

ALIGARH DETOUR CO-ORDINATE TO 19 KM				
CHAINAGE	EASTING	NORTHING	LATITUDE	LONGITUDE
CH:0	214245.319	3081331.66	27 ° 49 ' 34.2065 "	78 ° 5 ' 56.5677 "
CH:50	214238.45	3081381.186	27 ° 49 ' 35.8086 "	78 ° 5 ' 56.2741 "
CH:100	214231.582	3081430.712	27 ° 49 ' 37.4108 "	78 ° 5 ' 55.9806 "
CH:150	214224.714	3081480.238	27 ° 49 ' 39.013 "	78 ° 5 ' 55.6871 "
CH:200	214217.846	3081529.764	27 ° 49 ' 40.6152 "	78 ° 5 ' 55.3936 "
CH:250	214210.969	3081579.289	27 ° 49 ' 42.2173 "	78 ° 5 ' 55.0997 "
CH:300	214203.738	3081628.763	27 ° 49 ' 43.8175 "	78 ° 5 ' 54.793 "
CH:350	214195.51	3081678.08	27 ° 49 ' 45.4119 "	78 ° 5 ' 54.45 "
CH:400	214185.743	3081727.114	27 ° 49 ' 46.9958 "	78 ° 5 ' 54.051 "
CH:450	214174.577	3081775.85	27 ° 49 ' 48.5691 "	78 ° 5 ' 53.6013 "
CH:500	214162.122	3081824.272	27 ° 49 ' 50.1311 "	78 ° 5 ' 53.1047 "
CH:550	214148.378	3081872.344	27 ° 49 ' 51.6808 "	78 ° 5 ' 52.5614 "
CH:600	214133.221	3081919.99	27 ° 49 ' 53.2155 "	78 ° 5 ' 51.9668 "
CH:650	214116.626	3081967.153	27 ° 49 ' 54.7335 "	78 ° 5 ' 51.3201 "
CH:700	214098.608	3082013.792	27 ° 49 ' 56.2334 "	78 ° 5 ' 50.622 "
CH:750	214079.251	3082059.891	27 ° 49 ' 57.7147 "	78 ° 5 ' 49.8754 "
CH:800	214058.609	3082105.43	27 ° 49 ' 59.1768 "	78 ° 5 ' 49.0824 "
CH:850	214036.699	3082150.372	27 ° 50 ' 0.6186 "	78 ° 5 ' 48.2436 "
CH:900	214013.538	3082194.682	27 ° 50 ' 2.0389 "	78 ° 5 ' 47.3596 "
CH:950	213989.145	3082238.326	27 ° 50 ' 3.4366 "	78 ° 5 ' 46.4313 "
CH:1000	213963.538	3082281.27	27 ° 50 ' 4.8107 "	78 ° 5 ' 45.4592 "
CH:1050	213936.738	3082323.478	27 ° 50 ' 6.16 "	78 ° 5 ' 44.4442 "
CH:1100	213908.765	3082364.92	27 ° 50 ' 7.4835 "	78 ° 5 ' 43.387 "
CH:1150	213879.643	3082405.561	27 ° 50 ' 8.7801 "	78 ° 5 ' 42.2885 "
CH:1200	213849.392	3082445.37	27 ° 50 ' 10.0488 "	78 ° 5 ' 41.1496 "
CH:1250	213818.033	3082484.311	27 ° 50 ' 11.2885 "	78 ° 5 ' 39.9709 "
CH:1300	213785.558	3082522.327	27 ° 50 ' 12.4973 "	78 ° 5 ' 38.7523 "
CH:1350	213751.992	3082559.383	27 ° 50 ' 13.6741 "	78 ° 5 ' 37.4946 "
CH:1400	213717.362	3082595.447	27 ° 50 ' 14.8179 "	78 ° 5 ' 36.199 "
CH:1450	213681.698	3082630.488	27 ° 50 ' 15.9276 "	78 ° 5 ' 34.8665 "
CH:1500	213645.03	3082664.478	27 ° 50 ' 17.0025 "	78 ° 5 ' 33.4982 "
CH:1550	213607.389	3082697.386	27 ° 50 ' 18.0415 "	78 ° 5 ' 32.0954 "
CH:1600	213568.807	3082729.186	27 ° 50 ' 19.0438 "	78 ° 5 ' 30.6591 "
CH:1650	213529.317	3082759.851	27 ° 50 ' 20.0086 "	78 ° 5 ' 29.1906 "
CH:1700	213488.951	3082789.354	27 ° 50 ' 20.9349 "	78 ° 5 ' 27.6912 "
CH:1750	213447.744	3082817.671	27 ° 50 ' 21.8222 "	78 ° 5 ' 26.1621 "
CH:1800	213405.747	3082844.801	27 ° 50 ' 22.6702 "	78 ° 5 ' 24.6051 "
CH:1850	213363.029	3082870.783	27 ° 50 ' 23.4805 "	78 ° 5 ' 23.0229 "
CH:1900	213319.626	3082895.603	27 ° 50 ' 24.2525 "	78 ° 5 ' 21.4166 "
CH:1950	213275.496	3082919.094	27 ° 50 ' 24.9808 "	78 ° 5 ' 19.7849 "
CH:2000	213230.971	3082941.819	27 ° 50 ' 25.6839 "	78 ° 5 ' 18.1394 "
CH:2050	213186.313	3082964.306	27 ° 50 ' 26.3792 "	78 ° 5 ' 16.4893 "
CH:2100	213141.654	3082986.792	27 ° 50 ' 27.0744 "	78 ° 5 ' 14.8392 "
CH:2150	213096.996	3083009.278	27 ° 50 ' 27.7697 "	78 ° 5 ' 13.189 "
CH:2200	213052.338	3083031.765	27 ° 50 ' 28.4649 "	78 ° 5 ' 11.5389 "

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CHAINAGE	EASTING	NORTHING	LATITUDE	LONGITUDE
CH:2250	213007.679	3083054.251	27 ° 50 ' 29.1602 "	78 ° 5 ' 9.8888 "
CH:2300	212963.021	3083076.738	27 ° 50 ' 29.8554 "	78 ° 5 ' 8.2386 "
CH:2350	212918.363	3083099.224	27 ° 50 ' 30.5507 "	78 ° 5 ' 6.5885 "
CH:2400	212873.705	3083121.71	27 ° 50 ' 31.2459 "	78 ° 5 ' 4.9383 "
CH:2450	212829.046	3083144.197	27 ° 50 ' 31.9411 "	78 ° 5 ' 3.2881 "
CH:2500	212784.388	3083166.683	27 ° 50 ' 32.6363 "	78 ° 5 ' 1.638 "
CH:2550	212739.73	3083189.17	27 ° 50 ' 33.3315 "	78 ° 4 ' 59.9878 "
CH:2600	212695.072	3083211.656	27 ° 50 ' 34.0267 "	78 ° 4 ' 58.3377 "
CH:2650	212650.413	3083234.143	27 ° 50 ' 34.7219 "	78 ° 4 ' 56.6874 "
CH:2700	212605.755	3083256.629	27 ° 50 ' 35.4171 "	78 ° 4 ' 55.0373 "
CH:2750	212561.097	3083279.115	27 ° 50 ' 36.1123 "	78 ° 4 ' 53.3871 "
CH:2800	212516.439	3083301.602	27 ° 50 ' 36.8075 "	78 ° 4 ' 51.7369 "
CH:2850	212471.78	3083324.088	27 ° 50 ' 37.5026 "	78 ° 4 ' 50.0867 "
CH:2900	212427.122	3083346.575	27 ° 50 ' 38.1978 "	78 ° 4 ' 48.4365 "
CH:2950	212382.464	3083369.061	27 ° 50 ' 38.893 "	78 ° 4 ' 46.7863 "
CH:3000	212337.805	3083391.548	27 ° 50 ' 39.5882 "	78 ° 4 ' 45.136 "
CH:3050	212293.147	3083414.034	27 ° 50 ' 40.2833 "	78 ° 4 ' 43.4858 "
CH:3100	212248.489	3083436.52	27 ° 50 ' 40.9784 "	78 ° 4 ' 41.8356 "
CH:3150	212203.831	3083459.007	27 ° 50 ' 41.6736 "	78 ° 4 ' 40.1853 "
CH:3200	212159.172	3083481.493	27 ° 50 ' 42.3687 "	78 ° 4 ' 38.5351 "
CH:3250	212114.514	3083503.98	27 ° 50 ' 43.0638 "	78 ° 4 ' 36.8848 "
CH:3300	212069.856	3083526.466	27 ° 50 ' 43.7589 "	78 ° 4 ' 35.2346 "
CH:3350	212025.198	3083548.952	27 ° 50 ' 44.454 "	78 ° 4 ' 33.5843 "
CH:3400	211980.539	3083571.439	27 ° 50 ' 45.1492 "	78 ° 4 ' 31.934 "
CH:3450	211935.881	3083593.925	27 ° 50 ' 45.8442 "	78 ° 4 ' 30.2838 "
CH:3500	211891.223	3083616.412	27 ° 50 ' 46.5394 "	78 ° 4 ' 28.6335 "
CH:3550	211846.564	3083638.898	27 ° 50 ' 47.2344 "	78 ° 4 ' 26.9832 "
CH:3600	211801.906	3083661.385	27 ° 50 ' 47.9295 "	78 ° 4 ' 25.3329 "
CH:3650	211757.248	3083683.871	27 ° 50 ' 48.6246 "	78 ° 4 ' 23.6826 "
CH:3700	211712.59	3083706.357	27 ° 50 ' 49.3197 "	78 ° 4 ' 22.0324 "
CH:3750	211667.931	3083728.844	27 ° 50 ' 50.0147 "	78 ° 4 ' 20.382 "
CH:3800	211623.273	3083751.33	27 ° 50 ' 50.7098 "	78 ° 4 ' 18.7317 "
CH:3850	211578.615	3083773.817	27 ° 50 ' 51.4049 "	78 ° 4 ' 17.0814 "
CH:3900	211533.957	3083796.303	27 ° 50 ' 52.0999 "	78 ° 4 ' 15.4311 "
CH:3950	211489.298	3083818.79	27 ° 50 ' 52.795 "	78 ° 4 ' 13.7808 "
CH:4000	211444.64	3083841.276	27 ° 50 ' 53.49 "	78 ° 4 ' 12.1304 "
CH:4050	211399.982	3083863.762	27 ° 50 ' 54.185 "	78 ° 4 ' 10.4801 "
CH:4100	211355.324	3083886.249	27 ° 50 ' 54.88 "	78 ° 4 ' 8.8298 "
CH:4150	211310.665	3083908.735	27 ° 50 ' 55.575 "	78 ° 4 ' 7.1794 "
CH:4200	211266.007	3083931.222	27 ° 50 ' 56.2701 "	78 ° 4 ' 5.5291 "
CH:4250	211221.349	3083953.708	27 ° 50 ' 56.965 "	78 ° 4 ' 3.8787 "
CH:4300	211176.69	3083976.194	27 ° 50 ' 57.66 "	78 ° 4 ' 2.2283 "
CH:4350	211132.032	3083998.681	27 ° 50 ' 58.355 "	78 ° 4 ' 0.578 "
CH:4400	211087.374	3084021.167	27 ° 50 ' 59.05 "	78 ° 3 ' 58.9276 "
CH:4450	211042.716	3084043.654	27 ° 50 ' 59.745 "	78 ° 3 ' 57.2772 "

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CHAINAGE	EASTING	NORTHING	LATITUDE	LONGITUDE
CH:4500	210998.057	3084066.14	27 ° 51 ' 0.44 "	78 ° 3 ' 55.6268 "
CH:4550	210953.399	3084088.627	27 ° 51 ' 1.135 "	78 ° 3 ' 53.9764 "
CH:4600	210908.741	3084111.113	27 ° 51 ' 1.8299 "	78 ° 3 ' 52.3261 "
CH:4650	210864.083	3084133.599	27 ° 51 ' 2.5249 "	78 ° 3 ' 50.6757 "
CH:4700	210819.424	3084156.086	27 ° 51 ' 3.2198 "	78 ° 3 ' 49.0252 "
CH:4750	210774.766	3084178.572	27 ° 51 ' 3.9148 "	78 ° 3 ' 47.3748 "
CH:4800	210730.108	3084201.059	27 ° 51 ' 4.6097 "	78 ° 3 ' 45.7244 "
CH:4850	210685.45	3084223.545	27 ° 51 ' 5.3046 "	78 ° 3 ' 44.074 "
CH:4900	210640.791	3084246.032	27 ° 51 ' 5.9996 "	78 ° 3 ' 42.4236 "
CH:4950	210596.133	3084268.518	27 ° 51 ' 6.6945 "	78 ° 3 ' 40.7731 "
CH:5000	210551.475	3084291.004	27 ° 51 ' 7.3894 "	78 ° 3 ' 39.1227 "
CH:5050	210506.816	3084313.491	27 ° 51 ' 8.0843 "	78 ° 3 ' 37.4722 "
CH:5100	210462.158	3084335.977	27 ° 51 ' 8.7792 "	78 ° 3 ' 35.8218 "
CH:5150	210417.5	3084358.464	27 ° 51 ' 9.4741 "	78 ° 3 ' 34.1713 "
CH:5200	210372.842	3084380.95	27 ° 51 ' 10.169 "	78 ° 3 ' 32.5209 "
CH:5250	210328.183	3084403.436	27 ° 51 ' 10.8639 "	78 ° 3 ' 30.8704 "
CH:5300	210283.525	3084425.923	27 ° 51 ' 11.5588 "	78 ° 3 ' 29.2199 "
CH:5350	210238.867	3084448.409	27 ° 51 ' 12.2536 "	78 ° 3 ' 27.5695 "
CH:5400	210194.209	3084470.896	27 ° 51 ' 12.9485 "	78 ° 3 ' 25.919 "
CH:5450	210149.55	3084493.382	27 ° 51 ' 13.6433 "	78 ° 3 ' 24.2685 "
CH:5500	210104.892	3084515.869	27 ° 51 ' 14.3382 "	78 ° 3 ' 22.618 "
CH:5550	210060.234	3084538.355	27 ° 51 ' 15.033 "	78 ° 3 ' 20.9675 "
CH:5600	210015.575	3084560.841	27 ° 51 ' 15.7279 "	78 ° 3 ' 19.317 "
CH:5650	209970.917	3084583.328	27 ° 51 ' 16.4227 "	78 ° 3 ' 17.6665 "
CH:5700	209926.259	3084605.814	27 ° 51 ' 17.1175 "	78 ° 3 ' 16.016 "
CH:5750	209881.601	3084628.301	27 ° 51 ' 17.8124 "	78 ° 3 ' 14.3655 "
CH:5800	209836.942	3084650.787	27 ° 51 ' 18.5072 "	78 ° 3 ' 12.7149 "
CH:5850	209792.284	3084673.273	27 ° 51 ' 19.202 "	78 ° 3 ' 11.0644 "
CH:5900	209747.626	3084695.76	27 ° 51 ' 19.8968 "	78 ° 3 ' 9.4139 "
CH:5950	209702.968	3084718.246	27 ° 51 ' 20.5916 "	78 ° 3 ' 7.7633 "
CH:6000	209658.309	3084740.733	27 ° 51 ' 21.2864 "	78 ° 3 ' 6.1128 "
CH:6050	209613.651	3084763.219	27 ° 51 ' 21.9812 "	78 ° 3 ' 4.4622 "
CH:6100	209568.993	3084785.706	27 ° 51 ' 22.676 "	78 ° 3 ' 2.8117 "
CH:6150	209524.335	3084808.192	27 ° 51 ' 23.3707 "	78 ° 3 ' 1.1611 "
CH:6200	209479.676	3084830.678	27 ° 51 ' 24.0655 "	78 ° 2 ' 59.5105 "
CH:6250	209435.018	3084853.165	27 ° 51 ' 24.7603 "	78 ° 2 ' 57.8599 "
CH:6300	209390.36	3084875.651	27 ° 51 ' 25.455 "	78 ° 2 ' 56.2094 "
CH:6350	209345.701	3084898.138	27 ° 51 ' 26.1498 "	78 ° 2 ' 54.5588 "
CH:6400	209301.043	3084920.624	27 ° 51 ' 26.8445 "	78 ° 2 ' 52.9082 "
CH:6450	209256.385	3084943.111	27 ° 51 ' 27.5393 "	78 ° 2 ' 51.2576 "
CH:6500	209211.727	3084965.597	27 ° 51 ' 28.234 "	78 ° 2 ' 49.607 "
CH:6550	209167.117	3084988.179	27 ° 51 ' 28.9319 "	78 ° 2 ' 47.9581 "
CH:6600	209122.857	3085011.431	27 ° 51 ' 29.6518 "	78 ° 2 ' 46.3213 "
CH:6650	209079.635	3085036.565	27 ° 51 ' 30.4335 "	78 ° 2 ' 44.7208 "
CH:6700	209037.05	3085062.764	27 ° 51 ' 31.2504 "	78 ° 2 ' 43.1426 "

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CHAINAGE	EASTING	NORTHING	LATITUDE	LONGITUDE
CH:6750	208995.494	3085090.561	27 ° 51 ' 32.1199 "	78 ° 2 ' 41.6006 "
CH:6800	208955.19	3085120.144	27 ° 51 ' 33.0483 "	78 ° 2 ' 40.1027 "
CH:6850	208916.005	3085151.2	27 ° 51 ' 34.0254 "	78 ° 2 ' 38.6444 "
CH:6900	208877.643	3085183.265	27 ° 51 ' 35.0359 "	78 ° 2 ' 37.2153 "
CH:6950	208840.187	3085216.386	27 ° 51 ' 36.0814 "	78 ° 2 ' 35.8182 "
CH:7000	208802.8	3085249.585	27 ° 51 ' 37.1295 "	78 ° 2 ' 34.4237 "
CH:7050	208765.413	3085282.785	27 ° 51 ' 38.1776 "	78 ° 2 ' 33.0291 "
CH:7100	208728.026	3085315.984	27 ° 51 ' 39.2257 "	78 ° 2 ' 31.6345 "
CH:7150	208690.639	3085349.184	27 ° 51 ' 40.2738 "	78 ° 2 ' 30.2399 "
CH:7200	208653.252	3085382.383	27 ° 51 ' 41.3218 "	78 ° 2 ' 28.8453 "
CH:7250	208615.865	3085415.583	27 ° 51 ' 42.3699 "	78 ° 2 ' 27.4507 "
CH:7300	208578.478	3085448.783	27 ° 51 ' 43.418 "	78 ° 2 ' 26.0561 "
CH:7350	208541.091	3085481.982	27 ° 51 ' 44.466 "	78 ° 2 ' 24.6614 "
CH:7400	208503.704	3085515.182	27 ° 51 ' 45.5141 "	78 ° 2 ' 23.2668 "
CH:7450	208466.317	3085548.381	27 ° 51 ' 46.5622 "	78 ° 2 ' 21.8722 "
CH:7500	208428.93	3085581.581	27 ° 51 ' 47.6102 "	78 ° 2 ' 20.4775 "
CH:7550	208391.543	3085614.78	27 ° 51 ' 48.6582 "	78 ° 2 ' 19.0829 "
CH:7600	208354.156	3085647.98	27 ° 51 ' 49.7063 "	78 ° 2 ' 17.6882 "
CH:7650	208316.769	3085681.18	27 ° 51 ' 50.7543 "	78 ° 2 ' 16.2935 "
CH:7700	208279.382	3085714.379	27 ° 51 ' 51.8024 "	78 ° 2 ' 14.8989 "
CH:7750	208241.995	3085747.579	27 ° 51 ' 52.8504 "	78 ° 2 ' 13.5042 "
CH:7800	208204.608	3085780.778	27 ° 51 ' 53.8984 "	78 ° 2 ' 12.1095 "
CH:7850	208167.221	3085813.978	27 ° 51 ' 54.9464 "	78 ° 2 ' 10.7148 "
CH:7900	208129.834	3085847.177	27 ° 51 ' 55.9944 "	78 ° 2 ' 9.3201 "
CH:7950	208092.446	3085880.377	27 ° 51 ' 57.0424 "	78 ° 2 ' 7.9253 "
CH:8000	208055.059	3085913.576	27 ° 51 ' 58.0904 "	78 ° 2 ' 6.5306 "
CH:8050	208017.672	3085946.776	27 ° 51 ' 59.1384 "	78 ° 2 ' 5.1359 "
CH:8100	207980.285	3085979.976	27 ° 52 ' 0.1865 "	78 ° 2 ' 3.7412 "
CH:8150	207942.898	3086013.175	27 ° 52 ' 1.2344 "	78 ° 2 ' 2.3464 "
CH:8200	207905.511	3086046.375	27 ° 52 ' 2.2824 "	78 ° 2 ' 0.9517 "
CH:8250	207868.124	3086079.574	27 ° 52 ' 3.3304 "	78 ° 1 ' 59.5569 "
CH:8300	207830.737	3086112.774	27 ° 52 ' 4.3784 "	78 ° 1 ' 58.1621 "
CH:8350	207793.35	3086145.973	27 ° 52 ' 5.4263 "	78 ° 1 ' 56.7674 "
CH:8400	207755.963	3086179.173	27 ° 52 ' 6.4743 "	78 ° 1 ' 55.3726 "
CH:8450	207718.576	3086212.373	27 ° 52 ' 7.5223 "	78 ° 1 ' 53.9778 "
CH:8500	207681.189	3086245.572	27 ° 52 ' 8.5702 "	78 ° 1 ' 52.583 "
CH:8550	207643.802	3086278.772	27 ° 52 ' 9.6182 "	78 ° 1 ' 51.1882 "
CH:8600	207606.415	3086311.971	27 ° 52 ' 10.6661 "	78 ° 1 ' 49.7934 "
CH:8650	207569.028	3086345.171	27 ° 52 ' 11.7141 "	78 ° 1 ' 48.3986 "
CH:8700	207531.641	3086378.37	27 ° 52 ' 12.762 "	78 ° 1 ' 47.0038 "
CH:8750	207494.254	3086411.57	27 ° 52 ' 13.8099 "	78 ° 1 ' 45.6089 "
CH:8800	207456.867	3086444.769	27 ° 52 ' 14.8579 "	78 ° 1 ' 44.2141 "
CH:8850	207419.48	3086477.969	27 ° 52 ' 15.9058 "	78 ° 1 ' 42.8192 "
CH:8900	207382.093	3086511.169	27 ° 52 ' 16.9537 "	78 ° 1 ' 41.4244 "
CH:8950	207344.706	3086544.368	27 ° 52 ' 18.0016 "	78 ° 1 ' 40.0295 "

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CH:9000	207307.319	3086577.568	27 ° 52 ' 19.0496 "	78 ° 1 ' 38.6347 "
CH:9050	207269.932	3086610.767	27 ° 52 ' 20.0974 "	78 ° 1 ' 37.2398 "
CH:9100	207232.545	3086643.967	27 ° 52 ' 21.1454 "	78 ° 1 ' 35.8449 "
CH:9150	207195.158	3086677.166	27 ° 52 ' 22.1932 "	78 ° 1 ' 34.45 "
CH:9200	207157.771	3086710.366	27 ° 52 ' 23.2411 "	78 ° 1 ' 33.0551 "
CH:9250	207120.384	3086743.566	27 ° 52 ' 24.289 "	78 ° 1 ' 31.6602 "
CH:9300	207082.997	3086776.765	27 ° 52 ' 25.3369 "	78 ° 1 ' 30.2653 "
CH:9350	207045.61	3086809.965	27 ° 52 ' 26.3848 "	78 ° 1 ' 28.8704 "
CH:9400	207008.223	3086843.164	27 ° 52 ' 27.4327 "	78 ° 1 ' 27.4755 "
CH:9450	206970.836	3086876.364	27 ° 52 ' 28.4805 "	78 ° 1 ' 26.0805 "
CH:9500	206933.449	3086909.563	27 ° 52 ' 29.5284 "	78 ° 1 ' 24.6856 "
CH:9550	206896.062	3086942.763	27 ° 52 ' 30.5763 "	78 ° 1 ' 23.2906 "
CH:9600	206858.675	3086975.962	27 ° 52 ' 31.6241 "	78 ° 1 ' 21.8957 "
CH:9650	206821.288	3087009.162	27 ° 52 ' 32.672 "	78 ° 1 ' 20.5007 "
CH:9700	206783.901	3087042.362	27 ° 52 ' 33.7198 "	78 ° 1 ' 19.1058 "
CH:9750	206746.514	3087075.561	27 ° 52 ' 34.7677 "	78 ° 1 ' 17.7108 "
CH:9800	206709.127	3087108.761	27 ° 52 ' 35.8155 "	78 ° 1 ' 16.3158 "
CH:9850	206671.74	3087141.96	27 ° 52 ' 36.8633 "	78 ° 1 ' 14.9208 "
CH:9900	206634.353	3087175.16	27 ° 52 ' 37.9112 "	78 ° 1 ' 13.5258 "
CH:9950	206596.966	3087208.359	27 ° 52 ' 38.959 "	78 ° 1 ' 12.1308 "
CH:10000	206559.579	3087241.559	27 ° 52 ' 40.0068 "	78 ° 1 ' 10.7358 "
CH:10050	206522.192	3087274.759	27 ° 52 ' 41.0546 "	78 ° 1 ' 9.3408 "
CH:10100	206484.805	3087307.958	27 ° 52 ' 42.1024 "	78 ° 1 ' 7.9457 "
CH:10150	206447.418	3087341.158	27 ° 52 ' 43.1502 "	78 ° 1 ' 6.5507 "
CH:10200	206410.031	3087374.357	27 ° 52 ' 44.198 "	78 ° 1 ' 5.1556 "
CH:10250	206372.644	3087407.557	27 ° 52 ' 45.2458 "	78 ° 1 ' 3.7606 "
CH:10300	206335.257	3087440.756	27 ° 52 ' 46.2936 "	78 ° 1 ' 2.3655 "
CH:10350	206297.87	3087473.956	27 ° 52 ' 47.3414 "	78 ° 1 ' 0.9705 "
CH:10400	206260.483	3087507.155	27 ° 52 ' 48.3892 "	78 ° 0 ' 59.5754 "
CH:10450	206223.096	3087540.355	27 ° 52 ' 49.437 "	78 ° 0 ' 58.1803 "
CH:10500	206185.709	3087573.555	27 ° 52 ' 50.4848 "	78 ° 0 ' 56.7852 "
CH:10550	206148.322	3087606.754	27 ° 52 ' 51.5325 "	78 ° 0 ' 55.3901 "
CH:10600	206110.936	3087639.955	27 ° 52 ' 52.5803 "	78 ° 0 ' 53.9951 "
CH:10650	206073.909	3087673.553	27 ° 52 ' 53.6413 "	78 ° 0 ' 52.6127 "
CH:10700	206038.396	3087708.739	27 ° 52 ' 54.755 "	78 ° 0 ' 51.2843 "
CH:10750	206005.004	3087745.948	27 ° 52 ' 55.9361 "	78 ° 0 ' 50.0315 "
CH:10800	205973.665	3087784.896	27 ° 52 ' 57.1752 "	78 ° 0 ' 48.8522 "
CH:10850	205944.831	3087825.737	27 ° 52 ' 58.4777 "	78 ° 0 ' 47.7626 "
CH:10900	205918.175	3087868.033	27 ° 52 ' 59.8292 "	78 ° 0 ' 46.7513 "
CH:10950	205894.022	3087911.801	27 ° 53 ' 1.2305 "	78 ° 0 ' 45.8301 "
CH:11000	205870.968	3087956.168	27 ° 53 ' 2.652 "	78 ° 0 ' 44.9485 "
CH:11050	205848.188	3088000.678	27 ° 53 ' 4.0785 "	78 ° 0 ' 44.0768 "
CH:11100	205825.408	3088045.187	27 ° 53 ' 5.5048 "	78 ° 0 ' 43.205 "
CH:11150	205802.628	3088089.696	27 ° 53 ' 6.9312 "	78 ° 0 ' 42.3333 "
CH:11200	205779.848	3088134.205	27 ° 53 ' 8.3576 "	78 ° 0 ' 41.4615 "

ALIGARH DETOUR CO-ORDINATE TO 19 KM				
CHAINAGE	EASTING	NORTHING	LATITUDE	LONGITUDE
CH:11250	205757.068	3088178.714	27 ° 53 ' 9.784 "	78 ° 0 ' 40.5898 "
CH:11300	205734.288	3088223.224	27 ° 53 ' 11.2104 "	78 ° 0 ' 39.718 "
CH:11350	205711.508	3088267.733	27 ° 53 ' 12.6368 "	78 ° 0 ' 38.8462 "
CH:11400	205688.728	3088312.242	27 ° 53 ' 14.0632 "	78 ° 0 ' 37.9745 "
CH:11450	205665.948	3088356.751	27 ° 53 ' 15.4895 "	78 ° 0 ' 37.1027 "
CH:11500	205643.168	3088401.261	27 ° 53 ' 16.9159 "	78 ° 0 ' 36.2309 "
CH:11550	205620.388	3088445.77	27 ° 53 ' 18.3423 "	78 ° 0 ' 35.3591 "
CH:11600	205597.608	3088490.279	27 ° 53 ' 19.7687 "	78 ° 0 ' 34.4873 "
CH:11650	205574.828	3088534.788	27 ° 53 ' 21.195 "	78 ° 0 ' 33.6155 "
CH:11700	205552.096	3088579.322	27 ° 53 ' 22.6222 "	78 ° 0 ' 32.7454 "
CH:11750	205530.481	3088624.403	27 ° 53 ' 24.0681 "	78 ° 0 ' 31.9156 "
CH:11800	205511.712	3088670.733	27 ° 53 ' 25.5567 "	78 ° 0 ' 31.1887 "
CH:11850	205496.591	3088718.379	27 ° 53 ' 27.091 "	78 ° 0 ' 30.5938 "
CH:11900	205485.035	3088767.015	27 ° 53 ' 28.6602 "	78 ° 0 ' 30.1283 "
CH:11950	205476.838	3088816.328	27 ° 53 ' 30.2541 "	78 ° 0 ' 29.7848 "
CH:12000	205472.034	3088866.087	27 ° 53 ' 31.8652 "	78 ° 0 ' 29.5649 "
CH:12050	205470.645	3088916.058	27 ° 53 ' 33.4858 "	78 ° 0 ' 29.4695 "
CH:12100	205472.795	3088965.999	27 ° 53 ' 35.1084 "	78 ° 0 ' 29.5035 "
CH:12150	205478.616	3089015.649	27 ° 53 ' 36.7243 "	78 ° 0 ' 29.6717 "
CH:12200	205486.538	3089065.016	27 ° 53 ' 38.3328 "	78 ° 0 ' 29.917 "
CH:12250	205494.726	3089114.341	27 ° 53 ' 39.9401 "	78 ° 0 ' 30.1721 "
CH:12300	205502.913	3089163.666	27 ° 53 ' 41.5475 "	78 ° 0 ' 30.4271 "
CH:12350	205511.101	3089212.992	27 ° 53 ' 43.1548 "	78 ° 0 ' 30.6821 "
CH:12400	205519.288	3089262.317	27 ° 53 ' 44.7622 "	78 ° 0 ' 30.9371 "
CH:12450	205527.476	3089311.642	27 ° 53 ' 46.3695 "	78 ° 0 ' 31.1922 "
CH:12500	205535.664	3089360.967	27 ° 53 ' 47.9768 "	78 ° 0 ' 31.4472 "
CH:12550	205543.851	3089410.292	27 ° 53 ' 49.5841 "	78 ° 0 ' 31.7022 "
CH:12600	205552.039	3089459.617	27 ° 53 ' 51.1915 "	78 ° 0 ' 31.9573 "
CH:12650	205560.226	3089508.942	27 ° 53 ' 52.7988 "	78 ° 0 ' 32.2123 "
CH:12700	205568.414	3089558.267	27 ° 53 ' 54.4061 "	78 ° 0 ' 32.4674 "
CH:12750	205576.602	3089607.592	27 ° 53 ' 56.0134 "	78 ° 0 ' 32.7224 "
CH:12800	205584.789	3089656.917	27 ° 53 ' 57.6208 "	78 ° 0 ' 32.9774 "
CH:12850	205592.977	3089706.242	27 ° 53 ' 59.2281 "	78 ° 0 ' 33.2325 "
CH:12900	205601.165	3089755.567	27 ° 54 ' 0.8354 "	78 ° 0 ' 33.4876 "
CH:12950	205609.352	3089804.892	27 ° 54 ' 2.4427 "	78 ° 0 ' 33.7426 "
CH:13000	205617.54	3089854.218	27 ° 54 ' 4.0501 "	78 ° 0 ' 33.9976 "
CH:13050	205625.727	3089903.543	27 ° 54 ' 5.6574 "	78 ° 0 ' 34.2527 "
CH:13100	205633.915	3089952.868	27 ° 54 ' 7.2648 "	78 ° 0 ' 34.5077 "
CH:13150	205642.103	3090002.193	27 ° 54 ' 8.8721 "	78 ° 0 ' 34.7628 "
CH:13200	205650.29	3090051.518	27 ° 54 ' 10.4794 "	78 ° 0 ' 35.0178 "
CH:13250	205658.478	3090100.843	27 ° 54 ' 12.0867 "	78 ° 0 ' 35.2729 "
CH:13300	205666.665	3090150.168	27 ° 54 ' 13.6941 "	78 ° 0 ' 35.5279 "
CH:13350	205674.853	3090199.493	27 ° 54 ' 15.3014 "	78 ° 0 ' 35.783 "
CH:13400	205683.041	3090248.818	27 ° 54 ' 16.9087 "	78 ° 0 ' 36.0381 "
CH:13450	205691.228	3090298.143	27 ° 54 ' 18.516 "	78 ° 0 ' 36.2931 "

ALIGARH DETOUR CO-ORDINATE TO 19 KM				
CHAINAGE	EASTING	NORTHING	LATITUDE	LONGITUDE
CH:13500	205699.416	3090347.468	27 ° 54 ' 20.1234 "	78 ° 0 ' 36.5482 "
CH:13550	205707.603	3090396.793	27 ° 54 ' 21.7307 "	78 ° 0 ' 36.8032 "
CH:13600	205715.791	3090446.118	27 ° 54 ' 23.338 "	78 ° 0 ' 37.0583 "
CH:13650	205723.979	3090495.444	27 ° 54 ' 24.9454 "	78 ° 0 ' 37.3134 "
CH:13700	205732.166	3090544.769	27 ° 54 ' 26.5527 "	78 ° 0 ' 37.5685 "
CH:13750	205740.354	3090594.094	27 ° 54 ' 28.16 "	78 ° 0 ' 37.8235 "
CH:13800	205748.541	3090643.419	27 ° 54 ' 29.7673 "	78 ° 0 ' 38.0786 "
CH:13850	205756.729	3090692.744	27 ° 54 ' 31.3747 "	78 ° 0 ' 38.3337 "
CH:13900	205764.917	3090742.069	27 ° 54 ' 32.982 "	78 ° 0 ' 38.5888 "
CH:13950	205773.104	3090791.394	27 ° 54 ' 34.5893 "	78 ° 0 ' 38.8438 "
CH:14000	205781.292	3090840.719	27 ° 54 ' 36.1966 "	78 ° 0 ' 39.0989 "
CH:14050	205789.479	3090890.044	27 ° 54 ' 37.804 "	78 ° 0 ' 39.354 "
CH:14100	205797.667	3090939.369	27 ° 54 ' 39.4113 "	78 ° 0 ' 39.6091 "
CH:14150	205805.855	3090988.694	27 ° 54 ' 41.0186 "	78 ° 0 ' 39.8642 "
CH:14200	205814.042	3091038.019	27 ° 54 ' 42.6259 "	78 ° 0 ' 40.1192 "
CH:14250	205822.23	3091087.344	27 ° 54 ' 44.2333 "	78 ° 0 ' 40.3743 "
CH:14300	205830.417	3091136.67	27 ° 54 ' 45.8406 "	78 ° 0 ' 40.6294 "
CH:14350	205838.605	3091185.995	27 ° 54 ' 47.4479 "	78 ° 0 ' 40.8845 "
CH:14400	205846.793	3091235.32	27 ° 54 ' 49.0553 "	78 ° 0 ' 41.1396 "
CH:14450	205854.98	3091284.645	27 ° 54 ' 50.6626 "	78 ° 0 ' 41.3947 "
CH:14500	205863.168	3091333.97	27 ° 54 ' 52.2699 "	78 ° 0 ' 41.6498 "
CH:14550	205871.355	3091383.295	27 ° 54 ' 53.8772 "	78 ° 0 ' 41.9048 "
CH:14600	205879.543	3091432.62	27 ° 54 ' 55.4846 "	78 ° 0 ' 42.16 "
CH:14650	205887.731	3091481.945	27 ° 54 ' 57.0919 "	78 ° 0 ' 42.4151 "
CH:14700	205895.918	3091531.27	27 ° 54 ' 58.6992 "	78 ° 0 ' 42.6701 "
CH:14750	205904.106	3091580.595	27 ° 55 ' 0.3065 "	78 ° 0 ' 42.9253 "
CH:14800	205912.293	3091629.92	27 ° 55 ' 1.9138 "	78 ° 0 ' 43.1803 "
CH:14850	205920.481	3091679.245	27 ° 55 ' 3.5212 "	78 ° 0 ' 43.4355 "
CH:14900	205928.669	3091728.57	27 ° 55 ' 5.1285 "	78 ° 0 ' 43.6906 "
CH:14950	205936.856	3091777.896	27 ° 55 ' 6.7359 "	78 ° 0 ' 43.9457 "
CH:15000	205945.044	3091827.221	27 ° 55 ' 8.3432 "	78 ° 0 ' 44.2008 "
CH:15050	205953.231	3091876.546	27 ° 55 ' 9.9505 "	78 ° 0 ' 44.4559 "
CH:15100	205961.419	3091925.871	27 ° 55 ' 11.5578 "	78 ° 0 ' 44.711 "
CH:15150	205969.607	3091975.196	27 ° 55 ' 13.1651 "	78 ° 0 ' 44.9661 "
CH:15200	205977.794	3092024.521	27 ° 55 ' 14.7725 "	78 ° 0 ' 45.2212 "
CH:15250	205985.982	3092073.846	27 ° 55 ' 16.3798 "	78 ° 0 ' 45.4763 "
CH:15300	205994.169	3092123.171	27 ° 55 ' 17.9871 "	78 ° 0 ' 45.7314 "
CH:15350	206002.357	3092172.496	27 ° 55 ' 19.5944 "	78 ° 0 ' 45.9866 "
CH:15400	206010.545	3092221.821	27 ° 55 ' 21.2018 "	78 ° 0 ' 46.2417 "
CH:15450	206018.732	3092271.146	27 ° 55 ' 22.8091 "	78 ° 0 ' 46.4968 "
CH:15500	206026.92	3092320.471	27 ° 55 ' 24.4164 "	78 ° 0 ' 46.7519 "
CH:15550	206035.108	3092369.796	27 ° 55 ' 26.0237 "	78 ° 0 ' 47.0071 "
CH:15600	206043.295	3092419.122	27 ° 55 ' 27.6311 "	78 ° 0 ' 47.2622 "
CH:15650	206051.483	3092468.447	27 ° 55 ' 29.2384 "	78 ° 0 ' 47.5173 "
CH:15700	206059.67	3092517.772	27 ° 55 ' 30.8457 "	78 ° 0 ' 47.7724 "

ALIGARH DETOUR CO-ORDINATE TO 19 KM				
CHAINAGE	EASTING	NORTHING	LATITUDE	LONGITUDE
CH:15750	206067.858	3092567.097	27 ° 55 ' 32.453 "	78 ° 0 ' 48.0276 "
CH:15800	206076.046	3092616.422	27 ° 55 ' 34.0604 "	78 ° 0 ' 48.2827 "
CH:15850	206084.108	3092665.767	27 ° 55 ' 35.6682 "	78 ° 0 ' 48.5332 "
CH:15900	206091.003	3092715.287	27 ° 55 ' 37.2809 "	78 ° 0 ' 48.741 "
CH:15950	206096.022	3092765.031	27 ° 55 ' 38.8993 "	78 ° 0 ' 48.8799 "
CH:16000	206099.131	3092814.932	27 ° 55 ' 40.5212 "	78 ° 0 ' 48.949 "
CH:16050	206100.526	3092864.91	27 ° 55 ' 42.1443 "	78 ° 0 ' 48.9553 "
CH:16100	206100.241	3092914.907	27 ° 55 ' 43.7667 "	78 ° 0 ' 48.9003 "
CH:16150	206098.276	3092964.866	27 ° 55 ' 45.3865 "	78 ° 0 ' 48.7839 "
CH:16200	206094.516	3093014.721	27 ° 55 ' 47.0015 "	78 ° 0 ' 48.602 "
CH:16250	206088.881	3093064.4	27 ° 55 ' 48.6093 "	78 ° 0 ' 48.3517 "
CH:16300	206081.377	3093113.831	27 ° 55 ' 50.2076 "	78 ° 0 ' 48.0334 "
CH:16350	206072.037	3093162.948	27 ° 55 ' 51.7942 "	78 ° 0 ' 47.6482 "
CH:16400	206060.997	3093211.711	27 ° 55 ' 53.368 "	78 ° 0 ' 47.2012 "
CH:16450	206048.295	3093260.068	27 ° 55 ' 54.9273 "	78 ° 0 ' 46.6939 "
CH:16500	206033.944	3093307.962	27 ° 55 ' 56.4702 "	78 ° 0 ' 46.1267 "
CH:16550	206017.963	3093355.336	27 ° 55 ' 57.9949 "	78 ° 0 ' 45.5004 "
CH:16600	206000.329	3093402.121	27 ° 55 ' 59.4993 "	78 ° 0 ' 44.8142 "
CH:16650	205982.064	3093448.666	27 ° 56 ' 0.9953 "	78 ° 0 ' 44.1052 "
CH:16700	205963.795	3093495.208	27 ° 56 ' 2.4912 "	78 ° 0 ' 43.3961 "
CH:16750	205945.525	3093541.751	27 ° 56 ' 3.9871 "	78 ° 0 ' 42.6868 "
CH:16800	205927.256	3093588.294	27 ° 56 ' 5.4831 "	78 ° 0 ' 41.9777 "
CH:16850	205908.987	3093634.837	27 ° 56 ' 6.9791 "	78 ° 0 ' 41.2685 "
CH:16900	205890.717	3093681.38	27 ° 56 ' 8.475 "	78 ° 0 ' 40.5592 "
CH:16950	205872.448	3093727.922	27 ° 56 ' 9.9709 "	78 ° 0 ' 39.85 "
CH:17000	205854.179	3093774.465	27 ° 56 ' 11.4669 "	78 ° 0 ' 39.1408 "
CH:17050	205835.909	3093821.008	27 ° 56 ' 12.9628 "	78 ° 0 ' 38.4316 "
CH:17100	205817.64	3093867.551	27 ° 56 ' 14.4587 "	78 ° 0 ' 37.7224 "
CH:17150	205799.37	3093914.093	27 ° 56 ' 15.9546 "	78 ° 0 ' 37.0131 "
CH:17200	205781.101	3093960.636	27 ° 56 ' 17.4506 "	78 ° 0 ' 36.3039 "
CH:17250	205762.832	3094007.179	27 ° 56 ' 18.9465 "	78 ° 0 ' 35.5946 "
CH:17300	205744.562	3094053.722	27 ° 56 ' 20.4425 "	78 ° 0 ' 34.8854 "
CH:17350	205726.293	3094100.265	27 ° 56 ' 21.9384 "	78 ° 0 ' 34.1761 "
CH:17400	205708.024	3094146.807	27 ° 56 ' 23.4343 "	78 ° 0 ' 33.4669 "
CH:17450	205689.754	3094193.35	27 ° 56 ' 24.9302 "	78 ° 0 ' 32.7576 "
CH:17500	205671.485	3094239.893	27 ° 56 ' 26.4262 "	78 ° 0 ' 32.0483 "
CH:17550	205653.215	3094286.436	27 ° 56 ' 27.9221 "	78 ° 0 ' 31.339 "
CH:17600	205634.946	3094332.978	27 ° 56 ' 29.418 "	78 ° 0 ' 30.6297 "
CH:17650	205616.677	3094379.521	27 ° 56 ' 30.9139 "	78 ° 0 ' 29.9204 "
CH:17700	205598.407	3094426.064	27 ° 56 ' 32.4098 "	78 ° 0 ' 29.2111 "
CH:17750	205580.138	3094472.607	27 ° 56 ' 33.9057 "	78 ° 0 ' 28.5018 "
CH:17800	205561.869	3094519.15	27 ° 56 ' 35.4017 "	78 ° 0 ' 27.7925 "
CH:17850	205543.599	3094565.692	27 ° 56 ' 36.8976 "	78 ° 0 ' 27.0832 "
CH:17900	205525.33	3094612.235	27 ° 56 ' 38.3935 "	78 ° 0 ' 26.3739 "
CH:17950	205507.06	3094658.778	27 ° 56 ' 39.8894 "	78 ° 0 ' 25.6645 "

ALIGARH DETOUR CO-ORDINATE TO 19 KM				
CHAINAGE	EASTING	NORTHING	LATITUDE	LONGITUDE
CH:18000	205488.791	3094705.321	27 ° 56 ' 41.3853 "	78 ° 0 ' 24.9552 "
CH:18050	205470.522	3094751.863	27 ° 56 ' 42.8812 "	78 ° 0 ' 24.2459 "
CH:18100	205452.252	3094798.406	27 ° 56 ' 44.3771 "	78 ° 0 ' 23.5365 "
CH:18150	205433.983	3094844.949	27 ° 56 ' 45.873 "	78 ° 0 ' 22.8271 "
CH:18200	205415.714	3094891.492	27 ° 56 ' 47.3689 "	78 ° 0 ' 22.1178 "
CH:18250	205397.444	3094938.035	27 ° 56 ' 48.8648 "	78 ° 0 ' 21.4084 "
CH:18300	205379.175	3094984.577	27 ° 56 ' 50.3607 "	78 ° 0 ' 20.6991 "
CH:18350	205360.905	3095031.12	27 ° 56 ' 51.8566 "	78 ° 0 ' 19.9897 "
CH:18400	205342.636	3095077.663	27 ° 56 ' 53.3525 "	78 ° 0 ' 19.2803 "
CH:18450	205324.367	3095124.206	27 ° 56 ' 54.8484 "	78 ° 0 ' 18.5709 "
CH:18500	205306.097	3095170.748	27 ° 56 ' 56.3443 "	78 ° 0 ' 17.8615 "
CH:18550	205287.828	3095217.291	27 ° 56 ' 57.8402 "	78 ° 0 ' 17.1521 "
CH:18600	205269.559	3095263.834	27 ° 56 ' 59.3361 "	78 ° 0 ' 16.4427 "
CH:18650	205251.289	3095310.377	27 ° 57 ' 0.8319 "	78 ° 0 ' 15.7333 "
CH:18700	205233.02	3095356.919	27 ° 57 ' 2.3278 "	78 ° 0 ' 15.0239 "
CH:18750	205214.665	3095403.428	27 ° 57 ' 3.8225 "	78 ° 0 ' 14.3113 "
CH:18800	205195.243	3095449.499	27 ° 57 ' 5.3022 "	78 ° 0 ' 13.5602 "
CH:18850	205174.051	3095494.783	27 ° 57 ' 6.7549 "	78 ° 0 ' 12.7451 "
CH:18900	205151.389	3095539.35	27 ° 57 ' 8.1831 "	78 ° 0 ' 11.8769 "
CH:18950	205127.196	3095583.104	27 ° 57 ' 9.5837 "	78 ° 0 ' 10.9534 "
CH:19000	205101.295	3095625.868	27 ° 57 ' 10.9509 "	78 ° 0 ' 9.9684 "