409	M369	Linseed Oil	Litre	119
410	M370	Locks Baby latch brass chromium 75mm long.	Each	315
411	M371	Locks Bath room latch Navtal (Godrej)	Each	320
412	M372	Locks Godrej cupboard 3 (7.5 cms)	Each	120
413	M373	Locks Godrej Mortice lock cover	Each	385
414	M374	Locks Godrej Night latch	Each	150
415	M375	Locks Locker brass Navtal (Godrej) 75mm dia 7 lever with and set keys.	Each	250
416	M376	M.I. fisher Union 32 mm dia	Each	75
417	M377	M.I. fisher Union 40 mm dia	Each	84
418	M378	M.S. Fixed Plate Bearing	MT	51425
419	M379	M.S. Plate / Flat	Quintal	4284
420	M380	M.S. Road Sign Board / Village Name Board Non-Reflective Type	Each	1576
421	M381	M.S. Road Sign Board / Village Name Board Reflective Type	Each	2777
422	M382	M.S. Rocker Bearing	MT	51425
423	M383	M.S. Roller Bearing	MT	51425

Sr no.	Code	Description	Unit	Rate
424	M384	M.S. Sheet 1 mm thick	Quintal	4930
425	M385	M.S. village Name Board or Junction Board	Each	3156
426	M386	Manglore Tiles	1000 Each	3060
427	M387	Marble number Plate	Each char.	183
428	M388	Marble chips upto 4 mm size.	Quintal	870
429	M389	Marble Powder	cu.m.	1562
430	M390	Marble Slab 18 to 20 mm	sq.m.	701
431	M391	Marble Slab stone 25mm thick double polished	sq.m.	800
432	M392	Marble Slab Extra for mirror finishing on marble slab flooring	sq.m.	199
433	M393	Marble Slab Machine cut marble tiles 6mm thick 30cms x 15cms Mirror finish with chamfering and grove back	sq.m.	640
434	M394	Marble Slab Polished granite stone 20 to 25mm thick black	sq.m.	3000
435	M395	Marble Slab Polished granite stone 20 to 25mm thick Colour	sq.m.	4300
436	M396	Marble Slab Polished marble stone (Rajnagar or Makran 20mm. thick	sq.m.	850
437	M397	Marble Slab Polished marble stone Rajnagar Makarana 20mm size	sq.m.	850
438	M398	Marble Slab Polished marble stone Rajnagar Makarana 20mm size 180 x 60 cms.	sq.m.	1240
439	M399	Marble Slab Polished marble stone Rajnagar Makarana 20mm size 60 x 45 cms.	sq.m.	1150
440	M400	Marble Slab Polished marble stone Rajnagar Makarana 20mm size 90 x 60 cms.	sq.m.	1210
441	M401	Marble Slab White adango 180 x 60cms.	sq.m.	1050
442	M402	Marble Slab White adango 180x60 cms	sq.m.	1050
443	M403	Marble Slab White adango 20mm thick colour grey 60x60 cms.	sq.m.	950
444	M404	Marble Slab White adango 60 x 60 cm.	sq.m.	865
445	M405	Marble Slab White adango 60x45 cms.	sq.m.	830
446	M406	Marble Slab White adango 60x45cm.	sq.m.	830
447	M407	Marble Slab White adango 90x6 cm.	sq.m.	900
448	M408	Marble Slab White adango 90x60 cms.	sq.m.	1000
449	M409	Marble year Plate 20cm x 15cm. x 2.5cm	Each	183
450	M410	Marbo granite flooring tiles 8mm th.	sq.m.	380
451	M411	Medium shade pigment	kg	81
452	M412	Mild Steel Bars	Quintal	4567
453	M413	Munj for white washing	kg	30
454	M414	Murum/ binding Material	cu.m.	64
455	M415	Neo Prene Bearing (480 x 310 x 48 mm)	Cu.Cm.	1.03
456	M416	Nickel Plated bright finished M.S. Piano Hinges	Rmt	152
457	M417	Nickel plated finished M.S.Piano hinges Alluminium 19mm. width (15cm. Length)	Rmt	179

Sr no.	Code	Description	Unit	Rate
458	M418	Nickel plated finished M.S.Piano hinges Alluminium 25mm. width (15cm. Length)	Rmt	222
459	M419	Nickel plated finished M.S.Piano hinges BRASS 19mm. width 6 (15cm. Length)	Rmt	242
460	M420	Nickel plated finished M.S.Piano hinges BRASS 25mm. width 6(15cm. Length)	Rmt	246
461	M421	Nickel Plated screws 25 mm dia.	sq.m.	156
462	M422	Non Decorative type 25 mm thick Door Shutter	sq.m.	946
463	M423	Non Decorative type 35 mm thick Door Shutter	sq.m.	1250
464	M424	Non reflective solar contact film for fixing on glass.	sq.m.	475
465	M425	North Light Adjustable Ridge	Pair	95
466	M426	Off-set 50 mm - 100 mm dia	Each	25
467	M427	Off-set 50 mm - 80 mm dia	Each	21
468	M428	Off-set 75 mm - 100 mm dia	Each	26
469	M429	Off-set 75 mm - 80 mm dia	Each	21
470	M430	Oil bound distemper	kg	60
471	M431	Oil of 30 No.	Litre	183
472	M432	Omai plast for sunk Portion EP-101	kg	600
473	M433	Ordinary K.M. Stone (For NH.S.H. M.D.R)	Each	402
474	M434	Ordinary K.M. Stone Pre Cast R.C.C. Stone as per Type design (For NH.S.H.M.D.R.)	Each	714
475	M435	Ordinary K.M. Stone Pre Cast R.C.C. Stone as per Type design (ForO.D.R. & V.R.)	Each	625
476	M436	Ordinary K.M.Stone ForO.D.R. & V.R.)	Each	357
477	M437	P.V.C bib tap 15mm. Dia	Each	25
478	M438	P.V.C bib tap 20mm. Dia	Each	35
479	M439	P.V.C. flooring sheetP.V.C 2mm thick	sq.m.	440
480	M440	P.V.C. flooring sheetP.V.C. 2.5mm thick	sq.m.	580
481	M441	P.V.C. Nahni trap	Each	70
482	M442	P.V.C. Pipes 10 kgf / Sq.cm. 110 mm dia.	Rmt	323
483	M443	P.V.C. Pipes 10 kgf / Sq.cm. 50mm dia.	Rmt	105
484	M444	P.V.C. Pipes 10 kgf / Sq.cm. 75mm dia.	Rmt	189
485	M445	P.V.C. Pipes 10 kgf / Sq.cm. 20mm dia.	Rmt	26
486	M446	P.V.C. Pipes 10 kgf / Sq.cm. 25mm dia.	Rmt	37
487	M447	P.V.C. Pipes 10 kgf / Sq.cm. 32mm dia.	Rmt	47
488	M448	P.V.C. Pipes 10 kgf / Sq.cm. 40mm dia.	Rmt	70
489	M449	P.V.C. Pipes 6 kgf / Sq.cm. 110 mm dia.	Rmt	245
490	M450	P.V.C. Pipes 6 kgf / Sq.cm. 50mm dia.	Rmt	68
491	M451	P.V.C. Pipes 6 kgf / Sq.cm. 75mm dia.	Rmt	129
492	M452	P.V.C. Pipes 6 kgf / Sq.cm. 20mm dia.	Rmt	24
493	M453	P.V.C. Pipes 6 kgf / Sq.cm. 25mm dia.	Rmt	36
494	M454	P.V.C. Pipes 6 kgf / Sq.cm. 32mm dia.	Rmt	44
495	M455	P.V.C. Pipes 6 kgf / Sq.cm. 40mm dia.	Rmt	47
496	M456	Particle board sheet 12 mm thick	sq.m.	242
497	M457	Particle board sheet 19 mm thick	sq.m.	310
498	M458	Particle board sheet 25 mm thick	sq.m.	404
499	M459	Particle board sheet 35 mm thick	sq.m.	536
500	M460	Petrol	Litre	88
501	M461	Pillar tap 15mm dia	Each	309

Sr no.	Code	Description	Unit	Rate
502	M462	Pillar tap 20mm dia	Each	355
503	M463	Plain A.C. Sheet 6 mm thick	sq.m.	0
504	M464	Plain asbestos sheet 5mm thick	sq.m.	0
505	M465	Plain asbestos sheet 6mm thick	sq.m.	0
506	M466	Plain asbestos sheet 7mm thick	sq.m.	0
507	M467	Plain G.I. Sheet 1 mm thick	Quintal	5695
508	M468	Plain Glass sheet 3 mm thick	sq.m.	195
509	M469	Plain Glass sheet 4 mm thick	sq.m.	210
510	M470	Planks 30 mm thick Kail or equivalent soft wood	cu.dm.	25
511	M471	Planks 38 mm thick Kail or equivalent soft wood	cu.dm.	26
512	M472	Plastic Emulsion Paint	Litre	196
513	M473	Plate glass (Table glass) 5.5 mm with all edge polished .	sq.m.	355
514	M474	Plywood with both faces teak finished 12mm. thick	sq.m.	410
515	M475	Plywood with both faces teak finished 15mm. thick	sq.m.	490
516	M476	Plywood with both faces teak finished 18mm. thick	sq.m.	520
517	M477	Plywood with both faces teak finished 3mm. thick	sq.m.	200
518	M478	Plywood with both faces teak finished 4mm. thick	sq.m.	241
519	M479	Plywood with both faces teak finished 6mm. thick	sq.m.	215
520	M480	Plywood with both faces teak finished 8mm. thick	sq.m.	290
521	M481	Plywood designed with one side commercial and other side teak finished 12mm. thick	sq.m.	330
522	M482	Plywood designed with one side commercial and other side teak finished 15mm. thick	sq.m.	410
523	M483	Plywood designed with one side commercial and other side teak finished 18mm. thick	sq.m.	410
524	M484	Plywood designed with one side commercial and other side teak finished 6mm. thick	sq.m.	190
525	M485	Plywood designed with one side commercial and other side teak finished 8mm. thick	sq.m.	230
526	M486	Plywood sheet (both faces commercial) 3mm.	Rmt	150
527	M487	Plywood sheet (both faces commercial) 4mm.	Rmt	180
528	M488	Plywood sheet (both faces commercial) 6mm	Rmt	183
529	M489	Plywood sheet 9 mm thick (Commercial)	sq.m.	281
530	M490	Polished Kota Stone Slab Green. 25 mm thick	sq.m.	234
531	M491	Polished Kota Stone Slab Green. 30 mm thick	sq.m.	243
532	M492	Polished Kota Stone Slab Green. 40 mm thick	sq.m.	262
533	M493	Pre-cast Cement concrete tiles	sq.m.	89
534	M494	Precast RCC Jali 100 mm thick	sq.m.	206
535	M495	Precast RCC Jali 25 mm thick	sq.m.	131
536	M496	Precast RCC Jali 40 mm thick	sq.m.	150
537	M497	Precast RCC Jali 50 mm thick	sq.m.	159
538	M498	Precast RCC Jali 75 mm thick	sq.m.	187
539	M499	Pre-Moulded bituminous joint Filler 12mm size.	sq.m.	647
540	M500	Pre-Moulded bituminous joint Filler 20mm size	sq.m.	714
541	M501	Pre-Moulded bituminous joint Filler 25mm size	sq.m.	938
542	M502	Pulleys 25 mm dia.	Each	108
543	M503	Pulleys 38 mm dia.	Each	112

Sr no.	Code	Description	Unit	Rate
544	M504	Putty as per ISI specification for fixing glass on steel windows.	kg	40
545	M505	Quarry Spall.	cu.m.	84
546	M506	R.C.C Heavy Duty Non-Pressure pipe I.S. Class NP=2 150mm dia.	Rmt	120
547	M507	R.C.C Heavy Duty Non-Pressure pipe I.S. Class NP=2 250mm dia.	Rmt	175
548	M508	R.C.C Heavy Duty Non-Pressure pipe I.S. Class NP=2 300mm dia.	Rmt	450
549	M509	R.C.C Heavy Duty Non-Pressure pipe I.S. Class NP=2 1000mm dia.	Rmt	1790
550	M510	R.C.C Heavy Duty Non-Pressure pipe I.S. Class NP=2 450mm dia.	Rmt	750
551	M511	R.C.C Heavy Duty Non-Pressure pipe I.S. Class NP=2 500mm dia.	Rmt	900
552	M512	R.C.C Heavy Duty Non-Pressure pipe I.S. Class NP=2 900mm dia.	Rmt	1580
553	M513	R.C.C Heavy Duty Non-Pressure pipe I.S. Class NP=2 1100mm dia.	Rmt	2030
554	M514	R.C.C Heavy Duty Non-Pressure pipe I.S. Class NP=2 1200mm dia.	Rmt	2150
555	M515	R.C.C Heavy Duty Non-Pressure pipe I.S. Class NP=2 600mm dia.	Rmt	978
556	M516	R.C.C Heavy Duty Non-Pressure pipe I.S. Class NP=2 800mm dia.	Rmt	1450
557	M517	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=3 300mm dia.	Rmt	488
558	M518	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=3 450mm dia.	Rmt	945
559	M519	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=3 900mm dia.	Rmt	3020
560	M520	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=3 600mm dia.	Rmt	1650
561	M521	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=3 800mm dia.	Rmt	2236
562	M522	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=3 1100mm dia.	Rmt	4190
563	M523	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=3 1200mm dia.	Rmt	5010
564	M524	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=3 1400mm dia.	Rmt	6810
565	M525	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=3 1600mm dia.	Rmt	8850
566	M526	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=3 1800mm dia.	Rmt	10280
567	M527	Rajula Stone	Each	77
568	M528	Ready mixed Red Lead Paint	Litre	85
569	M529	Red Flag	Each	16
570	M530	Residual Bitumen	MT	42000

Sr no.	Code	Description	Unit	Rate
571	M531	RList Preventivet (Polymer Base)	kg	225
572	M532	RList Remover Com Primer (Polymer Base)	Litre	260
573	M533	Rolling shutter Rolling shutter having width below 3.5mt.	sq.m.	2248
574	M534	Rolling shutter Rolling shutter of G.I. sheet any size grill	sq.m.	1400
575	M535	Rolling shutters having width Above 3.5 Mt.	sq.m.	2967
576	M536	Resin (0.5kg Pkt.)	kg	95
577	M537	Rough Kotach stone Slab. 25 mm thick	sq.m.	173
578	M538	Rough Kotach stone Slab. 40 mm thick	sq.m.	234
579	M539	Rubber Plug	Each	15
580	M540	Rubble	cu.m.	148
581	M541	Rubble (Heavy) at not Less than 40 kg.	cu.m.	156
582	M542	S.W. Gulley Trap 150mm x 100 mm size.	Each	64
583	M543	S.W. guly trap 100 x 100 mm size	Each	43
584	M544	Salt natural	kg	9
585	M545	Sand paper 100Nos size	Doz.	40
586	M546	Sand paper 50 Nos. size	Doz.	36
587	M547	Sand paper 80Nos size	Doz.	36
588	M548	Screened gravel 10mm size	cu.m.	168
589	M549	Screened gravel 12mm size	cu.m.	168
590	M550	Sheet glass ordinary quality 3 mm thick	sq.m.	170
591	M551	Sheet glass ordinary quality 4 mm thick	sq.m.	180
592	M552	Sheet glass ordinary quality 5 mm thick	sq.m.	250
593	M553	Sheet glass ordinary quality 6 mm thick	sq.m.	280
594	M554	Shellac	kg	55
595	M555	Soft Brush.	Each	36
596	M556	Soft brushes 100 mm size	Each	250
597	M557	Soft brushes 20 mm size	Each	68
598	M558	Soft brushes 25 mm size	Each	76
599	M559	Soft brushes 40 mm size	Each	95
600	M560	Soft brushes 50mm size	Each	140
601	M561	Soft brushes 75 mm size	Each	190
602	M562	Spirit	Litre	51
603	M563	Spun Yarn	kg	48
604	M564	Standard shoe 100 mm dia	Each	28
605	M565	Standard shoe 80 mm dia	Each	25
606	M566	Stone dust	cu.m.	105
607	M567	Stone Slab 100mm thickness	sq.m.	310
608	M568	Stone ware pipes 100mm dia. 60cm. Long	Each	35
609	M569	Stone ware pipes 150mm dia. 60cm. Long	Each	50
610	M570	Structual steel M.S. Channel joints Tee Gusset Plate etc.	Quintal	4497
611	M571	Synthetic Enamel Paint	Litre	179
612	M572	T.Iron Bracket 40 mm x 40 mm x 6 mm	Quintal	4692
613	M573	T.M.T. Bars Fe- 415	Quintal	5220
614	M574	Taper G.S.W. Bend 100mm x 150mm	Each	73
615	M575	Terrazo tiles chequered Dark Shade 22mm thick	sq.m.	125
616	M576	Terrazo tiles chequered Light shade 22mm thick	sq.m.	115

Sr no.	Code	Description	Unit	Rate
617	M577	Terrazo tiles chequered Dark shade 28 mm thick	sq.m.	105
618	M578	Terrazo tiles chequered Light shade 28 mm thick	sq.m.	100
619	M579	Terrazo tiles Dark shade 20 mm thick	sq.m.	135
620	M580	Terrazo tiles Light shade 20 mm thick	sq.m.	130
621	M581	Terrazzo tiles grey cement base. Dark shade 20mm. thick	sq.m.	150
622	M582	Terrazzo tiles grey cement base. Light shade 20mm. thick	sq.m.	170
623	M583	Terrazzo tiles white cement base Dark shade 20mm thick	sq.m.	275
624	M584	Terrazzo tiles white cement base Light shade 20mm thick	sq.m.	225
625	M585	Thick Wire Brushes	Each	65
626	M586	Through & Bond Stone	Each	23
627	M587	Towel Rail Pair of C.P. Brass Brackets 60mm x 20mm	Each	355
628	M588	Turpentine	Litre	47
629	M589	Unscreened gravel	cu.m.	126
630	M590	Unslaked Lime	Quintal	170
631	M591	Urinal Flat Back	Each	437
632	M592	Urinal Ladies squatting pan	Each	675
633	M593	Urinal Squatting type	Each	501
634	M594	Urinal Stall type full size	Each	1800
635	M595	Urinal Stall type half size	Each	1300
636	M596	Varnish	Litre	72
637	M597	Vegetable black (Kajali) (0.5kg.Pkt.)	Pkt.	65
638	M598	Vision panel for Door	Each	34
639	M599	Vitryfied Granite tiles 8 mm to 10 m thick 24 x 24 size Dark Shade	sq.m.	350
640	M600	Vitryfied Granite tiles 8 mm to 10 m thick 36 x 36 size	sq.m.	750
641	M601	W.C. pipe 2m long 75 mm. dia	Each	0
642	M602	Waste Pipe for Wash basin C.P. 32 mm dia	Each	62
643	M603	Waste Pipe for Wash basin C.P. 40 mm dia	Each	82
644	M604	Water proofing materials Omaseal of Bitumen base in semin-liquid form (cold applied)	Litre	80
645	M605	Water proofing materials of std. make in powder form	kg	6.3
646	M606	Water proofing materials Omaseal for filling joints of C.I. Pipes .	kg	310
647	M607	Water proofing materials Omaseal for filling joints of C.I. Pipes. Epoxy base	kg	510
648	M608	Water Proofing Cement Paint	kg	34
649	M609	Water proofing material heasion base self finish tar felt roll	sq.m.	55
650	M610	Water proofing materials	kg	43
651	M611	Water proofing materials of polyarethine on Aromatic Base	kg	375
652	M612	Water proofing materials of polyarethine on Elepantic base	kg	540

Sr no.	Code	Description	Unit	Rate
653	M613	Water proofing materials silicon baseWater repellent compound	Litre	245
654	M614	Welding Charge	Rmt	600
655	M615	White Bela stone (size to be measured)	No	28.05
656	M616	White Cement	MT	35000
657	M617	White Lime (White washing)	Quintal	420
658	M618	White Paint	Litre	174
659	M619	White vitriour china Wash down W.C. (European)	Each	2000
660	M620	White vitrious china 100mm 'P' or 'S' trap	Each	87
661	M621	White vitrious china foot rest for W.C.	Pair	64
662	M622	White vitrious China Sink 600mm x 450mm x 150mm	Each	1455
663	M623	White vitrious ching W.C. sqatting pan (India type)	Each	1500
664	M624	White vitrious ching W.C. sqatting pan Anglo Indian	Each	1550
665	M625	White vitrious ching W.C. sqatting pan European type	Each	592
666	M626	White vitrious ching W.C. sqatting pan Orrisa type 580 x 400 size	Each	800
667	M627	White Zinc powder (Zinc oxide)	kg	110
668	M628	White glazed tiles 15cm x 15cm x 6cm.	10 Each	64
669	M629	Whiting chalk	kg	5.53
670	M630	Wire Gauge Jali of 0.56 mm	sq.m.	161
671	M631	Wire Gauge Jali of 0.71 mm	sq.m.	206
672	M632	Wire spring grade No. 2 for Rolling Shutter 27.5 CM long	Each	640
673	M633	Wired figured glass 6.4 mm thick	sq.m.	366
674	M634	Wooden peg	Each	1
675	M635	Yellow clay (Italian type)	kg	9
676	M636	Iron Angle 75 x 75 x 6mm	kg	60
677	M637	Iron Angle for stand & frame	kg	50
678	M638	Surfacing gray coat process (Board)	sq.m.	20
679	M639	Retro reflective process (Board) (Eng. Grade)	sq.m.	30
680	M640	Screen Printing / Art work process (Board) (Eng.)	sq.m.	40
681	M641	Packing Forwarding and Transportation (No-Leg)	L.S	500
682	M642	Retro reflective precess (Board) (Hi-Intensity)	sq.m.	310
683	M643	Alluminium Sheet 2mm Thick	KGS.	135
684	M644	Dozer 80 HP with attachment	Hour	2600
685	M645	Fixing Charges	cu.m.	15
686	M646	Whiting	kg	5.53
687	M647	Precast Concrete Blocks (1:3:6) (39 X 20 X 19 CMS)	100 each	2261
688	M648	Flat iron bracket with bolts nuts bitumen & G	Each	107
689	M649	Teak reaper	Rmt	8.25
690	M650	MS Flat iron bracket	Each	37
691	M651	Plastic roofing compound	kg	16
692	M652	Nails 50mm long	kg	26
693	M653	C.I rainwater pipe 75mm dia.	Rmt	196
694	M654	Sand rainwater pipe 75mm dia.	Rmt	230
695	M655	Steel Plate & Angle	MT	44970
696	M656	Winch	Each	35110
697	M657	Chisel	Each	23000
698	M658	Sluge pump (Roller)	Each	181500

Sr no.	Code	Description	Unit	Rate
699	M659	Tubes	Set	18150
700	M660	Tripod & Wirerope	Set	145200
701	M661	Trimie pipe and Misc. Cassing	Set	114950
702	M662	Sheathing pipe 42mm St. of 7mm	Rmt	38
703	M663	C.I. Pipe 100mm Dia	Rmt	1380
704	M664	G.I. Pipe 100mm Dia	Rmt	800
705	M665	G.I. Pipe 50mm Dia A- Class	Rmt	330
706	M666	G.I. Pipe 40mm Dia A - Class	Rmt	300
707	M667	G.I. Coupling 50mm Dia A- Class	Rmt	95
708	M668	G.I. Coupling 40mm Dia A - Class	Rmt	48
709	M669	Hollow concrete blocks (Size 39 x 9 x 19 cms)	Each	18
710	M670	Hollow concrete blocks (Size 39 x 14 x 9 cms)	Each	23
711	M671	Hollow concrete blocks (Size 39 x 14 x 19 cms)	Each	26.5
712	M672	Pegs	Each	2
713	M673	Water Tanker 6 kl capacity	Hour	200
714	M674	R.S. Joists 350 x 200 x 6 @ 56.9 kg.	Quintal	4497
715	M675	12mm thick M.S. plate	Quintal	4497
716	M676	16mm Dia. rivets	Quintal	3300
717	M677	Principal rafter 100 x 100 x 10	Quintal	3300
718	M678	Gusset plate	Quintal	4497
719	M679	Ties (Flat)	Quintal	3300
720	M680	20mm holding down bolt	Quintal	3300
721	M681	M.S. Channel	Quintal	4497
722	M682	M.S Tee	Quintal	4497
723	M683	Flat iron diagonal 20 x 5mm	Quintal	5100
724	M684	Angle iron 40 x 40 x 6	Quintal	4497
725	M685	M.S. Angel	kg	46.75
726	M686	Alluminium section any size, powder coated	kg	200
727	M687	Alluminium section any size, anodized	kg	35
728	M688	Rubber gasket for glass beading	Rmt	9
729	M689	TMT Bar FE 500 D	Quintal	6097
730	M690	Vitrified Granite tiles 8 mm to 10 m thick 24" x 24 " size Antiskid	Sqm	485
731	M691	Vitrified Granite tiles 8 mm to 10 m thick 24" x 24 " size Light Shade	Sqm	366
732	M692	Weather proof acrylic exterior emulsion paint	Ltr	196
733	M693	R.C.C Heavy Duty Non-Pressure Pipe I.S.Class NP=4 300mm dia.	Meter	600
734	M694	R.C.C Heavy Duty Non-Pressure Pipe I.S.Class NP=4 450mm dia.	Meter	950
735	M695	R.C.C Heavy Duty Non-Pressure Pipe I.S.Class NP=4 600mm dia	Meter	1920
736	M696	R.C.C Heavy Duty Non-Pressure Pipe I.S.Class NP=4 900mm dia	Meter	3390
737	M697	R.C.C Heavy Duty Non-Pressure Pipe I.S.Class NP=4 1000mm dia	Meter	3980
738	M698	R.C.C Heavy Duty Non-Pressure Pipe I.S.Class NP=4 1200mm dia	Meter	6120

Sr no.	Code	Description	Unit	Rate
739	M699	R.C.C Heavy Duty Non-Pressure Pipe I.S.Class NP=4 1400mm dia	Meter	7300
740	M700	R.C.C Heavy Duty Non-Pressure Pipe I.S.Class NP=4 1600mm dia	Meter	10200
741	M701	R.C.C Heavy Duty Non-Pressure Pipe I.S.Class NP=4 1800mm dia	Meter	12900
742	M702	Glass bricks 19 x 19 x10 Cm	No.	98
743	M703	Glass Bricks 19 x 19 x8 Cm	No.	94
744	M704	Floor spring heavy duty	No.	2125
745	M705	S.S. Stopper 60 Cm long of ASIS 304	No.	425
746	M706	S.S. Stopper 30 Cm long of ASIS 304	No.	213
747	M707	S.S. Stopper 20 Cm long of ASIS 304	No.	149
748	M708	S.S. Aldrop 20 Cm long of ASIS 304 Grade	No.	255
749	M709	S.S. Aldrop 25 Cm long of ASIS 304 Grade	No.	383
750	M710	S.S. Aldrop 30 Cm long of ASIS 304 Grade	No.	468
751	M711	S.S. Handle for door/ window 10 Cm size of ASIS 304 Grade	No.	64
752	M712	S.S. Handle for Door 15 Cm size of ASIS 304 Grade	No.	89
753	M713	S.S. Pipe Handle for door 30 Cm size o ASIS 316 Grade	No.	1020
754	M714	S.S. Railing pipe 50 mm x 16 G ASIS 304 Grade	Rmt	1185
755	M715	S.S. Rialing Sq pipe 32x32 mm x 16G ASIS 304 Grade	Rmt	536
756	M716	S.S. Railing pipe 16 mm x 16G ASIS 304 Grade	Rmt	432
757	M717	C.P. Pillar cock 15 mm Heavy duty swan neck	No.	757
758	M718	C.P. Angle stop cock 15 mm Heavy duty with cap	No.	476
759	M719	C.P. Bib cock 15 mm Heavy duty with cap	No.	468
760	M720	Concealed cock 15 mm Heavy duty with cap	No.	574
761	M721	Glass 12 mm thick	Sqmtr	800
762	M722	Glass 10 mm thick	Sqmtr	700
763	M723	Glass 8 mm thick	Sqmtr	550
764	M724	Labour Charges half round edge for Granite	Rmt	85
765	M725	Labour Charges Quarter round edge for granite	Rmt	51
766	M726	Labour Charges edge finished for Granite	Rmt	43
767	M727	Labour Charges half round edge for Kota/Marble	Rmt	51
768	M728	Labour charges quarter round edge for Kota/ Marble	Rmt	34
769	M729	SS Sink Glosy ASIS 304 Grade x 1mm thick with over all size 610x460 mm & bowl size 560x410x200	No.	1800
770	M730	SS Sink Glosy ASIS 304 Grade x 1mm thick with over all size 510x432mm & bowl size 445x368x190	No.	1200
771	M731	SS Sink Glosy ASIS 304 Grade x 1mm thick with over all size 485x410 mm & bowl size 410x365x165	No.	1050
772	M732	Alluminium Composite pannel 3 mm thick	Sqmtr	765
773	M733	Alluminium Composite Pannel 4 mm thick	Sqmtr	850
774	M734	Multy wall pycarbonate sheet 6 mm thick	Sqmtr	1080
775	M735	S.S. Door / window hinges 4x1"x1"	No.	64
776	M736	S.S. Door / Window hinges 4x3/4"x3/4"	No.	26
777	M737	S.S. Door / Window hinges 3x3/4"x3/4"	No.	21
778	M738	Jet spray heavy duty with S.S. Braided hose 60 cm long	No.	361

Sr no.	Code	Description	Unit	Rate
779	M739	Health Fauset Heavy duty with hook with fitting	No.	680
780	M740	Precast concrete block of C.C.1:3:6	100 Nos.	2261
781	M741	Alluminium fixtures and fstenings.	No.	176
782	M742	Iron fixtures and fstenings.	No.	78
783	M743	35 mm thick shutters	Cu.Dm.	43
784	M744	Tiles size 15 cm x 15 cm (Glazed)	10 Nos.	64
785	M745	Flat iron bracket with nuts, bolts, bitumen and G.I. Washers.	Each	107
786	M746	M.S. flat iron bracket	Each	37
787	M747	Plastic proofing compound.	Kg.	16
788	M748	Teak reaper	Meter.	8.25
789	M749	Nails 50 mm long.	Kg.	26
790	M750	C.I. 75 mm diameter rain water pipe	Rmt.	196
791	M751	Whiting chalk	Kg.	5.53
792	M752	Flatting varnish	Liter	79
793	M753	Insecticides.	Liter	309
794	M754	Aeronex powder	Kg.	14
795	M755	D.D.V.P.	Liter	271
796	M756	Heptachlor	Liter	271
797	M757	Melethione	Liter	271
798	M758	Acetone	Liter	271
799	M759	Pags	Each	2
800	M760	Galvanised M.S. Tee	Each	150
801	M761	Galvanised M.S. 5 mm nut.	Each	28
802	M762	A.C. rain water pipe 75 mm diameter (1.8 meter long)	Rmt.	26
803	M763	A.C. rain water pipe 100 mm diameter (1.8 meter long)	Rmt.	30
804	M764	M.S. iron bracket	Each	24
805	M765	G.I. inlet connection	Each	14
806	M766	Brass screw down stop tap 20 mm dia	Each	204
807	M767	Brass screw down stop tap 25 mm dia	Each	221
808	M768	Gun metal wheel valve (i) 15 mm diameter.	Each	187
809	M769	Gun metal wheel valve (i) 20 mm diameter.	Each	204
810	M770	Gun metal wheel valve (i) 35 mm diameter.	Each	315
811	M771	Chromium plated 20 mm diameter half turn flush cock.	Each	255
812	M772	Chromium plated 25 mm diameter half turn flush cock.	Each	264
813	M773	Chromium plated 32 mm diameter half turn flush cock.	Each	276
814	M774	Cromium plated bottle trap.	Each	281
815	M775	Ball cock of copper 25 mm diameter	Each	133
816	M776	Ball cock of copper 50 mm diameter	Each	190
817	M777	Ball cock of abonite 25 mm diameter	Each	103
818	M778	Ball cock of abonite 50 mm diameter	Each	138
819	M779	Gully trap 100mm x 100 mm size.	Each	43
820	M780	I.S. Class NP2 Heavy duty Non- Pressure Pipe (i) 250 mm diameter	Rmt.	275
821	M781	1.80 mm thick FRP sheet	Sqmtr	255

Sr no.	Code	Description	Unit	Rate
822	M782	Plywood all proof (IS 710) 6 mm	Sqmtr	340
823	M783	Plywood all proof (IS 710) 8/9 mm	Sqmtr	400
824	M784	Plywood all proof (IS 710) 12 mm	Sqmtr	450
825	M785	Plywood all proof (IS 710) 16 mm	Sqmtr	600
826	M786	Plywood all proof (IS 710) 18/19 mm	Sqmtr	700
827	M787	Laminated sheet 0.80 mm thick	Sqmtr	200
828	M788	Laminated sheet 1.00 mm thick	Sqmtr	350
829	M789	CPVC Pipe SDR 13.5 - 15 mm daimeter (1/2)"	Rmt	46
830	M790	CPVC Pipe SDR 13.5 - 20 mm daimeter (3/4)"	Rmt	73
831	M791	CPVC Pipe SDR 13.5 - 25 mm daimeter (1)"	Rmt	101
832	M792	CPVC Pipe SDR 13.5 - 32 mm daimeter (1 1/4)"	Rmt	149
833	M793	CPVC Pipe SDR 13.5 - 40 mm daimeter (1 1/2)"	Rmt	204
834	M794	CPVC Pipe SDR 13.5 - 50 mm daimeter	Rmt	335
835	M795	CPVC Pipe jointing solution 50 ml	each	46
836	M796	U PVC SCH40 for cold water 15 mm dia(1/2)"	Rmt	25
837	M797	U PVC SCH40 for cold water 20 mm dia (3/4)"	Rmt	32
838	M798	U PVC SCH40 for cold water 25 mm dia (1)"	Rmt	50
839	M799	U PVC SCH40 for cold water 32 mm dia (1 1/4)"	Rmt	65
840	M800	U PVC SCH40 for cold water 40 mm dia (1 1/2)"	Rmt	82
841	M801	U PVC SCH40 for cold water 50 mm dia (2)"	Rmt	112
842	M802	UPVC Pipe jointing solution 50 ml	each	78
843	M803	PVC SWR pipes IS 13592 for Drain - 75 mmdia	Rmt	169
844	M804	PVC SWR pipes IS 13592 for Drain - 90 mmdia	Rmt	238
845	M805	PVC SWR pipes IS 13592 for Drain - 110 mmdia	Rmt	310
846	M806	PVC SWR pipes IS 13592 for Drain - 160 mmdia	Rmt	602
847	M807	PVC SWR Nani Trap IS 14735 for Drain -75 mm dia with jali	No	80
848	M808	PVC SWR Nani Trap IS 14735 for Drain -100 mm dia with jali	No	88
849	M809	PVC SWR P- Trap IS 14735 for Drain -110x110	No	186
850	M810	PVC SWR P- Trap IS 14735 for Drain -125x110	No	221
851	M811	PVC SWR S- Trap IS 14735 for Drain -110x110	No	328
852	M812	PVC SWR S- Trap IS 14735 for Drain -125x110	No	349
853	M813	PVC SWR Single Y" - 75 mm dia"	No	68
854	M814	PVC SWR Single Y" -110 mm dia"	No	130
855	M815	PVC SWR Double Y" - 75 mm dia"	No	98
856	M816	PVC SWR Double Y" -110 mm dia"	No	173
857	M817	PVC SWR Single T" - 75 mm dia"	No	57
858	M818	PVC SWR Single T" -110 mm dia"	No	104
859	M819	PVC SWR Gully Trap 160 x 110	No	338
860	M820	PVC SWR Single Y" - 75 mm dia With Door"	No	90
861	M821	PVC SWR Single Y" -110 mm dia With Door"	No	161
862	M822	PVC SWR Double Y" - 75 mm dia With Door"	No	125
863	M823	PVC SWR Double Y" -110 mm dia With Door"	No	204
864	M824	PVC SWR Single T" - 75 mm dia With Door"	No	69
865	M825	PVC SWR Single T" -110 mm dia With Door"	No	128
866	M826	PVC SWR Reducer 110 x 75	No	51
867	M827	PVC SWR Piipe clamp 75 mm	No	10
868	M828	PVC SWR Piipe clamp 110 mm	No	15

Sr no.	Code	Description	Unit	Rate
869	M829	PVC SWR Piipe Bend 87.5 degree with door for 75 mm diameter	No	44
870	M830	PVC SWR Piipe Bend 87.5 degree with door for 90 mm diameter	No	66
871	M831	PVC SWR Piipe Bend 87.5 degree with door for 110 mm diameter	No	73
872	M832	PVC SWR WC Connector 110 mm	No	150
873	M833	PVC SWR LIP RING 110 X 110	No	27
874	M834	PVC SWR LIP RING 110 X 125	No	33
875	M835	PVC SWR Vent Cowl 75 mm dia	No	11
876	M836	PVC SWR Vent Cowl 110 mm dia	No	23
877	M837	PVC SWR Coupler 75 mm dia	No	33
878	M838	PVC SWR Coupler 110 mm dia	No	53
879	M839	PVC SWR Piipe Bend 45 degree 75 mm dia	No	37
880	M840	PVC SWR Piipe Bend 45 degree 110 mm dia	No	69
881	M841	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=3 casted by Vertically Vibrated Technology -300mm dia.	Rmt	652
882	M842	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=3 casted by Vertically Vibrated Technology -450mm dia.	Rmt	1000
883	M843	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=3 casted by Vertically Vibrated Technology -500mm dia.	Rmt	1250
884	M844	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=3 casted by Vertically Vibrated Technology -600mm dia.	Rmt	1350
885	M845	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=3 casted by Vertically Vibrated Technology -900mm dia.	Rmt	2365
886	M846	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=3 casted by Vertically Vibrated Technology -1000mm dia.	Rmt	4255
887	M847	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=3 casted by Vertically Vibrated Technology -1200mm dia.	Rmt	5800
888	M848	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=3 casted by Vertically Vibrated Technology -1400mm dia.	Rmt	6950
889	M849	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=4 casted by Vertically Vibrated Technology -300mm dia.	Rmt	610
890	M850	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=4 casted by Vertically Vibrated Technology -450mm dia.	Rmt	1185
891	M851	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=4 casted by Vertically Vibrated Technology -500mm dia.	Rmt	1515

Sr no.	Code	Description	Unit	Rate
892	M852	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=4 casted by Vertically Vibrated Technology -600mm dia.	Rmt	2220
893	M853	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=4 casted by Vertically Vibrated Technology -900mm dia.	Rmt	4200
894	M854	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=4 casted by Vertically Vibrated Technology -1000mm dia.	Rmt	5165
895	M855	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=4 casted by Vertically Vibrated Technology -1200mm dia.	Rmt	7200
896	M856	R.C.C Heavy Duty Non-Pressure Pipe I.S. Class NP=4 casted by Vertically Vibrated Technology -1400mm dia.	Rmt	9735
897	M857	Vitryfied tiles 8 mm to 10 m thick 600 X600 MM size Light shed	sq.m.	300
898	M858	Anodised to Alluminium section	kg	43
899	M859	Darkshed pigment	kg	76
900	M860	Belt clamp 80mm	Each	13
901	M861	Belt clamp 100mm	Each	18
902	M862	Off-set 75 mm - 80 mm dia	Each	21
903	M863	G.S.W. bend 150 mm	Each	60
904	M864	Anodised Aluminum Butt hinges 75 mm x63 mm x 3.2 mm	10 Each	157
905	M865	R.C.C Heavy Duty Non-Pressure pipe I.S.Class NP=2 750mm dia.	Rmt	1400
906	M866	R.C.C Heavy Duty Non-Pressure Pipe I.S.Class NP=3 900mm dia.	Rmt	2754
907	M867	Brick bats 20mm	cu.m.	153
908	M868	D D V P	Litre	271
909	M869	Heptachlor	Litre	271
910	M870	Melethione	Litre	271
911	M871	Acetone	Litre	271
912	M872	Pre-Moulded Asphalt joint Filler 20mm size	Rmt	714
913	M873	100 mm thick SIL FLEX (Capcell HD 100) expansion joint filler board in sheet foam	sqm	30
914	M874	Hydrocell XL semi rigid UV resistance high performance laminated closed cell polythene foam joint filler in sheet foam	sqm	30
915	M875	Expansion joint sealing System on 100 mm Wide	sqm	4800
916	M876	Polysulphide material density of material 1650 Kg/m3	Kg	448
917	M877	PU foam expancell.	Rmt	32
918	M878	4mm thick exterior composite panel	sqm	1000
919	M879	Anodized Alluminium Groove member For top fix glass. Sec:4431	Kg	250
920	M880	Powder coated Alluminium Groove member For top fix glass.Sec:4431	Kg	250

Sr no.	Code	Description	Unit	Rate
921	M881	Anodized Alluminium Horizontal four track Section :8787, 122.20 x 31.75 x 1.10 mm @ Wt. 1.205 Kg/mt	Kg	250
922	M882	Powder coated Alluminium Horizontal four track Section :8787, 122.20 x 31.75 x 1.10 mm @ Wt. 1.205 Kg/mt	Kg	250
923	M883	Anodized Alluminium Horizontal Shutter Section 8947, 40.00 x 18.00 x 1.29 mm @ Wt. 0.456 Kg/mt	Kg	250
924	M884	Anodized Alluminium Horizontal three track Section :92mm x 31.75mm x 1.30mm (of Jindal Section no:8688,@ Wt. 1.07 Kg/mt)	Kg	250
925	M885	Powder coated Alluminium Horizontal three track Section :92mm x 31.75mm x 1.30mm (of Jindal Section no:8688,@ Wt. 1.07 Kg/mt)	Kg	250
926	M886	Anodized Alluminium Horizontal Two track Section :8687, 61.85 x 31.75 x 1.20 mm @ Wt. 0.695 Kg/mt	Kg	250
927	M887	Powder coated Alluminium Horizontal Two track Section :8687, 61.85 x 31.75 x 1.20 mm @ Wt. 0.695 Kg/mt	Kg	250
928	M888	Anodized Alluminium Vertical four track Section :8935, 122.20 x 31.75 x 1.50 mm @ Wt. 1.398 Kg/mt	Kg	250
929	M889	Powder coated Alluminium Vertical four track Section :8935, 122.20 x 31.75 x 1.50 mm @ Wt. 1.398 Kg/mt	Kg	250
930	M890	Anodized Alluminium Vertical Shutter Section 8949, 40.00 x 18.00 x 1.29 mm @ Wt. 0.456 Kg/mt	Kg	250
931	M891	Powder coated Alluminium Vertical Shutter Section 8949, 40.00 x 18.00 x 1.29 mm @ Wt. 0.456 Kg/mt	Kg	250
932	M892	Anodized Alluminium Vertical Shutter Section 8948, 40.00 x 18.00 x 1.29 mm @ Wt. 0.547 Kg/mt	Kg	250
933	M893	Powder coated Alluminium Vertical Shutter Section 8948, 40.00 x 18.00 x 1.29 mm @ Wt. 0.547 Kg/mt	Kg	250
934	M894	Anodized Alluminium Vertical three track Section :92mm x 31.75mm x 1.50mm (of Jindal Section no:8933,@ Wt. 1.06 Kg/mt)	Kg	250
935	M895	Powder coated Alluminium Vertical three track Section :92mm x 31.75mm x 1.50mm (of Jindal Section no:8933,@ Wt. 1.06 Kg/mt)	Kg	250
936	M896	Anodized Alluminium Vertical Shutter Section 8947, 40.00 x 18.00 x 1.29 mm @ Wt. 0.456 Kg/mt	Kg	250
937	M897	Powder coated Alluminium Vertical Shutter Section 8947, 40.00 x 18.00 x 1.29 mm @ Wt. 0.456 Kg/mt	Kg	250
938	M898	Anodized Alluminium Vertical Two track Section :8758, 61.85 x 31.75 x 1.30 mm @ Wt. 0.659 Kg/mt	Kg	250
939	M899	Powder coated Alluminium Vertical Two track Section :8758, 61.85 x 31.75 x 1.30 mm @ Wt. 0.659 Kg/mt	Kg	250
940	M900	Anodized Aluminium , Section :2443, 127.00 x 38.10 x 1.35 mm @ Wt.1.384 Kg/mt	Kg	250

Sr no.	Code	Description	Unit	Rate
941	M901	Powder coated Alluminium Section :2443, 127.00 x 38.10 x 1.35 mm @ Wt.1.384 Kg/mt	Kg	250
942	M902	Anodized Alluminium 95mm x 24mm x 1.17mm (of Jindal Section no:2459 @ wt.of 0.738Kg/mt)	Kg	250
943	M903	Powder coated Alluminium 95mm x 24mm x 1.17mm (of Jindal Section no:2459 @ wt.of 0.738Kg/mt)	Kg	250
944	M904	Anodized Alluminium Section 63.50 x 38.10 x 1.2 mm @ Wt. 0.643 Kg/mt	Kg	250
945	M905	Powder coated Alluminium Section 63.50 x 38.10 x 1.2 mm @ Wt. 0.643 Kg/mt	Kg	250
946	M906	Beading clips Size 19.00 x 17.30 x 0.90 mm @ Wt. 0.124 Kg/mt.	Kg	250
947	M907	Pre-cast kerb block M250 Grade	Rmt.	200
948	M908	Paver block M200 Grade 60mm Thick	sqm	390
949	M910	Paver block M250 Grade 60mm Thick	sqm	445
950	M911	Glzed tiles piece wastege.	sqm	75
951	M912	Polycarbonate multi wall Roofing sheet	sqm	1080
952	M913	Hardware material hilti screw and rubber silicon sealer and alluminium strip of size 50 x 3 mm	sqm	363.15
953	M914	Birla or Asian acrylic lapy (putty)	sqm	21.52
954	M915	wall primer of approved brand	sqm	19.3
955	M916	PVC water tank	litre	3.75
956	M917	Plasticizer 300 ml of 50 kg cement	liter	30
957	M918	Sunext 8 (3 coat)	sqmr.	21
958	M919	1. 12 mm thick CAPCELL HD - 100 pre-moulded compressible filler board	sqm	300
959	M920	1. 20 mm thick CAPCELL HD - 100 pre-moulded compressible filler board	sqm	500
960	M921	1. 40 mm thick CAPCELL HD - 100 pre-moulded compressible filler board	sqm	1000
961	M922	1. 12mm x 10 mm sealant for 12 mm thick pre-moulded compressible filler board	kg	465
962	M923	1. 20mm x 10 mm sealant for 20 mm thick pre-moulded compressible filler board	kg	465
963	M924	Aerated light weight concrete block 600 x 200 x 200 mm	Nos.	88.8
964	M925	1. 15 mm diameter backup rod	m	6.75
965	M926	1. 20 mm diameter backup rod	m	11.25
966	M927	1. 30 mm diameter backup rod	m	13.5
967	M928	1. 50 mm diameter backup rod	m	45
968	M929	1. 60 mm diameter backup rod	m	60
969	M930	PPGI Sheet (0.5 mm Thk) (100+100+10 wt. of 0.82425 per no.)	Nos.	75
970	M931	PPGI Sheet (0.5 mm Thk) (150+150+10 wt. of 1.21675 per no.)	Nos.	75
971	M932	1. 15 mm diameter CPVC (SDR 13.5) PIPE with fittings like lbow, tee	Meter	54
972	M933	1. 20 mm diameter CPVC (SDR 13.5) PIPE	Meter	86
973	M934	1. 25 mm diameter CPVC (SDR 13.5) PIPE	Meter	119

Sr no.	Code	Description	Unit	Rate
974	M935	1. 32 mm diameter CPVC (SDR 13.5) PIPE	Meter	175
975	M936	1. 40 mm diameter CPVC (SDR 13.5) PIPE	Meter	240
976	M937	1. 50 mm diameter CPVC (SDR 13.5) PIPE	Meter	394
977	M938	15mm dia. U.P.V.C. Pipe ((SCH- 40) length = 12.0 mt	Rmt	29
978	M939	25mm dia. U.P.V.C. Pipe ((SCH- 40) length = 12.0 mt	Rmt	59
979	M940	32mm dia. U.P.V.C. Pipe ((SCH- 40) length = 12.0 mt	Rmt	76
980	M941	40mm dia. U.P.V.C. Pipe ((SCH- 40) length = 12.0 mt	Rmt	96
981	M942	50mm dia. U.P.V.C. Pipe ((SCH- 40) length = 12.0 mt	Rmt	132
982	M943	Clamps including Nails	Nos	5
983	M944	Solution 50 ml adhesive solvent	Nos	92
984	M945	3. Clamps	No.	111
985	M946	4. Solution	No.	18
986	M947	1. 160 dia UPVC pipe	Rmt	708
987	M948	2. Plug		0
988	M949	5. Jani Hails	ml	92
989	M950	30mm thick PUF Insulated continuous sandwich panels (0.5 mm thick pre coated GI sheet on both side of Polyurethane foam with external face being corrugated)	Sqm	1343.75
990	M951	30mm thick PUF Insulated continuous sandwich panels(0.35 mm thick pre coated GI sheet on both side of Polyurethane foam with external face being corrugated)	Sqm	1161
991	M952	50mm thick PUF Insulated continuous sandwich panels(0.50 mm thick pre coated GI sheet on both side of Polyurethane foam with external face being corrugated)	Sqm	1374
992	M953	50mm thick PUF Insulated continuous sandwich panels(0.35 mm thick pre coated GI sheet on both side of Polyurethane foam with external face being corrugated)	Sqm	1182
993	M954	40mm thick PUF Insulated continuous sandwich panels(0.5 mm thick pre coated GI sheet on both side of Polyurethane foam with external face being corrugated)	Sqm	1325
994	M955	40mm thick PUF Insulated continuous sandwich panels(0.35 mm thick pre coated GI sheet on both side of Polyurethane foam with external face being corrugated)	Sqm	1133
995	M956	RHS 122 x 61 x 3.6 (2904mm)	Kg	60
996	M957	8mm Plate (122 X 61mm)	Kg	48
997	M958	8mm Plate (300 x 300)	Kg	48
998	M959	8mm Plate (100 x 75)	Kg	48
999	M960	8mm Plate (110 x 70)	Kg	48
1000	M961	PPGI Sheet 52mm x 30mm (0.5 mm Thk)	Nos.	75
1001	M962	Machineing Charge for making continous Profiling for PPGI Sheet 52mm x 30mm (0.5 mm Thk)	Rmt	60
1002	M964	Machineing Charge for making continous Profiling PPGI Sheet 42mm x 30mm (0.5 mm Thk)	Rmt	60

Sr no.	Code	Description	Unit	Rate
1003	M965	PPGI Sheet 42mm x 30mm (0.5 mm Thk)	Nos.	75
1004	M967	PPGI Sheet 1000mm x 600mm (0.5 mm Thk)	Nos.	75
1005	M969	PPGI Sheet 1000mm x 600mm (0.5 mm Thk)	Nos.	75
1006	M970	Machineing Charge for making continous Profiling PPGI Sheet 1000mm x 600mm (0.5 mm Thk)	Rmt	520
1007	M971	PPGI Sheet End Cap for 30mm thick panel (0.5 mm Thk)	Nos.	75
1008	M973	PPGI Sheet End Cap for 40mm thick panel (0.5 mm Thk)	Nos.	75
1009	M975	PPGI Sheet Corner Angle 25x25 for Various Flashing (0.5 mm Thk)	Nos.	75
1010	M977	PPGI Sheet Corner Angle 50x50 for Various Flashing (0.5 mm Thk)	Nos.	75
1011	M979	PPGI Sheet Corner Angle 100x100 for Various Flashing (0.5 mm Thk)	Nos.	75
1012	M981	PPGI Sheet Corner Angle 150x150 for Various Flashing (0.5 mm Thk)	Nos.	75
1013	M983	Silane Nanotechnology	Kg	800
1014	M984	Acrylic copolymer	Kg	250
1015	M985	Water	Kg	0.25
1016	M986	Water tanker with pressure distributor/sprayer	hrs	500
1017	M987	Silane Nanotechnology (for bitumen emulsion application)	Kg	1200
1018	M988	BT Metal 25 to 40 MM & Aggregate 13.2 and down chips & SD including conveyence	Cum	920.19
1019	M989	Silane Nanotechnology Z	Kg	1400
1020	M990	Light weight Calcium Silicate tegular edged 595X595 Modular Acoustical ceiling tiles with 15 mm Thick Densified edges including 5% wastage	Sqm	950
1021	M991	Galvanized Steel main Tee ceiling section Size 24x38x0.33mm (3 metre long)	Each	180
1022	M992	Galvanized Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long)	Each	170.5
1023	M993	Galvanized Steel intermediate cross T section Size 24 x 28 x 0.30 mm (1.2 metre long)	Each	90
1024	M994	Galvanized Steel intermediate cross T section Size 24 x 28 x 0.30 (0.6 metre long)	Each	45.1
1025	M995	Hanger rod 4mm thick	Each	7
1026	M996	Level Adjustment clip Size 85x30x0.8 mm	Each	6
1027	M997	Dash fastener 12.5 mm dia 50 mm long	Each	48
1028	M998	Soffit cleat 25mmx35mmx1.60mm	Each	3
1029	M999	Wooden screws with plastic rawl plugs 35mm x 8mm,	Each	1

Sr no.	Code	Description	Unit	Rate
Labour Charges				
1	L001	Labour charges - Bandhani	Each	348.2
2	L002	Labour charges - Bhisti	Each	356.2
3	L003	Labour charges - Blacksmith 1st Class	Each	365.2
4	L004	Labour charges - Blacksmith 2nd Class	Each	356.2
5	L005	Labour charges - Breaker	Each	348.2
6	L006	Labour charges - Bullock with Driver to Mortar Mill	Each	294.4
7	L007	Labour charges - Carpenter 1st Class	Each	365.2
8	L008	Labour charges - Carpenter 2nd Class	Each	356.2
9	L009	Labour charges - Chowkidar	Each	348.2
10	L010	Labour charges - Compressor Operator	Each	365.2
11	L011	Labour charges - Crane operator with Helper	Each	630
12	L012	Labour charges - Excavator	Each	348.2
13	L013	Labour charges - Extra labar sinking and chisselling	Each	2100
14	L014	Labour charges - Fitter	Each	365.2
15	L015	Labour charges - Glazier	Each	365.2
16	L016	Labour charges - Handcart with Mazdoor	Each	450
17	L017	Labour charges - Hole Driller	Each	348.2
18	L018	Labour charges - Mason 1st Class	Each	365.2
19	L019	Labour charges - Mason 2nd Class	Each	356.2
20	L020	Labour charges - Mate	Each	348.2
21	L021	Labour charges - Mazdoor (Female)	Each	348.2
22	L022	Labour charges - Mazdoor (Male)	Each	348.2
23	L023	Labour charges - Mistry	Each	365.2
24	L024	Labour charges - Painter	Each	365.2
25	L025	Labour charges - Plumber (Fitter)	Each	365.2
26	L026	Labour charges - Plumber(Fitter)Assist	Each	356.2
27	L027	Labour charges - Polisher	Each	365.2
28	L028	Labour charges - Spraymen	Each	356.2
29	L029	Labour charges - Supervision for Machinery	Each	365.2
30	L030	Labour charges - Welder	Each	365.2
31	L031	Labour charges - White Washer	Each	365.2
32	L032	Labour charges - Winch Operator	Each	365.2
33	L034	Labour for Applying Two Coat of Preventive Coating on Steel per day (Painter)	Days	294.4
34	L035	Labour for Removing (Descaling) Rust & Applying one coat per day (Semi Skilled)	Days	303
35	L036	Semi Skill helper	days	194.5
36	L037	Unskilled Labour	days	194.5
37	L038	Labour charges - Mazdoor with Hand Cart	each	450
38	L039	helper	days	199.9
39	L040	Labour charges Beldar	Each	300
40	L044	Labour charges - Chiseller (Semi Skilled)	Each	294.4
41	L045	Appklicating Operator	No.	750

Sr no.	Code	Description	Unit	Rate
Carriage				
1	C001	Carriage of GSW pipe lead 100mm (upto 10 ton)	Rmt	1.64
2	C001A	Carriage of GSW pipe lead 100mm (more than 10 ton)	Rmt	1.64
3	C002	Carriage of GSW pipe lead 125mm (upto 10 ton)	Rmt	2.45
4	C002A	Carriage of GSW pipe lead 125mm (more than 10 ton)	Rmt	2.45
5	C003	Carriage of GSW pipe lead 150mm (upto 10 ton)	Rmt	3.27
6	C003A	Carriage of GSW pipe lead 150mm (more than 10 ton)	Rmt	3.27
7	C004	Carriage of GSW pipe lead 200mm (upto 10 ton)	Rmt	3.27
8	C004A	Carriage of GSW pipe lead 200mm (more than 10 ton)	Rmt	3.27
9	C005	Carriage of RCC pipe lead 250mm (upto 10 ton)	Rmt	13.12
10	C005A	Carriage of RCC pipe lead 250mm (more than 10 ton)	Rmt	13.12
11	C006	Carriage of RCC pipe lead 300mm (upto 10 ton)	Rmt	15.75
12	C006A	Carriage of RCC pipe lead 300mm (more than 10 ton)	Rmt	15.75
13	C007	Carriage of RCC pipe lead 350 to 400 mm (upto 10 ton)	Rmt	24.6
14	C007A	Carriage of RCC pipe lead 350 to 400 mm (more than 10 ton)	Rmt	24.6
15	C008	Carriage of RCC pipe lead 450 to 500 mm (upto 10 ton)	Rmt	35.79
16	C008A	Carriage of RCC pipe lead 450 to 500 mm (more than 10 ton)	Rmt	35.79
17	C009	Carriage of RCC pipe lead 600 700 & 750 mm (upto 10 ton)	Rmt	65.61
18	C009A	Carriage of RCC pipe lead 600 700 & 750 mm (more than 10 ton)	Rmt	65.61
19	C010	Carriage of RCC pipe lead 900 to 1200mm (upto 10 ton)	Rmt	98.41
20	C010A	Carriage of RCC pipe lead 900 to 1200mm (more than 10 ton)	Rmt	98.41
21	C011	Carriage Hoops Iron (upto 10 ton)	MT	190.68
22	C011A	Carriage Hoops Iron (more than 10 ton)	MT	190.68
23	C012	Carriage of Asbestos Sheet (upto 10 ton)	MT	220.41
24	C012A	Carriage of Asbestos Sheet (more than 10 ton)	MT	169.74
25	C013	Carriage of Bitumen (upto 10 ton)	MT	173.49
26	C013A	Carriage of Bitumen (more than 10 ton)	MT	173.49
27	C014	Carriage of Bricks (upto 10 ton)	1000 Each	195.86
28	C014A	Carriage of Bricks (more than 10 ton)	1000 Each	195.86
29	C015	Carriage of brick bats chhara (upto 10 ton)	cu.m.	195.86
30	C015A	Carriage of brick bats chhara (more than 10 ton)	cu.m.	195.86
31	C016	Carriage of Brick aggregate 40mm size (upto 10 ton)	cu.m.	195.86
32	C016A	Carriage of Brick aggregate 40mm size (more than 10 ton)	cu.m.	195.86
33	C017	Carriage of C.I. Grating (upto 10 ton)	Each	2.84
34	C017A	Carriage of C.I. Grating (more than 10 ton)	Each	2.84
35	C018	Carriage of chips agg. (upto 10 ton)	cu.m.	97.93
36	C018A	Carriage of chips agg. (more than 10 ton)	cu.m.	97.93
37	C019	Carriage of Cement (upto 10 ton)	MT	70.99
38	C019A	Carriage of Cement (more than 10 ton)	MT	70.99
39	C020	Carriage of CI cover and frame (upto 10 ton)	Each	28.46
40	C020A	Carriage of CI cover and frame (more than 10 ton)	Each	28.46

Sr no.	Code	Description	Unit	Rate
41	C021	Carriage of CI cover without frame (upto 10 ton)	each	13.8
42	C021A	Carriage of CI cover without frame (more than 10 ton)	each	13.8
43	C022	Carriage of Coarse Sand (upto 10 ton)	cu.m.	45.08
44	C022A	Carriage of Coarse Sand (more than 10 ton)	cu.m.	45.08
45	C023	Carriage of concrete block (39cm x 20cm x 19cm) (upto 10 ton)	100 Each	70.99
46	C023A	Carriage of concrete block (39cm x 20cm x 19cm) (more than 10 ton)	100 Each	70.99
47	C024	Carriage of Earth. 0.5km. (upto 10 ton)	cu.m.	4.48
48	C024A	Carriage of Earth. 0.5km. (more than 10 ton)	cu.m.	4.48
49	C025	Carriage of Earth. 1km. (upto 10 ton)	cu.m.	8.52
50	C025A	Carriage of Earth. 1km. (more than 10 ton)	cu.m.	8.52
51	C026	Carriage of Earth. 2km. (upto 10 ton)	cu.m.	16.21
52	C026A	Carriage of Earth. 2km. (more than 10 ton)	cu.m.	16.21
53	C027	Carriage of Earth. 3km. (upto 10 ton)	cu.m.	23.66
54	C027A	Carriage of Earth. 3km. (more than 10 ton)	cu.m.	23.66
55	C028	Carriage of Fine Sand (upto 10 ton)	cu.m.	45.08
56	C028A	Carriage of Fine Sand (more than 10 ton)	cu.m.	45.08
57	C029	Carriage of Marble (upto 10 ton)	cu.m.	97.93
58	C029A	Carriage of Marble (more than 10 ton)	cu.m.	97.93
59	C030	Carriage of Marble Chips (upto 10 ton)	cu.m.	97.93
60	C030A	Carriage of Marble Chips (more than 10 ton)	cu.m.	97.93
61	C031	Carriage of Murrum (upto 10 ton)	cu.m.	45.08
62	C031A	Carriage of Murrum (more than 10 ton)	cu.m.	45.08
63	C032	Carriage of Rubble (upto 10 ton)	cu.m.	138.24
64	C032A	Carriage of Rubble (more than 10 ton)	cu.m.	138.24
65	C033	Carriage of Precast slabs (concrete) (upto 10 ton)	cu.m.	70.99
66	C033A	Carriage of Precast slabs (concrete) (more than 10 ton)	cu.m.	70.99
67	C034	Carriage of Quarry Spall (upto 10 ton)	cu.m.	97.93
68	C034A	Carriage of Quarry Spall (more than 10 ton)	cu.m.	97.93
69	C035	Carriage of Steam Coal (upto 10 ton)	MT	97.93
70	C035A	Carriage of Steam Coal (more than 10 ton)	MT	97.93
71	C036	Carriage of Steel (upto 10 ton)	MT	125.99
72	C036A	Carriage of Steel (more than 10 ton)	MT	125.99
73	C037	Carriage of Hand Broken Stone agg. 40 to 63mm (upto 10 ton)	cu.m.	117.31
74	C037A	Carriage of Hand Broken Stone agg. 40 to 63mm (more than 10 ton)	cu.m.	117.31
75	C038	Carriage of Brick agg. 20mm size (upto 10 ton)	cu.m.	70.99
76	C038A	Carriage of Brick agg. 20mm size (more than 10 ton)	cu.m.	70.99
77	C039	Carriage of Stone Aggregate 20mm size (upto 10 ton)	cu.m.	105.76
78	C039A	Carriage of Stone Aggregate 20mm size (more than 10 ton)	cu.m.	105.76
79	C040	Carriage of Stone Aggregate 40mm size (upto 10 ton)	cu.m.	117.31
80	C040A	Carriage of Stone Aggregate 40mm size (more than 10 ton)	cu.m.	117.31

Sr no.	Code	Description	Unit	Rate
81	C041	Carriage of tiles (upto 10 ton)	1000 Each	59.96
82	C041A	Carriage of tiles (more than 10 ton)	1000 Each	59.96
83	C042	Carriage of Timber (upto 10 ton)	cu.m.	29.98
84	C042A	Carriage of Timber (more than 10 ton)	cu.m.	29.98
85	C043	Carriage of Unslaked Lime (upto 10 ton)	cu.m.	29.98
86	C043A	Carriage of Unslaked Lime (more than 10 ton)	cu.m.	29.98
87	C044	Carriage Of Tube	Tonne	173.49
88	C053	Carriage of Galvenized MS Tubes upto 50mm dia (upto 10 ton)	Each	31.49
89	C053A	Carriage of Galvenized MS Tubes upto 50mm dia (more than 10 ton)	Each	31.49
90	C054	Carriage of sheets GI/MS (upto 10 ton)	MT	31.49
91	C054A	Carriage of sheets GI/MS (more than 10 ton)	MT	31.49
92	C055	Carriage of Stone Aggregate 6mm size (upto 10 ton)	cu.m.	105.76
93	C055A	Carriage of Stone Aggregate 6mm size (more than 10 ton)	cu.m.	105.76
94	C062	Carriage of Stone (upto 10 ton)	cu.m.	105.76
95	C062A	Carriage of Stone (more than 10 ton)	cu.m.	105.76
96	C063	Carraige of concrete panels	Cmt.	70.99

Sr no.	Code	Description	Unit	Rate
Hire Charges				
1	H001	Hire Charges for Bituminous filter oil Fire	Hour	208
2	H002	Hire Charges for Bituminous Mixer	Hour	187
3	H003	Hire Charges for Boiler	Hour	140
4	H004	Hire Charges for Pneumatic Road Roller	Hr	655
5	H005	Hire Charges for Tendon Road Roller	Hour	655
6	H006	Hire charges for Comprssor	Per Day	240
7	H007	Hire charges for Crane	Hr	825
8	H008	Hire Charges for Mech. Mixer (Extra Cost)	L.S	52.9
9	H009	Hire Charges for Mech. Mortar mill	L.S	36.3
10	H010	Hire charges for penumetic drill & Pavement bracker	Hr	100.7
11	H011	Hire charges for road Roller	Per Day	2800
12	H012	Hire charges for vibrator	L.S	40
13	H013	Hire Charges for Vibratory Road Roller	Hour	48
14	H014	Hire charges of required pilling Machinerries	Hour	625
15	H015	Hire charges of surface Vibrator	Each	60
16	H016	Hydraulic Excavator 1 cum bucket capacity @ 60 cum per hour	hour	840
17	H017	Tipper 10 tonne capacity	tonne	1.6
18	H018	Dozer 80 HP for spreading @ 200 cum per hour	hour	2400
19	H019	Motor grader for grading @ 100 cum per hour	hour	1545
20	H020	Vibratory roller 8 - 10 tonnes @ 100 cum per hour	hour	994
21	H021	Hire Charges of drilling machine	Days	325
22	H022	Tractor with rotovator	hrs	245
23	H023	Bitumen emulsion pressure distributor	days	600
24	H024	Excavator Pile Driving	Day	1000
25	H025	Core Drill	Rmt.	1315
26	H026	Impact Drill and Hand Socket	Day	600
27	H027	Wrench	Day	300
28	H028	Scissor Jack	Day	300
29	H029	Rail Cutting	Day	250
30	H030	Zinc Coating	LS	6000
31	H031	Diesel Generator	Day	7500
32	H032	Truck (Considering 1 Truck for 20 days @ Rs.5000 Per Day)	Day	5000
33	H033	Tractor Trolley (Considering 1 Tractor Trolley for 20 Days (8 Hours per Day Rs.245 per Hour)	Day	1960
34	H034	Design of the structure using specialised steel framing software	Kg.	5
35	H035	Computerised Profile Marking Machine	Hrs	900
36	H036	Pre heat boiler	Hrs	100

Sr no.	Code	Description	Unit	Rate
Extra				
1	E001	Extra for 40mm thick shutters instead of 35mm thick	L.S	60
2	E002	Less for 25mm thick shutters instead of 35mm thick	L.S	50
3	E003	Extra for Labour Charges for Hot Mix Plant	L.S	398
4	E004	Extra for Carriage of Stone	L.S	2.47
5	E005	Extra for Scaffolding	L.S	2.47
6	E006	Extra for Blasting Powder	L.S	365
7	E007	Extra Labour for Sinking And Chiselling	L.S	970
8	E008	Extra for knetledge block of CC 1:3:6 and labour for loading	L.S	741
9	E009	Extra for Cover blocks	L.S	21
10	E010	Extra for Labour charges for cutting, Bending and welding	L.S	10
11	E011	Extra for controlled Concrete	L.S	490
12	E012	Extra cost of centering and shuttering	L.S	230
13	E013	Extra Cost of Hire Charges for Mech. Mixer	L.S	52.9
14	E014	Extra for Cement Mortar 1:3 for Mixing	L.S	44
15	E015	Extra for Carriage of Panels, shuters, particle board etc.	L.S	6.32
16	E016	Extra for M.S. Plate / Flat	L.S	8
17	E017	Extra cost of rivet fixing, hook and wahser etc.	L.S	15.4
18	E018	Extra for RCC precast jali 50mm thick	L.S	187
19	E019	Carriage of material etc. 89647,5300,55 Rawl,9800 1st class carpen,5600	L.S	1.49
20	E020	Labour charges for light fitting & diffusers	L.S	175
21	E021	Labour Charges for filling Rock Wool	L.S	5.21
22	E022	Labour Charges for Installation of Vapour Breather Membrane	L.S	15
23	E023	Wastage and overlapping of the thermal bubble insulation	L.S	6
24	E024	Transporation of thermal bubble insulation from factory to site including loading / unloading	L.S	6
25	E025	Labour Charges for fixing thermal bubble insulation	L.S	25
26	E026	Labour Charges for fixing 12mm thick Cement Board	L.S	140
27	E027	Conveyance charge 5 km lead	L.S	235.51

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 2 MORTARS				
02001A	2.5.1	Lime Mortar 1:1 (1-lime putty/ Equivalent dry Hydrated Lime : 1-Fine sand)	cu.m	1513.60
02002A	2.5.2	Lime Mortar 1:2 (1-lime putty/ Equivalent dry Hydrated Lime : 2-Fine sand)	cu.m	1312.30
02003A	2.5.3	Lime Mortar 1:3 (1-lime putty/Equivalent dry Hydrated Lime : 3 - Fine sand)	cu.m	1211.10
02004A	0	Lime Mortar 1:1.5 (1-lime putty/ Equivalent dry Hydrated Lime : 1.5 Fine sand)	cu.m	1428.90
02005A	2.5.11	Cement Mortar 1:1 (1-Cement: 1- fine sand)	cu.m	6081.90
02006A	2.5.12	Cement Mortar 1:2(1-Cement: 2-fine sand)	cu.m	4316.40
02007A	2.5.13	Cement Mortar 1:3(1-Cement: 3- fine sand)	cu.m	3434.20
02008A	2.5.14	Cement Mortar 1:4(1-Cement: 4- fine sand)	cu.m	2730.20
02009A	2.5.15	Cement Mortar 1:5(1-Cement: 5- fine sand)	cu.m	2350.70
02010A	2.5.16	Cement Mortar 1:6(1-Cement: 6- fine sand)	cu.m	2026.20
02011A	2.5.18	Cement Mortar 1:3 (1-Cement: 3 - coarse sand)	cu.m	3454.00
02012A	2.5.19	Cement Mortar 1:4 (1-Cement: 4 - coarse sand)	cu.m	2750.00
02013A	2.5.20	Cement Mortar 1:5 (1-Cement: 5 - coarse sand)	cu.m	2371.60
02014A	2.5.21	Cement Mortar 1:6 (1-Cement: 6 - coarse sand)	cu.m	2046.00
02015A	0	Cement Mortar 1:8 (1-Cement: 8 - fine sand)	cu.m	1721.50
02016A	0	Lime Mortar 1:1.5 (1- Lime putty / Equivalent dry hydrated Lime:1.5 coarse sand)	cu.m	1443.20

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 4 (A) EARTH WORK (FOR ALL ITEMS EXECUTED WITH MECHANISED EFFORTS/ MACHINERY)				
04001A	0	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	cu.m	77.28
04001B	0	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(B) Dense or Hard soil	cu.m	98.90
04001C	0	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(C) Hard Murrum	cu.m	167.90
04001D	0	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(D) Soft rock not requiring Blasting	cu.m	174.80
04001E	0	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(E) Hard Rock	cu.m	394.45
04002A	0	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	cu.m	85.68
04002B	0	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(B) Dense or Hard soil	cu.m	107.30
04002C	0	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(C) Hard Murrum	cu.m	180.55
04002D	0	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead. (D) Soft rock not requiring Blasting	cu.m	189.75
04002E	0	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(E) Hard Rock	cu.m	409.40

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
04003A	0	Excavation for foundation for depth from 3.0 m to 5.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	cu.m	94.07
04003B	0	Excavation for foundation for depth from 3.0 m to 5.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(B) Dense or Hard soil	cu.m	116.15
04003C	0	Excavation for foundation for depth from 3.0 m to 5.0 m including sorting out and stacking of useful materials and disposing of the excavated stuff upto 50 Meter lead.(C) Hard Murrum	cu.m	189.75
04003D	0	Excavation for foundation for depth from 3.0 m to 5.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(D) Soft rock not requiring Blasting	cu.m	204.70
04003E	0	Excavation for foundation for depth from 3.0 m to 5.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(E) Hard Rock	cu.m	424.35
04004A	0	Extra for additional depth more than 5.0 m for excavation for foundation including sorting out and stacking of useful materials and disposing of the excavated stuff upto 50 m lead.(A) Loose or soft soil	cu.m	14.84
04004B	0	Extra for additional depth more than 5.0 m for excavation for foundation including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 m lead.(B) Dense or Hard soil	cu.m	14.84
04004C	0	Extra for additional depth more than 5.0 m for excavation for foundation including sorting out and stacking of useful materials and disposing of the excavated stuff upto 50 m lead.(C) Hard Murrum	cu.m	20.47
04004D	0	Extra for additional depth more than 5.0 m for excavation for foundation including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 m lead.(D) Soft rock not require Blasting	cu.m	26.45

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
04004E	0	Extra for additional depth more than 5.0 m for excavation for foundation including sorting out and stacking of useful materials and disposing of the excavated stuff upto 50 m lead.(E) Hard Rock	cu.m	26.45
04005A	0	Add extra for Disposing off the excavated stuff of above items for lead of (A) 50 m to 100 m	cu.m	14.11
04005B	0	Add extra for Disposing off the excavated stuff of above items for lead of (B) 100 m to 200 m	cu.m	28.22
04005C	0	Add extra for Disposing off the excavated stuff of above items for lead of (C) 200 m to 300 m	cu.m	42.34
04005D	0	Add extra for Disposing off the excavated stuff of above items for lead of (D) 300 m to 400 m	cu.m	62.72
04005E	0	Add extra for Disposing off the excavated stuff of above items for lead of (E) 400 to 500 m	cu.m	104.54
4006	4.12	Filling available excavated earth (excluding rock) in trenches. plinth, sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each disposed layer by ramming and watering.	cu.m	87.98
04007A	4.24	Filling in plinth with sand under floors including watering ramming, consolidating and dressing complete	cu.m	336.34
04008A	0	Filling in foundation and plinth with murrum or selected soil in layers of 20cm. thickness including watering, ramming and consolidating etc. complete.	cu.m	215.54
04009A	0	Filling in foundation and plinth with brick Bats Chhara in layers of 20cm. thickness including watering, remming and consolidating etc. complete.	cu.m	532.45
04010A	4.27	Boring holes 3.5 m deep in ordinary soil (for cast in situ piles) and getting out the soil and disposal of the surplus excavated soil as directed within a lead of 50 Meter for following diameter of pipes.(i)200 mm	Each	700.35
04010B	4.27	Boring holes 3.5 m deep in ordinary soil (for cast in situ piles) and getting out the soil and disposal of the surplus excavated soil as directed within a lead of 50 Meter for following diameter of pipes.(ii) 250 mm	Each	838.35
04010C	4.27	Boring holes 3.5 m deep in ordinary soil (for cast in situ piles) and getting out the soil and disposal of the surplus excavated soil as directed within a lead of 50 Meter for following diameter of pipes.(iii) 300 mm	Each	980.95

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
04011A	4.28	Extra for under reaming inside the bore Holes for under reamed piles of following Diameter.(i) 200 mm	Each	279.45
04011B	4.28	Extra for under reaming inside the bore Holes for under reamed piles of following Diameter.(ii) 250 mm	Each	335.80
04011C	4.28	Extra for under reaming inside the bore Holes for under reamed piles of following Diameter.(iii) 300 mm	Each	417.45
04012A	4.29	Add to or deduct from the rate for Bore Holes of 3.5 m Depth, if bore holes are made deeper or shallower than 3.5M. for Piles of following diameter.(i) 200 mm	Each	234.60
04012B	4.29	Add to or deduct from the rate for Bore Holes of 3.5 m Depth, if bore holes are made deeper or shallower than 3.5M. for Piles of following diameter.(ii) 250 mm	Each	312.80
04012C	4.29	Add to or deduct from the rate for Bore Holes of 3.5 m Depth, if bore holes are made deeper or shallower than 3.5M. for Piles of following diameter.(iii) 300 mm	Each	350.75

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 4 (B) EARTH WORK (FOR ALL ITEMS EXECUTED WITH MANUAL LABOUR)				
04B001A	0	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	cu.m	148.75
04B001B	0	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(B) Dense or Hard soil	cu.m	190.00
04B001C	0	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(C) Hard Murrum	cu.m	323.75
04B001D	0	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(D) Soft rock not requiring Blasting	cu.m	335.00
04B001E	0	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(E) Hard Rock	cu.m	666.00
04B002A	0	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	cu.m	158.40
04B002B	0	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(B) Dense or Hard soil	cu.m	198.00
04B002C	0	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(C) Hard Murrum	cu.m	333.60
04B002D	0	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead. (D) Soft rock not requiring Blasting	cu.m	349.20
04B002E	0	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(E) Hard Rock	cu.m	693.60

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
04B003A	0	Excavation for foundation for depth from 3.0 m to 5.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	cu.m	174.00
04B003B	0	Excavation for foundation for depth from 3.0 m to 5.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(B) Dense or Hard soil	cu.m	213.60
04B003C	0	Excavation for foundation for depth from 3.0 m to 5.0 m including sorting out and stacking of useful materials and disposing of the excavated stuff upto 50 Meter lead.(C) Hard Murrum	cu.m	349.20
04B003D	0	Excavation for foundation for depth from 3.0 m to 5.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(D) Soft rock not requiring Blasting	cu.m	376.80
04B003E	0	Excavation for foundation for depth from 3.0 m to 5.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(E) Hard Rock	cu.m	721.20

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 5 CONCRETE WORK				
05001A	5.1.6	Providing and laying in foundation and plinth / under floors lime concrete with hand broken stone aggregates 40mm nominal size and 40% mortar comprising of 1-Lime putty : 2-Fine sand and curing complete excluding cost of formwork.	cu.m	1826.00
05002A	5.1.8	Providing and laying in foundation and plinth / under floors lime concrete with graded brick aggregates 40 mm nominal size and 40% mortar comprising of 1-Limeputty : 2-Fine sand and curing completeexcluding cost of formwork.	cu.m	1794.10
05003A	5.3.2	Providing and laying cement concrete 1:3:6 (1-Cement : 3- coarse sand : 6- hand broken stone aggregates 40 mmnominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	cu.m	2632.30
05004A	5.3.3	Providing and laying cement concrete 1:4:8 (1- Cement : 4- coarse sand : 8- hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	cu.m	2358.40
05005A	5.3.14	Providing and laying cement concrete 1:3:6 (1- Cement : 3- Coarse sand : 6- crushed stone aggregates 20 mm nominal size) and curing complete including cost of formwork in (A) Wall Caps / Coping	cu.m	2983.20
05006A	5.3.4	Providing and laying cement concrete 1:5:10 (1- Cement : 5- Coarse sand : 10- hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	cu.m	2139.50
05007A	5.3.2	Providing and laying cement concrete 1:3:6 (1- Cement : 3- Coarse sand : 6- Graded brick bat aggregate 40mm normal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	cu.m	2285.80
05008A	5.3.3	Providing and laying cement concrete 1:4:8 (1- Cement : 4- Coarse sand : 8- Graded Brick bats aggregate 40mm normal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	cu.m	2044.90
05009A	5.3.8	Providing and laying cement concrete 1:5:10 (1- Cement : 5- fine sand : 10- graded brick bat aggregates 40mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	cu.m	1856.80

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
05010AA	5.3.13	Providing and laying cement concrete 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	cu.m	3033.80
05010BA	5.3.13	Providing and laying cement concrete 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in (B)Independent piers, columns, and pillars, upto floor two level	cu.m	3033.80
05011AA	5.4.1	Providing and laying cement concrete work 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base or columns and Mass concrete	cu.m	3168.00
05011BA	5.4.1	Providing and laying cement concrete work 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (B) Slabs, landing, shelves, Balconis , Lintels, Beams, Girders and Cantilever upto floor two level.	cu.m	3221.90
05011DA	5.4.1	Providing and laying cement concrete work 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts upto floor two level.	cu.m	3221.90
05011EA	5.4.1	Providing and laying cement concrete work 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (E)Staircases excluding landing upto floor two level	cu.m	3535.40
05011KA	5.4.1	Providing and laying cement concrete work 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (K)Vertical and Horizontal its upto floor two level.	cu.m	3349.50

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
05012A	5.4.4	Providing and laying cement concrete 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) for reinforced concrete Chhajjas not exceeding 10cm. thickness upto floor two level including finishing the exposed surfaces with cement mortar 1:3 (1- cement, 3 Fine sand) to give a smooth and even surface centering and formwork and curing complete excluding cost of reinforcement.	cu.m	5120.50
05013A	5.4.10	Providing Mild Steel reinforcement for R.C.C. work including bending binding, and placing in position complete upto floor two level.	kg	55.83
05014AA	5.4.11	Providing H.Y.S.D. Bar reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level	kg	58.09
05014BA	5.4.11	Providing TMT Bar FE 415 reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level	kg	62.61
05014C	5.4.11	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level	kg	71.71
05015A	5.4.13	Extra for additional lift of concrete for all R.C.C. work above floor two level excluding cost of reinforcement	cu.m	32.12
05016A	5.4.13A	Extra for additional lift of reinforcing steel for all R.C.C. work above floor two level.	kg	0.66
5017	5.4.16	Deduct for omitting in R.C.C. work smooth finishing of the exposed surface with cement mortar 1:3 (1-Cement : 3-Fine sand)	Sqm	91.63
5018	5.4.18	Providing throating or plaster drip and moulding to R.C.C. Chhajja.	Rmt	27.06
05019A	5.6.2	Providing upto floor two level precast cement concrete jali or grill 1:2:4 mix (1- Cement : 2- coarse sand : 4-graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia. Mild steel wire including roughening, cleaning, fixing and finishing in cement mortar 1:3 and curing complete. (A) 50mm thick	Sqm	482.90
05019B	5.6.2	Providing upto floor two level precast cement concrete jali or grill 1:2:4 mix (1- Cement : 2- coarse sand : 4-graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia. Mild steel wire including roughening, cleaning, fixing and finishing in cement mortar 1:3 and curing complete. (B) 40mm thick	Sqm	438.90

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
05019C	5.6.2	Providing upto floor two level precast cement concrete jali or grill 1:2:4 mix (1- Cement : 2- coarse sand : 4-graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia. Mild steel wire including roughening,cleaning, fixing and finishing in cement mortar 1:3 and curing complete. (C) 25mm thick	Sqm	464.20
05019D	5.6.2	Providing upto floor two level precast cement concrete jali or grill 1:2:4 mix (1- Cement : 2- coarse sand : 4-graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia. Mild steel wire including roughening,cleaning, fixing and finishing in cement mortar 1:3 and curing complete. (D) 75mm thick	Sqm	513.70
05019E	5.6.2	Providing upto floor two level precast cement concrete jali or grill 1:2:4 mix (1- Cement : 2- coarse sand : 4-graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia. Mild steel wire including roughening,cleaning, fixing and finishing in cement mortar 1:3 and curing complete.(E) 100mm thick	Sqm	534.60
5020	5.6.9	Extra for additional lift for providing and fixing in position precast R.C.C. units above floor two level	Sqm	6.82
05021A	5.7.1	Providing and laying damp proof course 25mm thick cement concrete 1:2:4 (1-Cement : 2 coarse sand : 4 stone aggregate 10 mm nominal size) and curing complete	Sqm	202.40
5022	5.7.5	Extra for providing and mixing water proofing material in Cement concrete in mix proportion recommended by the manufacturers.	Litres or Kg per Quintal of Cement	57.44
05023AA	5.8.1	Providing and laying controlled cement concrete M.150 for curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings,Base of columns and Mass concrete	cu.m	3182.30
05023BA	5.8.1	Providing and laying controlled cement concrete M.150 for curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (B) Walls, from top of foundation level upto floor two level	cu.m	3327.50
05023CA	5.8.1	Providing and laying controlled cement concrete M.150 for curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (C) Slabs, landing, shelves, Balconies, Lintels, Beams, Girders and Cantilever upto floor two level	cu.m	3316.50

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
05023DA	5.8.1	Providing and laying controlled cement concrete M.150 for curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts upto floor two level.	cu.m	3374.80
05023EA	5.8.1	Providing and laying controlled cement concrete M.150 for curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (E) Staircases excluding landing upto floor two level	cu.m	3920.40
05023KA	5.8.1	Providing and laying controlled cement concrete M.150 for curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (K) Vertical and Horizontal its upto floor two level.	cu.m	3685.00
05024AA	5.8.2	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete	cu.m	3393.50
05024BA	5.8.2	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (B) Walls, from top of foundation level upto floor two level	cu.m	3671.80
05024CA	5.8.2	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (C) Slabs,landing,shelves,Balconies Lintels, Beams, Girders and Cantilever upto floor two level.	cu.m	3661.90
05024DA	5.8.2	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts upto floor two level.	cu.m	3720.20
05024EA	5.8.2	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (E) Staircases excluding landing upto floor two level	cu.m	4078.80
05024KA	5.8.2	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (K) Vertical and Horizontal its upto floor two level.	cu.m	3790.60

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
05025AA	5.8.3	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.	cu.m	3703.70
05025BA	5.8.3	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (B) Walls, from top of foundation level upto floor two level	cu.m	3847.80
05025CA	5.8.3	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (C) Slabs,landing,shelves,Balconies, Lintels, Beams, Girders and Cantilever upto floor two level.	cu.m	3836.80
05025DA	5.8.3	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts, upto floor two level.	cu.m	3896.20
05026A	0	Providing and Laying ordinary cement concrete 1:2:4 (1-Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (i) Slabs upto 8cm thickness	cu.m	5732.10
05026B	0	Providing and Laying ordinary cement concrete 1:2:4 (1-Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (ii) Slabs having more than 8 cm and upto 10 cm.thickness	cu.m	5286.60
05026C	0	Providing and Laying ordinary cement concrete 1:2:4 (1-Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (iii) Slabs having more than 10 cm and upto 13 cm. thickness	cu.m	4989.60

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
05026D	0	Providing and Laying ordinary cement concrete 1:2:4 (1-Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (iv) Slabs having more than 13 cm and upto 15 cm.thickness	cu.m	4693.70
05027A	0	Providing and Laying controlled cement concrete M.150 and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (i) Slabs upto 8cm thickness	cu.m	5842.10
05027B	0	Providing and Laying controlled cement concrete M.150 and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (ii) Slabs having more than 8 cm and upto 10 cm.thickness	cu.m	5397.70
05027C	0	Providing and Laying controlled cement concrete M.150 and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (iii) Slabs having more than 10 cm and upto 13 cm. thickness	cu.m	4986.30
05027D	0	Providing and Laying controlled cement concrete M.150 and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (iv) Slabs having more than 13 cm and upto 15 cm.thickness	cu.m	4804.80
05028A	0	Providing and laying ordinary cement concrete 1:2:4 (1-Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (i) Slabs upto 8cm thickness	cu.m	6450.40
05028B	0	Providing and laying ordinary cement concrete 1:2:4 (1-Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (ii) Slabs having more than 8 cm and upto 10 cm.thickness	cu.m	5861.90

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
05028C	0	Providing and laying ordinary cement concrete 1:2:4 (1-Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (iii) Slabs having more than 10 cm and upto 13 cm. thickness	cu.m	5354.80
05028D	0	Providing and laying ordinary cement concrete 1:2:4 (1-Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (iv) Slabs having more than 13 cm and upto 15 cm.thickness	cu.m	5077.60
05029A	0	Providing and laying controlled cement concrete M.150 and exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (i) Slabs upto 8cm thickness	cu.m	6561.50
05029B	0	Providing and laying controlled cement concrete M.150 and exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.Cwork in (ii) Slabs having more than 8 cm and upto 10 cm.thickness	cu.m	5973.00
05029C	0	Providing and laying controlled cement concrete M.150 and exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.Cwork in (iii) Slabs having more than 10 cm and upto 13 cm. thickness	cu.m	5428.50
05029D	0	Providing and laying controlled cement concrete M.150 and exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.Cwork in (iv) Slabs having more than 13 cm and upto 15 cm.thickness	cu.m	5188.70
5030	0	Providing and laying ordinary cement concrete 1:2:4 (1-Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) for R.C.C lintel including finishing smooth with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement.	cu.m	6422.90

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
05031A1	0	Providing and laying ordinary cement concrete 1:2:4 (1-Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) and finishing smooth with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (A) BEAMS :(i) Having cross-sectional area 0.05 to 0.08 Sq.M	cu.m	6042.30
05031A2	0	Providing and laying ordinary cement concrete 1:2:4 (1-Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) and finishing smooth with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (A) BEAMS :(ii) Having cross-sectional area more than 0.08Sq.M and upto 0.12 Sq.M	cu.m	5535.20
05031A3	0	Providing and laying ordinary cement concrete 1:2:4 (1-Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) and finishing smooth with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (A) BEAMS :(iii) Having cross-sectional area more than 0.12Sq.M and upto 0.18 Sq.M	cu.m	4940.10
05031B1	0	Providing and laying ordinary cement concrete 1:2:4 (1-Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) and finishing smooth with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (B) COLUMNS: (i) Having cross-sectional area 0.05 to 0.08 Sq.M	cu.m	7409.60
05031B2	0	Providing and laying ordinary cement concrete 1:2:4 (1-Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) and finishing smooth with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (B) COLUMNS: (ii) Having cross-sectional area more than 0.08 Sq.M and upto 0.18 Sq.M	cu.m	6627.50
05031B3	0	Providing and laying ordinary cement concrete 1:2:4 (1-Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) and finishing smooth with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (B) COLUMNS: (iii) Having cross-sectional area more than 0.12Sq.M and upto 0.18 Sq.M	cu.m	5712.30

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
05032A1	0	Providing and laying ordinary cement concrete M.150exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (A) BEAMS :(i) Having cross-sectional area 0.05 to 0.08 Sq.M	cu.m	7207.20
05032A2	0	Providing and laying controlled cement concrete M.150exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (A) BEAMS :(ii) Having cross-sectional area more than 0.08Sq.M and upto 0.12 Sq.M	cu.m	6488.90
05032A3	0	Providing and laying controlled cement concrete M.150exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (A) BEAMS :(iii) Having cross-sectional area more than 0.12Sq.M and upto 0.18 Sq.M	cu.m	5646.30
05032B1	0	Providing and laying controlled cement concrete M.150exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (B) COLUMNS:(i) Having cross-sectional area 0.05 to 0.08 Sq.M	cu.m	8615.20
05032B2	0	Providing and laying controlled cement concrete M.150exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in(B) COLUMNS:(ii) Having cross-sectional area more than 0.08 Sq.M and upto 0.18 Sq.M	cu.m	7623.00
05032B3	0	Providing and laying controlled cement concrete M.150exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in(B) COLUMNS:(iii) Having cross-sectional area more than 0.12Sq.M and upto 0.18 Sq.M	cu.m	6459.20
05033A1	0	Providing and laying controlled cement concrete M.200 exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in(A) BEAMS :(i) Having cross-sectional area 0.05 to 0.08 Sq.M	cu.m	7629.60
05033A2	0	Providing and laying controlled cement concrete M.200 exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (A) BEAMS :(ii) Having cross-sectional area more than 0.08Sq.M and upto 0.12 Sq.M	cu.m	6910.20

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
05033A3	0	Providing and laying controlled cement concrete M.200 exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (A) BEAMS :(iii) Having cross-sectional area more than 0.12Sq.M and upto 0.18 Sq.M	cu.m	6068.70
05033B1	0	Providing and laying controlled cement concrete M.200 exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (B) COLUMNS:(i) Having cross-sectional area 0.05 to 0.08 Sq.M	cu.m	9036.50
05033B2	0	Providing and laying controlled cement concrete M.200 exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (B) COLUMNS:(ii) Having cross-sectional area more than 0.08 Sq.M and upto 0.18 Sq.M	cu.m	8044.30
05033B3	0	Providing and laying controlled cement concrete M.200 exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (B) COLUMNS:(iii) Having cross-sectional area more than 0.12Sq.M and upto 0.18 Sq.M	cu.m	6881.60
05034A1	0	Providing and laying controlled cement concrete M.250 exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (A) BEAMS :(i) Having cross-sectional area 0.05 to 0.08 Sq.M	cu.m	7843.00
05034A2	0	Providing and laying controlled cement concrete M.250 exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (A) BEAMS :(ii) Having cross-sectional area more than 0.08Sq.M and upto 0.12 Sq.M	cu.m	7124.70
05034A3	0	Providing and laying controlled cement concrete M.250 exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (A) BEAMS :(iii) Having cross-sectional area more than 0.12Sq.M and upto 0.18 Sq.M	cu.m	6282.10
05034B1	0	Providing and laying controlled cement concrete M.250 exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (B) COLUMNS:(i) Having cross-sectional area 0.05 to 0.08 Sq.M	cu.m	9251.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
05034B2	0	Providing and laying controlled cement concrete M.250 exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (B) COLUMNS:(ii) Having cross-sectional area more than 0.08 Sq.M and upto 0.18 Sq.M	cu.m	8258.80
05034B3	0	Providing and laying controlled cement concrete M.250 exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (B) COLUMNS: (iii) Having cross-sectional area more than 0.12Sq.M and upto 0.18 Sq.M	cu.m	7096.10
5035	0	Providing and applying anticorrosive treatment with polymer base materials to the steel reinforcement including descaling the dust and applying the preventive coating of approved make (for the R.C.C. structures near coastal area only) etc complete.	MT	2671.90
5047		Providing and fixing in expansion joint 100 mm thick expansion joint board of best quality and approved make including cutting to required size and shape at all levels etc. complete as directed.	Sqm	3484.50
5048		Providing and laying and fixing 50 mm thick expansion joint by hydro cell semi rigid UV resistance with high performance laminated closed cell polythene foam joint filler in sheet foam as directed, etc. complete.	Sqm	1742.25
5049		Providing and laying and fixing 25 mm thick expansion joint by hydro cell semi rigid UV resistance with high performance laminated closed cell polythene foam joint filler in sheet foam as directed, etc. complete.	Sqm	871.13
5050		Applying and providing Expansion joint sealing System on 100 mm wide joint including cleaning of expansion joint by mechanical means provision of adhesive and flexible membrane with required bond length as per manufacturer specification and 4mm thick aluminium strip covering with one side slotted and bolted with suitable system, inclusive of all manpower, machinery and material as per specification and as directed.	Sqm	5575.20

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
5051		Providing and filling the expansion joint by polymer confirm to BS 4254-1983 as per required shade and specifi-cation by making groove of 50 mm x 12.5 mm lather by cutting or by repairing groove and removing mortar drop or any other foreign materials including applying primer and filling required size (oversize of joint PU foam etc. complete.	Sqm	602.14
5052		Providing and filling the expansion joint by polymer confirm to BS 4254-1983 as per required shade and manufactured specifi-cation by making groove of 25 mm x 12.5 mm lather by cutting or by repairing groove and removing mortar drop or any other foreign materials including applying primer and filling required size (oversize of joint PU foam etc. complete	Sqm	319.75
5053		Providing and fixing 25 cm Wide & 3mm thick exterior composite panel on existing expansion joint horizontally & vertically with all material, hardware, acessories & fittings etc completed.	Sqm	1231.80
5054		Providing and laying in position Ready Mixed M-150 grade concrete for reinforced cement conctere work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained)	cu.m	3554.96

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
5055		Providing and laying in position Ready Mixed M-200 grade concrete for reinforced cement concrete work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained)	cu.m	4457.79
5056		Providing and laying in position Ready Mixed M-250 grade concrete for reinforced cement concrete work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) (Cement level 450 kg)	cu.m	4567.05

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
5057		Providing and laying in position Ready Mixed M-300 grade concrete for reinforced cement concrete work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) (Cement level 475 kg)	cu.m	4800.92
5058		Providing and laying in position Ready Mixed M-350 grade concrete for reinforced cement concrete work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) (Cement level 500 kg)	cu.m	4920.49

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
5059		Providing and applying anti carbonation, anti fading, mold resistant, heat insulating, and 100% acrylic breathable decorative external waterproof coating of approved shade having Viscosity @ Room Temperature by Ford cup No. B-4 (dilute 2 parts of product with 1 part of water) 18 to 30 sec. pH of 7.00 to 10.00 and Sp. Gravity @ Room Temperature 1.30+0.1, tested for carbon dioxide diffusion resistance properties for coating materials and coating systems for exterior masonry and concrete as per DIN EN 1062-6 (2002-2010) by a NBA Grade "A" accredited institution.	Sqm	76.12
5060		Providing and fixing premoulded compressible filler board in black colour confirming to MoRT&H Specifications (Clause 1015), having minimum density 95kg/cum, non-staining with less than 1% water absorption & compression recovery of 93% minimum as per specification for 12 mm wide expansion joint including cutting to required size and shape at all levels etc.complete as directed.	Sqm	558.00
5061		Providing and fixing premoulded compressible filler board in black colour confirming to MoRT&H Specifications (Clause 1015), having minimum density 95kg/cum. non-staining with less than 1% water absorption & compression recovery of 93% minimum as per specification for 20 mm wide expansion joint including cutting to required size and shape at all levels etc.complete as directed.	Sqm	804.61
5062		Providing and fixing premoulded compressible filler board in black colour confirming to MoRT&H Specifications (Clause 1015), having minimum density 95kg/cum. non-staining with less than 1% water absorption & compression recovery of 93% minimum as per specification for 40 mm wide expansion joint including cutting to required size and shape at all levels etc.complete as directed.	Sqm	1421.13
5063		Providing and applying the elastomeric joint sealant two component, high performance polysulfide formulation conforming to BS:4254 and ASTM C 920 having weathering resistance to ultra-violet rays and shall exhibit shore A hardness of 25 and have movement accommodation factor 25% including using of compatible primer of approved standard etc. complete. for 12 mm thick joint	Rmt	166.76

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
5064		Providing and applying the elastomeric joint sealant two component, high performance polysulfide formulation conforming to BS:4254 and ASTM C 920 having weathering resistance to ultra-violet rays and shall exhibit shore A hardness of 25 and have movement accommodation factor 25% including using of compatible primer of approved standard etc. complete. For 20 mm thick joint	Rmt	250.80

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 6 BRICK WORK				
06001AA	6.12	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:5. (1- Cement : 5 -fine sand)(A) Modular	cu.m	3135.00
06001BA	6.12	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:5. (1- Cement : 5 -fine sand)(B) Conventional	cu.m	2874.30
06001CA	6.12	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:5. (1- Cement : 5 -fine sand)(C) Fly Ash Bricks	cu.m	3220.80
06002AA	6.13	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:6 (1- Cement : 6 -fine sand)(A) Modular	cu.m	3011.80
06002BA	6.13	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:6 (1- Cement : 6 -fine sand)(B) Conventional	cu.m	2803.90
06002CA	6.13	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:6 (1- Cement : 6 -fine sand)(C) Fly Ash Bricks	cu.m	3150.40
06003AA	0	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:8 (1- Cement : 8 -fine sand)(A) Modular	cu.m	2957.90
06003BA	0	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:8 (1- Cement : 8 -fine sand)(B) Conventional	cu.m	2741.20
06003CA	0	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:8 (1- Cement : 8 -fine sand)(C) Fly Ash Bricks	cu.m	3087.70
06004AA	0	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Lime Mortar 1:1.5 (1- Lime putty :1.5 -fine sand)(A) Modular	cu.m	2940.30

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
06004BA	0	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Lime Mortar 1:1.5 (1- Lime putty :1.5 -fine sand)(B) Conventional	cu.m	2721.40
06004CA	0	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Lime Mortar 1:1.5 (1- Lime putty :1.5 -fine sand)(C) Fly Ash Bricks	cu.m	3069.00
06005AA	0	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Lime Mortar 1: 2 (1- Lime putty : 2 -fine sand)(A) Modular	cu.m	2917.20
06005BA	0	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Lime Mortar 1: 2 (1- Lime putty : 2 -fine sand)(B) Conventional	cu.m	2695.00
06005CA	0	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Lime Mortar 1: 2 (1- Lime putty : 2 -fine sand)(C) Fly Ash Bricks	cu.m	3041.50
06006A	6.19	Extra for brick work in superstructure above plinth level upto floor two level (A) Modular	cu.m	169.40
06006B	6.19	Extra for brick work in superstructure above plinth level upto floor two level (B) Conventional	cu.m	177.10
06006C	6.19	Extra for brick work in superstructure above plinth level upto floor two level(C) Fly Ash Bricks	cu.m	177.10
06007A1A	6.2	Extra for brick work in superstructure above floor two level Item No. 1(6.12) (A) Modular	per floor per cu.m	32.50
06007A2A	6.2	Extra for brick work in superstructure above floor two level Item No. 1(6.12) (B) Conventional	per floor per cu.m	28.71
06007A3A	6.2	Extra for brick work in superstructure above floor two level Item No. 1(6.12) (C) Fly Ash Bricks	per floor per cu.m	34.30
06007B1A	6.2	Extra for brick work in superstructure above floor two level Item No. 2(6.13) (A) Modular	per floor per cu.m	31.86
06007B2A	6.2	Extra for brick work in superstructure above floor two level Item No. 2(6.13) (B) Conventional	per floor per cu.m	29.79
06007B3A	6.2	Extra for brick work in superstructure above floor two level Item No. 2(6.13) (C) Fly Ash Bricks	per floor per cu.m	33.54
06007C1A	6.2	Extra for brick work in superstructure above floor two level Item No. 3 (A) Modular	per floor per cu.m	31.25
06007C2A	6.2	Extra for brick work in superstructure above floor two level Item No. 3 (B) Conventional	per floor per cu.m	29.12

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
06007C3A	6.2	Extra for brick work in superstructure above floor two level Item No. 3 (C) Fly Ash Bricks	per floor per cu.m	32.87
06007D1A	6.2	Extra for brick work in superstructure above floor two level Item No. 4 (A) Modular	per floor per cu.m	31.08
06007D2A	6.2	Extra for brick work in superstructure above floor two level Item No. 4 (B) Coventional	per floor per cu.m	28.92
06007D3A	6.2	Extra for brick work in superstructure above floor two level Item No. 4 (C) Fly Ash Bricks	per floor per cu.m	32.68
06007E1A	6.2	Extra for brick work in superstructure above floor two level Item No. 5 (A) Modular	per floor per cu.m	30.82
06008A1A	6.3	(i) Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:4 (1- Cement : 4 -coarse sand) in foundation and plinth (A) Modular	Sqm	398.20
06008A2A	6.3	(i) Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:4 (1- Cement : 4 -coarse sand) in foundation and plinth (B) Conventional	Sqm	404.80
06008A3A	6.3	(i) Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:4 (1- Cement : 4 -coarse sand) in foundation and plinth (C)Fly Ash Bricks	Sqm	445.50
06008B1A	6.3	(ii) Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:5 (1- Cement : 5 -coarse sand) in foundation and plinth (A) Modular	Sqm	390.50
06008B2A	6.3	(ii) Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:5 (1- Cement : 5 -coarse sand) in foundation and plinth (B) Conventional	Sqm	396.00
06008B3A	6.3	(ii) Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:5 (1- Cement : 5 -coarse sand) in foundation and plinth (C)Fly Ash Bricks	Sqm	436.70
06008C1A	6.3	(iii) Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Lime mortar 1:1.5 (1- Lime : 1.5 -coarse sand) in foundation and plinth (A) Modular	Sqm	374.00

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06008C2A	6.3	(iii) Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Lime mortar 1:1.5 (1- Lime : 1.5 -coarse sand) in foundation and plinth (B) Conventional	Sqm	378.40
06008C3A	6.3	(iii) Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Lime mortar 1:1.5 (1- Lime : 1.5 -coarse sand) in foundation and plinth (C)Fly Ash Bricks	Sqm	419.10
06008E2A	6.2	Extra for brick work in superstructure above floor two level Item No. 5 (B) Coventional	cu.m	28.71
06009AA	6.31	Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:3 (1-Cement : 3-coarse sand) with 2 Nos of 6mm Mild steel round bars after every three course embedded in Cement Mortar in foundation and plinth (A) Modular	Sqm	441.10
06009BA	6.31	Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:3 (1-Cement : 3-coarse sand) with 2 Nos of 6mm Mild steel round bars after every three course embedded in Cement Mortar in foundation and plinth (B) Conventional	Sqm	449.90
06009CA	6.31	Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:3 (1-Cement : 3-coarse sand) with 2 Nos of 6mm Mild steel round bars after every three course embedded in Cement Mortar in foundation and plinth (C)Fly Ash Bricks	Sqm	490.60
06009E3A	6.2	Extra for brick work in superstructure above floor two level Item No. 5 (C) Fly Ash Bricks	cu.m	30.36
06010A	6.32	Extra for half brick masonry in superstructure above plinth level upto floor two level. (A) Modular	Sqm	31.24
06010B	6.32	Extra for half brick masonry in superstructure above plinth level upto floor two level. (B) Conventional	Sqm	34.21
06010C	6.32	Extra for half brick masonry in superstructure above plinth level upto floor two level. (C)Fly Ash Bricks	Sqm	34.21
06011AA	6.33	Extra for half brick masonry in superstructure above floor two level. (A) Modular	Sqm	4.39
06011BA	6.33	Extra for half brick masonry in superstructure above floor two level.(B) Conventional	Sqm	4.46

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06011CA	6.33	Extra for half brick masonry in superstructure above floor two level. (C) Fly Ash Bricks	Sqm	4.91
06012AA	6.55	Half brick thick honey- comb brick work with common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. (i) In Cement Mortar 1:4 (1-Cement : 4 - coarse sand)	Sqm	212.30
06012BA	6.55	Half brick thick honey- comb brick work with common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. (ii) In Cement Mortar 1:5 (1-Cement : 5 - coarse sand)	Sqm	206.80
06012CA	6.55	Half brick thick honey- comb brick work with common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. (iii) Fly Ash Brick In Cement Mortar 1:5 (1-Cement : 5 - coarse sand)	Sqm	231.00
6014		Masonry work using Aerated light weight concrete block having crushing strength not less than 35 kg/sqcm for super structure above plinth level upto floor two level in cement mortar 1:5 (1 cement : 5 fine sand) complete as per Technical Specification	cu.m	4854.12
6015		Providing and laying Precast Lightweight concrete hollow core wall with hollow core concrete unit of approved make & size of 92 mm thick, 600 mm wide and 2400 mm / 2600 mm / 2850 mm / 3000 mm / 3300 mm in length made from of controlled cement concrete M20 having cube compressive strength not less than 20 MPa jointing with high strength & tensile adhesion non-shrink cementitious joint compound / P.U. Foam. (Plaster not required)	Sqm	747.00
6016		Providing and laying Precast Lightweight concrete hollow core wall with hollow core concrete unit of approved make & size of 120 mm thick, 600 mm wide and 2400 mm / 2600 mm / 2850 mm / 3000 mm / 3300 mm in length made from of controlled cement concrete M20 having cube compressive strength not less than 20 MPa jointing with high strength & tensile adhesion non-shrink cementitious joint compound / P.U. Foam. (Plaster not required)	Sqm	842.00

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6017		Providing and laying Precast Regular concrete hollow core wall with hollow core concrete unit of approved make & size of 92 mm thick, 600 mm wide and 2400 mm / 2600 mm / 2850 mm / 3000 mm / 3300 mm in length made from of controlled cement concrete M35 having cube compressive strength not less than 35 MPa jointing with high strength & tensile adhesion non-shrink cementitious joint compound / P.U. Foam. (Plaster not required)	Sqm	777.00
6018		Providing and laying Precast Regular concrete hollow core wall with hollow core concrete unit of approved make & size of 120 mm thick, 600 mm wide and 2400 mm / 2600 mm / 2850 mm / 3000 mm / 3300 mm in length made from of controlled cement concrete M35 having cube compressive strength not less than 35 MPa jointing with high strength & tensile adhesion non-shrink cementitious joint compound / P.U. Foam. (Plaster not required)	Sqm	875.00

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CHAPTER- 7 STONE MASONRY				
07001AA	7.6	(i) Uncoursed Rubble Masonry with hard stone of approved quality in foundations and plinth in Cement Mortar 1:6 (1-cement : 6-coarse sand including levelling up etc. complete	cu.m	1854.97
07001BA	7.6	(ii) Uncoursed Rubble Masonry with hard stone of approved quality in foundations and plinth in Cement Mortar 1:5 (1-cement : 5-coarse sand including levelling up etc. complete	cu.m	1959.41
07001CA	7.6	(iii) Uncoursed Rubble Masonry with hard stone of approved quality in foundations and plinth in Lime Mortar 1:1.5 (1-Lime : 1.5-coarse sand including levelling up etc. complete	cu.m	1735.60
7002	7.8	Extra over Item 7.6 for super structure above plinth level upto floor two level	cu.m	235.40
07003A	7.9	Extra for additional lift in superstructure above floor two level.	cu.m	18.55
07004A	7.17 A	Coursed rubble masonry with hard stone of approved quality in foundations and plinth in Cement Mortar 1:6 (1-Cement : 6-coarse sand) etc. complete.	cu.m	2387.94
07005AA	7.17 B	Coursed rubble masonry with stone of approved quality in foundations and plinth in Cement Mortar 1:5 (1-Cement : 5-coarse sand) etc. complete.	cu.m	2482.89
07005BA	7.17 C	Coursed rubble masonry with stone of approved quality in foundations and plinth in Cement Mortar 1:4 (1-Cement : 4-coarse sand) etc. complete.	cu.m	2587.28
07005CA	7.17 D	Coursed rubble masonry with stone of approved quality in foundations and plinth in Cement Mortar 1:3 (1-Cement : 3-coarse sand) etc. complete.	cu.m	2781.17
7006	7.19	Extra over item No. 7.17 for superstructure above plinth level upto floor two level	Per floor per cu.m	220.00
07007A	7.2	Extra for additional lift in superstructure above floor two level.	Per floor per cu.m	27.48
07008A	0	White Stone Bela mesonry block in course in superstructure with stone of approved quality in Lime Mortar 1:1.5 (1-Lime putty : 1.5- finesand) including packing the joints etc. complete.	cu.m	3385.99
07009A	0	White Stone Bela mesonry work in partition walls upto 15 cm thickness in cement Mortar 1:4 (1- Cement : 4-course sand)	Sqm	443.95
07010A	0	White Stone Bela mesonry block in course in superstructure with stone of approved quality in Lime Mortar 1:5 (1-Cement :5- course sand) including packing the joints etc. complete.	cu.m	4180.67

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
07011A	0	White Stone Bela masonry block in course in superstructure with stone of approved quality in Lime Mortar 1:6 (1-Cement : 6- course sand) including packing the joints etc. complete.	cu.m	4114.20
07012A	7.75	Precast concrete block masonry (including quoin blocks jamb blocks closer etc.) with solid concrete blocks of approved size made of cement concrete 1:3:6 mix (1-Cement : 3 coarse sand: 6- graded stone aggregates of 20 mm and down grade) in foundation and plinth cement mortar 1:6	cu.m	2718.10
7013	7.93	Extra for masonry work with precast concrete block in superstructure above plinth upto floor two level.	cu.m	177.10
07014A	7.82	Precast concrete block masonry in partition walls 10 cm. thick with solid block of approved size (including quoin blocks Jamb blocks closer etc.) made of C.C.1:3:6 (1-Cement : 3- coarse sand : 6 graded stone aggregates 20 mm and down grade) (A) in C.M. 1:4.	Sqm	512.60
7015	0	Providing and laying hollow block masonry 90 mm thick using hollow concrete blocks IS 2185 (Part-I) grade B (5.0) with Cement Mortar 1:4 laying in perfect line level and plinth preparing grading the joints incl. the cost of scaffolding and curing etc. (A) Block masonry in 1:1:8 cement lime mortar	Sqm	300.30
7016	0	Providing and laying hollow block masonry 140 mm thick using follow blocks masonry IS 2185 (Part-I) grade B (5.0) with Cement Mortar 1:4 laying in perfect line level and plint propering groding the joints ind. the cast of seaffolding and quiring etc . (A) Block masonry in 1:1:8 cement lime mortar	Sqm	375.10
7017	0	Providing and laying hollow block masonry 190 mm thick using follow blocks masonry IS 2185 (Part-I) grade B (5.0) with Cement Mortar 1:4 laying in perfect line level and plint propering groding the joints ind. the cast of seaffolding and quiring etc (A) Block masonry in 1:1:8 cement lime mortar	Sqm	430.10

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CHAPTER- 9 FORM WORK				
09001AA	9.1	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (A) Foundations Footings Bases of Columns etc. and Mass concrete.	Sqm	113.40
09001B1A	9.1	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (B) Flat surfaces such as soffits of supspened floors slabs Landings and the like. (1) Floors etc. upto 200 mm in thickness.	Sqm	165.90
09001B2A	9.1	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (B) Flat surfaces such as soffits of suspended floor roof slabs Landings and the like. (2) Floors etc. above 200mm in thickness.	Sqm	179.55
09001CA	9.1	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (C) Vertical surface such as walls (any thickness) partitions and the like including attached buttresses & string course & the like.	Sqm	155.40
09001G1A	9.1	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (G) Columns Pillars Posts and struts. (1) Square Rectangular Polygonal in plan.	Sqm	198.45

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09001G2A	9.1	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (G) Columns Pillars Posts and struts. (2) Circular or curved in Plan.	Sqm	256.20
09001H1A	9.1	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (H) (1) Sides and soffits of Beams Beam Haunchings cantilevers Girders Bressumers and Lintels not exceeding 1 M. in Depth.	Sqm	129.15
09001H2A	9.1	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (H) (2) Sides and soffits of Beams Beam Haunchings cantilevers Girders Bressumers and Lintels exceeding 1M.in Depth.	Sqm	172.20
09001IA	9.1	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (I) Edges of slabs and Breaks in floors and walls.	Sqm	44.42
09001KA	9.1	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (K) Small surface as such as cantilever brackets and ends of steps caps and bases to pilasters and Columns and the like.	Sqm	360.15

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09001LA	9.1	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (L) Chullah Hoods, weather shades Chhajjas Corbels etc. including edges.	Sqm	113.40
09001MA	9.1	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (M) Staircase with sloping or stepped soffits including risers and stringers excluding landing.	Sqm	160.65
09001QA	9.1	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (Q) Vertical fins and vertical sun breakers.	Sqm	254.10
09002AA	9.2	Extra for additional height of propping and centering where the height of propping and centering exceeds 4 .0 M between supporting floor to ceiling including temporary brick or stone pillars for supporting as required. (i)Height more than 4.0 M.and upto 5.0 M.	Sqm	267.75
09002BA	9.2	Extra for additional height of propping and centering where the height of propping and centering exceeds 4 .0 M between supporting floor to ceiling including temporary brick or stone pillars for supporting as required. (ii) Height more than 5.0 M.and upto 6.0 M.	Sqm	521.85
09002CA	9.2	Extra for additional height of propping and centering where the height of propping and centering exceeds 4 .0 M between supporting floor to ceiling including temporary brick or stone pillars for supporting as required. (iii) Height more than 6.0 M. and upto 7.0 M	Sqm	375.90
09003AA	9.7	Extra for Providing formwork with sheathing steel sheets so as to give a fair finish in (A) Foundations, Footings, Bases of Columns etc. and Mass concrete	Sqm	69.62

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09003B1A	9.7	Extra for Providing formwork with sheathing steel sheets so as to give a fair finish in (B) Flat surfaces such as soffits of slabs Landings and the like. (1) Floors etc. upto 200mm in thickness.	Sqm	69.62
09003B2A	9.7	Extra for Providing formwork with sheathing steel sheets so as to give a fair finish in (B) Flat surfaces such as soffits of slabs Landings and the like. 2) Floors etc. above 200mm in thickness.	Sqm	69.62
09003CA	9.7	Extra for Providing formwork with sheathing steel sheets so as to give a fair finish in (C) Vertical surface such as walls (any thickness) partitions & lime including attached pilasters buttresses plinth & string course & like.	Sqm	69.62
09003G1A	9.7	Extra for Providing formwork with sheathing steel sheets so as to give a fair finish in (G) Columns, Pillars, Posts and struts. (1) Square, Rectangular or polygonal in plan.	Sqm	69.62
09003G2A	9.7	Extra for Providing formwork with sheathing steel sheets so as to give a fair finish in (G) Columns, Pillars, Posts and struts. (2) Circular or curved in plan	Sqm	69.62
09003H1A	9.7	Extra for Providing formwork with sheathing steel sheets so as to give a fair finish in (H) (1) Sides and soffits of Beams, Beam Haunchings cantilevers Girders, Bressumers and Lintels not exceeding 1 M. in Depth.	Sqm	69.62
09003H2A	9.7	Extra for Providing formwork with sheathing steel sheets so as to give a fair finish in (H) (2) Sides and soffits of Beams, Beam Haunchings cantilevers Girders, Bressumers and Lintels exceeding 1 M. in Depth.	Sqm	69.62
09003IA	9.7	Extra for Providing formwork with sheathing steel sheets so as to give a fair finish in (I) Edges of slabs and Breaks in floors and walls.	Sqm	69.62
09003KA	9.7	Extra for Providing formwork with sheathing steel sheets so as to give a fair finish in (K) Small surfaces such as cantilever ends Brackets and end of steps caps and bases to pilasters and Columns including edges.	Sqm	69.62
09003LA	9.7	Extra for Providing formwork with sheathing steel sheets so as to give a fair finish in (L) Chullah Hoods weather Shades Chhajjas Corbels etc. and the like.	Sqm	69.62
09003MA	9.7	Extra for Providing formwork with sheathing steel sheets so as to give a fair finish in (M) Staircase with sloping or stepped soffits including sisers and stringers excluding landing.	Sqm	69.62

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
09003QA	9.7	Extra for Providing formwork with sheathing steel sheets so as to give a fair finish in (Q)Vertical fins and vertical sun breakers.	Sqm	69.62

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CHAPTER- 10 WOOD WORK & JOINERY				
10001A	10.1	Providing wood work in frames of Doors, windows clear story windows and othersimilar works wrought, framed and fixed in position. (A) Indian Teak Wood	10 Cu.Dm.	692.46
10002A	10.4	Providing wood work in Trusses, Purling, Rafter, Post,Post Plates, wall plates and the like wrought framed, hoisted and fixed in position	Cu.Dm.	968.10
10003A	10.5	Providing wood work in frames of false- ceiling, partitions etc sawn and put up in position. (A) Indian Teak Wood	Cu.Dm.	725.02
10004AA	10.12	Providing and fixing 35 mm thick shutters for Doors, windows and clear story windows including anodised alluminium butt hinges with necessary screws.(A) Indian Teak Wood (1) Fully Panelled	Cu.Dm.	3230.85
10004BA	10.12	Providing and fixing 35 mm thick shutters for Doors, windows and clear story windows including anodised alluminium butt hinges with necessary screws. (A) Indian Teak Wood (ii) Fully Glazed.	Sqm	2381.40
10004CA	10.12	Providing and fixing 35 mm thick shutters for Doors, windows and clear story windows including anodised alluminium butt hinges with necessary screws. (A) Indian Teak Wood(iii) Partly panelled and partly glazed.	Sqm	2806.65
10005AA	10.13	Providing and fixing 35 mm thick shutters for Doors, windows and clearstory windows including blackenamelled M.S. butt hinges with necessary screws. (A) Indian teak wood. (i) Fully Panelled.	Sqm	3162.60
10005BA	10.13	Providing and fixing 35 mm thick shutters for Doors, windows and clearstory windows including blackenamelled M.S. butt hinges with necessary screws. (A) Indian teak wood. (ii) Fully Glazed.	Sqm	2313.15
10005CA	10.13	Providing and fixing 35 mm thick shutters for Doors, windows and clearstory windows including blackenamelled M.S. butt hinges with necessary screws. (A) Indian teak wood. (iii) Partly panelled and partly glazed.	Sqm	2737.35
10006AA	10.15	Providing and fixing 25 mm thick shutters for cupboards etc. including anodised alluminium butt hinges with necessary screws. (A) Indian teak wood. (i) Fully Panelled.	Sqm	2438.10
10006BA	10.15	Providing and fixing 25 mm thick shutters for cupboards etc. including anodised alluminium butt hinges with necessary screws. (A) Indian teak wood. (ii) Fully Glazed.	Sqm	1905.75

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10006CA	10.15	Providing and fixing 25 mm thick shutters for cupboards etc. including anodised aluminium butt hinges with necessary screws. (A) Indian teak wood. (iii) Partly panelled and partly glazed.	Sqm	2172.45
10007AA	10.16	Providing and fixing 25 mm thick shutters for cupboards etc. including black enamelled M.S. butt hinges with necessary screws. (A) Indian teak wood. (i) Fully Panelled.	Sqm	2427.60
10007BA	10.16	Providing and fixing 25 mm thick shutters for cupboards etc. including black enamelled M.S. butt hinges with necessary screws. (A) Indian teak wood. (ii) Fully Glazed.	Sqm	1895.25
10007CA	10.16	Providing and fixing 25 mm thick shutters for cupboards etc. including black enamelled M.S. butt hinges with necessary screws. (A) Indian teak wood. (iii) Partly panelled and partly glazed.	Sqm	2161.95
10008A	0	Add extra for providing and fixing 40 mm thick shutters instead of 35 mm thick shutters.	Sqm	237.19
10009AA	10.23	Providing and fixing 35 mm thick panelled ,glazed or panelled and glazed shutters, for Doors windows and clearstory windows including anodised aluminium But hinges with necessary screws and indian teak wood shutters with. (A) Plywood sheet panels.	Sqm	2681.70
10009BA	10.23	Providing and fixing 35 mm thick panelled ,glazed or panelled and glazed shutters, for Doors windows and clearstory windows including anodised aluminium But hinges with necessary screws and indian teak wood shutters with. (B) Particle board panels	Sqm	2689.05
10009CA	10.23	Providing and fixing 35 mm thick panelled ,glazed or panelled and glazed shutters, for Doors windows and clearstory windows including anodised aluminium But hinges with necessary screws and indian teak wood shutters with. (C) Hard board panels.	Sqm	2650.20
10009DA	10.23	Providing and fixing 35 mm thick panelled ,glazed or panelled and glazed shutters, for Doors windows and clearstory windows including anodised aluminium But hinges with necessary screws and indian teak wood shutters with. (D) Asbestos sheet panels.	Sqm	2656.50
10010AA	10.24	Providing and fixing 35 mm thick panelled ,glazed or panelled and glazed shutters, for Doors windows and clearstory windows including black enamelled M.S. But hinges with necessary screws. (A) Plywood sheet panels.	Sqm	2615.55

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10010BA	10.24	Providing and fixing 35 mm thick panelled ,glazed or panelled and glazed shutters, for Doors windows and clearstory windows including black enamelled M.S. But hinges with necessary screws. (B) Particle board panels	Sqm	2621.85
10010CA	10.24	Providing and fixing 35 mm thick panelled ,glazed or panelled and glazed shutters, for Doors windows and clearstory windows including black enamelled M.S. But hinges with necessary screws. (C) Hard board panels.	Sqm	2583.00
10010DA	10.24	Providing and fixing 35 mm thick panelled ,glazed or panelled and glazed shutters, for Doors windows and clearstory windows including black enamelled M.S. But hinges with necessary screws . (D) Asbestos sheet panels.	Sqm	2589.30
10011	10.3	Providing and fixing flush door shutters, solid core construction with frame of first class hardwood with cross board and face veneer or plywood face panels, including anodised alluminium butt hinges with necessary screws. (B) Non-decorative type and block board core anodised alluminium butt hinges in flush door shutters (2) 35 mm thick.	Sqm	1791.30
10012	10.37	Extra for using bright finished M.S. piano hinges of (A) Nickel plated piano hinges.	Sqm	659.40
10013	10.39	Extra for providing vision panel not exceeding 0.1 Sq.M. in all types of flush doors. (A) Rectangular or Square.	Sqm	15.65
10014A	10.5	Providing and fixing 30 mm wire gauge shutters using galvanised M.S. wire of I.S. gauge designation of 85 G. with wire of 0.56 mm dia,for Doors, windows and clearstory windows including anodised alluminium butt hinges with necessary screws. (A) Indian teak wood.	Sqm	2001.30
10015A	10.5	Providing and fixing 30 mm wire gauge shutters using galvanised M.S. wire of I.S. gauge designation of 85 G. with wire of 0.56 mm dia,for Doors, windows and clearstory windows including bright finished or/ and black enamelede M.S. butt hinges with necessary Mango wood or equivalent quality.	Sqm	1013.25
10016	10.5	Extra for providing and fixing galvanised M.S wire gauge of I.S. gauge designation 140 G,to 000 Rs. windows and cleastory windows with wire of dia 0.71 mm instead of I,S,gauge designation 85 G.with wire of dia.0.56 mm.	Sqm	34.12

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10017	10.7	Providing and fixing 12 mm thick and 100mm wide pelmet of flat pressed 3 layer neneed particle board solid core with 25 mm diametre alluminium curtain Road and brackets including fixing with 25mm x 3mm M.S flat 10cm,long and plugs etc.complete.	Rmt	151.20
10018A	10.8	Providing and fixing 40mm panelled, Glazed or panelled and glazed partitions fixed to frames with iron screws etc. complete with indian teak wood (Frames tobe paid separately)	Sqm	2618.70
10019A	10.9	Providing and fixing Decorative plywood 4mm thick in partitions including fixing to frames with screws etc, complete with 50mm x 12mm teak wood beading (Frames tobe paid separately)	Sqm	640.50
10021A	10.9	Providing and fixing in partitions 4mm thick medium hard board of approved quality including fixing to fames with screws etc, complete with 50mm x 12mm teak wood beading (Frames tobe paid separately)	Sqm	352.80
10022A	11	25 mm thick wooden shelves supported on 40 x 40mm x 6 mm T or L iron brackets fixed at suitable distances but not exceeding 75 cm. apart with Mango wood or equivalent quality.	Sqm	1415.22
10023A	11	40 mm thick wooden shelves supported on 40 x 40mm x 6 mm T or L iron brackets fixed at suitable distances not exceeding 75 cm. apart with Mango wood or equivalent quality.	Sqm	1868.89
10024A	11	Providing and fixing M.S. round or square bars with M.S.flats at required spacing in wooden frames of windows and clerestory windows.	kg	50.72
10025AA	10.1	Providing and fixing M.S. grills of required pattern to wooden frames of windows etc. with M.S. flats at required spacings and frame alround, square or round bars with round headed bolts and nuts or by screws (A) Plain Grill.	kg	68.78
10025BA	10.1	Providing and fixing M.S. grills of required pattern to wooden frames of windows etc. with M.S. flats at required spacings and frame alround, square or round bars with round headed bolts and nuts or by screws. (B) ORNAMENTAL GRILL	kg	102.48
10026A	10.1	Providing and fixing hard drawn steel wire fabric 75mm x 25mm mesh or weight not less than 7.75 kg. per Sq.M. to window frames etc. including 60 x 20mm beading of teak wood.	Sqm	711.90

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10027A	10.1	Providing and fixing Fly proof galvanised M.S. wire gauge of I.S.I gauge designation 85 G. with wire of dia.0.56 mm to windows and celevating windows including 60 x 20mm beading of teak wood.	Sqm	597.45
10028A	10.1	Providing and fixing first class indian teak wood 75mm x 60mm moulded hand rails in straight lengths complete.	Rmt	553.02
10029AA	0	(i) Providing and fixing glazed louvered glass windows and ventilators with teak wood frame 10cm. x 7cm. size including 3 coats of oil painting to wood work etc.complete.	Sqm	3364.20
10029BA	0	(ii) Providing and fixing glazed louvered glass windows and ventilators with teak wood frame 10cm. x 7cm. size including 3 coats of oil painting to wood work etc.complete. with wooden louvers plank 12mm thick	Sqm	3615.15
10030A	0	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 10 cm x 7 cm. size including anodized alluminium fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (i) Fully Glazed.	Sqm	3850.35
10030B	0	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 10 cm x 7 cm. size including anodized alluminium fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (ii) Fully Panelled.	Sqm	4699.80
10030C	0	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 10 cm x 7 cm. size including anodized alluminium fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (iii) Partly panelled and partly glazed.	Sqm	4274.55
10031A	0	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 10 cm x 7 cm. size including black enamelled iron oxidixed fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (i) Fully Glazed.	Sqm	3850.35

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10031B	0	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 10 cm x 7 cm. size including black enamelled iron oxidized fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (ii) Fully Panelled.	Sqm	4699.80
10031C	0	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 10 cm x 7 cm. size including black enamelled iron oxidized fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (iii) Partly panelled and partly glazed.	Sqm	4274.55
10032A	0	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 12 cm x 7 cm. size including anodized aluminium fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (i) Fully Glazed.	Sqm	4084.50
10032B	0	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 12 cm x 7 cm. size including anodized aluminium fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (ii) Fully Panelled.	Sqm	4933.95
10032C	0	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 12 cm x 7 cm. size including anodized aluminium fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (iii) Partly panelled and partly glazed.	Sqm	4509.75
10033A	0	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 12 cm x 7 cm. size including black enamelled iron oxidized fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (i) Fully Glazed.	Sqm	4016.25

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10033B	0	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 12 cm x 7 cm. size including black enamelled iron oxidized fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (ii) Fully Panelled.	Sqm	4933.95
10033C	0	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 12 cm x 7 cm. size including black enamelled iron oxidized fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (iii) Partly panelled and partly glazed.	Sqm	4509.75
10034	0	Add extra for providing and fixing 40mm thick shutters instead of 35 mm thick shutters including oil painting etc. complete.	Sqm	243.60
10035	0	Deduct for providing and fixing 25mm thick shutters instead of 35 mm thick shutters including oil painting etc. complete.	Sqm	396.90
10036		Providing and fixing FRP frame size 125x65 mm and 35mm thick FRP shutter with wood grain raised paneled design finish shutter having extra reinforcement on sides & edges in Gel coat finish. The core of the shutter & frame is to be filled up with injected polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & fixtures. The whole FRP frame & shutter is to be water proof weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with fastener sleeve & aluminium fixtures & fastenings.	Sqm	3823.00
10037		Providing and fixing FRP frame size 100x50 mm and 28mm thick FRP depress panel shutter having extra reinforcement on sides & edges in Gel coat finish. The core of the shutter & frame is to be filled up with injected fire retardant grade polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & fixtures. The whole FRP frame & shutter is to be water proof weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with necessary screws & aluminium fixtures & fastenings & fastener sleeve.	Sqm	3283.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10038		Providing and fixing FRP frame size 125x65 mm and 35mm thick FRP shutter having extra reinforcement on sides & edges in polish finish. The core of the shutter & frame is to be filled up with injected polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & finitues. The whole FRP frame & shutter is to be water proof weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with necessary screws & alluminium S.S fixtures & fastenings & fastener sleeve.	Sqm	4363.00
10039		Providing and fixing FRP of 28mm thick Fibre Glass shutter with 1.5 to 2.0 mm thick fire retardent grade FRP skin in depressed panel design having extra reinforcement on sides & edges & in Gel coat finish. The core of the shutter is to be filled up with injected retardent grade polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & finitues. The whole FRP frame & shutter is to be water proof ,weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with necessary screws & alluminium S.S fixtures & fastenings & fastener sleeve.	Sqm	2293.00
10040		Providing and fixing FRP of 35mm thick Fiber Glass shutter with 1.5 to 2.0 mm thick fire retardent grade FRP skin in depressed panel design having extra reinforcement on sides & edges & in Gel coat finish. The core of the shutter is to be filled up with injected retardent grade polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & finitues. The whole FRP frame & shutter is to be water proof ,weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with necessary screws & alluminium fixtures & fastenings.	Sqm	2778.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10041		Supply of 35mm thick Fiber Glass shutter with 1.5 to 2.0 mm thick fire retardent grade FRP skin in wood grain rasied panel design having extra reinforcement on sides & edges & in polish design finish. The core of the shutter is to be filled up with injected retardent grade polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & fintures. The whole shutter is to be water proof ,weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with necessary screws & alluminium S.S finish fixtures & fastenings.	Sqm	3339.00
10042		Providing and fixing windown shutter of 75x30 mm size with 4mm fully glazed panels with PVC batten main farne size having 1.5 to 2.0 mm thick fire retardent grade FRP shutter having extra reinforcement on sides & edges in polish finish. The core of the shutter & frame is to be filed up with injected polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & fintures. The whole FRP frame & shutter is to be water proof weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with necessary screws & alluminium S.S fixtures & fastenings & fastener sleeve.	Sqm	3755.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10043		Providing and fixing 30mm thick FACTORY MADE SOLID PANEL PVC DOOR SHUTTER consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for stiles and 15mm x 15 mm for top and bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture, M.S. frame shall be covered with 5 mm thick heat moulded PVC 'C' channel of size 30 x 50 mm forming stiles, and 5mm thick 75mm wide PVC sheets for top rail, lock rail and bottom rail on either side, and 10mm (5mm x 2) thick, 20mm wide cross PVC sheet as gap insert for top rail and bottom rail, Panelling of 5 stiles and rails with 30mm wide x 5mm thick PVC sheet beading on either side, and joined together with solvent cement adhesive,. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'c' channel using PVC solvent cement adhesive etc. complete as per direction of Engineer in charge, manufacture's specification and drawing.	sqm	1632.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10044		Providing and fixing 30mm thick FACTORY MADE SOLID BOTH SIDE PRELAM PANEL PVC DOOR SHUTTER consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for stiles, top and bottom rails. M.S. frame shall have a coat of steel primer of approved make and manufactures. M.S frame covered with 5mm thick heat moulded prelam PVC 'C' channel of size 30mm thickness, 70 mm width of which 50mm shall be flat and 20mm shall be tapered in 45 degree Angle on either side forming stiles, and 5mm thick, 95mm wide prelam PVC sheet out of which 75mm shall be flat and 20mm shall be tapered in 45 degree on the inner side of top and bottom rail and 115mm wide prelam PVC sheet out of which 75mm shall be flat and 20mm shall be tapered on both side to form lock rail, Top, bottom and lock rails shall be provided either side of the panel. 10mm (5mm x 2) thick 20mm wide cross PVC sheet shall be provided as gap insert for top rail and bottom rails. Panelling of 5mm thick both side prelam PVC sheet to be fitted in the M.S. frame welded,sealed to the stiles and rails with 7mm (5mm + 2 mm) thick x 15mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'C' channel using PVC solvent adhesive etc. complete as per direction of Engineering in charge, manufacture's specification and	sqm	2214.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10045		Providing and fixing 30mm thick FACTORY MADE SOLID SINGLE SIDE PRELAM PANEL PVC DOOR SHUTTER consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for stiles, and 15mm x 15mm for top and bottom rails. The M.s. frame shall have coat of steel primers of approved make and manufacture. The M.S. frame shall be covered with 5mm thick heat moulded single side prelam PVC 'C' channel of size 30 x 50mm to form stiles and 5mm thick and 75mm wide single side prelam PVC sheets shall be for the top, bottom and lock rails. Paneling of 5mm thick one side prelam sheet to be fitted in the M.S. frame and sealed to the front (Prelam side) stiles and rails (which should have a 5mm 45 degree bent portion as beading) and attached to the back (white/ivory) stiles and rails (which should have a 10mm 90 degree bent portion as beading) using 2 nos. 15mm wide x 5mm thick PVC sheet beading inside the 9 degree bent beading. All stiles, rails and beading to be joined to the panel using solvent cement. An additional 5mm thick PVC strip of 20mm width is to be struck on the interior side of the 'C' channel using PVC solvent adhesive and 10mm thick (5mm x 20) thick 20mm width cross PVC sheet to be fitted as gap insert for top and bottom rails, etc. complete as per direction of Engineer in charge, manufacture's specification and drawing.	sqm	2003.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10046		Providing and fixing 30mm thick FACTOR MADE FULLY GLAZED SOLID PVC DOOR SHUTTER consisting of frame made out of M.S. tube of 19m gauge thickness and size of 19mm x 19mm for styles and 15mm x 15mm for top, lock and bottom rails M.S. frame shall have a coat of steel primer of approved make and manufacture, M.s. frame shall be covered with 5mm thick heat moulded PVC 'C' channel of size 75mm x 30mm x 50mm out of which 10mm shall be bent at 90 degree towards inner side on front face of the door forming stiles. For top rail and bottom rail, M.S. frame shall be covered with 5mm thick, 100mm wide PVC sheet out of which 10mm shall be bent of 90 degree tows inner side on front face of the door. M.S. frame at lock rail shall be covered with 125 mm wide PVC sheet out of which 10mm on both the edges shall be bent at 90 degree on front face of the door and 75mm wide PVC sheet shall cover the M.S. frame at top, lock and bottom rail on side of door, 5mm thick 20mm wide cross PVC sheet as gap insert for tp and bottom rail.PVC sheet beading of 15mm thck (5mm x 30, 15mm wide to be stuck, internally with solvent cement adhesive in stiles and rails. Glass panel will be fitted externally in the clear space available between the stiles and rails and fixed between PVC sheet of stiles and rails bent at 90 degree on front face and 15mm x 10mm 'L' shape outer beading nailed on stiles and rails at the back side. So that the 'L' shape PVC beading can be removed	sqm	2013.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10047		Providing and fixing 30mm thick factory made wire guazed solid PVC Door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for stiles and 15mm x 15mm for top, lock and bottm rails, M.S. frame shall have a coat of steel primers of approved make and manufacture, 19mm x 19mm M.S. square tubes shall be coveed with 5mm thick head mouled PVC 'C' channel of size 30mm thickness, 90mm width out of which 75mm shall be flat and 15 mm shall be bent in 90 degree angle on either side forming stiles and 5mm thick 115mm wide PVC sheet out of which 100mm shal be flat and 15mm shal be betn in 90 degree on the inner side to from top and bottom rails and 130mm wide PVC sheet out of which 100mm shal be flat and 15mm shal be bent in 90 degree on both side to from lock rail 10mm (5mm x 2) thick, 20mm wide cross PVC sheet as gap insert for top rail and bottom rail, panel will be of G.I. wire gauge of 24 gauge to be fitted in by 'C' channel of size 10mm x 35mm on the either side in the stiles.The inner side 'C' channel is fixed by 19mm x 19mm M.S. tube on both side with screws. The wire mesh in top, bottom and lock rail is sealed with 15mm x 15mm tube with G.I.wire, 1mm (5mm x 2) thick PVC strip of 25mm width is to be stuck and screw on both side of G.I. wire guage interior at the top, bottom and lock rails. An additional 5mm thck PVC strip of 20mm width is to be stuck on the interior side of the 'C' channel	sqm	1968.00
10048		Providing and fixing 35mm thick factory made moulded door shutter consisting of solid core single leaf flush door of 30mm thickness, lipped with 15mm (5mm x 3) thick x 30mm width on one stiles and top rail and 10mm (5mm x 2) thick x 30mm width on the other stiles and bottom rails. The inner panel laminated with 2mm thick termite proof, water proof and fire resistant moulded PVC sheet with 2,4,6 raised panel design in different plain and /or prelim colours on one side after routing the moulded design on flush door and 2mm plain and/or prelim PVC sheet on other side using rubber adhesive on flush door and solvent cement adhesive on the PVC liping etc. complete as per direction of Engineer in charge, manufacture's specification and drawing.	sqm	2131.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10049		Providing and fixing 30mm thick factory made moulded door shutter wood free consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 25mm x 25mm for stiles, top and bottom rails, M.S. frame shall have a coat of steel primers. The inner panel shall consist of 25mm thick High Density EPS conforming to IS 4671-1984 bonded with 2mm thick termite proof, water proof and fire resistant moulded PVC sheet with 2,4,6 raised panel design in different plain and /or prelim colours after routing the moulded design on one side and 2mm plain and/or prelim PVC sheet on other side of the EPS. The edges of panel to be sealed with lipping of 10mm wide PVC sheet batton (made by sticking 2 PVC rigid foam sheets of 5mm thickness using PVC solvent cement) and stiles 25mm (5mm x 5) thick and 30mm width PVC sheet fitted along M.S. tube for lock provision and for lock height 5mm thick PVC sheet of size 150mm x 100mm fixed with upper and lower face of inner side of EPS panel etc. complete as per direction of Engineer in charge manufacture's specification and drawing.	sqm	1960.00
10050		Providing and fixing factory made polyvinyl chloride (PVC) door frame of the size 50 x 47 mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet, mitre out of two corners and joined with 2nos. of 150mm long brackets of 15 x 15mm M.s. Square tubes. The two vertical door profiles are to be reinforced with 19 x 19 mm m.s. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame shall be fixed to the wall using 65/100 mm long M.S. screws through the frame by using PVC fasteners. A minimum of 4 nos. of screws to be provided for each vertical members and minimum 2 nos. for horizontal members etc. complete as per manufactures specification and direction of Engineer in charge.	sqm	256.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10051		Providing and fixing of fully glazed solid PVC panel PVC door along with solid PVC door frame. 30mm thick FACTORY MADE FULLY GLAZED SOLID PVC DOOR SHUTTER consisting of frame made out of M.S. tube of 19 gauge thickness and size of 19mm x 19mm for style and 15mm x 15mm for top, lock and bottom rail. M.S. frame shall have a coat of steel primer of approved make and manufacture. M.S. frame shall be covered with 5 mm thick heat moulded PVC 'C' channel of size 75mm x 30mm x 50mm out of which 10mm shall be bent at 90 degree towards inner side on front face of the door. M.S. frame at lock rail shall be covered with 125 mm wide PVC sheet out of which 0mm on both the edges shall be bent at 90 degree on front face of the door and 7mm wide PVC sheet shall cover the M.S. frame at top, lock and bottom rail on back side of door, 5 mm thick 20mm wide cross PVC sheet as gap insert for top and bottom rail. PVC sheet beading of 15mm thick (5mm x3) 15mm wide to be stuck internally with solvent cement adhesive in stiles and rails. Glass panel will be fitted externally in the clear space available between the stiles and rails and fixed between PVC sheet of stiles and rails bent at 90 degree on front face and 15mm x 10mm 'L' shape outer beading nailed on stiles and rails at the back side. So that the 'L' shape PVC beading can be removed when required for replacement of broken glass etc. complete as per direction of Engineer in charge and	sqm	2463.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10052		Providing and fixing complete sliding shutter solid PVC window 25mm thick factory made glazed solid PVC window shutter consisting of frame made out of M.S. tube of 19 gauge of size 15 x 15mm for styles top, bottom rail. M.S. frame shall have a coat of steel primer of approved make and manufacture, M.S. frame shall be covered with 4mm thick heat moulded PVC 'C' channel of size 58mm x 25mm x 38 mm out of which 8mm shall be bent at 90 degree towards inner side on front face of the window shutter forming stiles. For top rail and bottom rails, M>S. frame shall be covered with 4mm thick, 58mm wide PVC sheet out of which 8mm shall be bent at 90 degree towards inner side on front face and 38mm wide PVC sheet shall cover the M.S. frame at top and bottom rail on back side of window shutter, 4mm thick 15mm wide cross PVC sheet as gap insert for top and bottom rail. PVC sheet beading of 8mm thick (4mm x 2) to be stuck internally with solvent cement adhesive in top and bottom rails. Glass panel will be fitted externally in the clear space available between stiles & rails and fixed between PVC sheet of stiles and rails bent at 90 degree on front face 12mm x 123mm 'L' shape outer PVC beading nailed on stiles and rails at the back side so that 'L' shape outer PVC beading can be removed when required for replacement of broken glass etc. complete as per direction of etc. complete as per direction of Engineer in charge and manufacture's specification.	sqm	2899.00
10053		Providing and fixing Plain/Printed PVC sheet wall paneling of thickness 5mm consisting of panels having size 1220 mm x 2440 mm stuck on inner frame work of 50mm wide strips of 5mm thick PVC sheet. The strips should have in their center a groove of 6mm width and 1mm 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 10" center to center. The PVC strips shall 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 200 A groove of 2mm may be left at the joint of two panel for aesthetic looks. The exact size of the panel and correspondingly of the grid may vary depending on the size of the wall.	sqm	845.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10054		Providing and fixing Prelam PVC sheet wall paneling of thickness 5mm consisting of panels having size 1220 x 2440 mm stuck on inner frame work of 50mm wide strips of 5mm thick PVC sheet. The strips should have in their center a groove of 6mm width and 1mm depth for sinking the head of the screw using to fix the strips of the wall and should be placed vertically at equal intervals of 10" center to center. The PVC strips shall 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 200 mm. A groove of 2mm may be left at the joint of two panel for aesthetic looks. The exact size of the panel and correspondingly of the grid may vary depending on the size of the wall.	sqm	944.00
10055		Providing and fixing full height Prelam PVC partition system 50mm thick consisting of 40mm sandwich PVC panel made out of 36mm high density expanded polystyrene sheet (E.P.S. Thermocol) stuck on both side with 2mm thick prelam PVC sheet reinforced with frame work made from 35mm x 5mm M.S. angle. In between two M.S. angles 4 mm with feathered edges shall be fixed on floor and 50 x 75 mm with feathered edges prelam PVC "C" channel of size 50mm x 75mm with feathered edges prelam PVC panel shall be inserted in the PVC "C" channel The first and last M.S. angle should be erected such that it is inside a PVC C channel of size 50 x 75mm In between adjoining EPS sandwiched PVC partition panel 4mm thick x 75 mm width prelam PVC sheet feathered at edges shall be stuck on front and back face using solvent cement etc. An additional 4mm thick PVC strip of 40mm width is to be stuck on the interior side of the "C" channel using PVC solvent adhesive complete as per direction of Engineer in charge. Manufacturer's specification and drawing.	sqm	2152.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10056		Providing and fixing full height Plan/colour PVC partition system 50mm thick consisting of 40mm sandwich PVC panel made out of 36mm high density expanded polystyrene sheet (E.P.S. Thermocol) stuck on both side with 2mm thick plain PVC sheet reinforced with frame work made from 35mm x 5mm M.S. angle. In between two M.S. angles 4 mm thick plan heat moulded PVC 'C' channel of size 50mm x 100 mm with feathered edes shall be fixed on floor and 50 x 75 mm with feathered edges plain/printed/prelim PVC 'C' channel shall be fixed in the ceiling. Sandwich PVC panel shall be inserted in the PVC "c" channel. The first and last M.S. angle should be erected such that it is inside a PVC C channel of size 50 x 75mm. In between adjoining EPS sandwiched PVC partition panel 4mm thick x 75mm width plain PVC sheet feathered at edges shall be stuck on front and back face using solvent cement etc. And additional 4mm thick PVC strip of 40mm width is to be stuck on the interior side of the C channel using PVC solvent adhesive complete as per direction of Engineer in charge, manufacture's specification and drawing.	sqm	1783.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10057		Providing and fixing full height Printed PVC partition system 50mm thick PVC partition consisting of 40mm sandwich PVC panel made out of 36mm high density expanded polystyrene sheet (EPS Thermocol) stuck on the both side with 2mm thick printed PVC sheet reinforced with frame work made from 35mm x 5mm M.S. angle. IN between two M.S. angles 4mm thick printed heat moulded PVC C channel of size 50mm x 100mm with feathered, edges shall be fixed on floor and 50 x 75 mm with feathered edges printed PVC C channel shall be fixed in the ceiling, Sandwich PVC panel shall be inserted in the PVC C channel. The first and last M.S. angle should be erected such that it is inside a PVC C channel of size 50 x 75mm In between adjoining EP sandwiched PVC partition panel 4mm thick x 75mm width printed PVC sheet feathered at edges shall be stuck on front and back face using solvent cement. If the height of partition exceeds 8 feet; then 15mm x 30mm M.S. tube is welded horizontally at the joint of panels in between two vertical angles etc. An additional 4mm thick PVC strip of 40mm width is to be stuck on the interior side of the C channel using PVC solvent adhesive complete as per direction of Engineer in charge, manufactures.	sqm	1902.00
10058		Providing and fixing PVC plain colour false ceiling with grid type with alu frame consisting of 600 mm x 600mm 3mm thick plain PVC sheet used as panel insert in a frame work made using anodized aluminium T section of size 1" x 1" (25 x 25mm, 19 gauge or 1mm thick) in square pattern of grid sizes of 2 x 2 (600 x 600mm). The aluminium frame work is supported from the ceiling with the help of G.I. hook and G.I. wire/6mm M.S. rods of required sizes to maintain proper level etc. The aluminium frame work is supported on side wall with the use of aluminium L section of size 1 x 1 (25 x 25mm) angles etc. Complete as per direction of Engineer in charge. Manufactures, specification and drawing	sqm	722.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10059		Providing and fixing PVC Printed pain colour false ceiling with grid type with alluminium frame consisting of 600mm x 600mm 3mm thick plain PVC sheet used as panel insert in a frame work made using anodized alluminium T section of size 1 x 1 (235 x 25mm, 19 gauge or 1 mm thick) in square pattern of grid sizes of 2 x 2 (600 x 600mm) The alluminium frame work is supported from the cceiling with the help of G.I. hook and G.I. wire/6mm M.S. rods of required sizes to maintain proper level etc. The aluminium frame work is supported on side wall with the use of alluminium L section of size 1 x 1 (25 x 25mm) angles etc. complete as per direction of Engineer in charge. Manufactures specification and drawing.	sqm	766.00
10060		Providing and fixing PVC plain colour false ceiling with flush type with alluminium frame, frame work is done with three different sections of G.I. sheet of 24 gauge thickness named as C, U and L. The C section is fixed with hangers at an equal distance of 36" each and then U section is fixed perpendicular on C section with steel screws at an equal distance of 16" each. The complete frame work is supported by G.I. L angle 6mm rod hangers from the roof and L sections is fixed all around the wall as shown in the diagram. 5mm PVC sheet strips of size 2 wide and fixed with counter sunk steel screw on the U section. Further 3mm PVC sheet is stuck to these PVC strips with solvent cement such that joining lines are perfectly matched. P.U. putty is filled, ceiling for getting fine surface finish etc. complete as per direction of Engineer in charge, manufacturer's specification and drawing.	sqm	858.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
10061		Providing and fixing PVC printed false ceiling with flush type with alluminium frame, frame work is done with three different sections of G.I. sheet of 24 gauge thickness named as C, U and L. The C section is fixed with hangers at an equal distance of 36" each and then U section is fixed perpendicular on C section with steel screws at and equal distance of 16" each. The complete frame work is supported by G.I. L angle/6 mm rod hangers from the roof and L sections is fixed all around the wall as shown in the diagram. 5mm PVC sheet strips of size 2 wide are fixd with counter sunk steel screws on the U section. Further 3mm PVC sheet is stuck to these PVC strips with solvent cement such that joining lines are perfectly matched. P.U. putty is filled, dried and leveled and requisite coats of primer and paint is done on the ceiling for getting fine surface finish etc. complete as per direction of Engineering and charge manufacturer's specification and drawing	sqm	902.00
10062		Extra rate for using polyester fiber (12mm) with triangular of equivalent cross section with specific gravity 1.35 to 1.40 (as a secondary reinforcement) in concrete of any grade at the rate of 125 gms per 50 kg of Cement consumption.	1 Packet of 125 gms	26.00
10063		Extra rate for using polyester fiber (6mm) with triangular cross of equivalent section with specific gravity 1.35 to 1.40 (as a secondary reinforcement) in mortar of any grade at the rate of 125 gms per 50 kg of cement consumption.	1 Packet of 125 gms	26.00
10064A		Providing fusion bonded Epoxy coating not less than 175 micron thickness and up to 300 micron to reinforcement bars as per IS-13620-1993/ASTM-775 M including testing of coating at plant and all taxes (A) 10mm to 16mm dia bar	M.T	10062.00
10064B		Providing fusion bonded Epoxy coating not less than 175 micron thickness and up to 300 micron to reinforcement bars as per IS-13620-1993/ASTM-775 M including testing of coating at plant and all taxes (B) 20mm to 32 mm dia bar	M.T	7224.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 11 STEEL ALLUMINIUM & IRON WORK				
11001AA	11.2	Steel work, riveted in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. (A) In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters and the like.	q	6174.18
11001DA	11.2	Steel work, riveted in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. (D) In trussess and trussed purlins, upto 25 M. span and 15 M ovarall height.	q	6212.85
11002AA	11.4	Steel work, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. (A)In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters and the like	q	6335.70
11002DA	11.4	Steel work, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. (D) In trussess and trussed purlins, upto 25 M. span and 15 M. ovarall height.	q	5903.10
11003A	11.6	Providing and fixing in position collapsible steel shutters with vertical channels 20 x 10 x 2 mm braced with flat iron diagonals 20 x 5 mm size with top and bottom rails of T_rin 40x 40 x 6 mm with 38mm dia, steel pulleys complete with bolts, nuts, locking arrangements, stoppers handles including applying a priming coat of red lead paint.	q	3823.05
11004A	11.7	Providing and fixing 1mm thick M.S. sheet sliding shutters with frame and diagonal braces of 40 x 40 x 6 mm angle iron, 3.15 mm M.S. gusset plates at Junctions and corners 25 mm dia. pulley, 40 x 40 x 6mm angle and T-iron guide rail at top and bottom respectively with handles, stoppers and locking agangement etc, including applying a priming coat of red lead paint.	Sqm	2982.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
11005A	0	Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths inter-locked together through their entire length and jointed together at the ends by end locks mounted on specially designed pipe shaft with bracket plates, guide channels and arrangements for inside and outside locking with push-pull operation including the cost of hood cover and spring etc. complete.(A) Shutters having width below 3.5 M.	Sqm	3774.68
11005B	0	Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths inter-locked together through their entire length and jointed together at the ends by end locks mounted on specially designed pipe shaft with bracket plates, guide channels and arrangements for inside and outside locking with push-pull operation including the cost of hood cover and spring etc. complete. (B) Shutters having width 3.5 M. and above	Sqm	4579.05
11006A	11.9	Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths inter-locked together through their entire length and jointed together at the ends by end locks mounted on specially designed pipe shaft with bracket plates, guide channels and arrangements for inside and outside locking with push-pull operation complete but excluding the cost of hood cover and spring. (A) Shutters having width below 3.5.M.	Sqm	2877.33
11006B	11.9	Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths inter-locked together through their entire length and jointed together at the ends by end locks mounted on specially designed pipe shaft with bracket plates, guide channels and arrangements for inside and outside locking with push-pull operation complete but excluding the cost of hood cover and spring. (B) Shutters having width above 3.5 M.	Sqm	3609.90
11007	11.1	Providing and fixing 27.5 cm. long wire spring grade No.2 of approved make for rolling shutters.	Each	744.48
11008A	11.11	Providing and fixing Hood cover for rolling shutters (A) Shutters having width below 3.5 meters	Rmt	153.62
11008B	11.11	Providing and fixing Hood cover for rolling shutters (B) Shutters having width 3.5 meters and above	Rmt	160.61

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
11009	11.14	Fixing standard steel Doors, windows and ventilatos inwalls with 16 x 3.15 mm longs 10 cm. long embeded in Cement Concrete block 15 x 10 x 10 of 1:3:6 (1- Cement : 3-coarse sand : 6-graded stone aggregate of 20mm size) cost for supply of door/ window/ ventilators shall be paid separately.	Sqm	153.30
11010	11.2	Providing and fixing M.S. Fan clamps type 1 to 16mm dia M.S. bar bent to shape with hooked ends to R.C.C. slabs curing, laying including painting the exposed portion of loops, all as per standard design complete.	Each	85.47
11011	11.21	Extra over rate of item 20 for providing and fixing M.S. fan clamps type-II as per standard design in R.C.C. beams during laying towards additional height of the clamp due to beam rib.	Cm Height	1.16
11012	11.23	Providing and fixing M.S. round holding down or anchor bolts with nuts and washer plates complete.	Kg	41.48
11013	0	Providing and fixing EZ-7 section door/window frame including welding and fixtures fastenings including 3 coats of approved enamel oil paint etc complete.	Sqm	1495.20
11026		Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 127mm x 38.10mm x 1.35mm @wt. 1.384kg/m, horizontal Four track member size 122.20mm x 31.75mm x 1.10mm@ wt 1.205 kg/m, vertical member of size 122.20mm x 31.75mm x 1.50mm @1.398 kg/mt with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm@ 0.456kg/mt ,vertical member of size 40mm x 18mm x 1.29mm @ 0.456 kg/mt with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.	Sqm	2500.62

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
11027		Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 95mm x 24mm x 1.17mm @ wt.of 0.738 Kg/mt , horizontal Three track member size 92mm x 31.75mm x 1.30mm,@ Wt.1.07 Kg/mt , vertical member of size 92mm x 31.75mm x 1.50mm @ Wt. 1.06 Kg/mt with sliding shutters of horizontal member size 40 mmx18mm x1.29mm @ wt.of 0.456 Kg/mt, vertical member of size 40mm x 18mm x 1.29 mm @ wt.of 0.456Kg/mt/ with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc	Sqm	1850.59
11028		Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 63.50 x 38.10 x 1.95 mm,@ Wt 1.094 Kg / Rmt, horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm @ wt.of 0.695 Kg/mt, vertical member of size 61.85 mm x 31.75mm x 1.30 mm @ wt.of 0.659 Kg/mt with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt, vertical member of size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt, @ Wt. 0.457 Kg/mt with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.	Sqm	2002.17
11029		Providing and fixing standared extruded of alluminium section of size 63.50 x 38.10 x 1.95 mm @ Wt 1.094Kg / Rmt with colour anodized alluminium frame with 5 mm thick transparent bronze colour tinted float glass with colour anodized alluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for.window	Sqm	1520.96
11030		Providing and fixing standared extruded of alluminium section of size 63mm x 38.10mm x 1.2mm @ Wt. 0.643 Kg/mt with colour anodized alluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for Ventilation	Sqm	1373.45

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
11031		Providing and fixing standard extruded of alluminium section of size 63.50 x 38.10 x 1.95 mm,@ Wt 1.094Kg / Rmt with colour anodized alluminium frame with 5 mm thick transparent bronze colour tinted float glass as details etc complete for Fix window.	Sqm	1781.71
11032		Providing and fixing extruded aluminum window having extruded aluminum Colour Powder Coated section frame main outer size 127mm x 38.10mm x 1.35mm ,@ Wt.1.384 Kg/mt,horizontal Four track member size 122.20mm x 31.75mm x 1.10mm @ Wt. 1.205 Kg/mt,vertical member of size 122.20mm x 31.75mm x 1.50mm ,@ Wt. 1.398 Kg/mt with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt,vertical member of size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt,@ with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.	Sqm	2500.62
11033		Providing and fixing window having extruded aluminum Colour Powder Coated section frame main outer size 95mm x 24mm x 1.17mm @ wt.of 0.738 Kg/mt, horizontal Three track member size 92mm x 31.75mm x 1.30mm @ Wt.1.07 Kg/mt, vertical member of size 92mm x 31.75mm x 1.50mm ,@ Wt. 1.06 Kg/mt with sliding shutters of horizontal member size 40 mmx18mm x1.29mm @ wt.of 0.456 Kg/mt, vertical member of size 40mm x 18mm x 1.29 mm @ wt.of 0.456Kg/mt with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc	Sqm	1859.84

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
11034		Providing and fixing window having extruded aluminum Colour Powder Coated section frame main outer size 63.50 x 38.10 x 1.95 mm,@ Wt 1.094 Kg / Rmt, horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm @ wt.of 0.695 Kg/mt, vertical member of size 61.85 mm x 31.75mm x 1.30 mm @ wt.of 0.0.659 Kg/mt with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt, vertical member of size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window	Sqm	1992.78
11035		Providing and fixing standared extruded of alluminium section of size 63.50 x 38.10 x 1.95 mm @ Wt 1.094Kg / Rmt with colour Powder Coated alluminium frame with 5 mm thick transparent bronze colour tinted float glass with colour anodized alluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for.window	Sqm	1508.09
11036		Providing and fixing standared extruded of alluminium section of size 63mm x 38.10mm x 1.2mm , @ Wt. 0.643 Kg/mt with colour Powder Coated alluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for Ventilation	Sqm	1373.45
11037		Providing and fixing standared extruded of alluminium section of size 63.50 x 38.10 x 1.95 mm,@ Wt 1.094Kg / Rmt with colour Powder Coated alluminium frame with 5 mm thick transparent bronze colour tinted float glass as details etc complete for Fix window.	Sqm	2141.88

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 12 BUILDING HARDWARE				
12001	12.4	Fixing Metallic tower bolts of sizes with necessary screws etc. complete (Tower bolts and screws to be paid under separate items)	Each	32.34
12002	12.5	Fixing Metallic flush bolts of sizes with necessary screws etc. complete (Flush bolts and screws to be paid under separate items)	Each	6.51
12003	12.3	Fixing metallic or plastic door handles of sizes with necessary screws etc. complete (Door handles and screws to be paid under separate items)	Each	2.42
12004	12.1	Fixing metallic gate and shutter hooks and eyes of size (Hoks and eyes to be paid under seperate items)	Each	2.42
12005	11.11	Fixing metallic door latches of sizes with necessary screws etc. complete (Door latches and screws to be paid under separate items)	Each	4.31
12006	12.12	Fixing metallic mortice night latches with necassary screws including making necessary holes in wooden door shutter etc. complete (Mortice night latches and screw to be paid under separate items)	Each	61.11
12007	12.18	Fixing metallic ball catchers 10mm dia. (Ball catchers to be paid under separate item)	Each	5.04
12008	12.2	Fixing metallic casement window fasteners with necessary screws etc. complete (casement window fasteners and screws to be paid under separate items)	Each	3.89
12009	12.21	Fixing metallic casement stays of size with necessary screws etc. complete (casement stays and screws to be paid under separate items)	Each	3.89
12010	12.24	Fixing metallic cup board or wardrobe locks of sizes with necessary screws etc.complete (Locks and screws to be paid separately)	Each	61.11
12011	12.25	Fixing metallic or plastic cupboard or handrobe knobs of sizes with necessary screws/ bolts etc. complete (knobs and screws / bolts to be paid separately)	Each	5.04
12012	12.26	Fixing metallic floor door stoppers of sizes with rubber cushion screws etc. to suit shutter thickness complete (Floor door stopper with rubber cushion and screws to be paid under separate items)	Each	2.73
12013	12.28	Fixing metallic door handles or knobs for mortice locks with necessary screws etc. complete (Door handles /knobs and screws to be paid spearately)	Each	2.42

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 13 GLAZING				
13001A	13.1	Providing and fixing sheet glass, selected quality (Type-C) bedded in putty and fixed with wooden beading including the cost of wooden beadings of first class teakwood and necessary cutting of glass. (1) 5 mm thick.	Sqm	766.50
13001B	13.1	Providing and fixing sheet glass, selected quality (Type-C) bedded in putty and fixed with wooden beading including the cost of wooden beadings of first class teakwood and necessary cutting of glass. (2) 6 mm thick.	Sqm	803.25
13002	13.3	Providing and fixing rough cast wired glass, 6mm thick bedded in putty and fixed with wooden beading including the cost of wooden beadings of Indian teak wood and necessary cutting of glass. (C) Wired - figured glass	Sqm	656.25
13003A	13.5	Providing and fixing sheet glass ordinary quality bedded in putty and fixed with wooden beadings including the cost of wooden beadings of first-class teak wood and necessary cutting of glass. (3) 3mm thick	Sqm	711.90
13003B	13.5	Providing and fixing sheet glass ordinary quality bedded in putty and fixed with wooden beadings including the cost of wooden beadings of first-class teak wood and necessary cutting of glass. (4) 4mm thick	Sqm	725.55
13004	13.7	Extra for using ground glass (frosted or obscured on one side) instead of plain glass.	Sqm	44.72
13005	13.11	Deduct for difference in cost of materials and labour involved in method of glazing if changed in item No. 13 (A) Front and back puttied and sprigged or fixed with glazing pins	Sqm	301.35
13006	13.12	Grinding, Polishing and rounding of edges of glass or glazing sheets.	Rmt	24.39

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 14 PAVING & FLOOR FINISHES				
14001AA	14.2	Providing and laying 40mm thick marble chips flooring rubbed and polished (I.E. terrazo) to granolithic finish with under layer 30mm thick cement concrete 1:2:4 (1-Cement:2-coarse sand :4-graded stone aggregate 10 mm and down gauge) and top layer 10mm thick with white, black or white and black marble chips of required 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 :7-marble chips by volume) (A) Dark shade pigment with ordinary cement (In top layer only)	Sqm	490.35
14001BA	14.2	Providing and laying 40mm thick marble chips flooring rubbed and polished (I.E. terrazo) to granolithic finish with under layer 30mm thick cement concrete 1:2:4 (1-Cement:2-coarse sand :4-graded stone aggregate 10 mm and down gauge) and top layer 10mm thick with white, black or white and black marble chips of required 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 :7-marble chips by volume) (B) Light shade pigment with white cement (In top layer only)	Sqm	589.05
14001CA	14.2	Providing and laying 40mm thick marble chips flooring rubbed and polished (I.E. terrazo) to granolithic finish with under layer 30mm thick cement concrete 1:2:4 (1-Cement:2-coarse sand :4-graded stone aggregate 10 mm and down gauge) and top layer 10mm thick with white, black or white and black marble chips of required 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 :7-marble chips by volume) (C) Medium Shade pigment with approx 50% white cement and 50% ordinary cement (In top layer only)	Sqm	540.75

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
14001DA	14.2	Providing and laying 40mm thick marble chips flooring rubbed and polished (I.E. terrazo) to granolithic finish with under layer 30mm thick cement concrete 1:2:4 (1-Cement:2-coarse sand :4-graded stone aggregate 10 mm and down gauge) and top layer 10mm thick with white, black or white and black marble chips of required 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 :7-marble chips by volume) (D) White cement without any pigment (In top layer only)	Sqm	548.10
14001EA	14.2	Providing and laying 40mm thick marble chips flooring rubbed and polished (I.E. terrazo) to granolithic finish with under layer 30mm thick cement concrete 1:2:4 (1-Cement:2-coarse sand :4-graded stone aggregate 10 mm and down gauge) and top layer 10mm thick with white, black or white and black marble chips of required 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 :7-marble chips by volume) (E) Light Shade pigment with ordinary cement (In top layer only.)	Sqm	492.45
14002AA	14.4	Providing and laying marble chips skirting (Terrazo) or dedo rubbed, and polished to Granolithic finish top layer 6mm thick with white,black or white and black marble chips of size from smallest 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) 20mm thick with under layer 14mm thick cement plaster 1:3 (1-cement : 3-coarse sand) (A) Dark shade pigment with ordinary cement (In top layer only)	Sqm	400.05
14002BA	14.4	Providing and laying marble chips skirting (Terrazo) or dedo rubbed, and polished to Granolithic finish top layer 6mm white,black or white and black marble chips of size from smallest 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) 20mm thick with under 14mm thick layer cement plaster 1:3 (1-cement : 3-coarse sand) (B) Light shade pigment with white cement (In top layer only)	Sqm	463.05

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
14002CA	14.4	Providing and laying marble chips skirting (Terrazo) or dedo rubbed, and polished to Granolithic finish top layer 6mm white,black or white and black marble chips of size from smallest to 4mm nominalsize 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) 20mm thick with under 14mm thick layer cement plaster 1:3 (1-cement : 3-coarse sand) (C) Medium shade pigment with appox 50% white cement and 50% ordinary cement (In top layer only)	Sqm	432.60
14002DA	14.4	Providing and laying marble chips skirting (Terrazo) or dedo rubbed, and polished to Granolithic finish top layer 6mm white,black or white and black marble chips of size from smallest 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) 20mm thick with under 14 mm thick layer cement plaster 1:3 (1-cement : 3-coarse sand) (D) White cement without any pigment (In top layer only)	Sqm	443.10
14002EA	14.4	Providing and laying marble chips skirting (Terrazo) or dedo rubbed, and polished to Granolithic finish top layer 6mm white,black or white and black marble chips of size from smallest to 4mm nominalsize laid in cement marble powder mix 3:1 (3- Cement : 1 marble powder of 4:7 (4-cement marble powder mix : 7-marble chips by volume) 20mm thick with under plaster 1:3 (1-cement : 3-coarse sand) (E) Light shade pigment with ordinary cement(In top layer only)	Sqm	402.15
14003AA	14.16	Providing and laying cushioning layer on R.C.C. Slab consisting of 75mm thick lime, concrete using brick aggregate of 20mm nominal size mortar compresing of 1-Lime : 2- fine sand)	Sqm	150.15

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
14003BA	0	Precast terrzo tiles 22mm thick with white, Black or white and black marble chips of sizes upto 6mm, laid in floors, treads of steps and landings on a bed of 25mm average thickness of lime mortar 1:6 jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and polishing complete with precast tiles of (1) Light shades using white cement	Sqm	374.85
14003CA	0	Precast terrzo tiles 22mm thick with white Black or white and black marble chips of sizes upto 6mm laid in floors, treads of steps and landings on a bed of 25mm average thickness of lime mortar 1:6 jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and polishing complete with precast tiles of (1) Dark shades using ordinary cement	Sqm	366.45
14003DA	0	Precast terrzo tiles 27 to 28mm thick with white Black or white and black marble chips of sizes upto 6mm laid in floors, treads of steps and landings on a bed of 25mm average thickness of lime mortar 1:6 jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and polishing complete with precast tiles of (1) Light shades using white cement	Sqm	414.75
14003EA	0	Precast terrzo tiles 27 to 28mm thick with white Black or white and black marble chips of sizes upto 6mm laid in floors, treads of steps and landings on a bed of 25mm average thickness of lime mortar 1:6 jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and polishing complete with precast tiles of (2) Dark shades using ordinary cement	Sqm	407.40
14004AA	14.19	Providing and laying precast terrazo tile 20mm thick white,black, white and black (or of the colour specified in specification of tender item) marble chips of sizes upto 6mm laid in floors, treads of steps and landings on a bed of 25mm average thickness of Lime mortar 1:1.5(1-Lime putty : 1.5 coarse sand) or C.M. 1:6 (1:cement :6 - coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and polishing complete with precast tiles of.(A) Light shades using white cement	Sqm	374.85

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
14004BA	14.19	Providing and laying precast terrazo tile 20mm thick white and black (or of the colour specified in specification of tender item) marble chips of sizes upto 6mm laid in floors, treads of steps and landings on a bed of 25mm average thickness of Lime mortar 1:1.5(1-Lime putty : 1.5 sand) or C.M. 1:6 jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and polishing complete with precast tiles of.(B) Medium shades using approx. 50% white cement and 50% ordinary cement	Sqm	397.95
14004CA	14.19	Providing and laying precast terrazo tile 20mm thick white,black,white and black (or of the colour specified in specification of tender item) marble chips of sizes upto 6mm laid in floors, treads of steps and landings on a bed of 25mm average thickness of Lime mortar 1:1.5(1-Lime putty : 1.5 coarse sand) or C.M. 1:6(:1 - cement :6 - coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and polishing complete with precast tiles of. (B) Dark shades using ordinary cement	Sqm	347.55
14005AA	14.21	Providing and laying precast terrazo tiles 20mm thick with marble chips of sizes. upto 6mm in skirting and risers of steps not exceedings 30 cms. in height on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) jointed with neat cement slurry including rubbing and polishing complete with tiles of. (A) Light shades using white cement	Sqm	429.45
14005BA	14.21	Providing laying precast terrazo tiles 20mm thick with marble chips of sizes. upto 6mm in skirting and risers of steps not exceedings 30 cms. in hieght on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) jointed with neat cement slurry including rubbing and polishing complete with tiles of. (B) Medium Shades using approx. 50% white Cement and 50% ordinary cement	Sqm	478.80
14005CA	14.21	Providing and laying precast terrazo tiles 20mm thick with marble chips of sizes. upto 6mm in skirting and risers of steps not exceedings 30 cms. in height on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) jointed with neat cement slurry including rubbing and polishing complete with tiles of. (B) Dark shades using ordinary cement	Sqm	402.15

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
14006AA	14.25	Providing and laying chequered terrazo tiles 22mm thick with marble chips of sizes upto 6mm in floors on 25mm thick bed of Lime mortar 1:1.5 (1-Lime putty : 1.5 coarse sand) or C.M. 1:6 (1 -cement :6 - coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete. (A) Light shades using white cement	Sqm	493.50
14006BA	14.25	Providing and laying chequered terrazo tiles 22mm thick with marble chips of sizes upto 6mm in floors on 25mm thick bed of Lime mortar 1:1.5 (1-Lime putty : 1.5 coarse sand) or C.M. 1:6 (1 - cement : 6 - coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete. (B) Dark shades using ordinary cement	Sqm	467.25
14007AA	14.27	Providing and laying chequered terrazo tiles 28mm thick with marble chips of sizes upto 6mm in treads of stairs and staircases in 12mm thick bed of lime mortar 1:1.5 (1 Lime putty :1.5 coarse sand) or C.M. 1:6 (1- cement : 6-coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and polishing complete. (A) Light shades using white cement	Sqm	495.60
14007BA	14.27	Providing and laying chequered terrazo tiles 28mm thick with marble chips of sizes upto 6mm in treads of stairs and staircases in 12mm thick bed of lime mortar 1:1.5 (1 Lime putty :1.5 coarse sand) or C.M. 1:6 jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and polishing complete. (B) Dark shades using ordinary cement	Sqm	499.80
14008AA	14.29	Providing and laying white glazed tiles 6mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement.	Sqm	599.55
14008BA	14.29 (B)	Providing and laying Ceramic tiles 6mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement.	Sqm	626.85
14008CA	14.29 (C1)	Providing and laying Vitrified tiles 8 to 10 mm thick , 24" x 24" in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement.	Sqm	720.30

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
14008DA	14.29 (C2)	Providing and laying Vitrified tiles 8 to 10 mm thick , 36" x 36" in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement.	Sqm	1278.90
14009AA	14.32	Providing and laying white glazed tiles 6mm thick in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry	Sqm	619.50
14009BA	14.32 (B)	Providing and laying Ceramic tiles 6mm thick in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry	Sqm	647.85
14009CA	14.32 (C1)	Providing and laying Vitrified tiles 8 to 10 mm thick , 24" x 24" in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry	Sqm	817.95
14009DA	14.32 (C2)	Providing and laying Vitrified tiles 8 to 10 mm thick , in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry	Sqm	1325.10
14010A	14.34	Providing and fixing 50mm internal or external angles of glazed tiles	Rmt	65.42
14011A	14.36	Providing and laying marble stone slab flooring over 20mm (average) base of cement mortar 1:6 (1-cement : 6 coarse sand) or L.M. 1:1.5 (1- lime putty : 1.5 - coarse sand) laid and jointed with gray cement slurry including rubbing and polishing complete. (A) Marble slab 25mm thick	Sqm	1379.70
14012AA	14.43	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1:1.5 (1-Lime putty : 1.5 - coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (A) 25mm thick	Sqm	637.35
14012BA	14.43	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1:1.5 laid over and jointed with grey cement slurry including rubbing and polishing etc. complete. (B) 30 mm thick	Sqm	679.35

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
14013A	14.44	Providing and laying polished kota stone slab 25mm thick in risers of steps,skirting Dedo and pillars laid on 10mm thick cement mortar 1:3 (1-Cement : 3 coarse sand) and jointed with gray cement slury mixed with pigment to match the shade of slab including rubbing and polishing etc. complete.	Sqm	719.25
14014AA	14.46	Providing and laying rough chiseled dressed stone flooring over 20mm average thick base of cement mortar 1:5 (1-Cement : 5-coarse sand) or L.M. 1:1.5 (1-Lime putty : 1.5 - coarse sand) including pointing with cement mortar 1:2 (1-cement : 2-stone dust) etc. complete. (A) 25mm thick	Sqm	382.20
14014BA	14.46	Providing and laying rough chiseled dressed stone flooring over 20mm thick base of cement mortar 1:5 (1-Cement : 5-coarse sand) or L.M. 1:1.5 including pointing with cement mortar 1:2 (1-cement : 2-stone dust) etc. complete. (B) 40mm thick	Sqm	460.95
14015AA	14.71	Providing and laying cement concrete flooring 1:2:4 (1-cement : 2-coarse sand : 4-graded stone aggregate 20mm nominal size) laid in one layer and finished with a floating coat of neat cement. (A) 40mm thick.	Sqm	182.70
14015BA	14.71	Providing and laying cement concrete flooring 1:2:4 (1-cement : 2-coarse sand : 4-graded stone aggregate 20mm nominal size) laid in one layer and finished with a floating coat of neat cement. (B) 50mm thick.	Sqm	213.15
14016A	14.74	Providing and laying cement concrete pavement (25mm to 50mm thick) with 1:2:4 (1-cement : 2-coarse sand : 4-stone aggregate 20mm nominal size) including finishing with floating coat of neat cement complete.	cu.m	3363.15
14017A	14.81	Providing and laying precast cement concrete tiles 20mm thick with aggregate of sizes upto 6mm laid on floors, treads of steps and landing on 20mm thick bed of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1:1.5 (1 - Lime putty : 1.5 - coarse sand) jointed with neat cement slurry with pigment to match the shade of tiles complete with precast tiles of (C) Dark shades using ordinary cement	Sqm	317.10

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
14018AA	14.86	Providing and laying chequered precast cement concrete tiles 22mm thick with aggregate of sizes upto 6mm in floors, treads of steps and landings on 20mm thick bed of C.M. 1:6 (1-cement : 6-sand) or L.M. 1:1.5(1-Lime putty : 1.5 coarse sand) joint with neat cement slurry with pigments to match the shade of the tiles.	Sqm	381.15
14018B	(A)	Extra for rubbing & polishing the precast c.c. tiles for flooring sketing deta.	Sqm	97.44
14019A	14.9	Providing and laying brick on edge flooring laid dry grouted with c.M. 1:6 (1 - Cement : 6 - coarse sand) including finishing the joints flush curing etc. complete.	Sqm	357.00
14020A	0	P & L 24" x 24" vitrified 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for DARK shade	Sqm	846.36
14021A	0	P & L 24" x 24" vitrified 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for antiskit	Sqm	1052.34
14022A	0	P & L 24" x 24" vitrified 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for light shade	Sqm	824.25
14023A	0	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length,30cm height and 15cm thick of M200 grade concret as per approved design and including excavation for fixing in proper line and level,filling the joint with C:M 1:3 (1cement:3fine sand) etc complete.	Rmt	252.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
14032		Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length,30cm height and 15cm thick of M250 grade concret as per approved design and including excavation for fixing in proper line and level,filling the joint with C:M 1:3 (1cement:3fine sand) etc complete.	Rmt	326.55
14033		Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pnumatic compressed / vibrated mechanically and as per approved design Confirming to IS 15658 : 2006 including 35 mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidlines of IRC : SP 63-2018 etc. Complete.	Sqm	733.18
14035		Providing and laying broken chine mosaic flooring for terrace using 12 mm to 20 mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar creme out upto surface using white cement including rounding off junctions and extending them upto 15 cm along the wall,clearing with water and oxalic acid etc. as directed.	Sqm	494.55
14036		Providing and laying coloured glazed tiles of the size 300 mm x 200 mm x 8 mm / 300 mm x 450 mm x 8 mm in skirting, risers of steps and dedo on 10 mm. thick cement plaster 1:3 (1 cement : 3 coarse sand) & jointed with white cement slurry.	Sqm	935.55

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 15 ROOF COVERING				
15001A	15.1	Providing corrugated G.I. sheet of class-3 roofing fixed with glavanished iron J or L Hooks, Bolts and nuts 8mm diameter with bitumen and G.I. limpet washer or G.I. limpet washer. filled with white lead complete excluding the cost of purlins, Rafters and Trusses.(1) 0.80 mm thick sheet.	Sqm	793.10
15002A	15.7	Providing ridges or hips 600 mm overall in plain G.I. sheet class-3 fixed with G.I.J. or L Hooks and nuts 8mm dia G.I. Limpet and bitumen washer complete. (1) 0.80 mm thick sheet.	Sqm	485.10
15003A	15.8	Providing valleys 900mm overall in plain 1.6mm thick G.I. sheet fixed with G.I. J or L Hooks, Bolts and nuts glavanised iron J or L Hooks Bolts and nuts 8mm dia G.I. Limpet and bitumen washers complete.	Sqm	942.90
15005A	15.1	Providing and fixing 150mm wide 450mm over all semicircular plain G.I.sheet class-3 gutter with Iron brackets 40mm x 3mm size Bolts, Nuts, washers etc. including making necessary connection with rain water pipes. (i) 0.80 mm thick Sheet.	Sqm	357.00
15007	15.26	Filling cement concrete 1:2:4 (1- Cement :2-coarse sand :4-graded stone aggregate 12.5 mm nominal size) in gaps of A.C. sheet corrugation and wings of ridges.	Rmt	19.32
15010A	15.51	Providing and fixing tiles roofing with manglore tiles including teak reepers of sizes 50mm x 25mm.	Rmt	170.10
15011A	15.75	Providing and fixing five courses water profing treatment with bitumen felt consisting of second and fourth course of blown / bitumen or/ and residual bitumen applied hot at 1.2 kg.per Sq.M.of area for each course and first course with fibre base bitunen saturated under lay type land third course with fibre base self finished felt type 2 grade 1 and fifth and final course of stone grit 6mm and down size or pea sizes gravel spread at 0.008 Cu. Metre / Sq. metre including preparation of surface excluding grading complete.	Sqm	332.85
15012	15.87	Providing and fixing on wall face C.I. Rain water pipe including filling the joints with spun yarn soaked in neat cement slurry and cement mortar 1:2 (1- Cement : 2-fine sand) (A) 75 mm dia.	Rmt	194.25

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
15013	15.88	Providing and fixing M.S Holder bat clamps of approved design to C.I. or S.C.I. pipes embedded in and including cement concrete blocks 100mm x 100mm x 100mm. size of 1:2:4 (1-Cement : 2- coarse sand :4- graded stone aggregate of 20mm nominal size) and cutting holes and making good the wall etc, complete. (A) 75mm dia.	Each	76.65
15014	15.9	Providing and fixing and embedding sand, C.I. rain water pipes in the masonry surrounded with 12mm thick cement mortar of the same mix as that of masonry. (A) 75 mm dia pipe.	Rmt	194.25
15016A	15.94	Providing and fixing for wall plugs and standard holder bat clamps comprising of two semicircular haves of flat iron and cast iron base screwed on wooden plugs. (B) 80 mm dia.	Each	44.00
15016B	15.94	Providing and fixing for wall plugs and standard holder bat clamps comprising of two semicircular haves of flat iron and cast iron base screwed on wooden plugs. (C) 100 mm dia.	Each	49.25
15019		Providing and Fixing 6 mm thick Lexan Polycarbonate multi wall roofing sheet fixed with hilti screw and rubber silicon sealer and alluminium strip of size 50 x 3 mm etc complete as directed by Engineer in charge.	Sqm	1684.60

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 16 CEILING & LINING				
16001AA	16.3	Providing and fixing wooden planks ceiling with tongued and grooved jointing and wood screws (frame work and cover fillings to be measured and laid for separately) (A) Indian Teak wood (i) 12mm thick	Sqm	995.40
16001BA	16.3	Providing and fixing wooden planks ceiling with tongued and grooved jointing and wood screws (frame work and cover fillings to be measured and laid for separately) (A) Indian Teak wood (ii) 20mm thick	Sqm	1585.88
16001CA	16.3	Providing and fixing wooden planks ceiling with tongued and grooved jointing and wood screws (frame work and cover fillings to be measured and laid for separately) (A) Indian Teak wood (iii) 25mm thick	Sqm	1944.19
16002	16.3A	Deduct for butt jointing in place of touged and grooved type joint in item No.16.3	Sqm	24.99
16003A	16.4	Providing and fixing fibre insulations board lining with butt jointing and Nails (frame worked cover fillets to be measured and paid for separately) (i) 12mm thick	Sqm	262.50
16003B	16.4	Providing and fixing fibre insulations board lining with butt jointing and Nails (frame worked cover fillets to be measured and paid for separately) (ii) 18mm thick	Sqm	371.70
16003C	16.4	Providing and fixing fibre insulations board lining with butt jointing and Nails (frame worked cover fillets to be measured and paid for separately) (iii) 25mm thick	Sqm	469.87
16004A	16.13	Providing and plywood lining with but jointed and nails (frame work and cover fillets to be measured and paid for separately) (i) 6mm thick ply.	Sqm	267.75
16004B	16.13	Providing and plywood lining with but jointed and nails (frame work and cover fillets to be measured and paid for separately) (ii) 9mm thick ply.	Sqm	393.75

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
16006		Providing and fixing eco-friendly light weight calcium silicate false ceiling tiles having Tegular edge & 15 mm Thick Densified edges on the Tile Periphery for Extra Strength The Light weight calcium silicate ceiling tiles shall have , light reflection 85% non-combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity 0.043° w/m KC.for the best thermal Insulation . The Light weight calcium Silicate tile shall be of approved texture Fine fissured/ Spintone/Cosmos having NRC value of 0.5 & Globe having NRC value of 0.75 NRC or equivalent of size 595 X 595 mm to be laid on true horizontal level suspended inter locking metal grid of hot dipped galvanized steel sections (galvanizing @120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and size of 24X38mm made from 0.30 mm thick (minimum) sheet, 1200mm centre to centre, and cross 'T' of size 24X28mm made out of 0.33mm (Minimum) sheet spaced 1200mm along spaced between main 'T' at 600mm centre to centre to form agrid of 1200X600mm and secondary cross 'T' of length 600mm and size 24x28mm made of 0.30 mm thick (Minimum) sheet to be interlocked at middle of the 1200X600mm panel to form grid of size 600X600mm resting on periphery walls/partitions on a perimeter wall angle pre-coated steel of size (24X24X3000mm made of 0.40mm thick (minimum) sheet with the help of rawl	Sqm	1750.43
16007		Pro. And fixing single layer water proof gypsum board 12.5 mm thick sections using water proof board of size 1220 mm x 1830 mm x 8.0 mm suspended by GI suspender channel of size 25 mm x 3 mm with intermediate channel og size 18 mm x 40 mm x 0.8 mm at 1220 mm center to center ceiling section of size 40 mm x 35 mm x 0.55 mm at 457 mm c/c and perimeter channel A of size 20 mm x 27 mm x 30 mm x 0.5 mm at edges & drops incl.paper tap sand sofit cleat, anchor fastener, scoch bolt connecting cleat,joining compound top coat on ceiling incl.making necy.opening for light fitting,diffuser etc. comp. as per detail drawing as directed	Sqm	703.93

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 17 PLASTERING & POINTING				
17001A	17.58	Providing 10mm thick cement plaster in single coat on brick/concrete walls for interior plastering upto floor two level and finished even and smooth in (i)Cement mortar 1:3 (1-cement:3-sand)	Sqm	85.16
17001B	17.58	Providing 10mm thick cement plaster in single coat on brick/concrete walls for interior plastering upto floor two level and finished even and smooth in (ii) Cement mortar 1:4 (1-cement :4-sand)	Sqm	76.86
17001C	17.58	Providing 10mm thick cement plaster in single coat on brick/concrete walls for interior plastering upto floor two level and finished even and smooth in (iii) Cement mortar 1:6 (1-cement:6-sand)	Sqm	68.25
17002A	17.6	Providing 15mm thick cement plaster in single coat on Rough (Similar)side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in (i) Cement mortar 1:3 (1-cement:3-sand)	Sqm	113.40
17002B	17.6	Providing 15mm thick cement plaster in single coat on Rough (Similar)side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in (ii) Cement mortar 1:4 (1-cement :4-sand)	Sqm	101.33
17002C	17.6	Providing 15mm thick cement plaster in single coat on Rough (Similar)side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in (iii) Cement mortar 1:6 (1-cement:6-sand)	Sqm	88.94
17003A	17.61	Providing 20mm thick cement plaster in single coat on single or half brick walls for interior plastering upto floor two level and finished even and smooth in (i) Cement mortar 1:3 (1-cement:3-sand)	Sqm	144.90
17003B	17.61	Providing 20mm thick cement plaster in single coat on single or half brick walls for interior plastering upto floor two level and finished even and smooth in (ii) Cement mortar 1:4 (1-cement :4-sand)	Sqm	128.10
17003C	17.61	Providing 20mm thick cement plaster in single coat on single or half brick walls for interior plastering upto floor two level and finished even and smooth in (iii) Cement mortar 1:6 (1-cement:6-sand)	Sqm	111.30
17004A	17.69	Extra over items 58 to 64 for finishing with a floating coat of neat cement slurry.	Sqm	31.82

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
17005	17.7	(A) Extra over items 58 to 67 for providing and mixing water proofing materials in cement mortar in proportion recommended by the manufacturer.	Per bag of 50Kg of Cement	57.55
17006	17.91	Extra over items 58 to 71 for plastering on ceilings and soffits of stairs upto floor two level instead of plastering on walls.	Sqm	16.38
17007A	17.94	Extra over items 1 to 69, 71 to 87 and 90 for interior plastering above floor two level for every additional storey height. (1) Single coat plaster	Sqm x No. of storey	15.02
17007B	17.94	Extra over items 1 to 69, 71 to 87 and 90 for interior plastering above floor two level for every additional storey height.(2) Two coat plaster	Sqm x No. of storey	17.12
17007C	17.94	Extra over items 1 to 69, 71 to 87 and 90 for interior plastering above floor two level for every additional storey height. (3) Floating coat of neat cement	Sqm x No. of storey	3.05
17008	17.93	Extra over item 91 for plastering on ceiling and soffits of stairs above floor two level for every additional storey height.	Sqm	13.76
17009	17.95	20mm thick sand faced cement plaster on walls upto height 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1-sand) etc. complete.	Sqm	198.45
17010A	17.116	Pointing on brickwork with cement mortar 1:3 (1-cement : 3-coarse sand) (A) Flush pointing	Sqm	60.06
17010B	17.116	Pointing on brickwork with cement mortar 1:3 (1-cement : 3-coarse sand) (B) Ruled pointing	Sqm	62.27
17011A	17.117	Pointing on brickwork with cement mortar 1:4 (1-cement : 4-coarse sand)(A) Flush pointing	Sqm	57.86
17011B	17.117	Pointing on brickwork with cement mortar 1:4 (1-cement : 4-coarse sand) (B) Ruled pointing	Sqm	60.06
17012A	17.14	Pointing on coursed stone masonry with cement mortar 1:3 (1-cement : 3-coarse sand) (A) Flush pointing	Sqm	55.02
17012B	17.14	Pointing on coursed stone masonry with cement mortar 1:3 (1-cement : 3-coarse sand) (B) Ruled pointing	Sqm	56.70
17013A	17.144	Pointing on Uncoursed stone masonry with cement mortar 1:3 (1-cement : 3-coarse sand) (A) Flush pointing	Sqm	65.73
17013B	17.144	Pointing on Uncoursed stone masonry with cement mortar 1:3 (1-cement : 3-coarse sand)(B) Ruled pointing	Sqm	68.36

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
17014	17.154	Extra over item 17.112 to 17.151 for pointing on walls on the outside at height more than 10metres from ground level for every additional height of 5 metres of part there of.	Sqm	4.31
17015	0	Providing cement vata (10cm. x 10 cm. size) quarter round in cement mortar 1:1 including neat cement finishing, watering etc. complete.	Rmt	18.48
17017		Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 Coarse sand) finished with trovel including scaffolding curing etc. complete.	Sqm	178.50
17018		Providing 20 mm thick cement plaster by using Ready Mix Mortar for plaster in single coat on single or half brick walls for interior plastering upto floor two level and finished even and smooth in Cement mortar 1:6 (1 Cement : 6 sand)	Sqm	212.93
17019		Providing 15 mm thick cement plaster by using Ready Mix Mortar for plaster in single coat on rough (similar) side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in Cement mortar 1:6 (1 Cement : 6 sand)	Sqm	161.66
17020		Providing 10 mm thick cement plaster by using Ready Mix Mortar for plaster in single coat on brick/ concrete walls for interior plastering upto floor two level and finished even and smooth in Cement mortar 1:6 (1 Cement : 6 sand)	Sqm	106.58
17021		Providing 20 mm thick cement plaster by using Ready Mix Mortar for plaster in single coat on single or half brick walls for interior plastering upto floor two level and finished even and smooth in Cement mortar 1:4 (1 Cement : 4 sand)	Sqm	231.66
17022		Providing 15 mm thick cement plaster by using Ready Mix Mortar for plaster in single coat on rough (similar) side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in Cement mortar 1:4 (1 Cement : 4 sand)	Sqm	170.14
17023		Providing 10 mm thick cement plaster by using Ready Mix Mortar for plaster in single coat on brick/ concrete walls for interior plastering upto floor two level and finished even and smooth in Cement mortar 1:4 (1 Cement : 4 sand)	Sqm	115.95

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
17024		Providing 20 mm thick cement plaster by using Ready Mix Mortar for plaster in single coat on single or half brick walls for interior plastering upto floor two level and finished even and smooth in Cement mortar 1:3 (1 Cement : 3 sand)	Sqm	248.59
17025		Providing 10 mm thick cement plaster by using Ready Mix Mortar for plaster in single coat on brick/ concrete walls for interior plastering upto floor two level and finished even and smooth in Cement mortar 1:3 (1 Cement : 3 sand)	Sqm	126.32
17026		Providing 15 mm thick cement plaster by using Ready Mix Mortar for plaster in single coat on rough (similar) side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in Cement mortar 1:3 (1 Cement : 3 sand)	Sqm	186.55

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 18 WHITE WASHING COLOR WASHING DISTEMPERING & OTHER FINISHES				
18001	18.11	White washing with lime on wall surface (two coats) to give an even shade including thoroughly booming the surface to remove all dirt, dust; mortar drops and other foreign matter.	Sqm	7.98
18002	18.12	White washing with lime on wall surface (one coats) to give an even shade including thoroughly booming the surface to remove all dirt, dust; mortar drops and loose scales of lime wash and other foreign matter.	Sqm	3.68
18003	18.13	Extra over items 11 to 12 for every subsequent coat of white washing with lime on wall surface.	Sqm	3.68
18004	18.14	Extra over item 11 for white washing with lime on ceilings and/or sloping roofs.	Sqm	0.74
18005	18.15	Extra over Item 2 for white washing with lime on ceilings and sloping roofs.	Sqm	0.32
18006	18.16	Extra over Item 13 for every subsequent coat of white washing with lime on ceilings and/or sloping roofs.	Sqm	0.32
18007	18.17	Colour washing with lime on wall surface (two coats) over and including a primary coat of white washing to give an even shade after through brooming the surface to remove all dirt, dust, mortar drops and other foreign matter.	Sqm	8.09
18008	18.18	Colour washing with lime on wall surface (one coats) to give an even shade including throughly brooming the surface to loose scales of lime wash and other foreign matter.	Sqm	5.15
18009	18.19	Extra over item 17 to 18 for every subsequent coat of colour wash with lime on wall surface	Sqm	5.15
18010	18.2	Extra over Item 17 for colour washing on ceilings and/or sloping roofs.	Sqm	1.37
18011	18.21	Extra over items 18,19 for colour washing on ceilings and sloping roofs.	Sqm	1.37
18012	18.29	Cement washing with portland cement slurry on wall surface (one coat) to give a smooth finish including thoroughly broomings the surface to remove all dirt, mortar drops and other foreign Brand.	Sqm	7.56
18013	18.3	Extra over Item No. 29 for every subseqent coat of cement washing with port land cement slurry	Sqm	7.56
18014	18.33	Removing dry or oil bound distemper by a washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete.	Sqm	7.25
18015	18.34	Extra over item 33 for removing dry oil bound distemper on ceilings and sloping roofs.	Sqm	1.05

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
18016	18.38	Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on wall surfaces of given an even shade, over and including a priming coat of whitening after thoroughly brooming the surface free from mortar dropping and other foreign matter.	Sqm	32.24
18017	18.39	Distempering with dry distemper of approved brand and manufacture (One coats) and of required shade on wall surfaces of given an even shade, after thoroughly brushing the surface clean of all grease, dirt, loose pieces of scales including preparing the surface even and sand papered smooth.	Sqm	10.29
18018	18.4	Extra over Items No. 38 and 39 of every subsequent coat at distempering with dry distemper of approved brand and manufacture.	Sqm	9.45
18019	18.41	Extra over item 38 for distempering with dry distemper on ceilings and sloping roofs.	Sqm	4.20
18020	18.42	Extra over item 39,40 for distempering with dry distemper on ceilings and sloping roofs.	Sqm	1.05
18021	18.44	Distempering (Two coats) with oil bound distemper of approved brand and manufacture and of required shade on wall surfaces to give an even shade, over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar dropping and other foreign matter and also including preparing the surface even and sand papered smooth.	Sqm	48.20
18022	18.45	Distempering (Two coats) with oil bound washable distemper of approved brand and manufacture and of required shade on wall surfaces to give an even shade, over and including a priming coat with alkali resistance primer of approved brand after thoroughly brushing the surface and other foreign matter and also including preparing the surface even and sand papered smooth.	Sqm	48.20
18023	18.46	Distempering (One coats) with oil bound washable distemper of approved brand and of required shade on wall surfaces to give an even shade, after thoroughly brushing the surface clean of all grease dirt, loose pieces of scales and also including distempering with oil bound washable distemper of preparing the surface even and smooth.	Sqm	18.17
18024	18.47	Extra over Item 44 to 46 for every subsequent coat of approved brand and manufacture.	Sqm	19.64

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
18025	18.48	Extra over Item 44,45 for distempering with oil bound washable distemper on ceiling and sloping roofs.	Sqm	5.25
18026	18.49	Extra over Item 46,47 for every subsequent coat of distempering on ceiling and sloping roofs.	Sqm	2.10
18027	18.51	Finishing wall with water proofing cement paint of on wall surfaces (Two coats) to give an approved brand and manufacture and of required shape even shade after thoroughly brushing the surface to remove all dirt and remains of loose powered materials.	Sqm	38.22
18028	18.53	Extra over Item 51 for every subsequent coat of water proofing cement paint of approved brand and manufacture.	Sqm	20.79
18029	18.54	Extra over item 51 for finishing with cement paint on ceiling and sloping roofs.	Sqm	4.20
18030	18.56	Extra over item 53 for every subsequent coat of finishing with cement paint on ceiling and sloping roofs.	Sqm	2.10
18031	18.57	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	Sqm	53.03
18032	18.59	Extra over item 57 for every subsequent coat of wall painting with plastic emulsion pain of approved brand.	Sqm	28.77
18033	18.6	Extra over item 57 for painting with plastic emulsion paint of approved brand on ceilings and sloping roofs.	Sqm	3.47
18034	18.62	Extra over item 59 for every subsequent coat of painting with plastic emulsion paint on ceiling and slopping roofs.	Sqm	1.37

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 19 PAINTING & POLISHING				
19001	19.2	Applying priming coat over new steel and other metal surface after and including preparing the surface by thoroughly cleaning, oil,grease, dirt and other foreign matter and scoured with brushes fine steel wood, scrapers and sand paper with ready mixed priming paint brushing red lead.	Sqm	22.89
19002	19.7	Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint, brushing, interior to give an even shade including cleaning the surface an even shade including cleaning the surface of all dirt, dust and other foreign matter.	Sqm	57.96
19003	19.11	Painting one coats (excluding priming coat) on previously painted steel and other metal surface with enamel paint, brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.	Sqm	36.33
19004	19.15	Extra over item 7 and 11 for every subsequent coat of paint	Sqm	40.85
19005	19.19	Painting two coats (excluding priming coat) on new steel and other metal surface with synthetic enamel paint, brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.	Sqm	47.57
19006	19.21	Painting one coats (excluding priming coat) on previously printed steel and other metal surface with synthetic enamel paint, brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.	Sqm	29.19
19007	19.23	Extra over item 19 and 21 for every subsequent coat of paint.	Sqm	36.44
19008B	19.5	Painting two coats (excluding priming coat) on external surface of new rain water, soil, waste and vent pipes and fittings with ready mixed bituminous brushing, black, anticorrosive to give an even shade including cleaning of all dirt, dust and other foreign matter. (B) 75mm dia.	Sqm	13.34
19008C	19.5	Painting two coats (excluding priming coat) on external surface of new rain water, soil, waste and vent pipes and fittings with ready mixed bituminous brushing, black, anticorrosive to give an even shade including cleaning of all dirt, dust and other foreign matter. (C) 100mm dia.	Sqm	16.70

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
19009B	19.59	Applying priming coat over new wood and wood based surface after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter, sand papering and knotting. (B) Ready mixed paint brushing wood primer pink.	Sqm	26.46
19009C	19.59	Applying priming coat over new wood and wood based surface after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter, sand papering and knotting. (C) Ready mixed paint brushing priming for enamel	Sqm	26.46
19010B	19.62	Extra over item 59 for every subsequent coat of priming coat. (B) Ready mixed paint brushing wood primer pink.	Sqm	29.51
19010C	19.62	Extra over item 59 for every subsequent coat of priming coat. (C) Ready mixed paint brushing priming for enamel	Sqm	29.51
19011	19.71	Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint, interior to give an even shade including cleaning the surface of all dirt, dust and other foreign matter sand papering and stopping.	Sqm	58.28
19012	19.73	Painting one coats (excluding priming coat) on previously painted wood and wood based surface with enamel paint, to give an even shade including cleaning the of all dirt, dust and other foreign matter.	Sqm	36.54
19013	19.75	Extra over item 71 and 73 for every subsequent coat of paint.	Sqm	40.85
19014	19.77	Painting two coats (excluding priming coat) on new wood and wood based surface with ready mixed paint, brushing, oil, gloss, semi gloss to give and even shade including cleaning of all dust, dirt and other foreign matter sand papering and stopping.	Sqm	69.72
19015	19.84	Varnishing two coats (excluding priming coat) on new wood and wood based surface under coating with flatting varnish and finished coat with varnish to give an even surface including cleaning the surface of all dirt, dust and sand papering so as to produce a smooth dry surface.	Sqm	35.39
19016	19.86	Extra over item 84 for every subsequent coat of varnish.	Sqm	20.58

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
19017	19.87	Polishing with french polish on new wood and wood based surface to give an even surface including cleaning, the surface of all dirt, dust and sand papering smooth and including a coat of wood filler.	Sqm	82.32
19018	19.88	Polishing with french polish on previously polished wood and wood based surface to give an even surface including cleaning, the surface of all dirt, dust and sand papered smooth and including a coat of wood filler.	Sqm	54.92
19019	19.91	Applying wax polish on new wood and wood surface with bees wax polish in proportion of 2:1.5 :1:0.5 (2-Bees wax : 1.5 Linseed oil : 1- Turpentine even surface including cleaning the surface of all dirt dust and sand papered smooth.	Sqm	42.84
19020	19.92	Applying wax polish on previously wax polished wood and wood based surface with bees wax polish in proportion of 2:1.5 :1:0.5 (2-Bees wax : 1.5 Linseed oil : 1- Turpentine : 0.5 varnish by weight to give an even surface including cleaning the surface of all dirt dust and sand papered smooth.	Sqm	23.73
19021	19.98	Coat tarring two coats on new wood and wood based surfaces using 0.16 and 0.12 Litres of coal tar par Sq.M. in the first and second coat respectively to give an even shade including cleaning of all dirt, dust and other foreign matter.	Sqm	21.95
19022	19.1	Extra over item 19.98 or every subsequent coat of paint	Sqm	16.59
19023A	19.11	Writing letter or figures on any surface with black japan paint (stops,comas, hyphens and the like not to be measured and paid for separately)(i) Block (Letters/Figures) (Per 10 Letter per CM.HT)	Per Letter Per Cm/Ht.	2.10
19023B	19.11	Writing letter or figures on any surface with black japan paint (stops,comas, hyphens and the like not to be measured and paid for separately) (ii) Indian (Letters/Figures)	Per Letter Per Cm/Ht.	2.21
19024A	19.121	Extra over items 19.119 for using thick white paint instead of black japan paint. (i) Block (Letters/Figures)	Per Letter Per Cm/Ht.	0.08
19024B	19.121	Extra over items 19.119 for using thick white paint instead of black japan paint. (ii) Indian (Letters/Figures)	Per Letter Per Cm/Ht.	0.08
19025A	19.126	Painting lines, dashes, arrows, letters etc on roads, Air fields and like in two coats with road marking paint, brushing including cleaning the surface of all dirt, dust and other foreign matter. (i) Over 10cm in width	Sqm	81.90

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
19025B	19.126	Painting lines, deashes, arrows, letters etc on roads, Air fields and like in two coats with road marking paint, brushing including cleaning the surface of all dirt, dust and other foreign matter. (ii) Upto 10 cm in width	Rmt	8.61
19026A	19.127	Painting lines, deashes, arrows, letters etc on roads, Air fields and like in one coats with road marking paint, brushing including cleaning the surface of all dirt, dust and other foreign matter. (i) Over 10cm in width	Sqm	36.33
19026B	19.127	Painting lines, deashes, arrows, letters etc on roads, Air fields and like in one coats with road marking paint, brushing including cleaning the surface of all dirt, dust and other foreign matter. (ii) Upto 10 cm in width	Sqm	3.78
19031		Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete	sqm	75.60
19032		Applying two coats of putty & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	sqm	47.41

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 20 DEMOLITION & DISMANTLING				
20001A	20.1	Demolition and disposal of unserviceable materials with all lead and lift.(i) Lime concrete.	cu.m	340.20
20001B	20.1	Demolition and disposal of unserviceable materials with all lead and lift.(i) Lime concrete.	cu.m	391.65
20002	20.3	Demolition including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (i) R.C.C. work	cu.m	680.40
20003A	20.11	Demolition of Brick work and stone masonry including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (i) In Lime Mortar.	cu.m	235.20
20003B	20.11	Demolition of Brick work and stone masonry including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.(ii) In Cement Mortar.	cu.m	353.85
20004	20.21	Demolition of terrace including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.(i) Brick tile covering.	Sqm	41.06
20005	20.23	Dismantling tiled of stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.	Sqm	30.87
20006	20.25	Dismantling of wooden floors including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.	Sqm	46.20
20007A	20.27	Dismantling of sheet roofing including ridges, Hips, Valleys, Gutters etc. stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.(i) G.I.sheet roofing.	Sqm	30.87
20007B	20.27	Dismantling of sheet roofing including ridges, Hips, Valleys, Gutters etc. stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.(ii) A.C. sheet roofing.	Sqm	34.34
20008	20.28	Dismantlings manglore of country tile roofing with battens boarding etc. including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.(ii) A.C. sheet roofing.	Sqm	56.28
20010	20.35	Dismantling wood work, wrought framed and fixed in frames trusses including stacking the materials with all lead and lift.	cu.m	1129.80
20011	20.39	Dismantling expanded metal or I.R.C Fabric with necessary battens and beadings including frame work, and stacking the serviceable materials with all lead and lift.	Sqm	35.91

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
20012	20.43	Dismantling steel work including distempering and stacking the materials with all lead and lift.	Kg	2.42
20013A	20.49	Dismantling doors, windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachment etc. complete and stacking them within all lead and lift.(i) Not exceeding 3 Sq.M. in area.	Each	120.75
20013B	20.49	Dismantling doors, windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachment etc. complete and stacking them within all lead and lift.(ii) Exceeding 3 Sq.M. in area.	Each	161.70
20014	20.51	Dismantling barbed wire in fencing including making rolls and also including dismantling fencing posts including all earth work concrete in base and making good the disturbed ground stacking useful materials as directed and disposing as directed and disposing of the unserviceable materials with all lead and lift.	Rmt	42.84
20015	20.56	Dismantling C.I. pipes G.S.W.pipes abd A.C. rain water pipes with fittings and clamps including stacking the materials with all lead and lift (for any dia, of pipe)	Rmt	48.20
20016	0	Dismantling sanitary fittings like wash basin . W.C. pan Indian and European type, flushing tank etc. including stacking the materials with all lead and lift.	Each	260.40
20017	0	Scraping oil paint from steel and other metal surface and making the surface even (with Hand Scraping.)	Sqm	32.55
20040		Providing and fixing 15 mm diameter backup rod having minimum density 22 kg per cum (ASTMD - 3575) & compression strength of 0.40 kg per sqm (ASTM - 5249) and finishing with polysulphide sealant etc. complete. For 12 mm wide expansion joint	Rmt	11.97
20041		Providing and fixing 25 mm diameter backup rod having minimum density 22 kg per cum (ASTMD - 3575) & compression strength of 0.40 kg per sqm (ASTM - 5249) and finishing with polysulphide sealant etc. complete. For 20 mm wide expansion joint	Rmt	17.90
20042		Providing and fixing 30 mm diameter backup rod having minimum density 22 kg per cum (ASTMD - 3575) & compression strength of 0.40 kg per sqm (ASTM - 5249) and finishing with polysulphide sealant etc. complete. For 25 mm wide expansion joint	Rmt	20.66

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
20043		Providing and fixing 50 mm diameter backup rod having minimum density 22 kg per cum (ASTMD - 3575) & compression strength of 0.40 kg per sqm (ASTM - 5249) and finishing with polysulphide sealant etc. complete. For 40 mm wide expansion joint	Rmt	59.37
20044		Providing and fixing 60 mm diameter backup rod having minimum density 22 kg per cum (ASTMD - 3575) & compression strength of 0.40 kg per sqm (ASTM - 5249) and finishing with polysulphide sealant etc. complete. For 50 mm wide expansion joint	Rmt	77.80
20045		Removing and scraping of old deteriorated plaster of any thickness from wall / R.C.C member including stacking of serviceable material and disposal of unserviceable from site of work with all lead and lift	Sqm	12.50
20046		Providing and fixing of Corner Angle for Various Flashing in 100mm x 100mm size in Equal Shape with 5mm edge lipping on both side . The Angle Flashing shall be made out of 0.5 mm thick pre coated GI sheet with edge bending of approximate 5mm. The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The U track shall be fixed with suitable POP rivet with wall and roof panels with minimum spacing of 450 mm c/c.	sqm	502.95

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
20047		Providing and fixing of Corner Angle for Various Flashing in 150mm x 150mm size in Equal Shape with 5mm edge lipping on both side . The Angle Flashing shall be made out of 0.5 mm thick pre coated GI sheet with edge bending of approximate 5mm. The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The U track shall be fixed with suitable POP rivet with wall and roof panels with minimum spacing of 450 mm c/c.	sqm	506.10
20048		Providing and fixing PUF Insulated continuous sandwich panels for roofs of total thickness not less than 30 mm made out from continue line method.Panel shall have 0.5 mm thick pre coated GI sheet on both side of Polyurethane foam with external face being corrugated in shape for GI and PU foam both material.The crest height of the panel shall be of 35mm minimum wiht 250mm c/c pitch. The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of 120 gsm as per IS:277 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron.The PPGI Sheet shall have protective guard film of minimum 25 microns to avoid scratches wihile trasportation.The roof panels are laid over a frame work of trusses, columns and purlins fixed using 90mm self drilling bolt with rubber washer including all types of flashings. PU Foam must be self-extinguishing, fire retardant type having minimum density of 40 Kg/Cu.mt.(+, - 2 Kgs) including 0.25mm craft paper edging,self tapping screws of required length and nos.etc complete as per structural design and direction of Engineer-in-charge.	Sqm	2826.41

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
20049		Providing and fixing PUF Insulated continuous sandwich panels for roofs of total thickness not less than 30 mm made out from continue line method.Panel shall have 0.35 mm thick pre coated GI sheet on both side of Polyurethane foam with external face being corrugated in shape for GI and PU foam both material.The crest height of the panel shall be of 35mm minimum wiht 250mm c/c pitch. The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of 120 gsm as per IS:277 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron.The PPGI Sheet shall have protective guard film of minimum 25 microns to avoid scratches wihile trasportation.The roof panels are laid over a frame work of trusses, columns and purlins fixed using 90mm self drilling bolt with rubber washer including all types of flashings. PU Foam must be self-extinguishing, fire retardant type having minimum density of 40 Kg/Cu.mt.(+, - 2 Kgs) including 0.25mm craft paper edging,self tapping screws of required length and nos.etc complete as per structural design and direction of Engineer-in-charge.	Sqm	2556.85
20050		Providing and fixing PUF Insulated continuous sandwich panels for walls of total thickness not less than 50 mm and width 1.0 m made out from continue line method on automatic plant.Panel shall have 0.5 mm thick pre coated GI sheet on both side of Polyurethane Foam confirming to IS 12436:1988.The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron.The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during trasportation.The panels shall be vertically joined together by tongue and groove joints. The PU Foam shall be self-extinguishing, fire retardant type having minimum density of 40 Kg/Cu.mt.(+, - 2 Kgs) including 0.25 mm thick craft paper edging on both edges. The panels shall be fixed to the steel frame structure with minimum 5mm thick self tapping GI screws of required length and nos. with minimum spacing of 300 mm c/c.	Sqm	2837.62

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
20051		Providing and fixing PUF Insulated continuous sandwich panels for walls of total thickness not less than 50 mm and width 1.0 m made out from continue line method on automatic plant.Panel shall have 0.35 mm thick pre coated GI sheet on both side of Polyurethane Foam confirming to IS 12436:1988.The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron.The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during trasportation.The panels shall be vertically joined together by tongue and groove joints. The PU Foam shall be self-extinguishing, fire retardant type having minimum density of 40 Kg/Cu.mt.(+, - 2 Kgs) including 0.25 mm thick craft paper edging on both edges. The panels shall be fixed to the steel frame structure with minimum 5mm thick self tapping GI screws of required length and nos. with minimum spacing of 300 mm c/c.	Sqm	2526.39
20052		Providing and fixing PUF Insulated continuous sandwich panels for walls of total thickness not less than 40 mm and width 1.0 m made out from continue line method on automatic plant.Panel shall have 0.5 mm thick pre coated GI sheet on both side of Polyurethane Foam confirming to IS 12436:1988.The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron.The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during trasportation.The panels shall be vertically joined together by tongue and groove joints. The PU Foam shall be self-extinguishing, fire retardant type having minimum density of 40 Kg/Cu.mt.(+, - 2 Kgs) including 0.25 mm thick craft paper edging on both edges. The panels shall be fixed to the steel frame structure with minimum 5mm thick self tapping GI screws of required length and nos. with minimum spacing of 300 mm c/c.	Sqm	2758.19

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
20053		Providing and fixing PUF Insulated continuous sandwich panels for walls of total thickness not less than 40 mm and width 1.0 m made out from continue line method on automatic plant.Panel shall have 0.35 mm thick pre coated GI sheet on both side of Polyurethane Foam confirming to IS 12436:1988.The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron.The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation.The panels shall be vertically joined together by tongue and groove joints. The PU Foam shall be self-extinguishing, fire retardant type having minimum density of 40 Kg/Cu.mt.(+, - 2 Kgs) including 0.25 mm thick craft paper edging on both edges. The panels shall be fixed to the steel frame structure with minimum 5mm thick self tapping GI screws of required length and nos. with minimum spacing of 300 mm c/c.	Sqm	2446.97
20054		Structural steel work (Confirming to IS 4923-1997) riveted, bolted or welded in builtup for all type sections, in framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete as per the structural designs and directions of Engineer in charge.Column (122 x 61 x 3.6mm)	kg	115.73
20055		Providing and fixing of Bottom and top U track for closing of end joints for cut PUF panels of size of 52mm x 30mm with 5mm lipping on Both edges. The U track shall be made out of 0.5 mm thick pre coated GI sheet.The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The U track shall be fixed with suitable POP rivet with wall roof panels and plinth with Expandable fastners with minimum spacing of 450 mm c/c. The Utrack shall be fixed	Rmt	407.40

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
20056		Providing and fixing of Bottom and top U track for closing of end joints for cut PUF panels of size of 52mm x 30mm with 5mm lipping on Both edges. The U track shall be made out of 0.5 mm thick pre coated GI sheet.The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The U track shall be fixed with suitable POP rivet with wall roof panels and plinth with Expandable fastners with minimum spacing of 450 mm c/c. The Utrack shall be fixed	Rmt	376.95
20057		Providing and fixing of Ridge flashing for roof panel shall be made out of 0.5 mm thick pre coated GI sheet . The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The ridge shall be fixed to the steel members by pop rivet or self drilling/self stitching fastners @ maximum 450 mm c/c along length of capping/flashing etc complete .	Rmt	514.50
20057A		Providing and fixing of Ridge flashing for roof panel shall be made out of 0.5 mm thick pre coated GI sheet . The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The ridge shall be fixed to the steel members by pop rivet or self drilling/self stitching fastners @ maximum 450 mm c/c along length of capping/flashing etc complete .	Sqm	857.85

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
20058		Providing and fixing of end cap of Roofing panel. The End Cap track shall be made out of 0.5 mm thick pre coated GI sheet suitable for 30mm thick panel.The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The U track shall be fixed with suitable POP rivet with wall and roof panels with minimum spacing of 450 mm c/c.	Rmt	500.85
20059		Providing and fixing of end cap of Roofing panel. The End Cap track shall be made out of 0.5 mm thick pre coated GI sheet suitable for 40mm thick panel.The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The U track shall be fixed with suitable POP rivet with wall and roof panels with minimum spacing of 450 mm c/c.	Rmt	449.40
20060		Providing and fixing of Corner Angle for Various Flashing in 25mm x 25mm size in Equal Shape with 5mm edge lipping on both side . The Angle Flashing shall be made out of 0.5 mm thick pre coated GI sheet with edge bending of approximate 5mm. The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The U track shall be fixed with suitable POP rivet with wall and roof panels with minimum spacing of 450 mm c/c.	Rmt	326.55

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
20061		Providing and fixing of Corner Angle for Various Flashing in 50mm x 50mm size in Equal Shape with 5mm edge lipping on both side . The Angle Flashing shall be made out of 0.5 mm thick pre coated GI sheet with edge bending of approximate 5mm. The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The U track shall be fixed with suitable POP rivet with wall and roof panels with minimum spacing of 450 mm c/c.	Rmt	367.50
20062		Providing and fixing of Corner Angle for Various Flashing in 100mm x 100mm size in Equal Shape with 5mm edge lipping on both side . The Angle Flashing shall be made out of 0.5 mm thick pre coated GI sheet with edge bending of approximate 5mm. The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The U track shall be fixed with suitable POP rivet with wall and roof panels with minimum spacing of 450 mm c/c.	Rmt	505.05
20063		Providing and fixing of Corner Angle for Various Flashing in 150mm x 150mm size in Equal Shape with 5mm edge lipping on both side . The Angle Flashing shall be made out of 0.5 mm thick pre coated GI sheet with edge bending of approximate 5mm. The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The U track shall be fixed with suitable POP rivet with wall and roof panels with minimum spacing of 450 mm c/c.	Rmt	578.55

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
20064		Preparing and applying of water soluble, nonflammable, reactive and penetrative silane nanotechnology with water (<1000 ppm TDS) in the ratio of 1 liter silane :20 liter water mixed with 0.5 liter acrylic copolymer polymer compatible and stable in silane solution. Take 1 liter of silane nanotechnology and add in 20 liter water in drum under manual stirring and then add 0.5 liter acrylic copolymer under manual stirring and mix completely. Spray apply the solution at the rate of 1 liter per sqm on horizontal and 0.5 liter per sqm on vertical new or old cementitious / concrete surface . (For very dense concrete of M50 and above for bridges may not absorb 1 liter per sq meter so reduce the water of dilution to 1:10)Horizontal Surface	sqm	92.39
20064A		Preparing and applying of water soluble, nonflammable, reactive and penetrative silane nanotechnology with water (<1000 ppm TDS) in the ratio of 1 liter silane :20 liter water mixed with 0.5 liter acrylic copolymer polymer compatible and stable in silane solution. Take 1 liter of silane nanotechnology and add in 20 liter water in drum under manual stirring and then add 0.5 liter acrylic copolymer under manual stirring and mix completely. Spray apply the solution at the rate of 1 liter per sqm on horizontal and 0.5 liter per sqm on vertical new or old cementitious / concrete surface . (For very dense concrete of M50 and above for bridges may not absorb 1 liter per sq meter so reduce the water of dilution to 1:10)Vertical Surface	sqm	50.08

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 21 REPAIRS TO BUILDINGS				
21001	21.8	Providing and fixing M.S. fan clamps of shape and size as specified in existing R.C.C. slab including cutting chase and making good.	Each	111.30
21002A	21.23	Cutting out cracks of roof terrace to V- section , cleaning out, wetting , grouting with cement and sand slurry 1:3 (1-cement 3-sand)	Rmt	43.05
21003A	21.24	Cutting out cracks roof terrace to V-Section cleaning out and filling solidly with a hot mixture of bitumen and clean dry sand (1:1 by weight)	Rmt	49.56

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 22 MISCELLANEOUS BUILDING ITEMS				
22001	22.2	Providing and fixing 1.20 Metre high fencing with 2.0 Metre long M.S. Angle posts 40mm x 40 mm x 6 mm and oil painting 3 coats fixed at 2.5 Mt./c. with five Horizontal lines and two diagonals of galvanised steel barbed wire weighting 9.38 Kg. per 100 Metre, strained and fixed to posts with G.I. staples including fixing the posts in ground with 0.5 M x 0.5 M x 0.5 M. block in C.C. 1:5:10 etc complete.	Rmt	330.75
22002	0	Construction of B.B. masonry paniyara 23cm. x 75cm. wall and 15cm x 15cm curbing including fixing precast R.C.C. arble mosaic (Terrazo) slab of 75mm thickness on top and smooth finishing in cement plaster in C.M. 1:3 curing etc. complete including drainage out waste water arrangements.	Rmt	1310.40
22003	0	Constructing a sink (chowkedi) with C.C. 1:2:4, 12cm. thick over B.B. masonry in C.M. (1:6) in front and dwarf wall 1.0 Mt. high and 23 cm. thick cement plaster to masonry / in C.M. 1:3) and cement concrete flooring in 1:2:4: mi x 5 cm. dia. drain pipe etc. complete.	Rmt	1531.95
22004A	0	Constructing a cooking platform 60 cm. width and 70 cm high resting on B.B. Masonry walls 23 cm. thick in C.M. (1:6) with (i) Fixing or precast R.C.C. 1:2:4) 8 cm. thick slab with marble chips set in C.M. (1:6) (6mm thick terrazo) with plastering on exposed faces walls in C.M. (1:4) etc complete.	Rmt	1818.60
22004B	0	Constructing a cooking platform 60 cm. width and 70 cm high resting on B.B. Masonry walls 23 cm. thick in C.M. (1:6) with (ii) Fixing black kadappa stone 30mm thick laid on precast R.C.C. (1:2:4) slab with plastering on exposed faces of wall in C.M. (1:4) etc complete.	Rmt	2006.55

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
22005	0	Carrying out timber treatment to all wood work including drilling holes and spraying oil based chemical solution on surface of timber work for termite control including labor and material etc. complete. Using Chlorpyriphos 20 EC as per 6313 2013 Part III (1% concentration by mass) is recommended one litre chemical emulsion diluted with 19 liters of kerosene. Total diluted concentration will be 20 liters inclusive of 1 liter chemical emulsion application in drilled holes and 0.75 / Litre chemical per one Sqmt two coat on wood surface not protected by paint or varnish.	Smt	37.80
22006	0	Applying general insecticide pest control treatment to floors, cupboards etc including labour materials etc. complete. Using Imidacloprid 30.5 SCas Per IS 6313 part - II(0.075% concentration by mass) is recommended 10.5ml chemical diluted with 5 liters of water application 0.5 litre chemical /Sqm of surface is recommended as per I.S.	Smt	71.19
22007	0	Carring out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistment with I.S.I specification. Using Chlordene and Chiorpurfiles 20 EC. As Per 6131_paret-II Consentration Weight one percent is recommended i.e one litre 20 EC chemical emulsion with 19 liter give 1 % concenteration inclusive of one litre chemical emulsion appication at the rate of 5 Litre chemical / Sqm of surface is recommended as per I.S	Smt	140.70
22008	0	Carrying out wall treatment for termite control including spraying with chemical solution in oil base including labour and material Using Chlorpyriphos 20 ECAs per IS 6313 part - II (1% concentration by mass) is recommended i.e one litre chemical emulsion diluted with 19 liter oil base. Total solution will be 20 liters inclusive of one liter chemical emulsion application at the rate of 7.5 litre chemical / Sqm of surface is recommended as per I.S.	Smt	27.93
22009	0	Providing and fixing Rajula stone 75mm thick 60mm x 45mm size including fixing in cement mortar as directed.	Smt	94.29

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
22010A	0	Providing and laying bilimora type Brick facing in C.M. 1:1 laid over bedding of cement mortar 1:3 (20mm thickness) including clearing watering scaffolding etc. complete.	Smt	535.50
22011	0	Providing and fixing Teak wood rail of 60mm x 20mm size and 50cm. length including 3 coats of oil paint to wood work with set of 3 pags.	Rmt	65.00
22014		Providing erecting and fixing double coated ISI water tank of required capacity each with all necessary fittings and connection etc. complete on terrace	litre	4.61
22015		Pro. and mixing Migratory Corrosion Admixture having Specific Gravity 1.01 to 1.04 pH value (Minimum 9.50) shall be alkaline in nature and having bipolar concrete penetrating corrosion inhibiting properties, inhibitor shall be non-nitrite based & have the ability to provide corrosion protection to both anodic and cathodic sites on the steel surface, inhibitor-steel complex shall formed polydentate complexes, having more than one bond with steel per molecule of inhibitor, with steel surface to promote proper film formation with enhanced bond to steel, inhibiting the electro-chemical corrosion reaction, inhibitor shall not have any adverse effect on concrete compressive strength, inhibitor shall have a corrosion rate of zero coulombs per ASTM-G109-2005, admixture shall be conforming to IS 9103 and in liquid form at the rate of 3 kg per cmt vol. of concrete admixture shall be added to the water during mixing of cement.	Cum	846.29

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
22016		Pro. and mixing Migratory Corrosion Admixture having Specific Gravity 1.01 to 1.04 pH value (Minimum 9.50) shall be alkaline in nature and having bipolar concrete penetrating corrosion inhibiting properties, inhibitor shall be non-nitrite based & have the ability to provide corrosion protection to both anodic and cathodic sites on the steel surface, inhibitor-steel complex shall formed polydentate complexes, having more than one bond with steel per molecule of inhibitor, with steel surface to promote proper film formation with enhanced bond to steel, inhibiting the electro-chemical corrosion reaction, inhibitor shall not have any adverse effect on concrete compressive strength, inhibitor shall have a corrosion rate of zero coulombs per ASTM-G109-2005, admixture shall be conforming to IS 9103 and in liquid form at the rate of 5% by weight of cementitious materials.. Etc. complete.	Kg	14.13
22017		Providing and fixing Resin Bonded Rock Wool of density 48 kg / cum as & where required as directed by Engineer-in-Charge. Rock Wool confirming to IS: 8183	Cum	3153.64
22018		Providing and fixing Vapour Breather Membrane Confirming to IBC 2009 on Exterior Cement Board as & Where directed by Engineer-in-Charge.	Sqm	197.94
22019		Providing and Laying of One side alluminium foil thermal bubble insulation barrier on the external side of the LWGS wall Panel under the Cement Board as & Where directed by Engineer-in-Charge.	Sqm	153.15
22020		Providing and Fixing 12 mm thick moisture & fire resistant heavy duty Cement Fibre Board (High pressure steam cured) Confirming to ISO 4862-2000 in wall panels of one face of cold formed galvanised light gauge steel frame structure to form wall / partition as & Where directed by Engineer-in-Charge	Sqm	819.10
22021		Supply & fixing factory finished cold formed Light guage steel frame sections confirming to SP:6 (5) 1980 at site or work including riveted, bolted or welded in builtup for all type of sections ,in framed work, cutting, hoisting, fixing in position and applying primer coat of approved steel primer etc. complete as per structural designs & directions of Engineer-in-charge.	Kg	133.66

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
22022		Anti-Termite System:Providing and laying of permanent piping technology anti-termite treatment before flooring work by installing LLDP (Low linear density polyethylene) tube of 8 mm O.D. & 6.4 mm 1.D. with inbuilt pressure compensation chip every 30 cm interval in the tube, having working pressure of 2 Kg/cm ² and release rate of 1.9 ltr/hour fixed by P-clips and nails. The LLDP pipe shall be installed at the entire periphery of the building and at internal network of building at a depth of 20 to 200 mm under floor at every 2 to 3 mtr. c/c distance (adjusted as per building layout) & Ends of loop pass through a PVC elbow of minimum 32 mm ID at junction box of wall and floor level, entering into a steel reinforced grooved flexible pipe of minimum 22 mm ID leading into junction box and the loops shall terminate in junction boxes & test every junction during injecting chemicals for termite control treatment. The anti termite chemical Imidacloprid 30.5% SC mix as per IS-6313 (part III) shall be injected by the pressure pump diluted with water @ 10.5 ml/5 ltr of water at the rate of 2 Kg/sq.cm @ 5 Ltr/SMT. The contractor shall submit approved line plan for piping system and junction boxes dully approved by Engineer-in-Charge with bond of 5 year warranty.(i)Anti Termite chemical injected area (Chemical injecting incl. labour cost)	Sq.mt	133.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
22023		Anti-Termite System:Providing and laying of permanent piping technology anti-termite treatment before flooring work by installing LLDP (Low linear density polyethylene) tube of 8 mm O.D. & 6.4 mm 1.D. with inbuilt pressure compensation chip every 30 cm interval in the tube, having working pressure of 2 Kg/cm ² and release rate of 1.9 ltr/hour fixed by P-clips and nails. The LLDP pipe shall be installed at the entire periphery of the building and at internal network of building at a depth of 20 to 200 mm under floor at every 2 to 3 mtr. c/c distance (adjusted as per building layout) & Ends of loop pass through a PVC elbow of minimum 32 mm ID at junction box of wall and floor level, entering into a steel reinforced grooved flexible pipe of minimum 22 mm ID leading into junction box and the loops shall terminate in junction boxes & test every junction during injecting chemicals for termite control treatment. The anti termite chemical Imidacloprid 30.5% SC mix as per IS-6313 (part III) shall be injected by the pressure pump diluted with water @ 10.5 ml/5 ltr of water at the rate of 2 Kg/sq.cm @ 5 Ltr/SMT. The contractor shall submit approved line plan for piping system and junction boxes dully approved by Engineer-in-Charge with bond of 5 year warranty.(II)Anti Termite chemical injected area (Chemical injecting incl. labour cost)	sq.mt	63.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 23 WATER SUPPLY PLUMBING & SANITARY FITTING				
23001AA	23.2	Providing and fixing to wall, ceiling and floor galvanised Mild steel tubes (Medium grade) of the following nominal bore, tube fitting and clamps including making good the wall ceiling and floor.(A) 15mm	Rmt	161.70
23001BA	23.2	Providing and fixing to wall, ceiling and floor galvanised Mild steel tubes (Medium grade) of the following nominal bore, tube fitting and clamps including making good the wall ceiling and floor.(B) 20mm	Rmt	202.65
23001CA	23.2	Providing and fixing to wall, ceiling and floor galvanised Mild steel tubes (Medium grade) of the following nominal bore, tube fitting and clamps including making good the wall ceiling and floor.(C) 25mm	Rmt	279.30
23001DA	23.2	Providing and fixing to wall, ceiling and floor galvanised Mild steel tubes (Medium grade) of the following nominal bore, tube fitting and clamps including making good the wall ceiling and floor.(D) 32mm	Rmt	351.75
23001EA	23.2	Providing and fixing to wall, ceiling and floor galvanised Mild steel tubes (Medium grade) of the following nominal bore, tube fitting and clamps including making good the wall ceiling and floor.(E) 40mm	Rmt	429.45
23001FA	23.2	Providing and fixing to wall, ceiling and floor galvanised Mild steel tubes (Medium grade) of the following nominal bore, tube fitting and clamps including making good the wall ceiling and floor.(F) 50mm	Rmt	558.60
23002AA	23.4	Providing and laying in trenches galvanised mild steel tubes (Medium grade) of the following nominal bore, and tube fitting (Earthwork in trenches to be measured and paid for separately)(A) 15mm	Rmt	122.85
23002BA	23.4	Providing and laying in trenches galvanised mild steel tubes (Medium grade) of the following nominal bore, and tube fitting (Earthwork in trenches to be measured and paid for separately)(B) 20mm	Rmt	158.55
23002CA	23.4	Providing and laying in trenches galvanised mild steel tubes (Medium grade) of the following nominal bore, and tube fitting (Earthwork in trenches to be measured and paid for separately) (C) 25mm	Rmt	227.85

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
23002DA	23.4	Providing and laying in trenches galvanised mild steel tubes (Medium grade) of the following nominal bore, and tube fitting (Earthwork in trenches to be measured and paid for separately)(D) 40mm	Rmt	348.60
23002EA	23.4	Providing and laying in trenches galvanised mild steel tubes (Medium grade) of the following nominal bore, and tube fitting (Earthwork in trenches to be measured and paid for separately)(E) 65mm	Rmt	573.30
23002HA	23.4	Providing and laying in trenches galvanised mild steel tubes (Medium grade) of the following nominal bore, and tube fitting (Earthwork in trenches to be measured and paid for separately)(H) 80mm	Rmt	736.05
23003	23.6	Making connection of galvanised Mild steel distribution branch with galvanised mild steel main 50mm to 80mm nominal bore by providing and fixing tee including cutting and threading the pipes complete.	Each	590.10
23004A	23.8	Providing and fixing to wall ceiling and floor 6.0 Kg. F/Cm2 working pressure poluthene pipes of the following outside Dia. Low density, complete with special falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(A) 20mm	Rmt	52.08
23004B	23.8	Providing and fixing to wall ceiling and floor 6.0 Kg. F/Cm2 working pressure poluthene pipes of the following outside Dia. Low density, complete with special falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(B) 25mm	Rmt	67.31
23004C	23.8	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm2 working pressure poluthene pipes of the following outside Dia. Low density, complete with special falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(C) 32mm	Rmt	81.38
23004D	23.8	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm2 working pressure poluthene pipes of the following outside Dia. Low density, complete with special falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(D) 40mm	Rmt	110.25

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
23004E	23.8	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm ² working pressure poluthene pipes of the following outside Dia. Low density, complete with special falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(E) 50mm	Rmt	157.50
23004F	23.8	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm ² working pressure polythene pipes of the following outside Dia. Low density, complete with special falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(F) 75mm	Rmt	263.55
23004G	23.8	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm ² working pressure poluthene pipes of the following outside Dia. Low density, complete with special falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(G)110 mm	Rmt	334.95
23005BA	23.79	Providing and fixing cast iron spigot and socket soil, waste and ventilating pipes of the following nominal size.(B) 75mm dia.	Rmt	838.44
23005CA	23.79	Providing and fixing cast iron spigot and socket soil, waste and ventilating pipes of the following nominal size.(C) 100mm dia.	Rmt	1009.69
23006B	0	Providing and fixing in position cowel went to pipes.(B) 75mm dia.	Each	382.20
23006C	0	Providing and fixing in position cowel went to pipes.(C) 100mm dia	Each	518.70
23008	23.857	Providing and fixing cast iron (Spun) Nahni trap of the following nominal diameter of self cleaning design with C.I. screaed down or higned grating including cost of cutting and making good the walls and floor 100mm inlet and 50mm outlet.(C) 100mm dia.	Each	400.05
23009	23.111	Providing and fixing water closet squatting Pan (Indian type W.C. Pan) size 580mm (Earthwork, bed concrete, foot reste and trap to be measured and paid for separately) (A) Vitreous China.(I) Long pattern = White colour	Each	620.55
23010	23.112	Providing and fixing wsh down water closet (European type, W.C. Pan) with integral P or S trap including jointing the trap with soil pipe in Cement Mortar 1:1 (1-Cement : 1-fine sand) (Seal and cover to be measured and paid for separately)(A) vitreous China Pattern :(i) in white colour	Each	925.05

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
23011	23.113	Providing and fixing 100mm size P or S trap for water closet squatting pan including jointing the trap with the pan and soil pipe in cement Mortar 1:1 (1-Cement : 1-Fine sand)(A) Vitreous China.	Each	208.95
23012	23.114	Providing and fixing in Cement Mortar 1:3 (1-Cement : 3 coarse sand)a, pair of white vitreous China 250mm x 130mm x 30mm footrest to long pattern squatting pan water closet.	Each	90.30
23013	23.115	Providing and fixing 12.5 Litres low level flushing cistern with a pair, of C.I. or Mild brackets, complete with fittings such as lead valve less syphon, 15mm nominal size brass ball valve with polythene float, C.P brass handle unions and couplings for connections, with inlet, outlet and overflow pipes, 40mm dia. porcelain enamelled flush bend including cutting holes in walls and making good the same connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately)(A) Vitreous China (I) In white colour	Each	2188.20
23014	23.116	Providing and fixing 12.5 Litres high level C..I. flushing cistern with A pair of C.I. or Mild steel brackets, wocomplete with fittings such as syplionic arrangement, 15mm nominal size brass ball valve with polythene float, lever G.I. China (60 cm.) and pull union and couplings for connections with inlet, outlet and overflow pipes etc. including cutting holes in walls and making good the same (overflow pipe to be measured and paid fo separately)	Each	1085.70
23015	23.117	Providing and fixing in position with clamps etc. 32mm nominal internal diameter galvanised steel tube flush pipe for high level flushing cistern including connecting the flush pipe with cistern and closet and making good the walls and floors.	Rmt	303.45
23016	23.12	Providing and fixing G.I. inlet connection for flush pipe with W.C. Pan	Each	25.73
23017	23.121	Providing and fixing plastic seat and cover for wash down water closer with C.P. brass hinges and rubber buffers. (B) Black plastic seal and cover.	Each	340.37
23018	23.127	Providing and fixing washbasin with single hole for pillar tap with C.I. or M.S. brackets painted white including sutting holes and making good the same but excluding fittings.(A) Vitreous China:(ii) Flat Back washbasin 550 mm x v 400mm size. (i) In white colour.	Each	994.35

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
23019	23.13	Providing and fixing Kitchen sink with C.I. or M.S. brackets, painted white including cutting holes in walls and making good the same but excluding fittings. (C) Vitreous China Sink.(i) 600mm x 450mm x 150mm size	Each	2038.05
23020A	23.135	Providing and fixing C.P. brass waste for washbasin or sink. (A) 32mmdia.	Each	79.35
23020B	23.135	Providing and fixing C.P. brass waste for washbasin or sink. (B) 40mm dia.	Each	104.95
23021A	23.136	Providing and fixing M.I. fisher union for washbasin or sink. (A) 32mm dia.	Each	87.33
23021B	23.136	Providing and fixing M.I. fisher union for washbasin or sink. (B) 40mm dia.	Each	98.30
23022	23.139	Providing and fixing 100mm sand cast iron grating for gully, floor or Nahni trap.	Each	43.19
23023	23.141	Providing and fixing C.P. brass shower rose with 15mm or 20mm inlet.(A) 100mm dia. Each	Each	329.65
23024	23.143	Providing and fixing 600mm x 450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C. sheet or plywood sheet and fixing to wooden plug with C.P. brass screws and washers.	Each	611.10
23025	23.144	Providing and fixing C.P. brass towel rail complete with C.P. brass brackets fixed to wooden plugs with C.P. brass screws.(B) 600mm x 20mm size.	Each	502.95
23026	23.145	Providing and fixing 600mm x 120mm glass shelf with C.P. brass bracket and guard rail complete mixed to wooden plug with C.P. brass screws.	Each	342.30
23027	23.146	Providing and fixing toilet paper holder.(A) C.P. Brass	Each	362.25
23028A1	23.92	Providing and fixing screw down bib taps of following size.(A) Brass screw down bib tap polished bright. (i) 15mm dia.	Each	218.29
23028A2	23.92	Providing and fixing screw down bib taps of following size.(A) Brass screw down bib tap polished bright. (ii) 20mm dia.	Each	250.97
23028B1	23.92	Providing and fixing screw down bib taps of following size.(B) Brass chromium plated screws down Bib Tap. (i) 15mm dia.	Each	218.29
23028B2	23.92	Providing and fixing screw down bib taps of following size.(B) Brass chromium plated screws down Bib Tap. (ii) 20mm dia.	Each	250.97
23028C1	23.92	Providing and fixing screw down bib taps of following size.(C) Gun metal screw down bib tap. (i) 15mm dia.	Each	185.60
23028C2	23.92	Providing and fixing screw down bib taps of following size.(C) Gun metal screw down bib tap. (ii) 20mm dia.	Each	207.78

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
23029A	23.95	Providing and fixing pillar tap, capstan head, screw down high pressure with screws, shanks and back nuts. (i) 15mm dia.	Each	360.70
23029B	23.95	Providing and fixing pillar tap, capstan head, screw down high pressure with screws, shanks and back nuts. (ii) 20mm dia.	Each	414.39
23030A	23.96	Providing and fixing brass screw down stop tap.(A) 15mm dia.	Each	240.47
23030B	23.96	Providing and fixing brass screw down stop tap.(B) 20mm dia.	Each	261.48
23030C	23.96	Providing and fixing brass screw down stop tap.(C) 25mm dia.	Each	257.97
23031A	23.99	Providing and fixing Gun metal check or non-return fullway wheel valve.(A) 15mm dia.	Each	218.29
23031B	23.99	Providing and fixing Gun metal check or non-return fullway wheel valve.(B) 20mm dia.	Each	238.13
23031C	23.99	Providing and fixing Gun metal check or non-return fullway wheel valve.(C) 25mm dia.	Each	491.44
23031D	23.99	Providing and fixing Gun metal check or non-return fullway wheel valve.(D) 32mm dia.	Each	367.70
23031E	23.99	Providing and fixing Gun metal check or non-return fullway wheel valve.(E) 40mm dia.	Each	775.09
23032A	0	Providing and fixing chromium plated brass half trun flush cock of approved quality including fixing in pipe line etc. complete.(i) 20mm dia.	Each	273.00
23032B	0	Providing and fixing chromium plated brass half trun flush cock of approved quality including fixing in pipe line etc. complete.(ii) 25mm dia.	Each	288.75
23032C	0	Providing and fixing chromium plated brass half trun flush cock of approved quality including fixing in pipe line etc. complete.(iii) 32mm dia.	Each	322.18
23033	23.122	Providing and fixing Urinal or approved quality including conecting the Urinal with waste pipe , tap etc. complete.(A) White earthenware flat back or corner type size 430mm x 260mm x 350mm.	Each	689.85
23034	23.124	Providing and fixing Urinal of approved quality including connection with trap and with integral longitudinal flush pipe.(A) Squating plate pattern white earthenware 550mm x 300mm.	Each	1023.75
23035	23.134	Providing and fixing Rubber plug for sink or wash basin.	Each	20.04
23036	0	Providing and fixing chromium plated, bottle trap with necessary couplings of approved quality for wash basin.	Each	283.50
23037A1	0	Providing and fixing ball cock of approved. quality as directed.(A) Copper Metal (i) 25mm dia.	Each	155.25

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
23037A2	0	Providing and fixing ball cock of approved. quality as directed.(A) Copper Metal (ii) 50mm dia.	Each	221.79
23037B1	0	Providing and fixing ball cock of approved. quality as directed.(B) Abonite (i) 25mm dia.	Each	120.23
23037B2	0	Providing and fixing ball cock of approved. quality as directed.(B) Abonite (ii) 50mm dia.	Each	161.09
23038	0	Providing and fixing C.I. Manhole cover 0.60 M. x 0.45M. size having weight not less than 35Kg.	Each	1119.45
23039	0	Providing and fixing G.I. Rain water spout of 50mm dia. and 30cm. length.	Each	105.00
23055		Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete.[A] 15 mm.	Rmt	136.50
23056		Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [B] 20 mm.	Rmt	177.45
23057		Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [C] 25 mm.	Rmt	226.80
23058		Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [D] 32mm.	Rmt	317.90
23059		Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [E] 40mm.	Rmt	426.36

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
23060		Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [F] 50mm.	Rmt	655.29
23061		Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Rmt	84.87
23062		Providing laying and jointing in true line and level 25mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Rmt	107.29
23063		Providing laying and jointing in true line and level 32mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Rmt	139.20
23064		Providing laying and jointing in true line and level 40mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Rmt	173.03

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
23065		Providing laying and jointing in true line and level 50mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Rmt	228.61
23066		Providing, laying and jointing in true line and level 160 diameter U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 160 mm diameter x 210 mm length x 196 mm height at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	Rmt	927.25
23067		Providing, laying and jointing in true line and level 110 diameter U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110 mm diameter x 149 mm length x 145 mm height at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	Rmt	551.25
23068		Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 100 mm diameter with jali of the following nominal diameter of self cleansing design with C.I screed down or hinged grating including the cost of cutting and making good the walls.	each	368.55

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
23069		Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 75 mm diameter with jali of the following nominal diameter of self cleansing design with C.I screed down or hinged grating including the cost of cutting and making good the walls.	each	361.20

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 24 DRAINS & SEWERAGE ITEMS				
24001AA	24.1	Providing and laying (to level or slopes) and jointing with stiff mixture of Cement Mortar in proportion 1:1 Salt glazed stoneware pipes including testing of pipes and joints complete.(A) 100mm dia.	Rmt	148.05
24001BA	24.1	Providing and laying (to level or slopes) and jointing with stiff mixture of Cement Mortar in proportion 1:1 Salt glazed stoneware pipes including testing of pipes and joints complete.(B) 150mm dia.	Rmt	211.05
24002A	24.2	Providing and laying Cement concrete 1:5:10 (1-Cement : 5-Fine sand :10-Graded stone aggregate 40mm nominal size) bedding for stoneware pipes of following internal diameters with necessary formwork and curing complete.(A) 100 mm dia. (112 mm Ave.bed thickness)	Rmt	97.49
24002B	24.2	Providing and laying Cement concrete 1:5:10 (1-Cement : 5-Fine sand :10-Graded stone aggregate 40mm nominal size) bedding for stoneware pipes of following internal diameters with necessary formwork and curing complete.(B) 150mm dia. (166mm Ave. bed thickness)	Rmt	163.85
24003A	0	Providing and laying lime concrete 1:2:4 (1-Lime putty :2 Fine sand : 4-Graded brick aggregates 40mm nominal size) bedding for stoneware pipes of following internal diameters with necessary formwork and curing complete.(A) 100 mm dia. 300mm width (112 mm Ave.bed thickness)	Rmt	143.85
24003B	0	Providing and laying lime concrete 1:2:4 (1-Lime putty :2 Fine sand : 4-Graded brick aggregates 40mm nominal size) bedding for stoneware pipes of following internal diameters with necessary formwork and curing complete.(B) 150mm dia. 450mm width (166mm Ave. bed thickness)	Rmt	258.30
24004A1A	24.17	Extra over item 24.1 for providing salt Glazed stoneware fittings.(i) Bends of required degree (any radius) of following nominal diameters. (A) 100mm dia.	Each	37.07
24004A2A	24.17	Extra over item 24.1 for providing salt Glazed stoneware fittings.(i) Bends of required degree (any radius) of following nominal diameters.(B) 150mm dia.	Each	49.35
24004BA	24.17	Extra over item 24.1 for providing salt Glazed stoneware fittings.(ii) Taper bend of required degree of following internal diameters.(A) 100mm x 150mm	Each	86.69

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
24004C1A	24.17	Extra over item 24.1 for providing salt Glazed stoneware fittings.(iii) Single Junction of required angle of following internal diametr. (A) 100mm.	Each	78.62
24004C2A	24.17	Extra over item 24.1 for providing salt Glazed stoneware fittings.(iii) Single Junction of required angle of following internal diametr. (B) 150mm.	Each	135.45
24005A	24.18	Providing and laying jointing and pointing with stiff mixture of Cement Mortar 1:1 (1-Cement : 1-Fine sand) 150 mm internal diameter salt glazed stoneware half round channels.	Rmt	137.55
24006AA	24.19	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight.(i) Square mouth traps. (A) 100mm x 100mm size P type.	Each	1337.00
24006B	24.19	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight.(i) Square mouth traps.(B) 150mm x 100mm size P or R type	Each	1262.10
24007BA	24.22	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(B) 150mm	Rmt	158.55
24007CA	24.22	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(C) 250mm	Rmt	186.90
24007DA	24.22	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(D) 300mm	Rmt	457.80
24007EA	24.22	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(E) 450mm	Rmt	801.15

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
24007FA	24.22	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(F) 500mm	Rmt	925.05
24007GA	24.22	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(G) 600mm	Rmt	1055.25
24007HA	24.22	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(H) 900mm	Rmt	1933.05
24007KA	24.22	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(K) 1000mm	Rmt	2205.00
24007MA	24.22	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(M) 1200mm	Rmt	2549.40

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
24008A	24.27	Constructing Manhole with R.C.C. top slab in 1:2:4 mix (1-cement :2-coarse sand : 4-graded stone aggregate 20mm nominal size) foundation concrete 1:3:6 mix (1-cement : 3- coarse sand :6-Brick bats 40 + 50mm size) inside plastering 15mm thick with Cement Mortar 1:3 (1-Cement : 3-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1-Cement :2-Coarse sand :4-stone aggregate 20mm nominal size) finished smooth complete including curing and festing (i) Inside size 900mm x 1200mm and 1.5M. deep including C.I. cover with frame size 560mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.)(A) With 230mm thick walls of brick msonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1- Cement: 5-Coarse sand) (1) A type depth 0.90 Metre for 150mm diameter sewer.	Each	9650.55
24008B	24.27	Constructing Manhole with R.C.C. top slab in 1:2:4 mix (1-cement :2-coarse sand : 4-graded stone aggregate 20mm nominal size) foundation concrete 1:3:6 mix (1-cement : 3- coarse sand :6-Brick bats 40 + 50mm size) inside plastering 15mm thick with Cement Mortar 1:3 (1-Cement : 3-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1-Cement :2-Coarse sand :4-stone aggregate 20mm nominal size) finished smooth complete including curing and festing (i) Inside size 900mm x 1200mm and 1.5M. deep including C.I. cover with frame size 560mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.)(A) With 230mm thick walls of brick msonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1- Cement: 5-Coarse sand) (2) B type depth 1.50 Metre for 150mm diameter sewer.	Each	17097.15

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
24008C	24.27	Constructing Manhole with R.C.C. top slab in 1:2:4 mix (1-cement :2-coarse sand : 4-graded stone aggregate 20mm nominal size) foundation concrete 1:3:6 mix (1-cement : 3- coarse sand :6-Brick bats 40 + 50mm size) inside plastering 15mm thick with Cement Mortar 1:5 (1-Cement : 5-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1-Cement :2-Coarse sand :4-stone aggregate 20mm nominal size) finished smooth complete including curing and festing (i) Inside size 900mm x 1200mm and 1.5M. deep including C.I. cover with frame size 560mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.)(A) With 230mm thick walls of brick msonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1- Cement: 5-Coarse sand) (3) C type depth 2.25 Metre for 150mm diameter sewer.	Each	20769.00
24008D	24.27	(A) With 230mm thick walls of brick msonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1- Cement: 5-Coarse sand) (4) D type depth 3.15 Metre for 150mm diameter sewer.	Each	26604.90
24009A	24.28	(I) Extra rate for constructing B.B. masonry for every additional depth of 0.1M. or Part thereof over item No.24.27 (I) for depth from 0.9M to 1.5M.	Each	463.05
24009B	24.28	(II) Extra rate for constructing B.B. masonry for every additional depth of 0.1M. GR Part thereof over item No.24.27 (I) for depth from 1.50M. to 2.25M.	Each	353.85
24009C	24.28	(III) Extra rate for constructing B.B. masonry for every additional depth of 0.1M. or Part thereof over item No. 24.27 (III) for depth from 2.25M to 3.15M.	Each	479.85
24009D	24.28	(IV) Extra rate for constructing B.B. masonry for every additional depth of 0.1M. or Part thereof over item No. 24.27 (IV) for depth above 3.15M.	Each	597.45
24010	24.33	Providing and fixing cast iron steps of size 500mm x 150mm x 22.5mm and painting with two coats of Anti-corrosive paint etc. complete.	Each	186.90
24011A	24.35	Supplying and fixing C.I. cover 300mm x 300mm without frame for Gulley trap (Standard pattern) te weight of cover to be not less 4.53 Kg.)	Each	521.85

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
24012A	24.39	Providing and erecting at the site of work steel ventilating column of 150mm internal diameter and 12.20 Metre High from G.L. to bottom of top grill including C.I. grill and base plate bolts and nuts etc. and excavation in foundation of size 120cm. x 120cm. x 165cm. and filling the pit with first layer of cement concrete 1:3:6 mix (1-cement :3-coarse sand :6-graded stone aggregate 20mm nominal size) of 120cm. x 120cm. x 90cm. and remaining pit with B.B.C. 1:3:6 mix (1-cement :3-coarse sand:6-Brickbats 40+50mm size) and providing fillet in Cement concrete 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm. nominal size) at G.L. and 3 coats of silver paint etc. complete.	Each	34084.05
24013A	24.4	Constructing Brick masonry road gully chamber 500mm x 450mm x 600mm including 500mm x 450mm C.I. horizontal grating with frame complete.	Each	1624.35
24014	24.41	Constructing Brick masonry road gully chamber 450mm x 450mm x 775mm with vertical gating complete.	Each	2085.30
24015A	24.42	Constructing brick masonry road gully chamber 1100mm x 775mm including 500mm x 450mm (C.I. horizontal grating with frame and vertical grating complete.)	Each	8961.75
24016AA	24.44	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg/Cm ² in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm internal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slab with 1:2:4 mix (1-cement :2-coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(i) Inside dimensions 455mmx 610mm and 450mm deep for single pipe line.	Each	2704.80

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
24016BA	24.44	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg/Cm ² in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm internal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slab with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(ii) Inside dimensions 500mm x 700 mm and 450mm deep for pipe line with one or two inlets.	Each	3192.00
24016CA	24.44	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg/ Cm ² in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm internal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slab with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(iii) Inside dimensions 600mm x 850 mm and 450mm deep for pipe lines with three or more inlets.	Each	7427.70
24017A	24.46	Extra over items 24.44 for every additional depth of 0.1M. of part thereof beyond 450mm depth for Brick masonry chamber.(i) for 455mm x 610mm size.	Each	212.10
24017B	24.46	Extra over items 24.44 for every additional depth of 0.1M. of part thereof beyond 450mm depth for Brick masonry chamber.(ii) for 500mm x 700mm size.	Each	231.00
24017C	24.46	Extra over items 24.44 for every additional depth of 0.1M. of part thereof beyond 450mm depth for Brick masonry chamber.(iii) for 600mm x 850mm size.	Each	284.55
24018AA	0	(A) Providing sock pit of 2.00 Cu.M. Volume including excavating and filling brickbats with dry masonry work at top for 45cm. height including covering the top with stone including providing vatas in C.M. 1:3 with finishing curing etc. complete as directed.	Each	979.65

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
24018BA	0	(B) Providing sock pit of 5.00 Cu.M. Volume including excavating and filling brickbats with dry masonry work at top for 45cm. height including covering the top with stone including providing vatas in C.M. 1:3 with finishing curing etc. complete as directed.	Each	2450.70

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 26 (A) ROAD WORK AND CULVERTS (FOR ALL ITEMS EXECUTED WITH MECHANISED EFFORTS/				
26001A	26.16	Earthwork for embankment including breaking clods, dressing with all lead and lift (excluding watering and consolidation)(A) From Borrow pits within land width	cu.m	68.78
26001BA	26.16	Earthwork for embankment including breaking clods, dressing with all lead and lift (excluding watering and consolidation)(B) From Borrow area within 0.5 Km.lead	cu.m	154.58
26001CA	26.16	Earthwork for embankment including breaking clods, dressing with all lead and lift (excluding watering and consolidation)(C) From Borrow area within 1.0 Km.lead	cu.m	158.66
26001DA	26.16	Earthwork for embankment including breaking clods, dressing with all lead and lift (excluding watering and consolidation)(D) From Borrow area within 2.0 Km. lead	cu.m	166.44
26001EA	26.16	Earthwork for embankment including breaking clods, dressing with all lead and lift (excluding watering and consolidation)(E) From Borrow area within 3.0 Km. lead	cu.m	173.98
26002A	0	Rolling of earthwork in layers with power roller including filling in depressions which occur during the process.	cu.m	12.50
26003	0	Watering of earth work as directed.	cu.m	5.99
26004AA	0	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C. to required dry density including filling the depression which occur during the process using power roller 8T to 10T.(A) From Borrow pits within land width	cu.m	103.95
26004BA	0	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C. to required dry density including filling the depression which occur during the process using power roller 8T to 10T.(B) From Borrow area within 0.5KM. lead	cu.m	163.00
26004CA	0	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C. to required dry density including filling the depression which occur during the process using power roller 8T to 10T.(C) From Borrow area within 1.0KM. lead	cu.m	167.08

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26004DA	0	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C. to required dry density including filling the depression which occur during the process using power roller 8T to 10T.(D) From Borrow area within 2.0KM. lead	cu.m	174.86
26004EA	0	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C. to required dry density including filling the depression which occur during the process using power roller 8T to 10T.(E) From Borrow area within 3.0KM. lead	cu.m	182.40
26005	0	Earthwork in cutting in all sorts of soil and soft murrum including conveying and spreading the stuff, embankment as and where directed within 200meters from the end of the cutting with all required lead and lift.	cu.m	84.32
26006A	0	Earthwork in cutting in all sorts of soil and soft murrum including conveying and spreading the stuff, embankment as and where directed within 200meters from the end of the cutting with all required lead and lift.(A) Above 200 Meters upto 300 Meters.	cu.m	23.84
26006B	0	Earthwork in cutting in all sorts of soil and soft murrum including conveying and spreading the stuff, embankment as and where directed within 200meters from the end of the cutting with all required lead and lift.(B) Above 300 Meters upto 400 Meters.	cu.m	35.28
26006C	0	Earthwork in cutting in all sorts of soil and soft murrum including conveying and spreading the stuff, embankment as and where directed within 200meters from the end of the cutting with all required lead and lift.(C) Above 400 Meters upto 500 Meters.	cu.m	58.80
26007	0	Earthwork in cutting in all sorts of soil and soft murrum including conveying and putting the stuff in spoil bank maintaining minimum distance of five meter between top edge and cutting and toe of spoil bank.	cu.m	67.94
26008	0	Box cutting the road surface to proper slope and camber for making a base for road work including removing the excavated stuff and depositing on the road side slope as directed upto 50Mt.lead.	cu.m	67.94

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26009A	26.16	Earthwork in cutting including preparing the slope and camber and stacking or utilising the cutting stuff in bank as directed upto 200 Meters from the end of cutting with all lead and lift.(i) Hard murrum.	cu.m	162.75
26009B	26.16	Earthwork in cutting including preparing the slope and camber and stacking or utilising the cutting stuff in bank as directed upto 200 Meters from the end of cutting with all lead and lift.(ii) Soft rock not requiring blasting.	cu.m	180.60
26009C	26.16	Earthwork in cutting including preparing the slope and camber and stacking or utilising the cutting stuff in bank as directed upto 200 Meters from the end of cutting with all lead and lift.(iii) Hard rock.	cu.m	383.25
26010A	0	Add extra over item 9 for conveying and utilising the stuff in bank from end of cutting with all required lead and lift.(A) Above 200 Meters upto 300 Meters.	cu.m	38.85
26010B	0	Add extra over item 9 for conveying and utilising the stuff in bank from end of cutting with all required lead and lift.(B) Above 300 Meters upto 400 Meters	cu.m	57.54
26010C	0	Add extra over item 9 for conveying and utilising the stuff in bank from end of cutting with all required lead and lift.(C) Above 400 Meters upto 500 Meters	cu.m	95.87
26011A	26.5	Supplying of graded stone aggregate of following sizes (for W.B.M. Road)(1) Hand broken stone aggregate 25mm to 90mm size.	cu.m	173.00
26011B	26.5	Supplying of graded stone aggregate of following sizes (for W.B.M. Road)(2) Hand broken stone aggregate 40 mm to 63 mm size.	cu.m	203.00
26011C	26.5	Supplying of graded stone aggregate of following sizes (for W.B.M. Road)(3) Crushed stone aggregate for Hard Quality up to 63 mm size	cu.m	293.00
26012A	26.5	Supplying of crushed stone aggregates, chippings etc. of hard stone of following nominal size free of disintegrated pieces deleterious and organic matter (for Bitumen surface dressing etc.) and grading as per I.R.C. Code.(i) 50mm	cu.m	293.00
26012B	26.5	Supplying of crushed stone aggregates, chippings etc. of hard stone of following nominal size free of disintegrated pieces deleterious and organic matter (for Bitumen surface dressing etc.) and grading as per I.R.C. Code.(ii) 40mm	cu.m	319.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26012C	26.5	Supplying of crushed stone aggregates, chippings etc. of hard stone of following nominal size free of disintegrated pieces deleterious and oraganic mater (for Bitumen surface dressing etc.) and grading as per I.R.C. Code.(iii) 25mm	cu.m	366.00
26012D	26.5	Supplying of crushed stone aggregates, chippings etc. of hard stone of following nominal size free of disintegrated pieces deleterious and oraganic mater (for Bitumen surface dressing etc.) and grading as per I.R.C. Code.(iv) 20mm	cu.m	413.00
26012E	26.5	Supplying of crushed stone aggregates, chippings etc. of hard stone of following nominal size free of disintegrated pieces deleterious and oraganic mater (for Bitumen surface dressing etc.) and grading as per I.R.C. Code.(v) 12mm	cu.m	330.00
26012F	26.5	Supplying of crushed stone aggregates, chippings etc. of hard stone of following nominal size free of disintegrated pieces deleterious and oraganic mater (for Bitumen surface dressing etc.) and grading as per I.R.C. Code.(vi) 10mm	cu.m	390.00
26012G	26.5	Supplying of crushed stone aggregates, chippings etc. of hard stone of following nominal size free of disintegrated pieces deleterious and oraganic mater (for Bitumen surface dressing etc.) and grading as per I.R.C. Code.(vii) 6mm	cu.m	285.00
26013	26.8	Supplying of brick aggregate 40mm nominal size.	cu.m	147.00
26014A	26.11(A)	Supplying of screened cleaned pea (rounded) gravel of following sizes)(i) 10mm nominal size.	cu.m	168.00
26014B	26.11(A)	Supplying of screened cleaned pea (rounded) gravel of following sizes)(ii) 12mm nominal size.	cu.m	168.00
26014C	26.11	Supplying of screened cleaned pea (rounded) gravel of following sizes)(B) Supplying of unscrened gravel	cu.m	126.00
26015	26.12	Supplying of coarse clean sharp sand at site.	cu.m	187.95
26016A	26.13	(i) Supplying of murrum / binding materials	cu.m	64.00
26016B	26.13	(ii) Supplying of hard murrum 50mm to 150mm size.	cu.m	96.00
26017A	26.15	Supplying promoulded bituminous joint filler.(i) 12mm thick	cu.m	623.70
26017B	26.15	Supplying promoulded bituminous joint filler.(ii) 20mm thick	cu.m	687.75
26017C	26.15	Supplying promoulded bituminous joint filler.(iii) 25mm thick	cu.m	903.00
26018A	26.2	Spreading the stone aggregate for rolling and W.B.M. including filling the interstices to required camber and gradient (excluding spreading of Blindage)(ii) 40mm to 63mm size aggregates (H.B.)	cu.m	164.85

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26018B	26.2	Spreading the stone aggregate for rolling and W.B.M. including filling the interstices to required camber and gradient (excluding spreading of Blindage)(iii) 25mm to 50mm size crushed stone	cu.m	164.85
26018C	26.2	Spreading the stone aggregate for rolling and W.B.M. including filling the interstices to required camber and gradient (excluding spreading of Blindage)(iv) Chipping varying from 6mm to 25mm size.	cu.m	164.85
26019A	26.22	Laying brick soiling with over burnt traditional bricks including spreading of binding materials murrum or earth etc. (Bricks for soiling and binding materials shall be paid for seperately)(i) One layer laid flat.	cu.m	27.51
26019B	26.22	Laying brick soiling with over burnt traditional bricks including spreading of binding materials murrum or earth etc. (Bricks for soiling and binding materials shall be paid for seperately) (ii) One layer laid on edge.	cu.m	41.69
26019C	26.22	Laying brick soiling with over burnt traditional bricks including spreading of binding materials murrum or earth etc. (Bricks for soiling and binding materials shall be paid for seperately)(iii) Two layer laid flat.	cu.m	55.13
26019D	26.22	Laying brick soiling with over burnt traditional bricks including spreading of binding materials murrum or earth etc. (Bricks for soiling and binding materials shall be paid for seperately)(iv) Two layer laid on edge.	cu.m	85.58
26020A	26.23	Spreading blindage or road crust filling the gaps in metal and leveling to camber and gradient as directed.(i) Murrum	cu.m	97.34
26020B	26.23	Spreading blindage or road crust filling the gaps in metal and leveling to camber and gradient as directed.(ii) Sand	cu.m	97.34
26021	26.76	Rolling and consolidation of soling including filling in depression which occur during the process, with power roler 8 tonne to 12 tonne.	Sqm	17.75
26022	26.78	Rolling and consolidating water bound macadam (except laterite and Kankar) including watering not exceeding 150mm thickness (Main layer including binding materials) including filling in depressions which occur during the process.(A) With power roller exceeding 8 tonne and not exceeding 12 tonne.	Sqm	13.86

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26023A	26.34	Preparing surface by Brushing with wire brushes for removing caked mud etc. sweeping with brooms and finally fanning the cleaned surface with gunney bags to remove all loose dirt etc.(i) Water bound macadam surface (New)	Sqm	18.69
26023B	26.34	Preparing surface by Brushing with wire brushes for removing caked mud etc. sweeping with brooms and finally fanning the cleaned surface with gunney bags to remove all loose dirt etc.(ii) Black top surface.	Sqm	11.24
26024	26.35	Providing and supplying evenly priming / tack coat with bitumen @ rate of 10 Kg/ Sq.M. (including heating the bitumen but excluding the cost of bitumen)	Sqm	4.20
26025	26.36	Add/Deduct for any item of bituminous work for extra/less use of bitumen (including heating)	Sqm	0.42
26026A	26.37	Surface dressing one coat with paving bitumen using 18kg. bitumen per 10.0 Sq.M. with 0.15 cu.m. of stone chipping 12mm nominal size per 10.0 Sq.M. of road surface excluding roling and consolidation (stone chipping and bitumen shall be paid seperately)	Kg	13.13
26027A	26.38	Surface dressing two coat with bitumen using 18kg. bitumen per 10.0 Sq.M. with 0.15 cu.m. of stone chipping 12mm nominal size per 10.0 Sq.M. for first coat and 11 Kg. of bitumen with 0.10 cu.m. of stone chippings 10mm nominal size per 10 Sq.M. of road surface for second coat excluding consolidation for second coat excluding consolidation bitumen shall be paid seperately)	Sqm	13.97
26028A	26.39	Surface dressing enewal coat with paving bitumen or tar using 11kg. of bitumen of 12Kg. of cut-back or road tar per ten 10.0 Sq.M. with 0.10 cu.m. of stone chipping 10mm nominal size per 10.0 Sq.M. of road surface excluding roling and consolidation (Chips and bitumen shall be paid seperately)	Sqm	9.35
26029	26.44	Add to or deduct from any item of bituminous work for variation in quantity of stone chippings (Labour only)	cu.m	37.80
26030AA	26.45	2cm. thick open - graded pre-mix carpet surfacing with 0.27 cu.m. stone chippings (12mm size 0.18cu.m. and 10mm size 0.09 cu.m.) mixed with 14.4 kgs. of bitumen per 10 Sq.M. of road surface excluding rolling and consolidetion etc. complete. (Stone chippings and Bitumen shall be paid separately)(i) With tack coat at rate of 5.0 Kg. /10 Sq.M.	cu.m	754.95

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26030BA	26.45	2cm. thick open - graded pre-mix carpet surfacing with 0.27 cu.m. stone chippings (12mm size 0.18cu.m. and 10mm size 0.09 cu.m.) mixed with 14.4 kgs. of bitumen per 10 Sq.M. of road surface excluding rolling and consolidation etc. complete. (Stone chippings and Bitumen shall be paid separately)(ii) With tack coat at rate of 10Kg. / 10 Sq.M.	cu.m	786.45
26031AA	26.49	2.5cm. thick Consolidated singlecourse pre-mixed carpet surfacingwith 0.36 cu.m. of stone chippings(20mm size 0.15cu.m. 10mm size0.12 cu.m. and 0.6 mm size of 0.09 cu.m.) mixed with 19.5 kgs. ofbitumen per 10 Sq.M. of road surface excluding consolidation etc. complete.(Stone chippings and Bitumen shall be paid separately)(i) With tack coat at rate of 5.0 Kg. /10 Sq.M.	cu.m	700.35
26031BA	26.49	2.5cm. thick Consolidated singlecourse pre-mixed carpet surfacingwith 0.36 cu.m. of stone chippings(20mm size 0.15cu.m. 10mm size0.12 cu.m. and 0.6 mm size of 0.09 cu.m.) mixed with 19.5 kgs. ofbitumen per 10 Sq.M. of road surface excluding consolidation etc. complete.(Stone chippings and Bitumen shall be paid separately)(ii) With back coat at rate of 10Kg./ 10 Sq.M.	cu.m	723.45
26032A	26.52	Liquid seal coat (IRC type -A) with 0.09 cu.m. of stone chippings 6mm size and 6.8Kg. of bitumen per 10.0 Sq.M. of road surface excluding rolling and consolidation. (Chipping and bitument shall be paid seperately)	cu.m	867.30
26033A	26.53	Pre-mixed seal coat (I.R.C. type-B) with 0.06 cu.m. of fine aggregate and 6.8 Kg. of bitumen per 10 Sq.M. of road surface excluding rolling and consolidation. (Chipping and bitument shall be paid separately)	cu.m	988.05
26034A	0	Pre-mixed seal coat with 0.12 cu.m. of stone chippings 10mm size and 7.68 Kg. of bitumen per 10 Sq.M. of road surface excluding rolling and consolidation. (Stone chipping and bitument shall be paid separately)	cu.m	853.65

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26035A	0	Laying built-up spray grout base course into two layers with bitumen at rate of 15 kg./per 10 Sq.M. with 0.50 cu.m. stone aggregate for first layer and 15kg. of bitumen and 0.50 cu.m. of stone aggregate per 10 Sq.M. of road surface for second layer and using 0.13cu.m. of Key aggregate per 10 Sq.M. excluding rolling and consolidation complete. (stone aggregate and bitumen shall be paid separately)	Sqm	16.49
26036	0	Labour charges for laying premixed bituminous macadam / concrete / carpet etc. by hot mix laid process including heating the asphalt and aggregates by continuous hot mix, transporting the mix and spreading the same by paver finisher and consolidation with power roller including providing and laying uniformly tack coat including providing and laying uniformly tack coat including necessary fire wood oil lubricants, labour charges and hire charges of the required plant and machineries etc. complete.	MT	398.00
26037	26.82	Consolidation of surface dressing in one coat with power roller including cost of fuel hire charges of roller etc. complete.	Sqm	5.36
26038	26.82	Consolidation of surface dressing in two coats with power roller including cost of fuel hire charges of roller etc. complete.	Sqm	7.56
26039	26.81	Consolidation of 2cm. thick open graded premixed asphalt carpet with power roller including cost of fuel hire charges of roller etc. complete.	Sqm	6.93
26040	26.81	Consolidation of 2.5cm. thick premixed asphalt carpet with power roller including cost of fuel hire charges of roller etc. complete.	Sqm	6.93
26041	0	Consolidation of liquid / premixed seal coat with power roller including cost of fuel hire charges of roller etc. complete.	Sqm	4.83
26042	0	Consolidation of Built up spray grout in required layers with power roller including cost of fuel hire charges of roller etc. complete.	Sqm	7.88
26043	0	Consolidation of bituminous macadam / concrete etc. with power roller including cost of fuel hire charges of roller etc. complete.	Sqm	10.19
26044A	0	Providing and fixing Hectometer as per I.R.C. type design including painting, lettering etc. complete.(i) Fixing in Earth	No.	134.13
26044B	0	Providing and fixing Hectometer as per I.R.C. type design including painting, lettering etc. complete.(ii) Fixing in C.C. 1:5:10	No	318.45

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26045A	26.88	Providing and fixing guard stone as per I.R.C. type design including white washing etc. complete.(i) Fixing in Earth	No	82.74
26045B	26.88	Providing and fixing guard stone as per I.R.C. type design including white washing etc. complete.(ii) Fixing in C.C. 1:5:10	No	269.85
26046A	26.85	Providing and fixing Boundary stone as per I.R.C. design including painting, carving lettering etc. complete.(i) Fixing in Earth	Each	82.74
26046B	26.85	Providing and fixing Boundary stone as per I.R.C. design including painting, carving lettering etc. complete.(ii) Fixing in C.C. 1:5:10	Each	124.95
26047	0	Providing and fixing ordinary Kilometer stone of approved hard stone as per I.R.C. type design in C.C. 1:4:8 including painting and lettering etc. complete (For N.H., S.H. and M.D.R.)	Each	849.69
26048	26.87	Providing and fixing ordinary Kilometer stone of precast C.C. 1:2:4 including necessary reinforcement as per I.R.C. type design in C.C. 1:4:8 including letter and paints etc. complete (For N.H., S.H. and M.D.R.)	Each	1040.55
26049	0	Providing and fixing 5th Kilometer stone of approved hard stone as per I.R.C. type design in C.C. 1:4:8 including painting and lettering etc. complete (For N.H., S.H. and M.D.R.)	Each	1178.39
26050	0	Providing and fixing 5th Kilometer stone of precast C.C. 1:2:4 including necessary reinforcement as per I.R.C. type design in C.C. 1:4:8 including painting,lettering etc. complete (For N.H., S.H. and M.D.R.)	Each	1608.60
26051	0	Providing and fixing ordinary Kilometer stone of approved hard stone as per I.R.C. type design in C.C. 1:4:8 including painting and lettering etc. complete (For O.D.Road,V.R.)	Each	831.60
26052	0	Providing and fixing ordinary Kilometer stone of precast C.C. 1:2:4 including necessary reinforcement as per I.R.C. type design in C.C. 1:4:8 including painting,lettering etc. complete (For O.D. road V.R.)	Each	589.05
26053A	0	Providing and fixing indicator stone of approved stone as per I.R.C. type design in C.C. 1:4:8 including white washing etc. complete.(i) Fixing in Earth	Each	117.60
26053B	0	Providing and fixing indicator stone of approved stone as per I.R.C. type design in C.C. 1:4:8 including white washing etc. complete.(ii) Fixing in C.C. 1:5:10	Each	303.93

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26054A	0	Supplying and fixing road sign board of M.S. plates and angle iron including painting, lettering etc. complete including fixing in C.C. 1:4:8 with necessary excavation etc. complete as per I.R.C. type design.(i) Non - Reflective type	Each	2081.37
26054B	0	Supplying and fixing road sign board of M.S. plates and angle iron including painting, lettering etc. complete including fixing in C.C. 1:4:8 with necessary excavation etc. complete as per I.R.C. type design.(ii) Reflective type	Each	3476.33
26055	0	Providing and fixing Village name boards as per standard I.R.C. type design of steel plate including painting lettering etc. complete with fixing in C.C. 1:4:8 block with necessary excavation.	Each	3904.40
26056	0	Providing and fixing Junction board of precast R.C.C. as per standard I.R.C. design including fixing in C.C. with 1:4:8 necessary excavation painting figuring and lettering on board etc. complete.	Each	2621.85
26057	0	Providing and fixing Junction board of M.S. plates and angles as per standard I.R.C. design including fixing in C.C. 1:4:8 with necessary excavation painting figuring and lettering on board etc. complete.	Each	5492.55
26058A	0	Painting and lettering with enamel paint 3- coats etc complete.(i) Ordinary K.M. Stone for N.H. S.H. and M.D.R.	Each	203.26
26058B	0	Painting and lettering with enamel paint 3- coats etc complete.(ii) Ordinary K.M. Stone for O.D.R. and V.R.	Each	154.35
26058C	0	Painting and lettering with enamel paint 3- coats etc complete.(iii) Fifth K.M. Stone .	Each	359.10
26058D	0	Painting and lettering with enamel paint 3- coats etc complete.(iv) Hectometer stone.	Each	51.56
26058E	0	Painting and lettering with enamel paint 3- coats etc complete.(v) Road sign board.	Each	411.60
26058F	0	Painting and lettering with enamel paint 3- coats etc complete.(vi) Village name board.	Each	359.10
26058G	0	Painting and lettering with enamel paint 3- coats etc complete.(vii) Junction board.	Each	1451.88
26059	26.93	Labour charges for dry stone pitching 15 cm. thick including preparing the surface.	Sqm	142.80
26060	26.93	Labour charges for dry stone pitching of 22.5 cm. thick including preparing the surface etc complete.	Sqm	204.75

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26061	26.93	Labour charges for dry stone pitching of 20.0 cm. thick including preparing the surface etc complete.	Sqm	265.65
26062A	0	Providing panel wall for dry stone pitching in uncoursed rubble masonry with had stone of approved quality in cement. mortar 1.5 including curing etc, complete.	cu.m	1997.92
26063	26.99	Scarifying gravelled macadam or bitumen macadam surface 6 cm to 10 cm.depth including stacking useful materials on road side and disposing off remaining stuff.	Sqm	26.15
26064	0	Labour charges for filling measure boxes of crushed metal or gravel of size 20 mm to 63 mm including all tools and as directed.	cu.m	67.94
26065	0	Labour charges for filling measure boxes of Kapachi of 12 m.size Grit, sand, murrum etc. including all tools and as directed.	cu.m	67.94
26066	0	Labour charges for breaking boulders and Big.size rubble in to oversize metal for soling.	cu.m	227.85
26067	0	Labour charges for breaking boulders and Big.size rubble in to standard size. (40mm to 63 mm) metal for soling.	cu.m	339.15
26068	0	Supplying of wooden pegs 4 cm. in Diameter and 25 cm. to 30 cm. long including taper at one end etc. complete.	Each	1.05
26069	0	Revenue survey charges for joint measurements for land to be acquired. etc.	Km	349.15
26070	0	Demarkation of road alingment including marking out road line by providing and fixing wooden pegs or steel rod of required size at every 25 M to 50 M. including excavating trenches ion both sodes of 0.30 m. x 0.30M. including supplying of labours and all materials for every work etc. complete.	Km	3162.44
26071	0	DOG - Beling the centre line and toe line Embankment / cutting.	Km	4625.25
26072	0	Surveying for road works including ranging, chaining, pegging leveling and compass surveying including all labour materials and instruments etc,complete.	Km	2030.70
26073	0	Providing and fixing stones of 25cm x 25cm x 17.5cm.size of approved quality for centre line or apex point including excavation, concreteing and fixing te stone including casting of stone etc,complete.	Km	66.10
26074	0	Contour survey work for prepaing contour maps by taking cross-section at every 30M. intervals including all, labour materials and instruments.	Km	184.80

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26075A	0	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	cu.m	124.95
26075B	0	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(B) Dense or Hard soil	cu.m	159.60
26075C	0	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(C) Hard Murrum	cu.m	271.95
26075D	0	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(D) Soft rock not requiring Blasting	cu.m	281.40
26075E	0	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(E) Hard Rock	cu.m	582.75
26084	0	Filling around the pipes with murrum including dressing, tampering etc. complete.	cu.m	54.08
26085	0	Providing and fixing 20cm. x 15cm x 2.5 cm. thick year plate of marble stone set in C.M. 1:4 including finishing and engraving letters etc. complete.	Km	308.43
26086	0	Numbering the C.D. work with approved paint including all materials for painting etc. complete.	Each	43.37
26087	0	Providing and fixing Number plate of Marble plate stone of required size set in C.M. 1:4 including finishing and engeaving letters etc. completes.	Each	309.75
26088AA	26.107	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (to level or slope) of I.S. class NP2 of following internal diameters.(i) 300mm dia.	Rmt	662.11
26088BA	26.107	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (to level or slope) of I.S. class NP2 of following internal diameters.(ii) 450mm dia.	Rmt	1061.53

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26088CA	26.107	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (to level or slope) of I.S. class NP2 of following internal diameters.(iii) 600mm dia.	Rmt	1388.49
26088DA	26.107	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (to level or slope) of I.S. class NP2 of following internal diameters.(iv) 800mm dia.	Rmt	1970.11
26088EA	26.107	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (to level or slope) of I.S. class NP2 of following internal diameters.(v) 900mm dia.	Rmt	2211.64
26088FA	26.107	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (to level or slope) of I.S. class NP2 of following internal diameters.(vi)1100mm dia.	Rmt	2852.65
26088GA	26.107	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (to level or slope) of I.S. class NP2 of following internal diameters.(vii) 1200mm dia.	Rmt	3151.45
26089AA	26.105	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts carrying heavy traffic as per IS 458-1991 specifications including setting the pipes in C.M. 1:2 watering and laying (to level or slopes) of class NP3 of following internal daimeters.(i) 300mm dia.	Rmt	675.83
26089BA	26.105	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts carrying heavy traffic as per IS 458-1991 specifications including setting the pipes in C.M. 1:2 watering and laying (to level or slopes) of class NP3 of following internal daimeters.(ii) 450mm dia.	Rmt	1260.30

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26089CA	26.105	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts carrying heavy traffic as per IS 458-1991 specifications including setting the pipes in C.M. 1:2 watering and laying (to level or slopes) of class NP3 of following internal daimeters.(iii) 600mm dia.	Rmt	2136.90
26089DA	26.105	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts carrying heavy traffic as per IS 458-1991 specifications including setting the pipes in C.M. 1:2 watering and laying (to level or slopes) of class NP3 of following internal daimeters.(iv) 750mm dia.	Rmt	2850.26
26089EA	26.105	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts carrying heavy traffic as per IS 458-1991 specifications including setting the pipes in C.M. 1:2 watering and laying (to level or slopes) of class NP3 of following internal daimeters.(v) 900mm dia.	Rmt	3824.55
26089FA	26.105	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts carrying heavy traffic as per IS 458-1991 specifications including setting the pipes in C.M. 1:2 watering and laying (to level or slopes) of class NP3 of following internal daimeters.(vi)1050mm dia.	Rmt	5211.21
26089GA	26.105	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts carrying heavy traffic as per IS 458-1991 specifications including setting the pipes in C.M. 1:2 watering and laying (to level or slopes) of class NP3 of following internal daimeters.(vii) 1200mm dia.	Rmt	6205.81
26090	0	Providing and fixing retro Reflective Engineering grade Board using C.R.C. (M.S.) Sheet 2mm, angle iron 75 x 75 x 6mm. Descaling and degreasing the board as per requirement using epoxyprimer epoxy paint and carrying retro reflective process by screen painting as directed etc. complete including transporting and fixing in C.C. 1:4:8 with necessary excavation curing etc. complete as per I.R.C type design.(A) Engineer Grade	Sqm	10777.20

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26091	0	Providing and fixing retro Reflective Hi Intensity Micro Prismatic Grade Board using 2mm Aluminum / 4mm ACP, angle iron 75 x 75 x 6mm. Descaling and degreasing the board as per requirement using epoxy reflective process by screen painting as directed etc. complete including transporting and fixing in C.C. 1:2:4 with necessary excavation curing etc. complete as per I.R.C. 67-2012 design. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B)Class B Type-4(MDR/ODR) retro reflective sheeting	Sqm	10361.00
26091A		Providing and fixing retro Reflective Prismatic grade Board using 2mm Aluminum / 4mm ACP, angle iron 75 x 75 x 6mm. Descaling and degreasing the board as per requirement using epoxyprimer epoxy paint and carrying retro reflective process by screen painting as directed etc. complete including transporting and fixing in C.C. 1:2:4 with necessary excavation curing etc. complete as per I.R.C 67-2012 design. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class -C Type-11(NH/SH) retro reflective sheeting	Each	12934.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26092A	0	Cautionary Warning Sign :-Providing and fixing sing boards made out of 2mm aluminium sheet; size 90 x 90 x 90 cms. equilateral triangle as per design of IRC-67-1977. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with retro reflectivesheeting as per latest M.O.S.T.Specifications; 3.1m long stand postand frame fabricated from suitable sizeiron angle of 35 x 35 x 3mm, 75 x 75 x 6mm as required; painted with bestquality epoxy coatings in black andwhite bends. The details of symbol foreach board shall be as per theinstruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge.(A) Engineer Grade(VR)	No	2206.05
26092B	0	Cautionary Warning Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 90 x 90 x 90 cms. equilateral triangle as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting	No	4284.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26092C		Cautionary Warning Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 90 x 90 x 90 cms. equilateral triangle as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6mtr long stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol foreach board shall be as per theinstruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	5185.00
26093A	0	Informatory Signs :-Providing and fixing sing boards made out of 2mm aluminium sheet; size 80 x 60cms. rectangle as per the design of IRC-67-1977 pre treated with phospheting process & acid teching; coated with one coat of epoxyprimer and two coats of best qualityepoxy paint; reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; 3.1m long stand postand frame fabricated from suitable sizeiron angle of 35 x 35 x 3mm75x75x6mm as required; painted with best qualityepoxy coatings in black and whitebends. the details of symbol for eachboard shall details of symbol for eachboard shall be as per the instruction ofengineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x45 x 60cms. for each leg. including excavation curing tec. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	2469.60

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26093B	0	Facility Informatory Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 80 x 60 cms. rectangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting.	No	4999.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26093C		Facility Informatory Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 80 x 60 cms rectangular as per design of IRC-67-2012. Pre treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6mtr long stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol foreach board shall be as per theinstruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	6234.00
26094A	0	Regulatory/Mandatory signs :Providing and fixing sing boards made out of 2mm aluminium sheet; size 60cms. diameter circle as per the design of IRC-67-1977 pre treated with phosphating process & acid eteching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; 3.1m long stand post and frame fabricated from suitable size iron angle of 35 x 35 x 3mm 75x75x6mm as required; painted with best quality epoxy coatings in black and white bends. the details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60cms. for each leg. including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	2054.85

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26094B	0	Regulatory / Mandatory Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 60 cms. Dia Circle as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflective sheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with best quality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting.	No	3892.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26094C		Regulatory / Mandatory Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 60 cms Dia Circle as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflective sheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6mtr long stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with best quality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	4620.00
26095A	0	STOP SIGN:-Providing and fixing sing boards made out of 2mm aluminium sheet; size 90 x 90cms. rectangle as per the design of IRC-67-1977 pre treated with phospheting process & acid teching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; 3.1m long stand post and frame fabricated from suitable size iron angle of 35 x 35 x 3mm 75x75x6mm as required; painted with best quality epoxy coatings in black and white bends. the details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60cms. for each leg. including excavation curing tec. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	3656.10

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26095B	0	STOP Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 90 cms. Octagonal as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflective sheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with best quality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting.	No	6117.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26095C		STOP Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 90 cms Octagone as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6mtr long stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol foreach board shall be as per theinstruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	7846.00
26096A	0	Parking Signs :-Providing and fixing sing boards made out of 2mm aluminium sheet; size 60 x 60cms. sequare plus 60 x 20cms rectangular additional plate as as per the design of IRC-67-1977 pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; 3.1m long stand post and frame fabricated from suitable size iron angle of 35 x 35 x 3mm 75x75x6mm as required; painted with best quality epoxy coatings in black and white bends. the details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60cms. for each leg. including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	2530.50

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26096B	0	<p>Parking Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size size 60 x 60cms. square plus 60 x 20cms rectangular additional plate as as per the design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting.</p>	No	4999.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26096C		Parking Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size size 60 x 60cms. square plus 60 x 20cms rectangular additional plate as as per the design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6mtr long stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol foreach board shall be as per theinstruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	6234.00
26097A	0	Give Way Sign :-Providing and fixing sing boards made out of 2mm aluminium sheet; size 90 x 90 x 90cms. equiletral tringle (inverted) as as per the design of IRC-67-1977 pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; 3.1m long stand post and frame fabricated from suitable size iron angle of 35 x 35 x 3mm 75x75x6mm as required; painted with best quality epoxy coatings in black and white bends. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60cms. for each leg. including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	2206.05

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26097B	0	Give Way Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 90 x 90 x 90 cms. equilateral triangle as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro refiectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting	No	4284.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26097C		Give Way Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 90 x 90 x 90 cms. equilateral triangle as per design of IRC-67-2012. Pre treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflective sheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6mtr long stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with best quality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	5185.00
26098A	0	Direction sign (Junction board):-Providing and fixing sign boards made out of 2mm aluminium sheet; size 244 x 122cms. rectangle as as per the design of IRC-67-1977 pre treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; Letters and numerals should be as per IRC-30-1968, 3.1m long (2 nos) stand post and frame fabricated from suitable size iron angle of 50 x 50 x 5mm 75x75x6mm as required; painted with best quality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60cms. for each leg. including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	11322.15

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26098B	0	Direction (Junction) Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 244x122 cms. rectangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 4.0mtr (2 Nos.) long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 50x50x5mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting	No	22491.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26098C		Direction (Junction) Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 244x122 cms. rectangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 4.0mtr long (2 Nos.) stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 50 x 50 x 5mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol foreach board shall be as per theinstruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	30150.00
26099A	0	Distance Informatory/ Destubatuib sign :Providing and fixing sing boards made out of 2mm aluminium sheet; size 180 x 120cms. rectangle as as per the design of IRC-67-1977 pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; Letters and numerals should be as per IRC-30-1968, 3.1m long (2 nos) stand post and frame fabricated from suitable size iron angle of 50 x 50 x 5mm 75 x 75 x 6mm as required; painted with best quality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60cms. for each leg. including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	9415.35

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26099B	0	Distance Informatory / Destination Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 180x120 cms. rectangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 4.0mtr (2 Nos.) long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 50 x 50 x 5mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting	No	17663.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26099C		Distance Informatory / Destination Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 180x120 cms. rectangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflektivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 4.0mtr long (2 Nos.) stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 50 x 50 x 5mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol foreach board shall be as per theinstruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	23220.00
26100A	0	Place ideatification sign :-Providing and fixing sing boards made out of 2mm aluminium sheet; size 150 x 90cms. rectangle as as per the design of IRC-67-1977 pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with retro reflektive sheeting as per latest M.O.S.T. Specifications; Letters and numerals should be as per IRC-30-1968, 3.1m long (2 nos) stand post and frame fabricated from suitable size iron angle of 50x50x5mm 75x75x6mm as required; painted with best quality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60cms. for each leg. including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	6832.35

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26100B	0	Place Identification Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 150x90 cms. rectangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 4.0mtr (2 Nos.) long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting	No	11933.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26100C		Place Identification Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 150x90 cms. rectangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 4.0mtr long (2 Nos.) stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol foreach board shall be as per theinstruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	15406.00
26101A	0	Village name/ Bump Ahead sign :-Providing and fixing sing boards made out of 2mm aluminium sheet; size 90 x 60cms. rectangle as as per the design of IRC-67-1977 pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; Letters and numerals should be as per IRC-30-1968, 3.1m long (2 nos) stand post and frame fabricated from suitable size iron angle of 50 x 50 x 5mm painted with best quality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60cms. for each leg. including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	3196.20

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26101B	0	Village name Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 90x60 cms. rectangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.3mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting	No	5348.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26101C		Village Name Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 90x60 cms. rectangular as per design of IRC-67-2012. Pre treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflective sheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.3mtr long stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with best quality epoxy coatings in black and white bends. The details of symbol or inscription/letters / numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	6737.00
26102A	0	Hazard Marker Sign :-Providing and fixing sing boards made out of 2mm aluminium sheet; size 90 x 30cms. rectangle as as per the design/drawing attached (IRC) pretreated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; 3.1m long stand post and frame fabricated from suitable size iron angle of 35 x 35 x 3mm & 50 x 50 x 5mm painted with best quality epoxy coatings The fixing at site shall be in 1:2:4 CC block of size 45x45x 60cms. for each leg. including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	1821.75

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26102B	0	Hazard Marker Sign :-Providing and fixing sign boards made out of 2.0 mm aluminium sheet / 4 mm ACP (Aluminum composite Panel); size 90x30 cms. rectangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 1.8mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting	No	3153.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26102C		Hazard Marker Sign :-Providing and fixing sign boards made out of 2.0 mm aluminium sheet / 4 mm ACP (Aluminum composite Panel); size 90x30 cms. rectangular as per design of IRC-67-2012. Pre treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflective sheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 1.8mtr long stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with best quality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	3848.00
26103A	0	Sign Board per square Meter :-Providing and fixing sign boards made out of 2mm aluminium sheet; size 1 Meter x 1 Meter as as per the design given by engineer in charge pre treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; Letters and numerals should be as per IRC-30-1968, 3.1m long (2 nos) stand post and frame may be fabricated either from suitable size iron angle of 35 x 35x 3mm & 50 x 50 x 5mm & 75 x 75 x 6mm as required painted with best quality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60cms. for each leg. including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	5131.35

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26103B	0	Sign board per Square Meter :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 1 meter x 1meter as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflective sheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 4 mtr long stand post (2 Nos.) of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 50x50x5mm; painted with best quality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting	No	10361.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26103C		Sign board per Squate Meter :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 1meter x1 meter as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflective sheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 4 mtr long stand post (2 Nos.) of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 50 x 50 x 5mm; painted with bestquality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge.The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	12934.00
26104A	0	Men at work (Heavy) sign :-Providing and fixing sing boards made out of 2mm aluminium sheet; size 120 x 90cms. rectangle as as per the attached drawing. pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; Letters and numerals should be as per IRC-30-1968, 3.1m long (2 nos) stand post and frame fabricated from suitable size iron angle of 50 x 50 x 5mm painted with best quality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60cms. for each leg. including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	4868.85

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26104B	0	Men at work (Heavy) sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 120cm x 90cm as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflective sheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6 mtr long stand post (2 Nos.) of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 50x50x5mm; painted with best quality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting	No	10333.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26104C		Men at work (Heavy) sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 120cm x90cm rectangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflektivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6 mtr long stand post (2 Nos.) of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 50 x 50 x 5mm; painted with bestquality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge.The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	13112.00
26105A	0	Men at work (2' x 2') sign :-Providing and fixing sing boards made out of 2mm aluminium sheet; size 60 x 60cms. equare as as per the attached drawing. pretreated with phospheting process &acid etching coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with retro reflektive sheeting as per latest M.O.S.T. Specifications; 3.10m long stand post and frame febricated from iron anegle of 35 x 35 x3mm and 50 x50x5mm as required . Painted with best quality epoxy coatings in black and white bends. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60cms. for each leg. including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	2088.45

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26105B	0	Men at work (2' x 2') sign :-Providing and fixing sign boards made out of 2.0 mm aluminium sheet / 4 mm ACP (Aluminum composite Panel); size 60cmx60cm as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflective sheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.3 mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 50x50x5mm; painted with best quality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting	No	4203.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26105C		Men at work (2' x 2') sign :-Providing and fixing sign boards made out of 2.0 mm aluminium sheet / 4 mm ACP(Aluminum composite Panel); size 60cm x 60cm square as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.3 mtr long stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 50 x 50 x 5mm; painted with bestquality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge.The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	5129.00
26106A	0	Men at work (Folding) sign :-Providing and fixing sing boards made out of 2mm aluminium sheet; size 60 x 60x 60 cms. equilatrel as as per the attached drawing. pre treated with phospheting process & acid etching coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; stand post and frame febricated as per attached drawing painted with best quality epoxy coatings The details of symbol or in inscription or numerals as per attached drawing(A) Engineer Grade(VR)...	No	806.40

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26106B	0	Men at work (Folding) sign :-Providing and fixing sign boards made out of 2.0 mm aluminium sheet / 4 mm ACP (Aluminum composite Panel); size 60x60x60cm equilateral Triangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.3 mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35x35x3mm; painted with bestquality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting	No	2965.00
26106C		Men at work (Folding) sign :-Providing and fixing sign boards made out of 2.0 mm aluminium sheet / 4 mm ACP (Aluminum composite Panel); size 60x60 x 60cm equilateral triangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.3 mtr long stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	3366.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26107A	0	Tree guard sign :-Providing & fixing sign board made out of 2mm aluminium sheet, size 30cms diameter circle, pretreated with phospheting process and acid etching, painted with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest M.O.S.T. specifications (As per attached drawing)(A) Engineer Grade(VR)...	No	269.85
26107B	0	Tree Guard sign :-Providing & fixing sign board made out of 2mm aluminium sheet / 3mm ACP (Aluminum composite Panel) ,size 30cms diameter circle, pretreated with phospheting process and acid etching, painted with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest M.O.S.T. specifications. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting	No	469.00
26107C		Tree Guard sign :-Providing & fixing sign board made out of 2mm aluminium sheet / 3mm ACP (Aluminum composite Panel) , size 30cms diameter circle, pretreated with phospheting process and acid etching, painted with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest M.O.S.T. specifications. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	651.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26108A	0	Route marker sign :-Providing & fixing sign boards made out of 2mm aluminium sheet, size 60x45cms. rectangle plus 30x25cms additional plate as per the attached drawing (IRC) pre treated with phospheting process & acid etching. coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro sheeting as per latest M.O.S.T. Specifications ; 3.1m long stand post and frame fabricated from iron angle of 35 x 35 x 3mm , 75x75x6mm as required, painted with best quality epoxy coating in black and white bends The details of numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45x 60cms. for each leg, including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	2105.25
26108B	0	Route Marker sign :-Providing and fixing sign boards made out of 2.0 mm aluminium sheet / 4 mm ACP (Aluminum composite Panel); size 60x45cm rectangular plus 30x25cm additional plate as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6 mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35x35x3mm; painted with bestquality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting	No	4306.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26108C		Route Marker sign :-Providing and fixing sign boards made out of 2.0 mm aluminium sheet / 4 mm ACP (Aluminum composite Panel); size 60x45 cm rectangular plus 30x25cm additional plate as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6 mtr long stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge.The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	5193.00
26109A	0	Danger Plate Sign :-Providing & fixing sign board made out of 2mm aluminium sheet, size 30cms diameter circle, pretreated with phospheting process and acid etching, painted with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest M.O.S.T. specifications (As per attached draiwng)(A) Engineer Grade(VR)...	No	269.85

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26109B	0	Danger Plate sign :-Providing & fixing sign board made out of 2.0 mm aluminium sheet / 4 mm ACP (aluminum Composite Panel), size 30cms diameter circle, pretreated with phosphating process and acid etching, painted with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest M.O.S.T. specifications. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-B Type-4 Retro Reflective sheeting	No	469.00
26109C		Danger Plate :-Providing & fixing sign board made out of 2.0 mm aluminium sheet / 4 mm ACP (aluminum Composite Panel), size 30cms diameter circle, pretreated with phosphating process and acid etching, painted with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest M.O.S.T. specifications. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	651.00
26110A	0	Railway crossing sign:Providing & Fixing sign boards made out of 2mm aluminium sheet, size 90x90x90cms. triangle plus 90 x 30cms additional plate as per the attached drawing (IRC) pre treated with phosphating process & acid etching. coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro sheeting as per latest M.O.S.T. Specifications 3.1. long stand post and frame fabricated from iron angle of 35 x 35 x 3mm , 75 x 75 x 6mm as required painted with best quality epoxy coatings in black and white bends. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 cms for each leg. including excavation curing etc. complete the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	3194.10

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26110B	0	Railway crossing sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 90 x 90 x 90 cms. equilateral triangle plus 90x30cm additonal plate as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting	No	5980.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26110C		Railway crossing sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 90 x 90 x 90 cms. equilateral triangle plus 90x30cm additional plate as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6mtr long stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol foreach board shall be as per theinstruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	7575.00
26111A	0	Four/Two lane Ahead sign :-Providing & Fixing sign boards made out of 2mm aluminium sheet, size 120 x 120 cms square plus 120 x 60cms additional plate as per the attached drawing pre treated with phosphetingg process & acid etching. coated with one coat of epoxy priemr and two coats of best quality epoxy paint reflectorised with retro sheeting as per latest M.O.S.T. Specifications; Letters and numerals should be as per IRC-30-1968,3.1m long (2nos) stand post and frame fabricated either from iron angle of 50x50x5mm, 75x75x6mm as required, painted with best quality epoxy coating in black and white bends The fixing at site shall be in 1:2:4 CC block of size 45 x 45x 60cms for each leg, including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	9547.65

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26111B	0	Four (Two) LANE Ahead Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 120x120 cms. square plus 120x60cm additional plate as per design of IRC-67-2012. Pre treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 4 mtr long stand post (2 Nos.) of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting	No	16998.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26111C		Four (Two) Lane Ahead Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 120x120 cms. square plus 120x60 cm additional plate as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 4 mtr long stand post (2 Nos.) of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol foreach board shall be as per theinstruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	22555.00
26112A	0	Diversion sing board :-Providing & Fixing sign boards made out of 2mm aluminium sheet, size 180 x 60 cms. rectangle as per the attached drawing pre treated with phospheting process & acid etching. coated with one coat of epoxy priemr and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; Letters and numerals should be as per IRC-30-1968,3.1m long (2nos) stand post and frame fabricated from iron angle of 35x35x3mm, 50x50x5mm painted with best quality epoxy coatings in blak and white bends. The fixing at site shall be in 1:2:4 CC block of size 45 x 45x 60cms for each leg, including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	5139.75

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26112B	0	<p>Diversion Ahead Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 180x60 cms. rectangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro refiectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.1 mtr long stand post (2 Nos.) of Iron Angle 50 x 50 x 5mm / 50NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting</p>	No	9151.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26112C		<p>Diversion Ahead Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 180x60 cms. rectangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro refiectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.1 mtr long stand post (2 Nos.) of 50 x 50 x 5mm / 50NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol foreach board shall be as per theinstruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting</p>	Each	11929.00
26113A	0	<p>Kerb guard sign board (small) :-Providing & Fixing sign boards made out of 2mm aluminium sheet, size 240 x 30 cms in U spape; as per the attached drawing pre treated with phospheting process & acid etching. coated with one coat of epoxy priemr and two coats of best quality epoxy paint reflectorised with retro sheeting as per latest M.O.S.T. Specifications; stand post and frame fabricated from iron angle of 50x50x5mm, 10mm sq. bar as required, painted with best quality epoxy coating the fixing at site shall be in 1:2:4 CC block of size 45 x 45x 60cms for each leg, including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...</p>	No	4029.90

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26113B	0	Kerb guard sign board (small) :-Providing & Fixing sign boards made out of 2mm aluminium sheet, size 240 x 30 cms in U shape; as per the attached drawing pre treated with phosphating process & acid etching. coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; stand post and frame fabricated from iron angle of 50x50x5mm, 10mm sq. bar as required, painted with best quality epoxy coating the fixing at site shall be in 1:2:4 CC block of size 45 x 45x 60cms for each leg, including excavation curing etc. complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor.(B) Class-B Type-4 Retro Reflective sheeting	No	6485.00
26113C		Kerb guard sign board (small) :-Providing & Fixing sign boards made out of 2mm aluminium sheet, size 240 x 30 cms in U shape; as per the attached drawing pre treated with phosphating process & acid etching. coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with Micro Prismatic Grade retro reflectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; stand post and frame fabricated from iron angle of 50x50x5mm, 10mm sq. bar as required, painted with best quality epoxy coating the fixing at site shall be in 1:2:4 CC block of size 45 x 45x 60cms for each leg, including excavation curing etc. complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	8337.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26114A	0	Kerb guard sign board (Big) :-Providing & Fixing sign boards made out of 2mm aluminium sheet, size 732 x 30 cms in U shape; as per the attached drawing pre treated with phosphating process & acid etching. coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest M.O.S.T. 3.1m long ; Stand post and frame fabricated from iron angle of 50 x 50 x 5mm, 10mm sq. bar as required, painted with best quality epoxy coating the fixing at site shall be in 1:2:4 CC block of size 45 x 45x 60cms for each leg, including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	9397.50
26114B	0	Kerb guard sign board (Big) :-Providing & Fixing sign boards made out of 2mm aluminium sheet, size 732 x 30 cms in U shape; as per the attached drawing pretreated with phosphating process & acid etching. coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with High Intensity Prismatic Grade retro reflective sheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; Stand post and frame fabricated from iron angle of 50 x50 x 5mm, 10mm sq. bar as required, painted with best quality epoxy coating the fixing at site shall be in 1:2:4 CC block of size 45 x 45x 60cms for each leg, including excavation curing etc. complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor.(B) Class-B Type-4 Retro Reflective sheeting	No	16100.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26114C		Kerb guard sign board (Big) :-Providing & Fixing sign boards made out of 2mm aluminium sheet, size 732 x 30 cms in Ushape; as per the attached drawing pretreated with phospheting process & acid etching. coated with one coat of epoxy priemr and two coats of best quality epoxy paint reflectorised with Micro Prismatic Grade retro refiectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications ; Stand post and frame fabricated from iron angle of 50 x50 x 5mm, 10mm sq. bar as required, painted with best quality epoxy coating the fixing at site shall be in 1:2:4 CC block of size 45 x 45x 60cms for each leg, including excavation curing etc. complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	21948.00
26115A	0	Around the Island/road direction sign board (Big) :- Providing & Fixing sign boards made out of 2mm aluminium sheet, size 180 x 60 cms rectangle as per the attached drawing pre treated with phospheting process & acid etching. coated with one coat of epoxy priemr and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest M.O.S.T. 3.1m long (2nos) stand post and frame fabricated from iron angle of 50x50x5mm, painted with best quality epoxy coating the fixing at site shall be in 1:2:4 CC block of size 45 x 45x 60cms for each leg, including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	5139.75

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26115B	0	<p>Around the Island / Road Direction Sign (Big) :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 180x60 cms. as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.3 mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting</p>	No	7094.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26115C		Around the Island / road Direction Sign board (Big) :- Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 180x60 cms. as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.3 mtr long stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per theinstruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	8946.00
26116A	0	Around the Island/road direction sign board (Small) :- Providing & Fixing sign boards made out of 2mm aluminium sheet, size 60 x 60 cms square, as per the attached drawing pre treated with phospheting process & acid etching. coated with one coat of epoxy priemr and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest M.O.S.T. 3.1m long (2nos) stand post and frame fabricated from iron angle of 35x35x3mm, & 50 x 50x 5mm as required painted with best quality epoxy coating the fixing at site shall be in 1:2:4 CC block of size 45 x 45x 60cms for each leg, including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	No	2088.45

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26116B	0	<p>Around the Island / Road Direction Sign (Small) :- Providing and fixing sign boards made out of 2.0 mm aluminium sheet / 4 mm ACP (Aluminum composite Panel); size 60x60 cms. as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.3 mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting</p>	No	4203.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26116C		Around the Island / road Direction Sign board (Small) :- Providing and fixing sign boards made out of 2.0 mm aluminium sheet / 4 mm ACP (Aluminum composite Panel); size 60x60 cms. as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.3 mtr long stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol foreach board shall be as per theinstruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	5129.00
26117A	0	Clearing and grubbing road land including uprooting rank vegetation grass bushes,shrubs,sapling and trees girth up to 300 mm removal of stumps of trees cut earlier and disposal of unserviceable materials(A) By manual means in area of light jungle	Hectare	52966.20
26117B	0	Clearing and grubbing road land including uprooting rank vegetation grass bushes,shrubs,sapling and trees girth up to 300 mm removal of stumps of trees cut earlier and disposal of unserviceable materials (B) By manual in area of thorny jungle	Hectare	70621.95
26117C	0	Clearing and grubbing road land including uprooting rank vegetation grass bushes,shrubs,sapling and trees girth up to 300 mm removal of stumps of trees cut earlier and disposal of unserviceable materials (C) By mechanical means in area of light jungle	Hectare	32040.85

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26117D	0	Clearing and grubbing road land including uprooting rank vegetation grass bushes,shrubs,sapling and trees girth up to 300 mm removal of stumps of trees cut earlier and disposal of unserviceable materials(D) By mechanical means in area of thorny jungle	Hectare	38956.28
26118	0	Rolling and consolidation using vibratory road roller 8 - 10 tonne capacity (incl. watering)(A) Earth work (layer not exceeding 200mm thickness)	cu.m	38.66
26118B	0	Rolling and consolidation using vibratory road roller 8 - 10 tonne capacity (B) Granular sub base(Layer not exceeding 150mm thickness)	cu.m	40.00
26118C	0	Rolling and consolidation using vibratory road roller 8 - 10 tonne capacity (C) Water bound Macadam (Layer not exceeding 100mm thickness)	cu.m	75.00
26118D	0	Rolling and consolidation using vibratory road roller 8 - 10 tonne capacity (D) Bituminous Macadam (Layer not exceeding 50mm thickness)	cu.m	26.00
26119		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP3 of following internal diameter. 1400 mm dia.	Rmt	8269.90
26120		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP3 of following internal diameter. 1600 mm dia.	Rmt	10641.73
26121		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP3 of following internal diameter. 1800 mm dia.	Rmt	12304.33
26122		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP4 of following internal diameter. (i) 300 mm dia.	Rmt	977.69

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26123		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP4 of following internal diameter. (ii) 450 mm dia.	Rmt	1666.51
26124		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP4 of following internal diameter. (iii) 600 mm dia.	Rmt	2900.07
26125		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP4 of following internal diameter. (iv) 900 mm dia.	Rmt	5235.35
26126		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP4 of following internal diameter. (v) 1000 mm dia.	Rmt	4979.57
26127		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP4 of following internal diameter. (vi) 1200 mm dia.	Rmt	7467.66
26128		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP4 of following internal diameter. (vii) 1400 mm dia.	Rmt	8839.60
26129		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP4 of following internal diameter. (viii) 1600 mm dia.	Rmt	12211.32
26130		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP4 of following internal diameter. (x) 1800 mm dia.	Rmt	15350.51

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26131		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP3 casted by vertically vibrated technology of following internal diameter. (i) 300 mm dia.	Rmt	1026.52
26132		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP3 casted by vertically vibrated technology of following internal diameter. (ii) 450 mm dia.	Rmt	1451.42
26133		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP3 casted by vertically vibrated technology of following internal diameter. (iii) 500 mm dia.	Rmt	1742.09
26134		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP3 casted by vertically vibrated technology of following internal diameter. (iv) 600 mm dia.	Rmt	2207.15
26135		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP3 casted by vertically vibrated technology of following internal diameter. (v) 900 mm dia.	Rmt	3554.14
26136		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP3 casted by vertically vibrated technology of following internal diameter. (vi) 1000 mm dia.	Rmt	5299.30

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26137		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP3 casted by vertically vibrated technology of following internal diameter. (vii) 1200 mm dia.	Rmt	6177.11
26138		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP3 casted by vertically vibrated technology of following internal diameter. (viii) 1400 mm dia.	Rmt	8269.90
26139		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP4 casted by vertically vibrated technology of following internal diameter. 300mm dia.	Rmt	977.69
26140		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP4 casted by vertically vibrated technology of following internal diameter. 450mm dia.	Rmt	1666.51
26141		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP4 casted by vertically vibrated technology of following internal diameter. 500mm dia.	Rmt	2050.19
26142		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP4 casted by vertically vibrated technology of following internal diameter. 600mm dia.	Rmt	2869.87

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26143		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP4 casted by vertically vibrated technology of following internal diameter. 900mm dia.	Rmt	4293.60
26144		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP4 casted by vertically vibrated technology of following internal diameter. 1000mm dia.	Rmt	4979.57
26145		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP4 casted by vertically vibrated technology of following internal diameter. 1200mm dia.	Rmt	7467.66
26146		Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (To level of slops of I.S. 458 / 1971 Class NP4 casted by vertically vibrated technology of following internal diameter. 1400mm dia.	Rmt	8839.60
26147		Preparing and applying of water soluble silane nanotechnology with water (<1000 ppm TDS) in the ratio of 1kg silane : 200 liter water mixed with 0.5 kg acrylic copolymer polymer. Take 1 kg of silane nanotechnology and add in 200 liter water while filling water in tanker/drum and then add 0.5 kg acrylic copolymer. Spray the solution at the rate of 1 liter per sqm on the existing bituminous surface,	sqm	6.50
26147A		Preparing and applying of water soluble silane nanotechnology with water (<1000 ppm TDS) in the ratio of 1kg silane : 200 liter water mixed with 0.5 kg acrylic copolymer polymer. Take 1 kg of silane nanotechnology and add in 200 liter water while filling water in tanker/drum and then add 0.5 kg acrylic copolymer. Spray the solution at the rate of 3 liter per sqm on the existing bituminous surface,	sqm	19.64

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26147B		Preparing and applying of water soluble silane nanotechnology with water (<1000 ppm TDS) in the ratio of 1kg silane : 200 liter water mixed with 0.5 kg acrylic copolymer polymer. Take 1 kg of silane nanotechnology and add in 200 liter water while filling water in tanker/drum and then add 0.5 kg acrylic copolymer. Spray the solution at the rate of 1.5 liter per sqm on the existing bituminous surface, For Morderate Distressed bituminous road	sqm	9.75
26147C		Preparing and applying of water soluble silane nanotechnology with water (<1000 ppm TDS) in the ratio of 1kg silane : 200 liter water mixed with 0.5 kg acrylic copolymer polymer. Take 1 kg of silane nanotechnology and add in 200 liter water while filling water in tanker/drum and then add 0.5 kg acrylic copolymer. Spray the solution at the rate of 2 liter per sqm on the existing bituminous surface, For Severe Distressed bituminous road	sqm	13.00
26148		Preparing and applying of water soluble silane nanotechnology with water (<1000 ppm TDS) in the ratio of 1kg silane : 200 liter water mixed with 0.5 kg acrylic copolymer polymer. Take 1 kg of silane nanotechnology and add in 200 liter water while filling water in tanker/drum and then add 0.5 kg acrylic copolymer. Spray the solution at the rate of 2 liter per sqm on side of shoulders & slopes of the existing bituminous road.	sqm	13.54
26149		Preparing and applying of water soluble silane nanotechnology with water (<1000 ppm TDS) in the ratio of 1kg silane :200 liter water mixed with 0.5 kg acrylic copolymer polymer. Take 1 kg of silane nanotechnology and add in 200 liter water while filling water in tanker/drum and then add 0.5 kg acrylic copolymer. Spray the solution at the rate of 1.5 liter per sqm on the non bituminous surface. Repeat the spray application 4 times.	sqm	25.91

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26150		(i) Rip and loosen the in-situ soil with a tractor operated ripper and rotovator to a depth of 200 mm. (ii) Prepare and apply 0.6 kg silane per CuM of soil with water (<1000 ppm TDS) optimum moisture content (typically 10 to 14%). Spray the solution on loose soil with scarification at optimum moisture content. If the soil is in wet condition than allow it to dry till moisture content reach near to natural moisture content. (iii) Spread single layer of 20-40 mm sizes machine cut aggregates on the graded surface and compact the soil-aggregate with vibro to achieve the desired density. (iv) Prepare and apply the solution of 1 kg silane nanotechnology : 0.5 kg acrylic copolymer (compatible and stable in silane solution) and 100 liter water (<1000 ppm TDS). Spray the solution at the rate of 2.5 liter per sqm on soil-aggregate soil. Compact the soil-aggregate with vibro till hammer in dentation is not seen and achieve smooth stone embedded waterproofed surface.	sqm	181.70
26151		Preparing and applying of water soluble silane nanotechnology (for bitumen emulsion application, IRC approved) with cationic bitumen emulsion CSS1 and water (<1000 ppm TDS) in the ratio of 3 kg silane : 100 kg cationic bitumen emulsion : 500 liter water. Take 3 kg of silane nanotechnology and add in 500 liter water while filling water in tanker/drum and then add 100 kg cationic bitumen emulsion under circulation. Mix the solution completely. Spray the solution at the rate of 1 liter per sqm on the existing bituminous. Check quality of bitumen emulsion before bulk use.	sqm	16.22
26151A		Preparing and applying of water soluble silane nanotechnology (for bitumen emulsion application, IRC approved) with cationic bitumen emulsion CSS1 and water (<1000 ppm TDS) in the ratio of 3 kg silane : 100 kg cationic bitumen emulsion : 300 liter water. Take 3 kg of silane nanotechnology and add in 300 liter water while filling water in tanker/drum and then add 100 kg cationic bitumen emulsion under circulation. Mix the solution completely. Spray the solution at the rate of 1 liter per sqm on the existing bituminous. Check quality of bitumen emulsion before bulk use.	sqm	23.93

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26152		Preparing and applying of water soluble silane nanotechnology (for bitumen emulsion application, IRC approved) with cationic bitumen emulsion CSS1 and water (<1000 ppm TDS) in the ratio of 1.4 kg silane : 100 kg cationic bitumen emulsion : 200 liter water. Take 1.4 kg of silane nanotechnology and add in 200 liter water while filling water in tanker/drum and then add 100 kg cationic bitumen emulsion under circulation. Mix the solution completely. Spray the solution at the rate of 0.4 liter per sqm on the existing bituminous. Check quality of bitumen emulsion before bulk use.	sqm	9.88
26153		Preparing and applying of water soluble silane nanotechnology (for bitumen emulsion application, IRC approved) with cationic bitumen emulsion CSS1 and water (<1000 ppm TDS) in the ratio of 1 kg silane : 100 kg cationic bitumen emulsion : 200 liter water. Take 1 kg of silane nanotechnology and add in 200 liter water while filling water in tanker/drum and then add 100 kg cationic bitumen emulsion under circulation. Mix the solution completely. Spray the solution at the rate of 1 liter per sqm on the existing bituminous. Check quality of bitumen emulsion before bulk use.	sqm	22.46
26154		(i) Shape the pothole in square or rectangle. Clean the surface and remove all loose material. (ii) Prepare the solution in the ratio of 1 kg silane nanotechnology with 100 liter water (< 1000 ppm TDS). Spray the solution 1 liter per sqm to make water resistant pothole / patch. (iii) CSS1 with silane for cold mix: a) Add 0.425 kg silane nanotechnology in 85 kg of CSS1 cationic bitumen emulsion water based under manual stirring. Add 8.5 liter water (<1000ppm TDS) means 10% of CSS1 bitumen emulsion in the solution under manual stirring for improving workability. b) Pour the prepared bitumen emulsion solution on 915 kg aggregates under manual / mechanical mixing. c) Fill and spread the cold mix in pothole / patch area. Compact the mix using mechanical roller or plate compactor. (iv) Spray mixture of 1 kg silane : 200 kg CSS1 : 20 liter water (< 1000 ppm TDS) at the rate of 1 liter per sqm followed by spreading of stone dust on it.	sqm	654.15

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26155		A (i) Shape the pothole in square or rectangle and remove all loose material. (ii) Prepare the solution in the ratio of 1 kg silane nanotechnology with 100 liter water (< 1000 ppm TDS). Spray the solution 1 liter per sqm to make water resistant pothole / patch.B. Prepare the solution in the ratio of 1 kg silane and 200 liter water (< 1000 ppm TDS). Spray the solution 5% by weight of WMM mix in pug mill for treating WMM mix. Transfer the silane treated mix to site of work by contractors own tipper. Fill water resistant WMM mix in pothole / patch in such a way that top 50 mm depth remain empty for cold mix filling. (change RA according to the depth of pothole). C. Prepare and Spray the mixture of 1 kg silane : 200 kg CSS1 cationic bitumen emulsion water based: 20 liter water (< 1000 ppm TDS) at the rate of 1 liter per sqm on compacted surface. D. a) Add 0.425 kg silane nanotechnology in 85 kg of CSS1 cationic bitumen emulsion water based under manual stirring. Add 8.5 liter water (<1000ppm TDS) means 10% of CSS1 bitumen emulsion in the solution under manual stirring for improving workability. (b) Pour the prepared bitumen emulsion solution on 915 kg aggregates under manual / mechanical mixing. (c) Fill and spread the cold mix in pothole / patch area. Compact the mix using mechanical roller or plate compactor. E. Spray mixture of 1 kg silane : 200 kg CSS1 : 20 liter water (< 1000 ppm TDS) at the rate of 1 liter per sqm followed by spreading of stone	sqm	675.15
26156		Construction of embankment with approved material obtained from borrow pits with all lifts and leads, transporting to site spreading, grading to required slope and compacting to meet requirement to table 300-2 , Construction of Embankment with Material Obtained from Borrowpits	cu.m	137.37
26157		Construction of embankment with approved material obtained from borrow pits with all lifts and leads, transporting to site spreading, grading to required slope and compacting to meet requirement to table 300-2, Construction of Embankment with Material Obtained from Borrowpits area within 0.5 Km Lead	cu.m	304.95

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26158		Construction of embankment with approved material obtained from borrow pits with all lifts and leads, transporting to site spreading, grading to required slope and compacting to meet requirement to table 300-2, Construction of Embankment with Material Obtained from Borrowpits area within 1.0 Km Lead	cu.m	317.21
26159		Construction of embankment with approved material obtained from borrow pits with all lifts and leads, transporting to site spreading, grading to required slope and compacting to meet requirement to table 300-2, Construction of Embankment with Material Obtained from Borrowpits area within 2.0 Km Lead	cu.m	340.74
26160		Construction of embankment with approved material obtained from borrow pits with all lifts and leads, transporting to site spreading, grading to required slope and compacting to meet requirement to table 300-2 Construction of Embankment with Material Obtained from Borrowpits area within 3.0 Km Lead	cum	363.97
26161		Road marking with hot applied thermoplastic paints with reflectorising glass beads on bitumin surface providing and laying a hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250gms per sqm area, thickness of 2.5mm is excluding of surface applied glass beds as per IRC:35-2015. The finished surface to be level, uniform and free from streaks and holes. zebra patta /bump patta lane/center line/ edge line/cut patta. The white color marking should provide liminance coefficinet on cemend road shall be min 130 mcd/m2/lux and Asphalt road shall be min 100 mcd/m2/lux during the service life during the day time. The marking should meet the performance criteria for night time reflectivity, wet reflectivity and skid resistance as mentioned in the section-15 of IRC 35-2015. Warranty for the Retro reflectivity should be two years.	Sqm	296.40

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26162		Cat Eye / Road Stud / RPM: Supplying Raised Pavement Markers made of polycarbonate and ABS moulded body and reflective panels with Micro prismatic lens (No Glass bead lens) capable of providing total internal reflection of the light entering the lens face and shall support a load of 13635 kgs. tested in accordance to ASTM D 4280 Type H and complying to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97 DO III Dt 11.06. 1997. The height, width and length shall not exceed 20 mm, 130 mm and 130 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 +/- 5 degree. The body of the marker should having finger grip for easy and accurate placement and application with epoxy / bituminous Adhesive as recommended by the manufacturer of the marker. The color of the marker should be as per the IRC 35-2015 and as directed by Engineer-in-charge.	No.	303.00
26162A		Cat Eye / Road Stud / RPM: Supplying of Molded Twin Shanks Raised Pavement Markers made of polycarbonate and ABS moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 13635 kgs. tested in accordance to ASTM D 4280 Type H and complying to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97 DO III Dt 11.06. 1997. The height, width and length shall not exceed 20 mm, 130 mm and 130 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 +/- 5 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 +/- 2 mm and height not less than 30 +/- 2 mm) from the body is to be a minimum value of 500 Kgf. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturers recommendation and The color of the marker should be as per the IRC 35-2015 and as directed by Engineer-in-charge.	Each	361.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26163		Supplying and fixing cat eye (Stimsonite) made out from Acrilo beutile sterine injuction high compressed molding with reflector made of MMC (prismatic type of size 12cm x 6cm x 2.5cm) provided with bituminous adhesive 100g. with each unit for fixing. (High Intensity grade)	No.	372.00
26164		Flexible Median Marker : Providing and Fixing of Flexible Median Marker that are made of tough, high impact resistant, injection-molded, thermoplastic body with property of flexibility to provide high durability. The dimension of Flexible Median Marker should not exceed 18.4 cm in height(including shank height),12.5 Cm in width. ,0.65 cm in thickness and shank depth shall be 3.4 cm The body structure shall be rounded at all its corners and edges. The plastic used for molding the Flexible Median Marker should survive impact load of 5kg continuously for 750 times at room temperature. The logo of the manufacturer shall be embossed on either side of the body in the injection molding process. The Median Marker shall have flame like shaped body with, fluorescent yellow color retro-reflective sheeting of size not less than 90 Cm square, with fully reflective micro prismatic cube corners as its retro-reflective elements as per IRC 67 2012 and ASTM D4956-09 type XI specifications reflectivity values. The retro-reflective sheeting shall be one or both sides of the Flexible Median Marker and shall be edge protected with no exposed edges which will prevent edge lifting, vandalism, sheeting damage, etc. The Flexible Median Marker shall be fixed by a combination of epoxy adhesive and grouting as recommended by manufacturer and Engineer in charge.	Each	284.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26165		AFP (Aluminum Backed Flexible Prismatic): Providing and fixing Aluminum backed flexible prismatic sheeting , consisting of yellow/black colored flexible prismatic sheet with non-mettalic prismatic lens as retro reflective elements and confirming to ASTM D4946 Type VI specifications for reboundable retro reflective sheeting. This flexible prismatic sheeting shall be of 30cm width and laminated at the back with a 50 micron Aluminum (Al) foil with pressure sensitive adhesive and liner. Further, this flexible prismatic sheeting shall have screen printed arrow/slant line pattern in black color in a continuous roll format. The AFP sheeting, with the liner removed, shall be applied with a neoprene contact adhesive with a Polychloroprene as base, viscosity of 200-450 cps and solid content of 20-30%. Once applied, the edges of the product shall be sealed all around with a two-part epoxy based structural adhesive and shall be extremely resistant to peel-off. A test report from institutes like ARAI/CRRRI confirming to above mentioned flexibility and ASTM-D4956-09 Type-VI retroreflectivity performance of the flexible prismatic sheeting used in AFP shall be submitted as directed by Engineer-In-Charge.	Each	6640.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26166		Standard Delineator: Providing and fixing of Standard Metal Delineator consisting of minimum retro reflective unit exposed area of 330 cm ² white color, full cube corner micro prismatic non-metallic retro reflective sheeting on each side conforming with IRC 67 2012 and meeting the coefficient of retro reflection values as per ASTM D 4956 Type XI table specification. The delineator shall be painted with powder coat of minimum 40 microns thickness, on top of which retro reflective sheeting shall be pasted on both sides. The structure shall be manufactured in roll forming process and shall have height not less than 800 mm above the ground, width not less than 100 mm and shall extend not more than 300mm below the ground while being installed. height of sheeting should be minimum 150mm whereas width of sheeting should not be less than 75mm (should be placed every alternative 15cm). The front and back faces of the delineator should be curved with a radius of not more than 200 mm and with delta angle (or central angle of curve) lying between 20o and 30o, to increase the visibility of the delineator for vehicles moving in continuous curves. The delineator shall have grooves across the length to make the reflective sheets vandal-proof. The delineator is meant for application on gaps in median, traffic islands, dangerous bends, roundabouts, narrow bridges etc. or as desired by site engineer	Each	1117.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26167		Solar Stud: Supplying of Solar Raised Pavement Markers made of polycarbonate molded body with circular shape, solar powered, LED self illumination in active mode, 360 degree illumination and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face in passive mode. The marker shall support a load of 20000 kg tested in accordance to ASTM D 4280. The marker should be resistant to dust and water ingress according to IP 65 standards and should withstand temperatures in the range of 0 C to 70 C. Color of lighting could be provided in red or yellow (amber) as per requirement and typical frequency of blinking is 1 Hz. There should be current losses of less than 20 micro-amperes at 2.4 V in sleep-charging mode to enhance the life of the marker and a full charge should provide for a minimum autonomy of 50 hours. The height, width and length of the marker shall not be less than 10 mm x 100 mm x 100 mm. Also, the surface diameter of the marker shall not be less than 100 mm respectively. The weight of the marker shall not exceed 0.5 Kilograms. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturers recommendation and complete as directed by the engineer	Each	2398.00
26168		Providing and laying of Plastirib - T or equivalent raised profile edge line marking (audible warning) with hot applied thermoplastic road marking compound according to IRC 35 - 2015, Clause 7.7, with 2mm thick base coat layer above that ribs profile size of length 40mm X width 140mm X Height 6 mm thick (Total 8 mm thick) at the distance of 250 mm between two ribs including reflectorizing glass beads @ 250 gm/ sq.mt area. The maximum width of raised profile should be 150 mm. The thickness of 8 mm profile should be exclusive of surface applied glass beads. The finished surface to be levelled, uniform and free from streaks and holes, to be applied on edge lines. The profile marking should be mark basic line and raise line at a time simultaneously.	Each	995.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26169		Providing and laying of Plastirib - T or equivalent raised profile edge line marking (audible warning) with hot applied thermoplastic road marking compound according to IRC 35 - 2015, Clause 7.7, with 2mm thick base coat layer above that ribs profile size of length 40mm X width 140mm X Height 6 mm thick (Total 8 mm thick) at the distance of 500 mm between two ribs including reflectorizing glass beads @ 250 gm/ sq.mt area. The minimum and maximum width of raised profile should be 150 mm. The thickness of 8 mm profile should be exclusive of surface applied glass beads. The finished surface to be levelled, uniform and free from streaks and holes, to be applied on edge lines. The profile marking should be mark basic line and raise line at a time simultaneously.	Each	885.00
26170		Chevron sign :-Providing and fixing sign boards made out of 1.5mm aluminium sheet / 3mm ACP (Aluminum composite Panel); size 60x50 cm as per design of IRC-67-2012. Pre treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflective sheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.3 mtr long stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 50 x 50 x 5mm; painted with best quality epoxy coatings in black and white bands. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge.The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	Each	4722.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26171		Chevron sign :-Providing and fixing sign boards made out of 1.5mm aluminium sheet / 3mm ACP (Aluminum composite Panel); size 60x50cm rectangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflective sheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.3 mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35x35x3mm; painted with best quality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-B Type-4 Retro Reflective sheeting	Each	3950.00
26172		Supplying of solar road stud (Solar k tie) construction aluminium alloy steel 100 dc water proof design conform to IP67 Dimension 140 mm x 128mm x 82mm + 1mm height of shank + 54mm +0.5 mm diameter of shank 42.5 mm + 0.5 mm plastic unbreakable, scratch, resistant poly carbonate for maintenance free operation solar panel high efficiency mono-crystalline 3v/50 mAh Battery XTSRS.01. XTSRS.02. Super capacitor 2.7 v/22 of Six super bright LED with 18000 mod view distance up to 800 meters flash rate 1H2 according to customers requirement resist compression can take the load of 25 tons vehicle color red and yellow working time 80 to 100 hours continuously after the battery is fully charged and complete fixing will be drilling holes on the road for the shank to go inside with out nails and using epoxy resin based adhesive per manufactures recommendation and complete as directed by the Engineer.	Each	1676.00

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26173		Bitumen Impregnated Geotextile (Providing and laying bitumen impregnated geotextile layer after cleaning the road surface, geotextile conforming to requirements of clause 700, laid over a tack coat with 1.05 kg per sqm of paving grade bitumen 80-100 penetration and constructed to the requirement of clause 700)	Sqm	713.00
26174		Laying Paving Fabric Beneath a Pavement Overlay (Providing and laying paving fabric with physical requirement as per table 704-2 over a tack coat of paving grade Bitumen 80-100 penetration, laid at the rate of 1 kg over thoroughly cleaned and repaired surface to provide a water resistant membrane and crack retarding layer. Paving fabric to be free of wrinkling and folding and to be laid before cooling of tack coat, brooming and rolling of surface with pneumatic roller to maximize paving fabric contact with pavement surface.	Sqm	338.00
26175		Providing and erecting a Road Restraint System -Roller System Barrier ETI Raller System H1 & H2 comprising of post of hot dip galvanized steel of 139.8 mm diameter (L-2200 and L-750) thickness 4.5 mm spaced with interval of 1 meter installed into hardened road. Safet frame rail from sheet of 3.2 mm thick are fixed to main posts, shock absorbing rallers 345 mm diameter and 430 mm height made of polypropylene - EVA, post caps, locker pipes and connection material. Distance between main past and short post shall be 500 mm and the height of upper edge rail is 960 mm. All steel parts (FRAME S235JR equivalent SS400) and post S235JR shall be hot dip galvanized against corrosion. The system shall be installed after Road Safety Survey, Liasoning for reports, Pre & Post Assessment & Installation report in accordance with the design & drawings and assembly instructions etc. complete	meter	86634.42

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 26 (B) ROAD WORK AND CULVERTS (FOR ALL ITEMS EXECUTED WITH MANUAL LABOUR)				
26B001A	26.16	Earthwork for embankment including breaking clods, dressing with all lead and lift (excluding watering and consolidation)(A) From Borrow pits within land width	cu.m	150.00
26B001B	26.16	Earthwork for embankment including breaking clods, dressing with all lead and lift (excluding watering and consolidation)(B) From Borrow area within 0.5 Km.lead	cu.m	287.50
26B001C	26.16	Earthwork for embankment including breaking clods, dressing with all lead and lift (excluding watering and consolidation)(C) From Borrow area within 1.0 Km.lead	cu.m	297.50
26B001D	26.16	Earthwork for embankment including breaking clods, dressing with all lead and lift (excluding watering and consolidation)(D) From Borrow area within 2.0 Km. lead	cu.m	317.50
26B001E	26.16	Earthwork for embankment including breaking clods, dressing with all lead and lift (excluding watering and consolidation)(E) From Borrow area within 3.0 Km. lead	cu.m	336.25
26B004A	0	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C. to required dry density including filling the depression which occur during the process usin (...)	cu.m	152.40
26B004B	0	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C. to required dry density including filling the depression which occur during the process usin (...)	cu.m	284.40
26B004C	0	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C. to required dry density including filling the depression which occur during the process usin (...)	cu.m	294.00
26B004D	0	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C. to required dry density including filling the depression which occur during the process usin (...)	cu.m	313.20

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26B004E	0	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C. to required dry density including filling the depression which occur during the process usin (...)	cu.m	331.20
26B005	0	Earthwork in cutting in all sorts of soil and soft murrum including conveying and spreading the stuff, embankment as and where directed within 200meters from the end of the cutting with all required lead and lift.	cu.m	181.25
26B006A	0	Earthwork in cutting in all sorts of soil and soft murrum including conveying and spreading the stuff, embankment as and where directed within 200meters from the end of the cutting with all required lead and lift.(A) Above 200 Meters upto 300 Meters.	cu.m	46.25
26B006B	0	Earthwork in cutting in all sorts of soil and soft murrum including conveying and spreading the stuff, embankment as and where directed within 200meters from the end of the cutting with all required lead and lift.(B) Above 300 Meters upto 400 Meters.	cu.m	68.50
26B006C	0	Earthwork in cutting in all sorts of soil and soft murrum including conveying and spreading the stuff, embankment as and where directed within 200meters from the end of the cutting with all required lead and lift.(C) Above 400 Meters upto 500 Meters.	cu.m	114.13
26B007	0	Earthwork in cutting in all sorts of soil and soft murrum including conveying and putting the stuff in spoil bank maintaining minimum distance of five meter between top edge and cutting and toe of spoil bank.	cu.m	150.00
26B008	0	Box cutting the road surface to proper slope and camber for making a base for road work including removing the excavated stuff and depositing on the road side slope as directed upto 50Mt.lead.	cu.m	150.00
26B009A	26.16	Earthwork in cutting including preparing the slope and camber and stacking or utilising the cutting stuff in bank as directed upto 200 Meters from the end of cutting with all lead and lift.(i) Hard murrum.	cu.m	353.75
26B009B	26.16	Earthwork in cutting including preparing the slope and camber and stacking or utilising the cutting stuff in bank as directed upto 200 Meters from the end of cutting with all lead and lift.(ii) Soft rock not requiring blasting.	cu.m	377.50

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
26B009C	26.16	Earthwork in cutting including preparing the slope and camber and stacking or utilising the cutting stuff in bank as directed upto 200 Meters from the end of cutting with all lead and lift.(iii) Hard rock.	cu.m	705.60

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
CHAPTER- 27 BRIDGE WORK				
27001A	0	Dismantling the existing structure including removing and stacking the dismantelled materials as and where directed. (A) R.C.C. work	cu.m	584.85
27001B	0	Dismantling the existing structure including removing and stacking the dismantelled materials as and where directed. (B) Rubble Masonry	cu.m	257.25
27002	0	Providing flood gauge marks on substructure as per design including painting complete.	Sqm	98.28
27003A	0	Providing masonry steps with Cement Pointing on approaches as directed.	Steps	144.90
27004AA	0	Providing and laying - Fitter Media 600mm thick directed at the back of abutments, returns and wing walls as per detailed specifications.	Sqm	779.10
27004BA	0	Providing and laying - Fitter Media 900mm thick directed at the back of abutments, returns and wing walls as per detailed specifacations.	Sqm	896.70
27005	0	Providing and filling sand behind abutments and between returns in layers as directed	cu.m	302.40
27006A	0	Providing and filling rubbles including hand packing and filling interstices with quarry spalls behind abutments and between returns as directed.	cu.m	796.05
27007A	0	Excavation for foundation in sand, gravel, clay soft soils and murrum etc. including shoring, strutting dewatering as necessary and disposing of the excavated stuff as directed.(A) Depth upto 3.0 M. and lead upto 100m for 10 Cum	cu.m	321.30
27007B	0	Excavation for foundation in sand, gravel, clay soft soils and murrum etc. including shoring, strutting dewatering as necessary and disposing of the excavated stuff as directed.(B) Depth from 3.0 to 6.0 M.and lead upto 100m for 10 Cum	cu.m	376.95
27007C	0	Excavation for foundation in sand, gravel, clay soft soils and murrum etc. including shoring, strutting dewatering as necessary and disposing of the excavated stuff as directed.(C) Depth from 6.0M. to 9.0M. and lead upto 100mm considering for	cu.m	415.80
27008	0	Excavation for foundation in hard murrum and boulders and very stiff or sticky, clays and other similar strata including shoring and strutting and dewatering as necessary and disposing of the excavated stuff as directed .	cu.m	384.30

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
27009	0	Excavation in large boulders and soft rock by welding including shoring, strutting and dewatering as necessary and disposing of the excavated stuff as directed.	cu.m	450.45
27010A	0	Excavation in hard rock by dry-wet blasting and chiselling including dewatering preparing foundation base by proper benching and stepping and disposing of the excavated stuff as directed.(A) General blasting	cu.m	541.80
27010B	0	Excavation in hard rock by dry-wet blasting and chiselling including dewatering preparing foundation base by proper benching and stepping and disposing of the excavated stuff as directed.(B) prohibited Blasting. work.	cu.m	1053.15
27011A1	0	Diversion of water course, providing cofferdam and bund or island as may be necessary for foundation and maintaining the same for the period as may be necessary. (F) Abutment Left (including returns/ wing walls)	Each	LS
27011A2	0	Diversion of water course, providing cofferdam and bund or island as may be necessary for foundation and maintaining the same for the period as may be necessary. (V) Pier Nos.	Each	LS
27011B	0	Diversion of water course, providing cofferdam and bund or island as may be necessary for foundation and maintaining the same for the period as may be necessary. (B) Diversion by cofferdam/Island (F) Abutment right (including returns / wing walls)	Each	LS
27012A	0	Providing and filling in foundation with ordinary Cement concrete M-100 mix and providing necessary vertical pin headers including formwork, vibrating, ramming and curing complete.	cu.m	2742.60
27013A	0	Providing and casting in situ Ordinary cement concrete M-150 for R.C.C. Raft and cut-off walls including necessary shuttering laying, vibrating, ramming and curing complete.	cu.m	3363.15
27014A	0	Providing and Casting in situ controlled Cement Concrete M-200 for R.C.C. Raft and cutt-off walls including necessary shuttering laying, vibrating, ramming and curing complete.	cu.m	4131.75
27015A	0	Providing and laying rubble for apron (each stone weighting not less than 40Kg.) including and packing and filing in the interestices with quarry-spalls.	cu.m	744.54
27016	0	Providing and filling sand below R.C.C. Raft in Layers including ramming and watering complete.	cu.m	302.40

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
27017A	0	Providing and filling trenches of Labour charges - Excavator in rocky strata with ordinary cement concrete M-75	cu.m	1897.35
27018A	0	Providing fabricating and setting out steel cutting edges for R.C.C. well curbs including lanching where necessary as per detailed drawing and as directed.	MT	55817.20
27019A	0	Providing and casting in situ Controlled Cement Concrete M-200 for well crubs including necessary shuttering laying, vibrating and curing complete.	cu.m	4131.75
27020A	0	Providing steel Liner for curbs and steining for wells including fabricating and setting out as per detailed drawing as directed.	MT	55263.09
27021A	0	Providing and casting in situ ordinary cement concrete M-100 mix for well steining including necessary shuttering, laying, vibrating and curing complete.	cu.m	3274.95
27022A	0	Providing and casting in situ ordinary cement concrete M-150 mix for well steining including, necessary shuttring, laying vibrating and curing complete.	cu.m	3259.20
27023A	0	Sinking single circular walls of interval Diameter upto 4.0 Mt. and thickness 0.75 to 1.0 Mt. foundation to levels in all sorts of soils including murrum to levels as per drawing by dredging, dewatering, drop chiselling, loading with necessary kentledge and other usual means as may be necessary for the type of work including all the necessary plant and machinery complete as directed.(a)Depth from 0.0 mtr to 3.0 mtr. Assuming sinking operation is done for 8 hours per day and during that time well sinks by 0.50 meters per day.	Rmt	20620.95
27023B	0	Sinking single circular walls of interval Diameter upto 4.0 Mt. and thickness 0.75 to 1.0 Mt. foundation to levels in all sorts of soils including murrum to levels as per drawing by dredging, dewatering, drop chiselling, loading with necessary kentledge and other usual means as may be necessary for the type of work including all the necessary plant and machinery complete as directed.(b)Additional from 3 to 6 Mtr. Assuming sinking operation is done for 8 hours per day and during that time well sinks by 0.50 meters per day.	Rmt	23075.85

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
27023C	0	Sinking single circular walls of interval Diameter upto 4.0 Mt. and thickness 0.75 to 1.0 Mt. foundation to levels in all sorts of soils including murrum to levels as per drawing by dredging, dewatering, drop chiselling, loading with necessary kentledge and other usual means as may be necessary for the type of work including all the necessary plant and machinery complete as directed.(b)Additional from 6 to 9 Mtr. Assuming sinking operation is done for 8 hours per day and during that time well sinks by 0.50 meters per day.	Rmt	25529.70
27023D	0	Sinking single circular walls of interval Diameter upto 4.0 Mt. and thickness 0.75 to 1.0 Mt. foundation to levels in all sorts of soils including murrum to levels as per drawing by dredging, dewatering, drop chiselling, loading with necessary kentledge and other usual means as may be necessary for the type of work including all the necessary plant and machinery complete as directed.(b)Additional from 9 to 12 Mtr. Assuming sinking operation is done for 8 hours per day and during that time well sinks by 0.50 meters per day.	Rmt	27983.55
27023E	0	Sinking single circular walls of interval Diameter upto 4.0 Mt. and thickness 0.75 to 1.0 Mt. foundation to levels in all sorts of soils including murrum to levels as per drawing by dredging, dewatering, drop chiselling, loading with necessary kentledge and other usual means as may be necessary for the type of work including all the necessary plant and machinery complete as directed.(b)Additional from 12 to 15 Mtr. Assuming sinking operation is done for 8 hours per day and during that time well sinks by 0.50 meters per day.	Rmt	30439.50
27023F	0	Sinking single circular walls of interval Diameter upto 4.0 Mt. and thickness 0.75 to 1.0 Mt. foundation to levels in all sorts of soils including murrum to levels as per drawing by dredging, dewatering, drop chiselling, loading with necessary kentledge and other usual means as may be necessary for the type of work including all the necessary plant and machinery complete as directed.(b)Additional from 15 to 18 Mtr. Assuming sinking operation is done for 8 hours per day and during that time well sinks by 0.50 meters per day.	Rmt	32892.30

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
27023G	0	Sinking single circular walls of interval Diameter upto 4.0 Mt. and thickness 0.75 to 1.0 Mt. foundation to levels in all sorts of soils including murrum to levels as per drawing by dredging, dewatering, drop chiselling, loading with necessary kentledge and other usual means as may be necessary for the type of work including all the necessary plant and machinery complete as directed.(b)Additional from 18 to 21 Mtr. Assuming sinking operation is done for 8 hours per day and during that time well sinks by 0.50 meters per day.	Rmt	35347.20
27023H	0	Sinking single circular walls of interval Diameter upto 4.0 Mt. and thickness 0.75 to 1.0 Mt. foundation to levels in all sorts of soils including murrum to levels as per drawing by dredging, dewatering, drop chiselling, loading with necessary kentledge and other usual means as may be necessary for the type of work including all the necessary plant and machinery complete as directed.(b)Additional from 21 to 24 Mtr. Assuming sinking operation is done for 8 hours per day and during that time well sinks by 0.50 meters per day.	Rmt	37802.10
27023I	0	Sinking single circular walls of interval Diameter upto 4.0 Mt. and thickness 0.75 to 1.0 Mt. foundation to levels in all sorts of soils including murrum to levels as per drawing by dredging, dewatering, drop chiselling, loading with necessary kentledge and other usual means as may be necessary for the type of work including all the necessary plant and machinery complete as directed.(b)Additional from 24 to 27 Mtr. Assuming sinking operation is done for 8 hours per day and during that time well sinks by 0.50 meters per day.	Rmt	40255.95
27023J	0	Sinking single circular walls of interval Diameter upto 4.0 Mt. and thickness 0.75 to 1.0 Mt. foundation to levels in all sorts of soils including murrum to levels as per drawing by dredging, dewatering, drop chiselling, loading with necessary kentledge and other usual means as may be necessary for the type of work including all the necessary plant and machinery complete as directed.(b)Additional from 27 to 30 Mtr. Assuming sinking operation is done for 8 hours per day and during that time well sinks by 0.50 meters per day.	Rmt	42710.85

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
27024	0	Sinking single circular wells of internal diameter upto 4.0 Mt. thickness 0.75 to 1.0 Mt. for foundation to levels in all sorts of soils including murrum to levels as per drawing by dredging, dewatering drop-chiselling loading with necessary kentledge and other usual means as may be necessary for the type of work including all the necessary plant and machinery complete as directed. Extra for sinking in soft rock. Assuming sinking operation is done for 8 hours per day and during that time well sinks by 0.25 meter / day	Rmt	25109.70
27025	0	Sinking single circular wells of internal diameter upto 4.0 Mt. thickness 0.75 to 1.0 Mt. for foundation to levels in all sorts of soils including murrum to levels as per drawing by dredging, dewatering drop-chiselling loading with necessary kentledge and other usual means as may be necessary for the type of work including all the necessary plant and machinery complete as directed. Extra for sinking in hard rock. Assuming sinking operation is done for 8 hours per day and during that time well sinks by 0.10 meter / day	Rmt	64131.90
27026A	0	Filling in Hollow of steel floating curbs and steining with ordinary cement concrete M-100 grade including vibrating and curing complete.	cu.m	2195.55
27027A	0	Filling in holow of steel floating curbs and steining with ordinary cement concrete M-150 grade including vibrating and curing complete.	cu.m	2630.25
27030	0	Load testing of foundation piles including loading with necessary kentledge or any other suitable method as directed.	MT	159.60
27031A	0	Providing and laying ordinary cement concrete M-150 mix for bottom plug for well in dry condition, including ramming and curing or under water by tremie or any other suitable method complete.	cu.m	2839.20
27032	0	Providing and fixing mild steel dowel bars of minimum 32mm dia. for anchoring by drilling holes in foundation strata including necessary bending, hooking of dowel bars and grouting the holes complete as per detailed drawing and as directed.	Rmt	444.44
27033	0	Providing and filling sand in between the top and bottom plugs with good sand in layers including compacting as directed.	cu.m	302.40

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
27034A	0	Providing and casting in situ ordinary cement concrete M-100 mix for top plug for well including laying ramming, vibrating and curing complete.	cu.m	2366.70
27035A	0	Providing and casting in situ controlled cement concrete M-150 for R.C.C. well cap including necessary formwork, vibrating, curing and finishing complete.	cu.m	3729.60
27036A	0	Providing and casting in situ controlled cement concrete M-200 for R.C.C. well cap including necessary formwork, vibrating, curing and finishing complete.	cu.m	3823.05
27037A	0	Providing and placing in position Mild steel bar reinforcement for following items including cutting, bending, hooking and tying complete as per detailed drawing.For well :- curb, staining, cap and RCC Raft.	MT	54112.12
27038A	0	Providing and placing in position HYSD bar reinforcement for following items including cutting bending hooking and tying complete as per detailed drawing.For well :- curb, staining, cap and RCC Raft.	MT	54659.17
27039	0	Empty boring through all sorts of strata for providing 1.20 Mt. diameter R.C.C. bored piles to required depth required depth including providing necessary casing pipe with all plants and equipments as required complete.	Rmt	1787.10
27040A	0	Providing and laying controlled cement concrete M-200 for R.C.C. bored piles of 1.20 Mt. diameter including ramming, vibrating, curing and finishing complete.	cu.m	3559.50
27041A	0	Providing and laying controlled cement concrete M-250 for R.C.C. bored piles of 1.20 Mt. diameter including ramming, vibrating and finishing complete.	cu.m	3795.75
27042A	0	Providing and fixing in position M.S. bar reinforcement for R.C.C.Bored piles as per detailed drawing, including hooking, tying welding and including forming the cage and lowering it in position.	MT	54418.59
27043A	0	Providing and fixing in position high yield strength deformed for R.C.C. bored piles as per detailed drawing, including cutting, bending hooking tying and welding complete and including forming the cage and lowering it in position.	MT	54418.59

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
27043B		Providing and fixing in position Fe 415 TMT for R.C.C. bored piles as per detailed drawing, including cutting, bending hooking tying and welding complete and including forming the cage and lowering it in position. (up to 10 ton)	MT	61401.76
27043C		Providing and fixing in position Fe 500D TMT for R.C.C. bored piles as per detailed drawing, including cutting, bending hooking tying and welding complete and including forming the cage and lowering it in position. (up to 10 ton)	MT	70780.39
27044	0	Load testing of foundation piles including loading with necessary kentledge or any other suitable method as directed.	MT	32256.00
27045A	0	Providing and casting in situ controlled cement concrete M-200 for R.C.C. pile cap including necessary formwork, vibrating, curing and finishing complete.	cu.m	4459.35
27046A	0	Providing and placing in position mild steel bar reinforcement for pile cap including cutting, bending hooking and tying complete as per detailed drawing.	MT	54112.12
27047A	0	Providing and placing in position High yield strength deformed bars for pile cap including cutting, bending hooking, and tying complete as per detailed drawing.	MT	54112.12
27048A	0	Providing uncoursed rubble stone masonry in Cement Mortar 1:5 for flooring including curing pointing in Cement Mortar 1:3 on exposed faces complete.	cu.m	1713.37
27049AA	0	Providing coursed rubble stone masonry in Cement Mortar 1:3 or sub-structure including curing and necessary scaffolding complete (Without cement pointing) (A) Height from 0.0 M. to 5.0 M.	cu.m	1880.55
27049BA	0	Providing coursed rubble stone masonry in Cement Mortar 1:3 or sub-structure including curing and necessary scaffolding complete (Without cement pointing) (B) Height from 5.0 M. to 10.0 M.	cu.m	2130.62
27049CA	0	Providing coursed rubble stone masonry in Cement Mortar 1:3 or sub-structure including curing and necessary scaffolding complete (Without cement pointing) (C) Height from 10.0 M. to 15.0 M.	cu.m	2130.62
27050	0	Extra for providing Khanki facing over coursed rubble stone masonry for sub structure including raking out joints, Cement pointing in Cement Mortar 1:1 and curing complete.	cu.m	265.65

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
27050A	0	Providing & laying weep hole in Abutments, and returns by using A.C. pipe of 100mm including laying in proper grede and jointing the completed as per detailed specification.	Each	54.50
27051	0	Providing cement pointing in Cement Mortar 1:3 to masonry work including raking out joints, scaffolding and curing etc. complete.	Sqm	55.44
27052AA	0	Providing & casting in situ ordinary cement concrete M-100 mix and providing necessary pin headers including shuttering, scaffolding, laying, vibrating, curing and finishing complete with V-Groves.(A) Height from 0.0 M. to 5.0 M.	cu.m	3013.50
27052BA	0	Providing & casting in situ ordinary cement concrete M-100 mix and providing necessary pin headers including shuttering, scaffolding, laying, vibrating, curing and finishing complete with V-Groves.(B) Height from 5.0 M. to 10.0 M.	cu.m	3371.55
27052CA	0	Providing & casting in situ ordinary cement concrete M-100 mix and providing necessary pin headers including shuttering, scaffolding, laying, vibrating, curing and finishing complete with V-Groves.(C) Height from 10.0 M. to 15.0 M.	cu.m	3371.55
27053AA	0	Providing & casting in situ ordinary cement concrete M-100 mix and providing necessary pin headers including shuttering, scaffolding, laying, vibrating, curing and finishing complete without V-Groves.(A) Height from 0.0 M. to 5.0 M.	cu.m	2929.50
27053BA	0	Providing & casting in situ ordinary cement concrete M-100 mix and providing necessary pin headers including shuttering, scaffolding, laying, vibrating, curing and finishing complete without V-Groves.(B) Height from 5.0 M. to 10.0 M.	cu.m	3354.75
27053CA	0	Providing & casting in situ ordinary cement concrete M-100 mix and providing necessary pin headers including shuttering, scaffolding, laying, vibrating, curing and finishing complete without V-Groves.(C) Height from 10.0 M. to 15.0 M.	cu.m	3354.75
27054A	0	Providing and fixing in position Mild steel for temperature reinforcement for Mass concrete pier including cutting, bending and tying as required complete.	MT	54112.12
27055A	0	Providing and fixing in position Mild steel for temperature reinforcement for Mass concrete pier/Abutment/Returns including cutting, bending and tying as required complete.(A) Piers(B) Abutments(C) Returns	MT	54112.12

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
27056	0	Providing and fixing in position Mild steel dowel bars in pier caps or abutment caps for anchorage in fixed end as per detailed drawings including cutting, bending and welding complete.	Each	254.10
27057	0	Providing and fixing in position Mild steel dowel bars in pier caps or abutments caps for anchorage in free end as per detailed drawing including cutting, bending and welding complete.	Each	369.60
27058A	0	Providing and fixing cast steel roller rocker bearings as per detailed drawings.	Tonne Capacity	226.80
27059A	0	Providing and fixing Mild steel roller rocker bearings as per detailed drawings.	Tonne Capacity	353.85
27060A	0	Providing and fixing cast steel rocker bearings as per drawings.	Tonne Capacity	110.25
27061A	0	Providing and fixing Mild steel rocker bearings as per drawings.	Tonne Capacity	108.15
27062A	0	Providing and fixing M.S. sliding plate bearings as per drawings.	Tonne Capacity	59.33
27063A	0	Providing and fixing M.S. fixed plate bearings as per drawings.	Tonne Capacity	93.24
27064AA	0	Providing and casting in situ controlled cement concrete M-200 for R.C.C. return as per drawings including centering shuttering, scaffolding where necessary, laying vibrating, curing and finishing complete.(A) Height from 0.0 to 5.0 M. (1) Piers (2) Abutment (3) RCC return	cu.m	4529.70
27064BA	0	Providing and casting in situ controlled cement concrete M-200 for R.C.C. return as per drawings including centering shuttering, scaffolding where necessary, laying vibrating, curing and finishing complete.(B) Height from 5.0 to 10.0 M. (1) Piers (2) Abutment (3) RCC return	cu.m	4816.35
27064CA	0	Providing and casting in situ controlled cement concrete M-200 for R.C.C. return as per drawings including centering shuttering, scaffolding where necessary, laying vibrating, curing and finishing complete.(C) Height from 10.0 to 15.0 M. (1) Piers (2) Abutment (3) RCC return	cu.m	4423.65
27065AA	0	Providing an casting in situ ordinary cement concrete M-150 mix for R.C.C. works in pier cap abutment cap and dirt wall including controlled cement concrete M-200 Bed block or pedestals of required size below bearings as per detailed drawings centering, shutting, scaffolding, wherever necessary, laying vibrating curing and finishing complete.	cu.m	3807.30

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
27065BA	0	Providing and casting in situ controlled cement concrete M-150 mix for R.C.C. works in pier cap, abutment cap and dirt wall including controlled cement concrete M-200 bed blocks or pedestals of required size below bearings as per detailed drawings, centering shuttering, scaffolding, wherever necessary, laying vibrating, curing and finishing complete.	cu.m	4187.40
27066AA	0	Providing and casting in situ ordinary cement concrete M-200 for R.C.C. works in pier cap abutment cap and dirt wall including controlled cement concrete M-250 Bed block or pedestal or required size below bearings as per detailed drawings, centering, shuttering, scaffolding, wherever necessary, laying vibrating curing and finishing complete.	cu.m	4174.80
27066BA	0	Providing and casting in situ controlled cement concrete M-200 for R.C.C. work in pier cap, abutment cap and dirt wall including controlled cement concrete M-250 bed blocks or pedestals of required size below bearings as per detailed drawings, centering, shuttering, scaffolding, wherever necessary, laying vibrating, curing and finishing complete.	cu.m	3678.15
27067A	0	Providing and casting in situ ordinary cement concrete M-150 for coping, over riding returns including formwork curing and finishing complete.	cu.m	3467.10
27068A	0	Providing and laying in position mild steel bar reinforcement including cutting, bending, hooking and tying and complete as per detailed drawings for the following.(A) Piers (B) Abutments (C) R.C.C. Returns	MT	54112.12
27069A	0	Providing and laying in position high yield strength deformed bar reinforcement including cutting, bending, hooking and tying complete as per detailed drawings for the following.(A) Piers (B) Abutments (C) R.C.C. Returns	MT	54659.17
27070A	0	Providing and laying in position Mild steel bar reinforcement including cutting, bending, hooking and tying complete as per detailed for the following.(A) Abutment cap & Dirt wall. (B) Pier Cap.	MT	54112.12
27071A	0	Providing and laying in position High yield strength deformed bar reinforcement including cutting, bending, hooking and tying complete as per detailed for the following. (A) Abutment cap & Dirt wall. (B) Pier Cap.	MT	54659.17

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
27072	0	Providing and fixing in position fully moulded restrained elastometric Bearings as per detailed drawings.	cu.m	1.06
27073AA	0	Providing and casting in situ ordinary cement concrete M-150 for R.C.C. solid slab including centering, scaffolding, curing and finishing complete.	cu.m	3781.05
27073BA	0	Providing and casting in situ controlled cement concrete M-150 for R.C.C. solid slab including centering, scaffolding, curing and finishing complete.	cu.m	3739.05
27074AA	0	Providing and casting in situ ordinary Cement concrete M-200 for R.C.C. solid slab including centering, scaffolding curing and finishing complete.	cu.m	4153.80
27074BA	0	Providing and casting in situ controlled cement concrete M-200 for R.C.C. solid slab including centering, scaffolding, curing and finishing complete.	cu.m	4729.20
27075A	0	Providing and casting in situ controlled cement concrete M-150 for R.C.C. solid slab including centering, scaffolding curing and finishing complete.	cu.m	4776.30
27076A1A	0	Providing and casting in situ controlled cement concrete M-200 for R.C.C. work in superstructure including centering, ramming vibrating curing and finishing complete.(A) T-Beam and Deck slab type of superstructure (I) Deck slab	cu.m	5089.35
27076A2A	0	Providing and casting in situ controlled cement concrete M-200 for R.C.C. work in superstructure including centering, ramming vibrating curing and finishing complete.(A) T-Beam and Deck slab type of superstructure (II) Main and cross Girder	cu.m	5089.35
27076B1A	0	Providing and casting in situ controlled cement concrete M-200 for R.C.C. work in superstructure including centering, ramming vibrating curing and finishing complete.(B) Balanced cantilever box type superstructure. (I) Deck slab	cu.m	5089.35
27076B2A	0	Providing and casting in situ controlled cement concrete M-200 for R.C.C. work in superstructure including centering, ramming vibrating curing and finishing complete.(B) Balanced cantilever box type superstructure. (II) Webs,Bottom slabs and Diaphragms	cu.m	5112.45

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
27077A1A	0	Providing and casting in situ controlled cement concrete M-250 for R.C.C. work in superstructure including centering, shuttering scaffolding, ramming, vibrating curing and finishing complete.(A) T-Beam and Deck slab type of superstructure (I) Deck slab	cu.m	4316.55
27077A2A	0	Providing and casting in situ controlled cement concrete M-250 for R.C.C. work in superstructure including centering, shuttering scaffolding, ramming, vibrating curing and finishing complete.(A) T-Beam and Deck slab type of superstructure (II) Main and cross Girder	cu.m	4316.55
27077B1A	0	Providing and casting in situ controlled cement concrete M-250 for R.C.C. work in superstructure including centering, shuttering scaffolding, ramming, vibrating curing and finishing complete.(B) Balanced cantilever box type supersturcture. (I) Deck slab	cu.m	4303.95
27077B2A	0	Providing and casting in situ controlled cement concrete M-250 for R.C.C. work in superstructure including centering, shuttering scaffolding, ramming, vibrating curing and finishing complete.(B) Balanced cantilever box type supersturcture. (II) Webs,Bottom slabs and Diaphragms	cu.m	4865.70
27078AA	0	Providing and placing in position Mild steel bar reinforcement including cutting bending hooking and tying complete as per detailed drawing for (A) Solid Slab.	MT	54112.12
27078BA	0	Providing and placing in position Mild steel bar reinforcement including cutting bending hooking and tying complete as per detailed drawing for (B) T-Beam and Deck slab type of superstructure (I) Deck slab (II) Main and cross Girder	MT	54931.56
27078CA	0	Providing and placing in position Mild steel bar reinforcement including cutting bending hooking and tying complete as per detailed drawing for (C) Balanced cantilever box type supersturcture. (I) Deck slab (II) Webs,Bottom slabs and Diaphragms	MT	55771.01
27079AA	0	Providing and placing in position Hign yield strength deformed bar reinforcement including cutting, bending, hooking, and tying complete as per detailed drawing.(A) Solid Slab.	MT	56430.10

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
27079BA	0	Providing and placing in position High yield strength deformed bar reinforcement including cutting, bending, hooking, and tying complete as per detailed drawing.(B) T-Beam and Deck slab type of superstructure (I) Deck slab (II) Main and cross Girder	MT	57259.55
27079CA	0	Providing and placing in position High yield strength deformed bar reinforcement including cutting, bending, hooking, and tying complete as per detailed drawing.(C) Balanced cantilever box type superstructure.(I) Deck slab (II) Webs,Bottom slabs and Diaphragms	MT	58088.99
27080A	0	Providing and casting in situ or precast controlled Cement Concrete M-350 for prestressed concrete work in Super structure including centering, shuttering, curing, scaffolding, ramming, vibrating, finishing, launching or shifting complete.(I) Solid Slab. (II) Deck Slab. (III) Main Girders.(IV) Diaphragm or cross girder.	cu.m	7075.04
27081A	0	Providing and casting in situ or precast controlled Cement Concrete M-400 for prestressed concrete work in Super structure including centering, shuttering, curing, scaffolding, ramming, vibrating, finishing, launching or shifting complete.(I) Solid Slab.(II) Deck Slab.(III) Main Girders.(IV) Diaphragm or cross girder.	cu.m	6775.65
27082A	0	Providing and casting in situ or precast controlled Cement Concrete M-450 for prestressed concrete work in Super structure including centering, shuttering, curing, scaffolding, ramming, vibrating, finishing, launching or shifting complete.(I) Solid Slab.(II) Deck Slab.(III) Main Girders.(IV) Diaphragm or cross girder.	cu.m	6934.20
27083A	0	Providing and casting in situ or precast controlled Cement Concrete M-500 for prestressed concrete work in Super structure including centering, shuttering, curing, scaffolding, ramming, vibrating, finishing, launching or shifting complete.(I) Solid Slab.(II) Deck Slab.(III) Main Girders.(IV) Diaphragm or cross girder.	cu.m	7297.50

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
27084A	0	Providing and fixing in position to exact profile high tensile steel wires of required ultimate strength including bending, cutting, tying providing necessary standard and anchorages, sheathing, stressing, grouting, ducts as per detailed drawing including necessary plant and machinery complete.	MT	84566.12
27085AA	0	Providing and placing in position Mild steel bar reinforcement including cutting, bending hooking and tying complete as per detailed drawings.(I) Solid Slab. (II) Deck Slab.	MT	54112.12
27085BA	0	Providing and placing in position Mild steel bar reinforcement including cutting, bending hooking and tying complete as per detailed drawings.(III) Main Girders. (IV) Diaphragm or cross girder.	MT	54941.56
27086AA	0	Providing and placing in position H.Y.S.D. Bar reinforcement including, cutting, bending hooking and tying complete as per detailed drawings.(I) Solid Slab.(II) Deck Slab.	MT	56430.10
27086BA	0	Providing and placing in position H.Y.S.D. Bar reinforcement including, cutting, bending hooking and tying complete as per detailed drawings.(III) Main Girders.(IV) Diaphragm or cross girder.	MT	57259.55
27087	0	Providing Pre-moulded asphalt filler joints as per drawings.(A) 12mm	Sqm	761.25
27088	0	Providing and fixing metal expansion joints as per drawings. Details of expansion joint 50 x 50 x 6mm size two IS and 100 x 6mm MS plate with 6 x 20 x 25mm long hold fast @ 50 cm / cc on both sides of expansion joints.	Rmt	1598.10
27089	0	Carrying out load test of super structure as directed including all necessary materials plant equipment, instruments, labour and arrangements for test directed.	MT	163.80
27090AA	0	Providing and casting in situ ordinary cement concrete M-150 for average 75 mm thick wearing coat laid as directed including tamping ,vibrating, finishing, curing and filling in joints with bitumen complete.	cu.m	3430.35
27090BA	0	Providing and casting in situ controlled cement concrete M-150 for average 75 mm thick Wearing coat laid as directed including tamping ,vibrating, finishing, curing and filling in joints with bitumen complete.	cu.m	3155.25

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
27091AA	0	Providing and casting in situ ordinary cement concrete M-200 for average 75 mm thick wearing coat laid as directed including tamping ,vibrating, finishing, curing and filling in joints with bitumen complete.	cu.m	3127.95
27091BA	0	Providing and casting in situ controlled cement concrete M-200 for average 75 mm thick wearing coat laid as directed including tamping, vibrating, finishing, curing and filling in joints with bitumen complete	cu.m	3867.15
27092AA	0	Providing and casting in situ ordinary cement concrete M-150 for Kerbs / kerb blocks including formwork, curing and finishing complete.	cu.m	2840.25
27092BA	0	Providing and casting in situ controlled cement concrete M-150 for Kerb/kerb blocks including formwork curing and finishing, complete.	cu.m	3163.65
27093AA	0	Providing and casting in situ ordinary cement concrete M-200 for Kerbs/Kerb blocks including formwork, curing and finishing complete.	cu.m	3127.95
27093BA	0	Providing and casting in situ controlled cement concrete M-200 for Kerb/ kerb blocks including formwork curing and finishing, complete	cu.m	3554.25
27094A	0	Providing and laying precast R.C.C footpath slab in controlled cement concrete of M-200 grade (7.0Cm. thickness including necessary reinforcement and providing and setting cement chequered tiles in C.M. 1:5 as per drawing including necessary formwork, curing and finishing complete.	cu.m	725.55
27095A1A	0	Providing parapet of ordinary cement concrete M-150 as per detailed drawings with necessary reinforcement including, shuttering, laying vibrating and finishing to line and level complete. (i) Precast.	Sqm	646.80
27095A2A	0	Providing parapet of ordinary cement concrete M-150 as per detailed drawings with necessary reinforcement including, shuttering, laying vibrating and finishing to line and level complete. (ii) Cast in situ.	Rmt	646.80
27095B1A	0	Providing parapet of controlled cement concrete M-150 as per detailed drawings with necessary reinforcement including, shuttering, laying vibrating and finishing to line and level complete. (i) Precast.	Rmt	768.60

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
27095B2A	0	Providing parapet of controlled cement concrete M-150 as per detailed drawings with necessary reinforcement including, shuttering, laying vibrating and finishing to line and level complete. (ii) Cast in situ.	Rmt	1056.34
27096A1A	0	Providing parapet of ordinary cement concrete M-200 as per detailed drawings with necessary reinforcement including, shuttering, laying vibrating and finishing to line and level complete.(i) Precast.	Rmt	701.40
27096A2A	0	Providing parapet of ordinary cement concrete M-200 as per detailed drawings with necessary reinforcement including, shuttering, laying vibrating and finishing to line and level complete.(ii) Cast in situ.	Rmt	701.40
27096B1A	0	Providing parapet of ordinary cement concrete M-200 as per detailed drawings with necessary reinforcement including, shuttering, laying vibrating and finishing to line and level complete.(i) Precast.	Rmt	775.95
27096B2A	0	Providing parapet of ordinary cement concrete M-200 as per detailed drawings with necessary reinforcement including, shuttering, laying vibrating and finishing to line and level complete.(ii) Cast in situ.	Rmt	775.95
27097A	0	Providing and fixing post and pipe railing as per detailed drawing including 3 coats of painting to steel works complete.	Rmt	1350.87
27098A	0	Providing G.I. 100mm diameter water spouts including necessary iron gratings as per drawings.	Each	526.05
27099A	0	Providing C.I. 100mm diameter water spouts including necessary iron gratings as per drawings.	Each	895.65
27100A	0	Providing P.V.C. 100 mm diameter water spouts including necessary iron gratings as per drawings.	Each	156.45
27101A	0	Providing and fixing marble slab including engraving and painting complete. (i) Size 75cm x 60cm x 4cm.	Each	846.30
27101B	0	Providing and fixing marble slab including engraving and painting complete. (ii) Size 60cm x 60cm x 4cm.	Each	701.40
27101C	0	Providing and fixing marble slab including engraving and painting complete. (iii) Size 60cm x 45cm x 4cm.	Each	556.50
27102AA	0	Providing and casting in situ ordinary cement concrete concrete M-150 for approach slab including formwork curing and finishing complete.	cu.m	3416.70

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
27102BA	0	Providing and casting in situ controlled cement concrete concrete M-150 for approach slab cluding formwork curing and finishing complete.	cu.m	3419.85
27103AA	0	Providing and casting in situ ordinary cement concrete concrete M-200 for approach slab including formwork curing and finishing complete.	cu.m	3766.35
27103BA	0	Providing and casting in situ controlled cement concrete concrete M-200 for approach slab including formwork curing and finishing complete.	cu.m	3740.10
27104A	0	Providing and fixing in position Mild steel bar reinforcement including cutting, bending and tying complete as per detailed drawings.(A) R.C.C. Kerb. (B) R.C.C. Footpath.(C) R.C.C. Approch slab.(D) Wearing Coat.	MT	54112.12
27105A	0	Providing and fixing in position H.Y.S.D. bar reinforcement including cutting, bending and tying complete as per detailed drawings. (A) R.C.C. Kerb. (B) R.C.C. Footpath.(C) R.C.C. Approch slab.(D) Wearing Coat.	MT	56430.10
27106		Providing and placing in position FE 415 TMT bar reinforcement for following items including cutting bending hooking and tying complete as per detailed drawing.For well :- curb, staining, cap and RCC Raft.	MT	61602.49
27107		Providing and placing in position FE 500D bar reinforcement for following items including cutting bending hooking and tying complete as per detailed drawing.For well :- curb, staining, cap and RCC Raft.	MT	70927.58
27108		Providing and laying in position FE 415 TMT bar reinforcement including cutting, bending, hooking and tying complete as per detailed drawings for the following.(A) Piers (B) Abutments (C) R.C.C. Returns	MT	61602.49
27109		Providing and laying in position FE 500D TMT bar reinforcement including cutting, bending, hooking and tying complete as per detailed drawings for the following.(A) Piers (B) Abutments (C) R.C.C. Returns	MT	70927.58
27110		Providing and laying in position FE 415 TMT bar reinforcement including cutting, bending, hooking and tying complete as per detailed for the following. (A) Abutment cap & Dirt wall. (B) Pier Cap.	MT	61602.49

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
27111		Providing and laying in position FE 500D TMT bar reinforcement including cutting, bending, hooking and tying complete as per detailed for the following. (A) Abutment cap & Dirt wall. (B) Pier Cap.	MT	70927.58
27112		Providing and placing in position FE 415 TMT bar reinforcement including cutting, bending, hooking, and tying complete as per detailed drawing.(A) Solid Slab.	MT	61055.44
27113		Providing and placing in position FE 500D TMT bar reinforcement including cutting, bending, hooking, and tying complete as per detailed drawing.(A) Solid Slab.	MT	70380.53
27114		Providing and placing in position FE 415 TMT bar reinforcement including cutting, bending, hooking, and tying complete as per detailed drawing.(B) T-Beam and Deck slab type of superstructure (I) Deck slab (II) Main and cross Girder	MT	61884.88
27115		Providing and placing in position FE 500D TMT bar reinforcement including cutting, bending, hooking, and tying complete as per detailed drawing.(B) T-Beam and Deck slab type of superstructure (I) Deck slab (II) Main and cross Girder	MT	71209.97
27116		Providing and placing in position FE 415 TMT bar reinforcement including cutting, bending, hooking, and tying complete as per detailed drawing.(C) Balanced cantilever box type superstructure.(I) Deck slab (II) Webs,Bottom slabs and Diaphragms	MT	62714.32
27117		Providing and placing in position FE 500D TMT bar reinforcement including cutting, bending, hooking, and tying complete as per detailed drawing.(C) Balanced cantilever box type superstructure.(I) Deck slab (II) Webs,Bottom slabs and Diaphragms	MT	72039.41
27118		Providing and placing in position FE 415 TMT Bar reinforcement including, cutting, bending hooking and tying complete as per detailed drawings.(I) Solid Slab.(II) Deck Slab.	MT	61055.44
27119		Providing and placing in position FE 500D TMT. Bar reinforcement including, cutting, bending hooking and tying complete as per detailed drawings.(I) Solid Slab.(II) Deck Slab.	MT	70380.53

Item Code	Item No.as per NBO	Description	Unit	App. Rate 2021-22 (Rs.)
27120		Providing and placing in position FE 415 TMT Bar reinforcement including, cutting, bending hooking and tying complete as per detailed drawings.(III) Main Girders.(IV) Diaphragm or cross girder.	MT	61884.88
27121		Providing and placing in position FE 500D TMT Bar reinforcement including, cutting, bending hooking and tying complete as per detailed drawings.(III) Main Girders.(IV) Diaphragm or cross girder.	MT	46630.50
27122		Providing and fixing in position FE 415 TMT bar reinforcement including cutting, bending and tying complete as per detailed drawings. (A) R.C.C. Kerb. (B) R.C.C. Footpath.(C) R.C.C. Approach slab.(D) Wearing Coat.	MT	61055.44
27123		Providing and fixing in position FE 500D TMT bar reinforcement including cutting, bending and tying complete as per detailed drawings. (A) R.C.C. Kerb. (B) R.C.C. Footpath.(C) R.C.C. Approach slab.(D) Wearing Coat.	MT	70380.53