

HORIZONTAL CURVE DETAILS

Sl. No.	Curve No.	IP Chainage	Radius (m)	Ls (I) (m)	Ls (O) (m)	Deflection Angle			DEF(RAD)	Degree	Shift(s) (m)	ϕ Radians	Δ Radians	Ts (m)	Es (m)	Lc (m)	L _{total} (m)	% Super elevation	Hand of Curve
						D	M	S											
Road No. 1 Railway Station To Vazirbad Police Station																			
1	1	0+032.507	150			22	16	5	0.388651	22.27				29.52	2.88	58.30	58.30	2.00	Left
2	2	0+111.043	550			02	8	29	0.037374	2.14				10.28	0.10	20.56	20.56	-2.50	Left
3	3	0+363.664	200			26	11	56	0.457257	26.20				46.54	5.34	91.45	91.45	2.00	Left
4	4	0+600.608	1000			0	27	21	0.007956	0.46				3.98	0.01	7.96	7.96	-2.50	Left
5	5	0+723.875	550			03	7	5	0.05442	3.12				14.97	0.20	29.93	29.93	-2.50	Right
Road No. 2 Vazirabad Police Station Gurudwara gate No.1																			
1	1	0+060.313	225			30		41	0.523798	30.01				60.31	7.94	117.85	117.85	2.00	Left
2	2	0+172.454	550			1	43	42	0.030165	1.73				8.30	0.06	16.59	16.59	-2.50	Left
3	3	0+385.269	1000			2	43	38	0.047599	2.73				23.80	0.28	47.60	47.60	-2.50	Left
Road No. 3 Gurudwara Gate No. 1 To Keli Market (Upto Crusher Road /Ambedkar Chowk)																			
1	1	0+112.697	550			7	27	43	0.130235	7.46				35.87	1.17	71.63	71.63	-2.50	Right
2	2	0+238.052	150			23	56	37	0.417895	23.94				31.81	3.34	62.68	62.68	-2.50	Left
3	3	0+308.847	40			21	12	34	0.370175	21.21				7.49	0.70	14.81	14.81	-2.50	Left
4	4	0+325.272	40			16	52	23	0.29449	16.87				5.93	0.44	11.78	11.78	-2.50	Right
5	5	0+388.371	550			0	58	46	0.017095	0.98				4.70	0.02	9.40	9.40	-2.50	Left
6	6	0+538.507	200			6		37	0.104899	6.01				10.50	0.28	20.98	20.98	-2.50	Left
7	7	0+661.518	200			12	37	39	0.220391	12.63				22.13	1.22	44.08	44.08	-2.50	Left
8	8	0+709.175	200			4	52	40	0.085133	4.88				8.52	0.18	17.03	17.03	-2.50	Right
Road No. 04 Keli Market (Ambedkar Chowk) To Barki Chowk																			
1	1	0+015.959	20			29	28	20	0.514387	29.47				5.26	0.68	10.29	10.29	4.00	Right
2	2	0+068.67	40			57	31	28	1.003991	57.52				21.96	5.63	40.16	40.16	3.00	Left
3	3	0+102.54	40			28	47	34	0.502529	28.79				10.27	1.30	20.10	20.10	1.00	Right
4	4	0+176.325	400			10	42	59	0.187036	10.72				37.52	1.76	74.81	74.81	-2.50	Right
Road No. 05 Bakri Chowk To Darbar Masjid Chowk To Navghat																			
1	1	0+052.451	150			24	57	19	0.435552	24.96				33.19	3.63	65.33	65.33	-2.50	Right
2	2	0+159.603	250			11	5	41	0.193639	11.09				24.28	1.18	48.41	48.41	-2.50	Left
3	3	0+220.445	300			8	8	29	0.142094	8.14				21.35	0.76	42.63	42.63	-2.50	Right
4	4	0+312.408	15			93	47	49	1.637066	93.80				16.03	6.95	24.56	24.56	4.00	Left
5	5	0+344.518	50			21	39	12	0.377922	21.65				9.56	0.91	18.90	18.90	-2.50	Left
6	6	0+386.325	40			42	48	46	0.747224	42.81				15.68	2.96	29.89	29.89	1.00	Right

Sl. No.	Curve No.	IP Chainage	Radius	Ls (I)	Ls (O)	Deflection Angle			DEF(RAD)	Degree	Shift(s)	ϕ	Δ	Ts	Es	Lc	L _{total}	% Super elevation	Hand of Curve
			(m)	(m)	(m)	D	M	S	(m)		(m)	Radians	Radians	(m)	(m)	(m)	(m)		
7	7	0+486.573	40			6	53	59	0.120423	6.90				2.41	0.07	4.82	4.82	1.00	Right
8	8	0+525.130	50			28	45	3	0.501797	28.75				12.81	1.62	25.09	25.09	2.00	Left
9	9	0+554.517	50			27	2	9	0.471864	27.04				12.02	1.42	23.59	23.59	2.00	Right
10	10	0+615.911	300			6	6	51	0.106712	6.11				16.02	0.43	32.01	32.01	-2.50	Right
11	11	0+704.487	300			8	49	41	0.154079	8.83				23.16	0.89	46.22	46.22	-2.50	Left
12	12	0+758.450	50			25	23	16	0.4431	25.39				11.26	1.25	22.16	22.16	-2.50	Left

Road No. 06 Darbar Masjid Chowk To Fort

1	1	0+045.758	50			44	14	35	0.772187	44.24				20.32	3.97	38.61	38.61	2.00	Right
2	2	0+157.294	200			19	55	1	0.347616	19.92				35.12	3.06	69.52	69.52	-2.50	Right

Road No. 7 Regional Workshop To Mutha Chowk

1	1	0+239.897	550			4	27	34	0.077832	4.46				21.41	0.42	42.81	42.81	-2.50	Right
2	2	0+361.381	1000			1	9	54	0.020333	1.17				10.17	0.05	20.33	20.33	-2.50	Right
3	3	0+409.358	300			9	27	16	0.165011	9.45				24.81	1.02	49.50	49.50	1.00	Left
4	4	0+569.299	1000			1	34	10	0.027392	1.57				13.70	0.09	27.39	27.39	-2.50	Left
5	5	0+744.196	1000			1	15	25	0.021938	1.26				10.97	0.06	21.94	21.94	-2.50	Right
6	6	1+006.229	2000			0	27	46	0.008077	0.46				8.08	0.02	16.15	16.15	-2.50	Right
7	7	1+174.220	550			6	40	5	0.11638	6.67				32.04	0.93	64.01	64.01	-2.50	Right
8	8	1+343.497	2000			2	22	14	0.041374	2.37				41.38	0.43	82.75	82.75	-2.50	Right
9	9	1+479.393	400			17	54	44	0.312627	17.91				63.04	4.94	125.05	125.05	-2.50	Left
10	10	1+800.993	2000			0	32	30	0.009454	0.54				9.45	0.02	18.91	18.91	-2.50	Right
11	11	1+919.484	200			14	41	15	0.256345	14.69				25.78	1.65	51.27	51.27	1.00	Left
12	12	1+967.416	50			32	10	2	0.561424	32.17				14.42	2.04	28.07	28.07	2.50	Right
13	13	2+003.687	75			16	7	57	0.281565	16.13				10.63	0.75	21.12	21.12	-2.50	Left
14	14	2+059.061	550			02	53	15	0.050396	2.89				13.86	0.17	27.72	27.72	-2.50	Right
15	15	2+271.642	1000			0	5	56	0.001726	0.10				0.86	0.00	1.73	1.73	-2.50	Right
16	16	2+454.289	100			25	40	53	0.448225	25.68				22.79	2.56	44.82	44.82	2.00	Left
17	17	2+624.732	50			28	28	52	0.497089	28.48				12.69	1.59	24.85	24.85	3.00	Right
18	18	2+827.354	200			26	58	38	0.470841	26.98				47.97	5.67	94.17	94.17	1.00	Left
19	19	3+183.741	300			5	58	46	0.104361	5.98				15.67	0.41	31.31	31.31	1.00	Left
20	20	3+245.562	300			07	53	28	0.137726	7.89				20.69	0.71	41.32	41.32	1.00	Right

Road No. 8 Mutha Chowk To Mahveer Chowk To Tower Bakri Chowk To Degloor Naka

1	1	0+12.939	50			15	5	47	0.263482	15.10				6.63	0.44	13.17	13.17	-2.50	Left
2	2	0+178.270	1000			01	18	40	0.022883	1.31				11.44	0.07	22.88	22.88	-2.50	Right
3	3	0+464.387	550			12	54	40	0.225341	12.91				62.23	3.51	123.94	123.94	-2.50	Left

Sl. Nr.	Curve No.	IP Chainage	Radius	Ls (I)	Ls (O)	Deflection Angle			DEF(RAD)	Degree	Shift(s)	ϕ	Δ	Ts	Es	Lc	L _{total}	% Super elevation	Hand of Curve
			(m)	(m)	(m)	D	M	S		(m)	Radians	Radians	(m)	(m)	(m)	(m)			
4	4	0+706.498	1000			2	41	20	0.04693	2.69			23.47	0.28	46.93	46.93	-2.50	Right	
5	5	0+818.486	1000			5	15	48	0.091862	5.26			45.96	1.06	91.86	91.86	-2.50	Right	
6	6	0+963.593	300			18	32	44	0.323681	18.55			48.98	3.97	97.10	97.10	-2.50	Left	
7	7	1+227.940	1000			0	55		0.015999	0.92			8.00	0.03	16.00	16.00	-2.50	Right	
8	8	1+523.832	1000			04	16	25	0.074589	4.27			37.31	0.70	74.59	74.59	-2.50	Left	
9	9	1+854.370	200			23	2	41	0.402206	23.04			40.77	4.11	80.44	80.44	-2.50	Left	
10	10	1+949.986	200			08	53	15	0.155116	8.89			15.54	0.60	31.02	31.02	-2.50	Right	
11	11	2+045.581	200			14	51	32	0.259337	14.86			26.08	1.69	51.87	51.87	-2.50	Left	
12	12	2+183.939	300			10	14	3	0.17862	10.23			26.86	1.20	53.59	53.59	-2.50	Right	
13	13	2+266.144	75			39	6	4	0.682443	39.10			26.63	4.59	51.18	51.18	4.00	Left	
14	14	2+316.364	150			12	54	45	0.225366	12.91			16.97	0.96	33.80	33.80	-2.50	Right	
15	15	2+374.670	75			28	57	25	0.505394	28.96			19.37	2.46	37.90	37.90	4.00	Left	
16	16	2+557.712	500			11	44	10	0.204834	11.74			51.39	2.63	102.42	102.42	-2.50	Left	
17	17	2+869.156	1000			1	56	34	0.033908	1.94			16.96	0.14	33.91	33.91	-2.50	Left	

Road No. 9 Degloor Naka (with ROB Maltekadi Railway station) To Hingoli Road

1	1	0+360.808	400			18	4	55	0.315589	18.08			63.65	5.03	126.24	126.24	-2.50	Right	
2	2	0+511.439	300			26	46	41	0.467365	26.78			71.41	8.38	140.21	140.21	-2.50	Left	
3	3	0+756.984	1000			5	15	15	0.091703	5.25			45.88	1.05	91.70	91.70	-2.50	Left	
4	4	1+171.212	700	50	50	23	10	39	0.404524	23.18	0.149	0.036	0.333	178.80	14.72	233.17	333.17	-2.50	Right
5	5	1+616.954	1000			13	22	23	0.233404	13.37			117.23	6.85	233.40	233.40	-2.50	Left	
6	6	2+098.273	1500			11	9	15	0.194677	11.15			146.47	7.13	292.02	292.02	-2.50	Right	
7	7	2+829.686	1500			8	32	10	0.148983	8.54			111.94	4.17	223.47	223.47	-2.50	Right	

Road No. 10 Mutha Chowk To Gowardhan Ghat (With a Bridge on godawari) To Latur Road (thru Kautha)

1	1	0+066.696	200			32	14	47	0.562806	32.25			57.81	8.19	112.56	112.56	-2.50	Left
2	2	0+370.145	700			23	36	15	0.41197	23.60			146.26	15.12	288.38	288.38	-2.50	Right
3	3	0+625.787	600			15	52	52	0.277178	15.88			83.69	5.81	166.31	166.31	-2.50	Left
4	4	1+520.608	3000			6	50	39	0.119453	6.84			179.39	5.36	358.36	358.36	-2.50	Left
5	5	2+751.475	300			10	20	25	0.180472	10.34			27.14	1.23	54.14	54.14	-2.50	Left

Road No. 11 Gurudwara Parikrama -II

1	1	0+157.77	500			11	40	43	0.20383	11.68			51.13	2.61	101.92	101.92	-2.50	Right
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Road No. 12 Baryam Singh Wine Shop Gurudwar Gate No. 2 To Yatri Niwas

1	1	0+027.381	200			9	52	37	0.172385	9.88			17.28	0.75	34.48	34.48	-2.50	Left
2	2	0+089.45	500			6	12	15	0.108283	6.20			27.10	0.73	54.14	54.14	-2.50	Left

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			(m)	(m)	(m)	D	M	S	(m)		(m)	(m)	(m)	(m)	(m)	(m)			
3	3	0+228.268	10			83	43	32	1.461287	83.73				8.96	3.43	14.61	14.61	-2.50	Right
4	4	0+427.327	8			98	55	28	1.726557	98.92				9.35	4.31	13.81	13.81	-2.50	Left

Road No. 13 Chikhalwadi Road To Bhagat Singh Road

1	1	0+073+749	500			9	13	53	0.161118	9.23				40.37	1.63	80.56	80.56	-2.50	Left
2	2	0+176	100			27	28	16	0.479461	27.47				24.44	2.94	47.95	47.95	-2.50	Right
3	3	0+208.916	150			3	49	38	0.066798	3.83				5.01	0.08	10.02	10.02	-2.50	Left
4	4	0+277.186	30			25	41		0.448259	25.68				6.84	0.77	13.45	13.45	1.00	Left
5	5	0+306.123	50			18	52	49	0.329523	18.88				8.31	0.69	16.48	16.48	-2.50	Left
6	6	0+412.117	60			29	3	51	0.507265	29.06				15.55	1.98	30.44	30.44	1.00	Right
7	7	0+516.67	100			16		40	0.279447	16.01				14.06	0.98	27.94	27.94	-2.50	Left
8	8	0+571.992	50			28	35	48	0.499106	28.60				12.74	1.60	24.96	24.96	-2.50	Left
9	9	0+601.235	50			23	1	24	0.401833	23.02				10.18	1.03	20.09	20.09	-2.50	Right

Road No. 14 Chikalwadi Road To Bhagat Singh Road To Crushe Road

1	1	0+106.44	2000			1	30	15	0.026253	1.50				26.25	0.17	52.51	52.51	-2.50	Left
2	2	0+438.430	1500			2	47	10	0.048627	2.79				36.48	0.44	72.94	72.94	-2.50	Left
3	3	0+577.955	2000			2		27	0.035037	2.01				35.04	0.31	70.07	70.07	-2.50	Right

Road No. 15 Gurudwara Gate No. 3/4 To Bhagat Singh Road

1	1	0+061.714	100			33	31	43	0.585185	33.53				30.12	4.44	58.52	58.52	-2.50	Right
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Road No. 16 Gurudwara Gate No.4 (Parikrama) To Gurudwara Road (Lohar Galli C.C. Road)

1	1	0+027.986	150			16	38	36	0.290481	16.64				21.94	1.60	43.57	43.57	-2.50	Left
2	2	0+090+502	150			16	38	39	0.290496	16.64				21.94	1.60	43.57	43.57	-2.50	Right
3	3	0+255.702	150			24	2	6	0.41949	24.04				31.93	3.36	62.92	62.92	-2.50	Left

Road No. 17 Gurudwara Gate No.1 To Dena Bank To Nagina Ghat (Partially Pedestrian Road)

1	1	0+113.122	1000			1	21	5	0.023586	1.35				11.79	0.07	23.59	23.59	-2.50	Left
2	2	0+355.781	250			32	25	4	0.565797	32.42				72.67	10.35	141.45	141.45	-2.50	Left
3	3	0+658.449	1000			2	41	39	0.047022	2.69				23.52	0.28	47.02	47.02	-2.50	Right

Road No. 18 Gandhi Statue To Mahaveer Chowk

1	1	0+010.236	25			27	57	16	0.487897	27.95				6.22	0.76	12.20	12.20	4.00	Left
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Road No. 19 Hingoli Gate(RUB) To Forest Office To Banda Ghat

1	1	0+163.242	300			16	3	59	0.280411	16.07				42.34	2.97	84.12	84.12	-2.50	Right
2	2	0+374.953	175	50	50	38	5	3	0.664694	38.08	0.595	0.143	0.379	102.66	10.76	66.32	166.32	4.00	Left
3	3	0+533.096	200			24	58	29	0.435891	24.97				44.29	4.85	87.18	87.18		Right
4	4	0+757.896	300			5	45	14	0.100424	5.75				15.08	0.38	30.13	30.13	2.00	Right

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			(m)	(m)	(m)	D	M	S	(m)		(m)	(m)	(m)	(m)	(m)	(m)			
5	5	0+863.165	1000			0	38	21	0.011156	0.64				5.58	0.02	11.16		-2.50	Right
6	6	0+990.798	1000			1	11	26	0.020779	1.19				10.39	0.05	20.78	20.78	-2.50	Left
7	7	1+108.162	550			02	16	11	0.039614	2.27				10.90	0.11	21.79	21.79	-2.50	Left
8	8	1+207.84	650			6	53	59	0.120423	6.90				39.18	1.18	78.27	78.27	-2.50	Right
9	9	1+310.047	550			8	28		0.147771	8.47				40.71	1.50	81.27	81.27	-2.50	Right
10	10	1+463.723	1000			3	47	14	0.066099	3.79				33.06	0.55	66.10	66.10	-2.50	Right
11	11	1+602.458	5000			0	38	36	0.011228	0.64				28.07	0.08	56.14	56.14	-2.50	Right

Road No. 22 Nagina Ghat To Banda Ghat

1	1	0+029.698	100			12	11	32	0.212794	12.19				10.68	0.57	21.28	21.28	1.00	Left
2	2	0+116.525	100			57	23	59	1.001814	57.40				54.75	14.01	100.18	100.18	1.00	Right
3	3	0+201.163	150			17	23	18	0.303484	17.39				22.94	1.74	45.52	45.52	-2.50	Left
4	4	0+273.428	300			09	29	9	0.165559	9.49				24.89	1.03	49.67	49.67	-2.50	Left

Road No. 23 Vazirabad Road To Banda Ghat

1	1	0+033.240	250			11	38	40	0.203234	11.64				25.49	1.30	50.81	50.81	-2.50	Left
2	2	0+076.913	300			2	7	7	0.036977	2.12				5.55	0.05	11.09	11.09	-2.50	Right

Road No. 24 Degloor Road Through C.R.C. To Gyanmata School (With an RUB or ROB crossing Railway)

1	1	0+225.225	1000			16	21	48	0.285594	16.36				143.78	10.28	285.59	285.59	-2.50	Right
2	2	0+739.698	300			8	13	57	0.143684	8.23				21.59	0.78	43.11	43.11	-2.50	Left
3	3	0+846.357	300			8		34	0.139791	8.01				21.00	0.73	41.94	41.94	-2.50	Right
4	4	1+025.001	650			11	30	47	0.200941	11.51				65.53	3.29	130.61	130.61	-2.50	Left
5	5	1+463.153	2000			1	36	33	0.028085	1.61				28.09	0.20	56.17	56.17	-2.50	Right
6	6	1+578.479	250			14	45	16	0.257514	14.75				32.37	2.09	64.38	64.38	-2.50	Left
7	7	1+661.189	250			14	42	31	0.256714	14.71				32.27	2.07	64.18	64.18	-2.50	Right
8	8	1+764+716	1000			2	58	33	0.051938	2.98				25.97	0.34	51.94	51.94	-2.50	Left
9	9	2+164.299	600			13	5	56	0.228619	13.10				68.89	3.94	137.17	137.17	-2.50	Right
10	10	2+288.988	250			21	5	50	0.368216	21.10				46.55	4.30	92.05	92.05	-2.50	Left

Road No. 26 MahaDeo Dalmill To Gorakshan Chikalwadi Road

1	1	0+311.098	1000			1	55	7	0.033486	1.92				16.74	0.14	33.49	33.49	-2.50	Left
2	2	0+397.596	1000			2	32	31	0.044365	2.54				22.19	0.25	44.37	44.37	-2.50	Left
3	3	0+480.844	300			3	35		0.062541	3.58				9.38	0.15	18.76	18.76	-2.50	Left

Road No. 27 Dr. Savrikar Building To Navghat

1	1	0+036.988	40			37	33	12	0.655429	37.55				13.60	2.25	26.22	26.22	1.00	Left
2	2	0+075.115	150			12	37	26	0.220328	12.62				16.59	0.91	33.05	33.05	-2.50	Right

Sl. No.	Curve No.	IP Chainage	Radius	Ls (l)	Ls (O)	Deflection Angle			DEF(RAD)	Degree	Shift(s)	ϕ	Δ	Ts	Es	Lc	L _{total}	% Super elevation	Hand of Curve
			(m)	(m)	(m)	D	M	S	(m)		(m)	Radians	Radians	(m)	(m)	(m)	(m)		
3	3	0+186.323	100			55	16	5	0.96461	55.27				52.35	12.88	96.46	96.46	-2.50	Right
4	4	0+258.342	150			7	43	46	0.134904	7.73				10.13	0.34	20.24	20.24	-2.50	Left
5	5	0+287.37	50			21	43	39	0.379216	21.73				9.60	0.91	18.96	18.96	-2.50	Right
6	6	0+318.192	100			15	21	48	0.268141	15.36				13.49	0.91	26.81	26.81	-2.50	Left
7	7	0+396.515	150			11	30	49	0.20095	11.51				15.12	0.76	30.14	30.14	-2.50	Left
8	8	0+450.780	50			25	28	54	0.444739	25.48				11.31	1.26	22.24	22.24	-2.50	Right
9	9	0+479.718	100			13	35	17	0.237156	13.59				11.91	0.71	23.72	23.72	-2.50	Left
10	10	0+561.152	50			57	31	28	1.003991	57.52				27.44	7.04	50.20	50.20	1.00	Right
11	11	0+648.774	15			70	2	49	1.22255	70.05				10.51	3.32	18.34	18.34	4.00	Left
12	12	0+736.697	200			11	55	22	0.208092	11.92				20.88	1.09	41.62	41.62	-2.50	Right

Road No. 28 Bafna Petrol Pump To Old mondha To New Bridge On Godawari

1	1	0+336.926	1000			12	8	6	0.211796	12.14				106.30	5.63	211.80	211.80	-2.50	Left
2	2	0+663.475	500			34	1	47	0.593931	34.03				153.01	22.89	296.97	296.97	-2.50	Right
3	3	1+283.806	1000			8	8	12	0.142012	8.14				71.13	2.53	142.01	142.01	-2.50	Left

Road No. 28 A Khalsa RUB Approaches

1	1	0+170.992	150			30	9	58	0.526498	30.17				40.43	5.35	78.97	78.97	-2.50	Right
2	2	0+437.261	150			34	35	9	0.603637	34.59				46.70	7.10	90.55	90.55	-2.50	Right

Road No. 29 Crusher Road (From Degloor Road)To Keli Market (Ambedkar Chowk)

1	1	0+144.189	250			16	4	50	0.280659	16.08				35.31	2.48	70.16	70.16	-2.50	Right
2	2	0+243.329	300			10	31	20	0.183647	10.52				27.62	1.27	55.09	55.09	-2.50	Left
3	3	0+429.164	1000			1	12	54	0.021206	1.22				10.60	0.06	21.21	21.21	-2.50	Right
4	4	0+661.055	1000			1	25	3	0.02474	1.42				12.37	0.08	24.74	24.74	-2.50	Left
5	5	0+776.43	100			21	28	06	0.374693	21.47				18.96	1.78	37.47	37.47	-2.50	Right

Road No. 30 Latur Road To Milk Dairy

1	1	0+036.223	250			8	12	7	0.143151	8.20				17.92	0.64	35.79	35.79	-2.50	Left
2	2	0+140.800	300			4	49	3	0.084081	4.82				12.62	0.27	25.22	25.22	-2.50	Left
3	3	0+329.060	60	25	25	27		29	0.471379	27.01	0.434	0.208	0.055	32.91	2.15	3.28	53.28	4.00	Right
4	4	0+788.981	300			30	13	47	0.527608	30.23				81.03	10.75	158.28	158.28	-2.50	Left
5	5	0+903.978	300			3	33	30	0.062105	3.56				9.32	0.14	18.63	18.63	-2.50	Right
6	6	0+970.267	300			5	23	59	0.094243	5.40				14.15	0.33	28.27	28.27	-2.50	Left
7	7	1+097.66	500			1	53	36	0.033045	1.89				8.26	0.07	16.52	16.52	-2.50	Right
8	8	1+157.168	300			2	43	41	0.047614	2.73				7.14	0.09	14.28	14.28	-2.50	Left
9	9	1+272.851	500			9	23	2	0.16378	9.38				41.04	1.68	81.89	81.89	-2.50	Left
10	10	1+380.243	150			23	4	28	0.402725	23.07				30.62	3.09	60.41	60.41	-2.50	Left

Sl. Nr.	Curve No.	IP Chainage	Radius	Ls (I)	Ls (O)	Deflection Angle			DEF(RAD)	Degree	Shift(s)	ϕ	Δ	Ts	Es	Lc	L _{total}	% Super elevation	Hand of Curve
			(m)	(m)	(m)	D	M	S	(m)		(m)	Radians	Radians	(m)	(m)	(m)	(m)		
11	11	1+460.607	300			2	52	15	0.050105	15.00				7.52	0.09	15.03	15.03	-2.50	Right

Road No. 31 Navghat Bridge To Milk Dairy

1	1	0+074.139	1000			1	16	29	0.022248	1.27				11.12	0.06	22.25	22.25	-2.50	Right
2	2	0+333.54	1000			0	39	21	0.011446	0.66				5.72	0.02	11.45	11.45	-2.50	Left
3	3	0+388.279	1000			0	44	35	0.012969	0.74				6.48	0.02	12.97	12.97	1.00	Right
4	4	0+442.228	1000			1	8	30	0.019926	1.14				9.96	0.05	19.93	19.93	-2.50	Left
5	5	0+507.256	1000			1	39	19	0.02889	1.66				14.45	0.10	28.89	28.89	-2.50	Right
6	6	0+571.085	1000			1	45	33	0.030703	1.76				15.35	0.12	30.70	30.70	-2.50	Left
7	7	0+775.730	300			19	34	44	0.341716	19.58				51.76	4.43	102.51	102.51	1.00	Right
8	8	0+899.753	300			13	11	46	0.230316	13.20				34.70	2.00	69.09	69.09	-2.50	Left

Road No. 32 Airport (Forest Naka) To Chhtrapati Nagar

1	1	0+272.304	2000			0	17	18	0.005032	0.29				5.03	0.01	10.06	10.06	-2.50	Left
2	2	0+517.704	600			10	51	27	0.189499	10.86				57.02	2.70	113.70	113.70	-2.50	Right
3	3	0+899.364	500			17	6	18	0.298539	17.11				75.19	5.62	149.27	149.27	-2.50	Left
4	4	1+320.957	600			12	41	31	0.221516	12.69				66.73	3.70	132.91	132.91	-2.50	Left
5	5	2+207.326	800			19		2	0.331622	19.00				133.88	11.12	265.30	265.30	-2.50	Right
6	6	2+496.872	600			12	27	13	0.217357	12.45				65.46	3.56	130.41	130.41	-2.50	Left
7	7	2+703.906	500			6	21	57	0.111105	6.37				27.80	0.77	55.55	55.55	-2.50	Right

Road No. 34 Pawdewadi Naka To Rest House

1	1	0+092.899	125			13	22	20	0.233389	13.37				14.65	0.86	29.17	29.17	3.00	Right
2	2	0+161.13	250			22	16	3	0.388641	22.27				49.20	4.80	97.16	97.16	-2.50	Left
3	3	0+394.659	150			27	59	19	0.488493	27.99				37.38	4.59	73.27	73.27	3.00	Right
4	4	0+525.319	1000			0	53	42	0.015621	0.90				7.81	0.03	15.62	15.62	-2.50	Left
5	5	0+590.962	1000			2	32	40	0.044409	2.54				22.21	0.25	44.41	44.41	-2.50	Right
6	6	0+663.070	550			3	16	48	0.057247	3.28				15.75	0.23	31.49	31.49	-2.50	Right
7	7	0+896.072	1000			1	29	16	0.025967	1.49				12.98	0.08	25.97	25.97	-2.50	Right

Road No. 35 ShivajiNagar ROB To Nasaratpur

S	1	0+330.343	600			16	10	55	0.282428	16.18				85.30	6.03	169.46	169.46	-0.03	Right
2	2	0+685.931	500			4	42	36	0.082205	4.71				20.56	0.42	41.10	41.10	-0.03	Left
3	3	0+814.349	10			102	25	8	1.787547	102.42				12.44	5.96	17.88	17.88	-0.03	Left
4	4	1+234.710	15			89	37	3	1.56412	89.62				14.90	6.14	23.46	23.46	-0.03	Right
5	5	1+324.833	500			7	17	12	0.127176	7.29				31.84	1.01	63.59	63.59	-0.03	Left
5	5	1+531.983	200			24	47	5	0.432575	24.78				43.94	4.77	86.52	86.52	-0.03	Right
6	6	1+962.587	300			18	13	21	0.318043	18.22				48.11	3.83	95.41	95.41	-0.03	Left

Sl. No.	Curve No.	IP Chainage	Radius	Ls (I)	Ls (O)	Deflection Angle			DEF(RAD)	Degree	Shift(s)	ϕ	Δ	Ts	Es	Lc	L _{total}	% Super elevation	Hand of Curve
			(m)	(m)	(m)	D	M	S	(m)		(m)	(m)	(m)	(m)	(m)	(m)			
7	7	2+397.308	50			100	10	5	1.748262	100.17				59.77	27.92	87.41	87.41	0.02	Left
Road No. 37 Shivaji Statue (Thru Z.P. Girls School)To Degloor Road																			
1	1	0+277.307	60			82	21	41	1.437477	82.36				52.49	19.72	86.25	86.25	1.00	Left
Road No. 38A Part Of Western Bypass(Sothen Part inclu. Bridge)																			
1	1	2+522.434	1000			2	19	27	0.040564	2.32				20.28	0.21	40.56	40.56	-2.50	Right
1	1	2+863.184	500			10	8	50	0.177102	10.15				44.39	1.97	88.55	88.55	-2.50	Right
Road No. 39 Anand Nagar Road																			
1	1	0+047.928	290			15	38	35	0.273023	15.64				39.84	2.72	79.18	79.18	-2.50	Right
2	2	0+194.642	2000			0	57	3	0.016595	0.95				16.60	0.07	33.19	33.19	-2.50	Left
3	3	2+087.132	2000			1	13	11	0.021288	1.22				21.29	0.11	42.58	42.58	-2.50	Left
Road No. 40 BhagyaNagar To Yashwant College To Railway station																			
1	1	0+162.921	800			14	2	19	0.24502	14.04				98.50	6.04	196.02	196.02	-2.50	Left
2	2	0+300.173	1500			02	6	12	0.03671	2.10				27.54	0.25	55.07	55.07	-2.50	Right
3	3	0+842.886	16			133	38	6	2.332371	133.64				37.36	24.64	37.32	37.32	-2.50	Right
4	4	1+012.664	16			125	59	55	2.199091	126.00				31.40	19.24	35.19	35.19	-2.50	Left
5	5	1+145.862	3000			2	28	5	0.043076	2.47				64.62	0.70	129.23	129.23	-2.50	Left
6	6	1+471.565	1000			1	41	29	0.02952	1.69				14.76	0.11	29.52	29.52	-2.50	Right
7	7	1+983.318	500			2	26	6	0.042499	2.44				10.63	0.11	21.25	21.25	-2.50	Left
8	8	2+023.244	300			8	35	56	0.150079	8.60				22.55	0.85	45.02	45.02	-2.50	Right
Road No. 41 Gakul Dairy To Degloor Road Junction																			
1	1	0+950.739	2000			0	15	50	0.004606	0.26				4.61	0.01	9.21	9.21	-2.50	Left
2	2	1+291.442	2000			0	9	8	0.002657	0.15				2.66	0.00	5.31	5.31	-2.50	Right
Road No. 42 Degloor Road Junction To Old Godawari River Bridge																			
1	1	0+375.140	5000			0	19	39	0.005716	0.33				14.29	0.02	28.58	28.58	-2.50	Left
1	1	0+848.827	240	15	15	48	13	54	0.841801	48.23	0.039	0.031	0.779	121.65	22.99	187.03	217.03	2.00	Left