



Summary of Unit Rates for road in Chandrapur municipality. 080/081

S.N.	Norms No	Specification Clause No.	Description	Unit	Contractor Rate (NRs.)	user's comitee rate
1	2.01.a	201	Clearing and grubbing of forest including uprooting, carrying and disposing of vegetation, grass, bush, spaling and trees of girth upto 300 mm (measured at a height of 1m above the ground level) for trees and spaling less than 15 numbers	m2	26.61	
2	2.01.b	201	Clearing and grubbing of forest including uprooting, carrying and disposing of vegetation, grass, bush, spaling and trees of girth upto 300 mm (measured at a height of 1m above the ground level) for trees and spaling more than 15 numbers	m2	35.48	
1	2.3	201	Clearing grass/ top soil and removal up to a distance of 50 meters outside the periphery of the area , including cutting and filling of small undulation.	m2	8.61	7.48
4	2.03	201	Feeling and uprooting of bamboo, clearing the area, stacking of bamboo, and disposing of wastes all complete [201]	m3	2,484.13	2160.11
5	2.04.a	201	Feeling trees (the girth measured at a height of 1m above the ground level) including cutting of trunks and branches, removing the roots, stacking serviceable materials and back filling the depression/pits for girth above 300 mm to 600 mm.	no	816.21	709.74
6	2.04.b	201	Feeling trees (the girth measured at a height of 1m above the ground level) including cutting of trunks and branches, removing the roots, stacking serviceable materials and back filling the depression/pits for girth above 600 mm to 900 mm.	no	3,105.16	2700.13
7	2.04.c	201	Feeling trees (the girth measured at a height of 1m above the ground level) including cutting of trunks and branches, removing the roots, stacking serviceable materials and back filling the depression/pits for girth above 900 mm to 1800 mm.	No	8,650.10	7521.82
8	2.04.d	201	Feeling trees (the girth measured at a height of 1m above the ground level) including cutting of trunks and branches, removing the roots, stacking serviceable materials to 10m distance and back filling the depression/pits above 1800 mm to	No	14,195.05	12343.52
9	2.04.e	201	Feeling trees (the girth measured at a height of 1m above the ground level) including cutting of trunks and branches, removing the roots, stacking serviceable materials to 10m distance and back filling the depression/pits above 2400 mm to	No	35,487.62	30858.80
10	2.04.f	201	Feeling trees (the girth measured at a height of 1m above the ground level) including cutting of trunks and branches, removing the roots, stacking serviceable materials to 10m distance and back filling the depression/pits above 3000 mm. [201]	No	69,830.76	60722.40
2	2.05	201,909	Dressing and levelling of the construction surface including cutting and filling of small undulation. [201,909]	m2	8.87	7.71
3	2.06	201,1003	Excavation of top soil (sub grade) and carrying away from construction site all complete. [201,1003]	m2	141.94	123.42
13	2.07	201,2800	Spreading, shaping and light compacting of top soil on slopes all complete. [201,2800]	m2	44.36	38.57
14	2.08.01	202	Dismantling Bridge, culvert and other structures including stockpiling the reusable materials and safe disposal of usable materials for plain cement concrete, 1:4:8 or	m3	1,305.43	1135.15
4	2.08.02	202	Dismantling Bridge, culvert and other structures including stockpiling the reusable materials and safe disposal of usable materials for Plain cement concrete, 1:3:6 or	m3	2,103.90	1829.47
5	2.08.03	202	Dismantling Bridge, culvert and other structures including stockpiling the reusable materials and safe disposal of usable materials for Reinforced cement concrete work	m3	659.05	573.08
6	2.08.05	202	Dismantling Bridge, culvert and other structures including stockpiling the reusable materials and safe disposal of usable materials for Random rubble masonry in	m3	2,122.91	1846.00
18	2.15.a	202	Excavation of metallad road and removal of all materials including soling and screening, sorting out reusable materials and disposing unusable materials upto 20m lead	m3	802.26	697.61
19	2.15.b	202	Excavation of metallad road and removal of all materials including soling and screening, sorting out reusable materials and disposing unusable materials upto 20m lead	m3	2,159.67	1877.97
7	2.17.i	202	Dismantling of RCC pipes (excluding excavation and refilling). i) upto 600 mm dia. [202]	m	553.73	481.50
8	2.17.ii	202	Dismantling of RCC pipes (excluding excavation and refilling). ii) above 600 mm dia. [202]	m	812.13	706.20
9	2.18	202	Dismantling gabion works including stockpiling the reusable materials and disposal of reusable materials within 50m lead. [202]	m3	919.79	799.81
23	7.01.a	701	Providing, jointing and laying HDP pipes (110 mm/125mm outer diameter) with or without collar etc. complete in place as per specification. [701]	m	520.91	452.96
2	7.2C	701	Providing and Laying Reinforced cement concrete NP3Flush jointed pipe for culverts including fixing with cement moriar 1:2 as per Drawing and Technical Specifications. Unit = meter (For 12.5 m. 5 pipes of 2.5 m length each)	m	10,032.83	8724.20
25	7.02.ii	701	Proving and laying RCC pipes of diameter 750 mm (internal) with or without collars jointed with stiff mixture of cement mortar in the proportion of 1 : 2 (1 cement : 2 fine sand) lead upto 100m. [701]	m	13,316.64	11579.68

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Contract usey

3	7.2D	701	Providing and Laying Reinforced cement concrete NP3Flush jointed pipe for culverts including fixing with cement mortar 1:2 as per Drawing and Technical Specifications. Unit = meter (For 12.5 m. 5 pipes of 2.5 m length each)	m	16,851.30	14653.30
27	9.01.a	905	Road way excavation in soft soil including disposal all complete. [905]	m3	665.39	578.60
4	9.01.i B	905	Roadway Excavation in all types of soil as per drawing and technical specification, including removal of stumps and other deleterious matter, with all lifts and lead as per Drawing and	m3	53.99	46.94
29	9.01.b	905	Road way excavation in Hard soil / Gravel / Boulder mixed soil including disposal upto 10 m and lift upto 1.5 m etc. all complete as per specification. [Manual] [905]	m3	887.19	771.46
5	9.01.b	905	Road way excavation in Hard soil / Gravel / Boulder mixed soil including disposal upto 10 m and lift upto 1.5 m etc. all complete as per specification. [Manual(20%),	m3	191.88	166.85
31	9.01.c	905	Road way excavation in Soft rock including disposal upto 10 m and lift upto 1.5 m etc. all complete as per specification. [Manual] [905]	m3	2,439.77	2121.53
32	9.01.c	905	Road way excavation in Soft rock including disposal upto 10 m and lift upto 1.5 m etc. all complete as per specification. [Manual(20%), Machine(80%)] [905]	m3	419.15	364.47
33	9.01.c	905	Road way excavation in Hard rock including disposal upto 10 m and lift upto 1.5 m etc. all complete as per specification. [Manual] [905]	m3	10,646.29	9257.64
34	9.01.c	905	Road way excavation in Hard rock including disposal upto 10 m and lift upto 1.5 m etc. all complete as per specification. [Manual(20%), Machine(80%)] [905]	m3	1,664.94	1447.77
34 a		905	E/W Excavation for River bed gravel boulder mix soil in transportation of Damp truck in haulage distance of 0 to 2 k.m. distance.	m3	398.23	346.28
35	9.02.a	905	Earthwork excavation in soft soil for drain and trenches including shoring, strutting, bracing, sheeting and disposal upto 10 m and lift upto 1.5 m etc. all complete as per	m3	798.47	694.32
5	9.02.a	905	Earthwork excavation in soft soil for drain and trenches including shoring, strutting, bracing, sheeting and disposal all complete. [905]	m3	171.99	149.55
13	9.02.b	905	Earthwork excavation in: Hard soil/Gravels/Boulder mixed soil for drain and trenches including shoring, strutting, bracing, sheeting and disposal all complete.	m3	1,330.78	1157.20
6	9.02.b	905	Earthwork excavation in Hard soil/Gravels/Boulder mixed soil for drain and trenches including shoring, strutting, bracing, sheeting and disposal all complete.	m3	251.83	218.98
38	9.02.c	905	Earthwork excavation in soft rock for drain and trenches including shoring, strutting, bracing, sheeting and disposal upto 10 m and lift upto 1.5 m etc. all complete as per specification [905]	m3	2,661.57	2314.40
5	9.05.b	909	Providing, laying, spreading and compacting embankment with borrow material as per Drawing and Technical Specifications.	m3	179.90	156.43
6	9.4Bi	907	Providing, laying, spreading and compacting embankment with roadway cutting material and compact to the required density as per Drawing and Technical	m3	138.77	120.66
7	9.4Bi	907	Earth work in excavation of foundation of structures, including construction of shoring and bracing, removal of stumps and other deleterious matter and backfilling with approved Material as per Drawing and Technical Specifications. Ordinary soil	m3	85.03	73.93
18	9.07.01.b	907	Excavation for foundation through all types of soil including relevant lift and disposal upto 20m.	m3	2,661.57	2314.40
19	9.07.01.c	907	Excavation for foundation through all types of soil including relevant lift and disposal upto 20m.	m3	3,548.76	3085.87
20	9.07.01.d	907	Excavation for foundation through all types of soil including relevant lift and disposal upto 20m.	m3	4,214.15	3664.47
45	9.07.1.a	907	Underwater Excavation for foundation through all types of soil including relevant lift and disposal upto 20m and dewatering. (a) Depth upto 1.5 m. [907]	m3	2,129.25	1851.52
46	9.07.01.b	907	Underwater Excavation for foundation through all types of soil including relevant lift and disposal for depth 1.5 m upto 3 m. [907]	m3	419.04	364.38
47	9.07.01.c	907	Underwater Excavation for foundation through all types of soil including relevant lift and disposal upto 20m.	m3	6,742.65	5863.17
48	9.07.01.d	907	Underwater Excavation for foundation through all types of soil including relevant lift and disposal upto 20m.	m3	8,006.89	6962.51
49	9.07.01.e	907	Underwater Excavation for foundation through all types of soil including relevant lift and disposal upto 20m.	m3	10,408.94	9051.25
21	9.10.a	908	Backfilling in layers in foundation pits, trenches etc with approved filler material including compaction and watering etc complete for depth of foundation upto 1.5m.	m3	2,782.39	2419.46
22	9.10.a	908	Backfilling in layers in foundation pits, trenches with common excavated material etc including compaction and watering etc complete for depth of foundation upto	m3	1,011.39	879.46
8	9.11	908	Backfilling in layers in foundation pits, trenches with common excavated material etc including compaction and watering etc complete, lead 10 m a) Depth of foundation upto 1.5m	m3	1,015.74	883.25
24	9.10.c	908	Backfilling in layers in foundation pits, trenches etc including compaction and watering etc complete, lead 10 m c) Depth of foundation upto 3m upto 4.5 m. [908]	m3	1,863.09	1620.07
54	9.10.d	908	Backfilling in layers in foundation pits, trenches etc including compaction and watering etc complete, lead 10 m d) Depth of foundation 4.5 m upto 6m. [908]	m3	2,288.95	1990.39

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					Center	User's
55	9.11.a	908	Excavation and disposal of slides manually haulage distance upto 50m a)Soft soil	m3	532.31	462.87
56	9.11.b	908	Excavation and disposal of slides manually haulage distance upto 50m b) Hard soil [908]	m3	709.75	617.17
57	9.11.c	908	Excavation and disposal of slides manually haulage distance upto 50m c)Soft Rock [908]	m3	1,419.50	1234.34
9	10.4	1003	Compacting original ground supporting sub-gradeLoosening of the ground upto a level of 500 mm below the sub-grade level, watered, graded and compacted in layers as per Drawing and Technical Specifications.	m2	37.38	32.50
59	10.02	1003	Subgrade construction, preparation and formation of subgrade in rock cutting with regulating course of natural materials. [1003]	m3	663.57	577.01
26	10.03	1003	Subgrade construction with loose untreated materials; preparation and formation of subgrade in fill areas. [1003]	m3	663.57	577.01
27	10.05.a	1003	Preparation of sub-grade for rehabilitation or other similar works (filling or cutting depth of 10 to 20 cm) in common soil. [1003]	m2	133.08	115.72
62	10.05.b	1003	Preparation of sub-grade for rehabilitation or other similar works (filling or cutting depth of 10 to 20 cm) in gravel & boulder mixed soil. [1003]	m2	266.16	231.44
11	12.1a	1201	Providing, laying and spreading of loose natural sand gravel subbase grading as per table 12.1 of standard specification lead upto 10m. [Loose Gravel]. This Rate is provide for ward No. 1,2,3,4,5,6	m3	1,190.61	1035.31
11	12.02	1201	Providing, laying and spreading of loose natural sand gravel subbase grading as per table 12.1 of standard specification lead upto 10m. [Loose Gravel]. This Rate is provide for ward No. 7,8,9,10	m3	1,420.61	1235.31
65	12.02	1201	Providing, laying, spreading, watering, levelling and compaction of natural sand gravel subbase grading as per table 12.1 of standard specification lead upto 10m	m3	3,128.12	2720.10
10	12.02	1201	Providing and laying granular sub-base on prepared surface, mixing at OMC, and compacting to achieve the desired density, complete as per Drawing and Technical Specifications. This Rate is provide for ward No. 1,2,3,4,5,6	m3	1,796.84	1562.46
10	12.1a	1201	Providing and laying granular sub-base on prepared surface, mixing at OMC, and compacting to achieve the desired density, complete as per Drawing and Technical Specifications. This Rate is provide for ward No. 7,8,9,10	m3	2,091.24	1818.46
11	12.03	1202	Providing, laying, spreading, watering, levelling and compaction of crusher run materials for subbase course grading SB1* lead upto 10m.	m3	2,396.99	2084.33
67	12.04	1202	Providing, laying, spreading, watering, levelling and compaction of crusher run materials for subbase course grading SB1* lead upto 10m. (for manual works) [1202]	m3	3,456.27	3005.45
31	12.05	1202	Providing, laying, spreading, watering, levelling and compaction of crusher run materials for subbase course grading SB2*lead upto 10m. (for machine works) [1202]	m3	2,399.65	2086.65
69	12.06	1202	Providing, laying, spreading, watering, levelling and compaction of crusher run materials for subbase course grading SB2*lead upto 10m. (for manual works) [1202]	m3	3,461.79	3010.25
12	12.7a	1204	Providing, laying, spreading, watering, levelling and compaction of crusher run materials for base course lead upto 10m. (a) Machine works	m3	3,155.65	2744.04
71	12.08	1202	Providing, laying, spreading, watering, levelling and compaction of crusher run materials for base course lead upto 10m. (b) For manual works [1202]	m3	4,296.33	3735.93
13	12.09	1203	Providing, laying, spreading, watering, levelling and compaction of waterbound Macadam base course class D1* grading 1 or grading 2 lead upto 10m. [1203]	m3	3,010.19	2617.55
73	12.1	1203	Providing, laying, spreading, watering, levelling and compaction of Waterbound macadam subbase course class E1* lead upto 10 m (b) Manual works. [1203]	m3	4,161.42	3618.62
14	12.11	1203	Providing, laying, spreading, watering, levelling and compaction of waterbound Macadam base course class D1* grading 1 or grading 2 lead upto 10m. (a) Machine works [1203]	m3	2,958.62	2572.71
75	12.12	1203	Providing, laying, spreading, watering, levelling and compaction of waterbound Macadam base course class D1* grading 1 or grading 2 lead upto 10m. (B) Manual works [1203]	m3	4,081.47	3549.10
76	12.13	1205	Providing, laying, spreading, watering, levelling and compaction of natural sand gravel wearing course class -1 / class -2 lead upto 10m. For machine works [1205]	m3	2,397.37	2084.66
77	12.14	1205	Providing, laying, spreading, watering, levelling and compaction of natural sand gravel wearing course class -1/class -2 lead upto 10m for manual works. [1205]	m3	3,784.37	3290.75

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35	13.01	1301, 1302	Providing and spraying bituminous tack coat MC30/MC70 including cleaning the road surface using wire, brushes, broom etc. before applying tack coat. [1301, 1302]	Ltr	199.15	173.17
15	13.2b	1302	Providing and applying tack coat with hot Bitumen at specified rate on the prepared non-bituminous surfaces including cleaning as per Technical Speciation. using	Ltr	199.15	173.17
37	13.03	1301, 1302	Providing and spraying bituminous prime coat MC30/MC70 including cleaning the road surface using wire, brushes, broom etc. before applying prime coat. [1301,	Ltr	142.93	124.28
16	13.04	1302	Providing and applying prime coat with Hot Bitumen(including cutter) on prepared surface of granular base including cleaning of road surface and spraying at specified rate by manual means as per Technical Specification.	Ltr	250.83	218.11
39	13.05.01	1301, 1303	Laying of single / double / multiple bituminous coats for surface dressing using river gravels, shingles or broken stone chips including compaction I) Bituminous binder for surface dressing(mass work). [1301, 1303]	Ltr	227.33	197.67
40	13.05.02	1301, 1303	Laying of single / double / multiple bituminous coats for surface dressing using river gravels, shingles or broken stone chips including compaction I) Bituminous binder for surface dressing(Patch work). [1301, 1303]	Ltr	233.34	202.90
41	13.05.03	1301, 1303	Laying of single / double / multiple bituminous coats for surface dressing using river gravels, shingles or broken stone chips including compaction -- II) Cutter for	Ltr	203.39	176.86
42	13.05.04	1301, 1303	Laying of single / double / multiple bituminous coats for surface dressing using river gravels, shingles or broken stone chips including compaction -- III) Chipping for surface dressing for 1st coat size or second coat size. [1301, 1303]	Mt	4,498.56	3911.79
86	13.05.05	1301, 1303	Laying of single / double / multiple bituminous coats for surface dressing using river gravels, shingles or broken stone chips including compaction -- IV) Production of perforated chipping. [1301, 1303]	m3	7,253.03	6306.98
43	13.06.01	1301, 1304	Providing and laying semi-grouting with compaction 50mm thickness. [1301, 1304]	m2	1,077.38	936.85
44	13.06.02	1301, 1304	Providing and laying semi-grouting with compaction 75mm thickness. [1301, 1304]	m2	1,408.71	1224.96
89	13.06.03	1301, 1304	Providing and laying full grouting with compaction 50 mm thickness. [1301, 1304]	m2	1,323.19	1150.60
45	13.07	1301, 1305	Providing and laying sand seal. [1301, 1305]	m2	156.14	135.77
46	13.08.01	1301, 1306	Providing, mixing and laying slurry seal with fine slurry mix. [1301, 1306]	m2	223.54	194.38
92	13.08.02	1301, 1306	Providing, mixing and laying slurry seal with normal slurry mix. [1301, 1306]	m2	245.79	213.73
93	13.08.03	1301, 1306	Providing, mixing and laying slurry seal with coarse slurry mix. [1301, 1306]	m2	282.22	245.40
17	13.9a	1311	Providing and laying open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates as wearing course on a previously prepared base as per drawing and Technical Specifications	m3	17,192.39	14949.90
48	13.10	1307, 1308	Providing, mixing, and laying asphalt concrete with compaction. [1307, 1308]	m3	23,104.21	20090.61
49	15.01.a	1501	Supplying and erecting traffic sign in place including 50mm dia. Steel tube, 2mm. thick steel plate, cement concrete, painting, writing and supporting steel angle nut and bolt etc. complete a) 60cm. Dia. Circular, 60cm. equilateral traingle and	no	877.07	762.66
50	15.01.b	1501	Supplying and erecting traffic sign in place including 50mm dia. 2 steel tube, 2mm. thick steel plate, cement concrete, painting, writing and supporting steel angle nut and bolt etc. complete for size 1.2m.x 0.75m with back support. [1501]	no	3,019.69	2625.81
51	15.02.a	1502	Supplying and applying paint for Road marking including cleaning, watering, brooming etc. all complete (10cm. wide strip) a) Two coats over old painted surface. [1502]	m	7.99	6.94
52	15.02.b	1502	Supplying and applying paint for Road marking including cleaning, watering, brooming etc. all complete (10cm. wide strip) b) More than two coats over new bitumin surface [1502]	m	12.18	10.59
53	15.03.a	1503	Supplying and placing R.C.C. kilometer post including excavation, back filling, painting and writing etc. all complete as per specification a) Standard KM post placed at each kilometer. [1503]	no	4,515.18	3926.24
54	15.03.b	1503	Supplying and placing R.C.C. kilometer post including excavation, back filling, painting and writing etc. all complete as per specification b) Bigger kilometer post (placed at each 5 km.) [1503]	no	10,799.37	9390.75
55	15.04	1504	Supplying and fixing in place R.C.C. delineator and guard post including excavation, back filling, painting and erection etc. all complete as per drawing.	no	6,308.80	5485.91
18	18.01	1804, 1805	Providing, Preparing and installing form work including necessary supports and removing after completion for foundation and footings. [1804, 1805]	m2	882.97	767.80
58	18.02.1.a.ii	1804, 1805	Providing, Preparing and installing form work including necessary supports and removing after completion ---For Vertical plain surface [class F2 finish] height upto 3 m upto 6m. [1804, 1805]	m2	1,004.72	873.66


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59	18.02.1.a.iii	1804, 1805	Providing , Preparing and Installing form work including necessary supports and removing after completion ---For Vertical plain surface [class F2 finish] height upto 6 m upto 9m. [1804, 1805]	m2	1,258.96	1094.74
60	18.02.02.a.i	1804, 1805	Providing , Preparing and Installing form work including necessary supports and removing after completion for vertical curved surface[class F2 finish] of height	m2	1,141.32	992.45
61	18.02.02.a.i i	1804, 1805	Providing , Preparing and Installing form work including necessary supports and removing after completion ---For Vertical curved surface [class F2 finish] height 3.0	m2	1,361.45	1183.86
84	18.02.02.a.i ii	1804, 1805	Providing , Preparing and Installing form work including necessary supports and removing after completion ---For Vertical curved surface [class F2 finish] height 6.0	m2	1,725.36	1500.31
62	18.04.a	1804, 1805	Providing , Preparing and Installing form work including necessary supports and removing after completion for slab structure [class F2 finish] (Falsework not	m2	1,154.43	1003.85
63	18.05.a	1804, 1805	Providing , Preparing and Installing form work including necessary supports and removing after completion ---For slab and beam structure [class F2 finish] using timber planks. (Falsework not included) [1804, 1805]	m2	1,720.06	1495.70
64	18.08.1.a.ii	1803	Providing, and assembling in position falsework for the construction of RCC superstructure and removal after completion including necessary design and drawings as per specification for Slabs and Box culverts for height 2m ~ 4m. [1803]	m2	4,902.68	4263.20
20	18.08.2.a.ii	1804, 1805	Providing, and assembling in position falsework for the construction of RCC superstructure and removal after completion including necessary design and drawings as per specification.	m2	10,162.32	8836.80
21	19.01	1901	Providing and fixing in positions, 75 mm diameter drainage spouts with necessary hardware. [1901]	nos	737.50	641.30
22	19.02	1901	Providing and installing Expansion Joints and bearing pad made of tarfelt sheet including all necessary axilliary and incidental works etc. complete as per drawing	m2	187.85	163.34
23	19.02	1901	Providing and fixing in positions, reinforced elastomeric bearing pad per drawing and instructions. [1901]	nos	0.00	0.00
88	20.01.a.01	2000	Providing and placing machine mixed M10/40 cement concrete for the foundation and footing etc. including compaction, curing, testing and lead 30m. etc. all complete as per specification and drawing. [2000]	m3	12,040.30	10469.82
66	20.01.a.03	2000	Providing and placing machine mixed M20/40 cement concrete for the foundation and footing etc. including compaction, curing, testing and lead 30m. etc. all complete as per specification and drawing. [2000]	m3	13,757.74	11963.25
19	20.2.a	2000	Providing , Preparing and Installing form work including necessary supports and removing after completion for vertical plain surface [class F2 finish] of height upto 3 m. [2000]	m3	826.77	716.93
20	20.2.e	2000	Providing and placing machine mixed M15/40 cement concrete for the foundation and footing etc. including compaction, curing, testing etc. all complete as per specification and drawing. [2000] 1:3:6	m3	10,103.90	8786.00
21	20.2.c	2000	Providing and placing machine mixed M20/20 cement concrete for the foundation and footing etc. including compaction, curing, testing etc. all complete as per specification and drawing. [2000] 1:2:4	m3	11,594.30	10082.00
22	20.2.e	2000	Providing and placing machine mixed M25/20 cement concrete for the foundation and footing etc. including compaction, curing, testing and lead 30m. etc. all complete as per specification and drawing. [2000]	m3	12,592.50	10950.00
93	20.01.b.01	2000	Providing and placing manually mixed M10/40 cement concrete for the foundation and footing etc. including compaction, curing, testing and lead 30m. etc. all complete as per specification and drawing. [2000]	m3	12,451.72	10827.58
69	20.01.b.02	2000	Providing and placing manually mixed M15/40 cement concrete for the foundation and footing etc. including compaction, curing, testing and lead 30m. etc. all complete as per specification and drawing. [2000]	m3	13,095.31	11387.22
70	20.01.b.03	2000	Providing and placing manually mixed M20/40 cement concrete for the foundation and footing etc. including compaction, curing, testing and lead 30m. etc. all complete as per specification and drawing. [2000]	m3	14,304.71	12438.87
71	20.01.b.04	2000	Providing and placing manually mixed M20/20 cement concrete for the foundation and footing etc. including compaction, curing, testing and lead 30m. etc. all complete as per specification and drawing. [2000]	m3	14,521.60	12627.47
72	20.01.b.05	2000	Providing and placing manually mixed M25/20 cement concrete for the foundation and footing etc. including compaction, curing, testing and lead 30m. etc. all complete as per specification and drawing. [2000]	m3	15,435.14	13421.86
73	20.02.a.i	2000	Providing and placing machine mixed M15/40 cement concrete for abutment, pier, wall, etc. including compaction, curing, testing and lead 30m. etc. all complete as per specification and drawing. [2000]	m3	18,044.26	15690.66
74	20.02.a.iii	2000	Providing and placing machine mixed M20/40 cement concrete for abutment, pier, wall, etc. including compaction, curing, testing and lead 30m. etc. all complete as per specification and drawing. [2000]	m3	19,118.11	16624.44
75	20.02.a.iii	2000	Providing and placing machine mixed M20/20 cement concrete for abutment, pier, wall, etc. including compaction, curing, testing and lead 30m. etc. all complete as per specification and drawing. [2000]	m3	19,287.85	16772.04
76	20.02.a.iv	2000	Providing and placing machine mixed M25/20 cement concrete for abutment, pier, wall, etc. including compaction, curing, testing and lead 30m. etc. all complete as per specification and drawing. [2000]	m3	20,169.97	17539.10
77	20.03.a.ii	2000	Providing and placing machine mixed M20/20 cement concrete for the superstructure, deckslab, girder etc. including compaction, curing, testing and lead 30m. etc. all complete as per specification and drawing. [2000]	m3	16,513.07	14359.19

प्रकाश प्रसाद श्रेष्ठ
 इन्जिनियर

हरि लाल पुरी
 प्रमुख प्रशासकीय अधिकारी
 राजेन्द्र कुमार कार्की
 नगर प्रमुख

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78	20.03.a.ii	2000	Providing and placing machine mixed M25/20 cement concrete for superstructure, deckslab, girder, etc. including compaction, curing, testing and etc. all complete as	m3	17,605.18	15308.85
104	20.06.b.1	2000	Providing and placing manually mixed non structural cement concrete [cement (1): sand (4) : aggregate (8)] including compaction, curing, testing and lead 30m. etc. all complete as per specification and drawing. [2000]	m3	11,180.73	9722.37
105	20.06.b.02	2000	Providing and placing manually mixed non structural cement concrete [cement (1): sand (3) : aggregate (6)] including compaction, curing, testing and lead 30m. etc. all complete as per specification and drawing. [2000]	m3	12,076.43	10501.24
106	20.06.b.03	2000	Providing and placing manually mixed non structural cement concrete [cement (1): sand (2) : aggregate (4)] including compaction, curing, testing and lead 30m. etc. all complete as per specification and drawing. [2000]	m3	13,910.61	12096.18
23	20.5	2000	Providing and laying , fitting and placing HYSD bar reinforcement in sub-structure complete as per Drawing and Technical Specifications Unit= tonne (For 1 tonne)	mt	153,296.15	133301.00
24	20.3	2000	Providing and laying , fitting and placing un-coated Mild steel / HYSD reinforcement complete in foundation as per drawing and technical specification Unit = tonne (For 1 MT)	mt	159,767.20	138928.00
25	20.9	2000	Providing and laying , fitting and placing HYSD bar reinforcement in super-structure complete as per drawing and technical specifications	mt	155,880.20	135548.00
26	24.1ai,ii,iii	2401	Providing and laying gabion structure for retaining earth with diaphragm including rolling, cutting weaving , placing, laying sides and diaphragms with binding wire and filling boulders all complete as per Drawing and Technical Specification Mesh wire- 10 Swg(0.0615 kg/m), Seldedge Wire 8 Swg (0.1057 kg/m), binding wire 12 Swg (0.0409 kg/m) Hexagonal mesh Type 100 mm X 120 mm	m3	5,082.37	4419.45
27	24.04	2401	rolling, cutting weaving , placing, laying sides and diaphragms with binding wire and filling boulders all complete as per Drawing and Technical Specification Mesh wire- 10 Swg(0.0615 kg/m), Seldedge Wire 8 Swg (0.1057 kg/m), binding wire 12 Swg (0.0409 kg/m) Hexagonal mesh Type 100 mm X 120 mm. Box size 3 X 1 X .5 m (16 sqm) Unit = cum (For 3X1' .5X4nos =6 cum)	m3	5,810.20	5052.34
82	24.09	3110	Providing, laying, fixing in positions of Geo-textile (filter fabrics). [3110]	m2	272.70	237.13
83	24.14.01.a	2406; 2, 4	Providing and placing concrete with 60% M 15/40 concrete and 40% boulders/stones as per specification Lead 30m, lift 1.5m , using concrete mixer and	m3	9,477.81	8241.57
113	24.14.01.b	2406; 2, 4	Providing and placing concrete with 60% M 15/40 concrete and 40% boulders/stones as per specification Lead 30m, lift 1.5m , without using concrete	m3	9,634.24	8377.60
84	24.14.02.a	2406; 2, 4	Providing and placing plum-concrete with 70% M 15/40 concrete and 30% boulders/stones as per specification. Lead 30m, lift 1.5m using concrete mixer and	m3	10,101.57	8783.97
115	24.14.02.b	2406; 2, 4	Providing and placing concrete with 70% M 15/40 concrete and 30% boulders/stones as per specification Lead 30m, lift 1.5m , without using concrete	m3	10,311.48	8966.50
28	25.1c	2500	Providing and laying Brick Masonry Work in Cement mortar in Foundation / structure complete excluding Pointing and Plastering, as per Drawing and Technical Specifications.cement sand mortar (1:4)	m3	15,058.79	13094.60
29	25.06.b	2502,2510	Providing and applying 12.5 mm thick Plaster with cement mortar on brick work structure as per Technical Specifications	m2	357.40	310.78
30	26.01, 6.05 old	2602, 2603	Providing, laying and levelling of dry stone soling works in the foundation all complete. [2602, 2603]	m3	3,817.31	3319.40
31	26.5a	2600,2607	Providing and laying Stone Masonry work in cement mortar1:4 in structure complete as per Drawing and Technical Specifications Random Rubble Masonry	m3	8,606.55	7483.95
120	26.03.a	2602, 2603, 2607	Providing and laying Random rubble stone masonry in cement mortar [cement(1) : sand(3)] including scaffolding, curing, preparation of mortar etc. complete, masoned height 0-5m, lead 30m (machine mixing), mortar 35% [2602, 2603, 2607]	m3	11,004.88	9569.46
32	26.03.b	2602, 2603, 2607	Providing and laying of Stone Masonry Work in Cement Mortar 1:6 in Foundation complete as per Drawing and Technical Specifications.	m3	8,117.80	7058.96
88	26.03.c	2602, 2603, 2607	Providing and laying Random rubble stone masonry in cement mortar [cement(1) : sand(6)] including scaffolding, curing, preparation of mortar etc. complete, masoned height 0-5m, lead 30m (machine mixing), mortar 35% [2602, 2603, 2607]	m3	9,642.11	8384.44
123	26.04.a	2607	Providing and laying Random rubble stone masonry in cement mortar [cement(1) : sand(3)] including scaffolding, curing, preparation of mortar etc. complete, masoned height 0-5m, lead 30m (manual mixing), mortar 35% [2607]	m3	11,596.35	10083.78

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संजय कुमार काफ्ले
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89	26.04.b	2607	Providing and laying Random rubble stone masonry in cement mortar [cement(1) : sand(4)] including scaffolding, curing, preparation of mortar etc. complete, masoned height 0-5m, lead 30m (manual mixing), mortar 35% [2607]	m3	11,050.65	9609.26
90	26.04.c	2607	Providing and laying Random rubble stone masonry in cement mortar [cement(1) : sand(6)] including scaffolding, curing, preparation of mortar etc. complete, masoned height 0-5m, lead 30m (manual mixing), mortar 35% [2607]	m3	10,233.57	8898.75
91	26.05.a	2600	Providing and laying Coursed rubble stone masonry in cement mortar [cement(1) : sand(3)] including scaffolding, curing, preparation of mortar etc. all complete. [2600]	m3	11,648.09	10128.77
92	26.05.b	2600	Providing and laying Coursed rubble stone masonry in cement mortar [cement(1) : sand(4)] including scaffolding, curing, preparation of mortar etc. complete, masoned height 0-5m, lead 30m (machine mixing), mortar 30% [2600]	m3	11,102.40	9654.26
93	26.05.c	2600	Providing and laying Coursed rubble stone masonry in cement mortar [cement(1) : sand(6)] including scaffolding, curing, preparation of mortar etc. complete, masoned height 0-5m, lead 30m (machine mixing), mortar 30% [2600]	m3	10,285.32	8943.75
129	26.07.a	2602, 2603, 2610	Providing, mixing, and Pointing cement mortar over rubble masonry works in cement mortar [cement(1) : sand(1)] including scaffolding, curing, preparation of mortar etc. complete, masoned height 0-5m, lead 30m (machine mixing). [2602, 2603, 2610]	m2	377.32	328.10
130	26.07.b	2602, 2603, 2610	Providing, mixing, and Pointing cement mortar over rubble masonry works in cement mortar [cement(1) : sand(2)] including scaffolding, curing, preparation of mortar etc. complete, masoned height 0-5m, lead 30m (machine mixing). [2602, 2603, 2610]	m2	342.86	298.13
131	26.07.c	2602, 2603, 2610	Providing, mixing, and Pointing cement mortar over rubble masonry works in cement mortar [cement(1) : sand(3)] including scaffolding, curing, preparation of mortar etc. all complete [2602, 2603, 2610]	m2	325.45	283.00
132	27.07	2713	Removal of old paints by sand blasting, cleaning and repairing of metal surfaces for the application of new paints as per specification. [2713]	m2	1,970.01	1713.05
133			Double coat whitewash on new surface including supply of materials all complete []	m2	55.29	48.07
134			Single coat whitewash on old surface including supply of materials all complete []	m2	37.71	32.79
135			Single coat enamel paint/ readymade emulsion paint with primer including supply of materials all complete. []	m2	298.68	259.72
94	29.01	2902	Restoration of rain cuts in embankment slopes including watering and compaction etc. all complete lead 10 m. [2902]	m3	792.13	688.80
95	29.02	2903	Maintenance of earthen shoulders by making irregularities even to the required level including watering and compaction etc. all complete lead 10m. [2903]	m2	202.78	176.33
96	29.03	2904	Maintenance of gravel shoulders and gravel carriageway by repairing pot holes and making irregularities even to the required level including watering and compaction etc. all complete lead 10m. [2904]	m2	481.28	418.50
97	29.04.b.i	2905	Repair of potholes and damaged bituminous surface including cleaning, brooming, and rolling etc all complete using hot premix material for 20mm shallow patching.	m2	636.06	553.09
98	31.01.a	3105	Providing and installing Railing including Railing Posts -- 100 mm dia [3105]	m	880.82	765.93
99	31.01.b	3105	Providing and installing in positions railing of 50 mm dia with all necessary hardwares all complete. [3105]	m	581.65	505.78
142	31.01.c	3105	Providing and installing Railing including Railing Posts -- 38 mm dia [3105]	m	301.96	262.57
143		1310	Providing and laying seal coat sealing the voids in a bitumeneous surface as per drawing and Technical Specifications by mechanical means using Hot mix plants.	m2	99.61	86.61
144	15-16-kh		Brushing work in wire brush, broom in Road Surface for before Application of prime coat	m2	17.74	15.42

Signature
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