

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of August 2022

| Sl No | Name of Electricity Distribution Division | Feeder Voltage | Nos of Outages > 5 Min | Total Connected Load KW | Affected Load KW | SAIFI Calculation | | | | MAIFI Calculation | | | |
|-------|---|----------------|------------------------|-------------------------|------------------|------------------------------------|-----------|------------------------------------|------------|------------------------|------------------|------------------------------------|----------|
| | | | | | | $\sum A_i \times N_i$ for Division | SAIFI | $\sum B_i \times N_i$ for Division | SAIDI | Nos of Outages < 5 Min | Affected Load KW | $\sum C_i \times N_i$ for Division | MAIFI |
| | | | | | | | Nos. | | Min | | | | Nos. |
| 1 | Raipur Dehradun | 11 | 113 | 7239 | 7239 | 59185 | 8 | 952865 | 132 | 98 | 7239 | 26775 | 4 |
| 2 | Mohanpur | 11 | 60 | 5620 | 3091 | 185460 | 33 | 3675199 | 654 | 7 | 3091 | 21637 | 4 |
| 3 | Vikasnagar | 11 | 365 | 46556 | 37245 | 1963457 | 42 | 37397230 | 803 | 19 | 37245 | 122429 | 3 |
| 4 | Rishikesh | 11 | 923 | 49993 | 49993 | 1532930 | 31 | 21159156 | 423 | 16 | 49993 | 31840 | 1 |
| 5 | Uttarkashi | 11 | 64 | 8288 | 7619 | 103689 | 13 | 4023582 | 485 | 5 | 7619 | 5334 | 1 |
| 6 | Barkot | 11 | 30 | 2370 | 849 | 25470 | 11 | 348090 | 147 | 20 | 16980 | 7 | 0 |
| 7 | Doiwala | 11 | - | - | - | - | - | - | - | - | - | - | - |
| 8 | Dehradun (North) | 11 | 1657 | 3227 | 3227 | 117381 | 36 | 3107280 | 963 | 654 | 3227 | 63201 | 20 |
| 9 | Dehradun (South) | 11 | 1550 | 105580 | 105580 | 3172375 | 30 | 49071302 | 465 | 446 | 105580 | 979814 | 9 |
| 10 | Dehradun (Central) | 11 | 704 | 4189 | 4189 | 75876 | 18 | 1460435 | 349 | 484 | 4189 | 52790 | 13 |
| 11 | Srinagar | 11 | 304 | 18888 | 9444 | 303272 | 16 | 7803557 | 413 | 39 | 9444 | 52225 | 3 |
| 12 | Pauri | 11 | 199 | 16929 | 7725 | 271955 | 16 | 5990000 | 354 | 48 | 920 | 12960 | 1 |
| 13 | Tehri | 11 | 171 | 29942 | 29942 | 420454 | 14 | 23458090 | 783 | 457 | 29942 | 971301 | 32 |
| 14 | Gopeshwar | 11 | 438 | 4972 | 4972 | 278087 | 56 | 21477752 | 4320 | 74 | 4972 | 55238 | 11 |
| 15 | Narayanbagar | 11 | 141 | 2072 | 2072 | 145362 | 70 | 218511 | 105 | 10 | 2072 | 16072 | 8 |
| 16 | Gairsain | 11 | 308 | 10594 | 10594 | 641515 | 61 | 19398932 | 1831 | 59 | 10594 | 120850 | 11 |
| 17 | Kotdwar | 11 | 892 | 56803 | 46717 | 1701214 | 30 | 46757370 | 823 | 755 | 46717 | 1388514 | 24 |
| 18 | Rudraprayag | 11 | 212 | 4401 | 2864 | 109404 | 25 | 3562959 | 810 | 29 | 3091 | 14096 | 3 |
| 19 | Roorkee(Urban) | 11 | 1850 | 32850 | 32850 | 4340799 | 132 | 60969600 | 1856 | 93 | 32320 | 214605 | 7 |
| 20 | Roorkee(Rural) | 11 | 950 | 24045 | 16283 | 1933606 | 80 | 102725376 | 4272 | 110 | 16283 | 223891 | 9 |
| 21 | Ramnagar (Roorkee) | 11 | 489 | 20658 | 14207 | 578921 | 28 | 15737428 | 762 | 131 | 14207 | 155089 | 8 |
| 22 | Bhagwanpur | 11 | - | - | - | - | - | - | - | - | - | - | - |
| 23 | Haridwar(Urban) | 11 | 475 | 3405 | 2483 | 32352 | 10 | 559894 | 164 | 140 | 2483 | 11271 | 3 |
| 24 | Haridwar(Rural) | 11 | - | - | - | - | - | - | - | - | - | - | - |
| 25 | Jwalapur | 11 | 939 | 23646 | 20588 | 1007020 | 43 | 23694319 | 1002 | 17 | 20588 | 17774 | 1 |
| 26 | Laksar | 11 | 55 | 8450 | 8450 | 222330 | 26 | 5410980 | 640 | 30 | 8450 | 120080 | 14 |
| 27 | Hadwani (Urban) | 11 | 857 | 124318 | 16680 | 687852 | 6 | 14107571 | 113 | 157 | 124318 | 795229 | 6 |
| 28 | Haldwani (Rural) | 11 | 140 | 12054 | 7068 | 256629 | 21 | 7018207 | 582 | 47 | 7068 | 91638 | 8 |
| 29 | Nainital | 11 | 280 | 28001 | 22028 | 406475 | 15 | 17844060 | 637 | 131 | 22028 | 179856 | 6 |
| 30 | Ramnagar | 11 | 405 | 16959 | 5615 | 522655 | 31 | 9140065 | 539 | 163 | 5615 | 209905 | 12 |
| 31 | Kashipur | 11 | 698 | 39753 | 39753 | 2305483 | 58 | 113509816 | 2855 | 259 | 39753 | 869248 | 22 |
| 32 | Bazpur | 11 | 516 | 13975 | 13975 | 1189388 | 85 | 41196164 | 2948 | 87 | 13975 | 212340 | 15 |
| 33 | Jaspur | 11 | 109 | 11368 | 11368 | 313492 | 28 | 12460380 | 1096 | 20 | 11368 | 57206 | 5 |
| 34 | Rudrapur-I | 11 | 1837 | 44270 | 44270 | 4261090 | 96 | 104005788 | 2349 | 56 | 44270 | 119520 | 3 |
| 35 | Rudrapur-II | 11 | 794 | 36751 | 36751 | 1660406 | 45 | 30374072 | 826 | 27 | 36751 | 55734 | 2 |
| 36 | Sitraganj | 11 | 97 | 10898 | 5449 | 137327 | 13 | 5105555 | 468 | 0 | 5449 | 0 | 0 |
| 37 | Khatima | 11 | 344 | 12708 | 7370 | 511280 | 40 | 10596850 | 834 | 0 | 7370 | 0 | 0 |
| 38 | Almora | 11 | 608 | 6818 | 6818 | 406729 | 60 | 8180124 | 1200 | 90 | 6818 | 58355 | 9 |
| 39 | Bageshwar | 11 | 278 | 4176 | 4176 | 1160928 | 278 | 14190048 | 3398 | 33 | 4176 | 137808 | 33 |
| 40 | Ranikhet | 11 | 195 | 2478 | 2478 | 161927 | 65 | 1871063 | 755 | 74 | 2478 | 34949 | 14 |
| 41 | Bhikiyasain | 11 | - | - | - | - | - | - | - | - | - | - | - |
| 42 | Pithoragarh | 11 | 564 | 36958 | 12084 | 802636 | 22 | 14493554 | 392 | 57 | 9324 | 66252 | 2 |
| 43 | Dharchula | 11 | 166 | 10700 | 7538 | 224520 | 21 | 2912532 | 272 | 60 | 7538 | 15352 | 1 |
| 44 | Champawat | 11 | 194 | 12524 | 3854 | 121072 | 10 | 3578606 | 286 | 87 | 3854 | 66598 | 5 |
| | UPCL | 11 | 20971 | 915425 | 675497 | 34352003 | 38 | 869544361 | 950 | 5089 | 789398 | 7647783 | 8 |

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of August 2022

| Sl No | Name of Electricity Distribution Division | Feeder Voltage | Nos of Outages > 5 Min | Total Connected Load KW | Affected Load KW | SAIFI Calculation | | | | MAIFI Calculation | | | |
|-------|---|----------------|------------------------|-------------------------|------------------|------------------------------------|-----------|------------------------------------|-------------|------------------------|------------------|------------------------------------|-----------|
| | | | | | | $\sum A_i \times N_i$ for Division | SAIFI | $\sum B_i \times N_i$ for Division | SAIDI | Nos of Outages < 5 Min | Affected Load KW | $\sum C_i \times N_i$ for Division | MAIFI |
| | | | | | | | Nos. | | Min | | | | Nos. |
| | | KV | | KW | | | | | | | | | |
| 1 | Raipur Dehradun | 11 | 700 | 41049 | 41049 | 1562106 | 38 | 22973983 | 560 | 392 | 41049 | 562222 | 14 |
| 2 | Mohanpur | 11 | 878 | 43895 | 28127 | 1920072 | 44 | 40983534 | 934 | 491 | 28127 | 1026836 | 23 |
| 3 | Vikasnagar | 11 | 1295 | 119431 | 95545 | 4847842 | 41 | 79587012 | 666 | 33 | 95545 | 217271 | 2 |
| 4 | Rishikesh | 11 | - | - | - | - | - | - | - | - | - | - | - |
| 5 | Uttarkashi | 11 | 333 | 19948 | 18048 | 337325 | 17 | 9314035 | 467 | 16 | 18048 | 17027 | 1 |
| 6 | Barkot | 11 | 589 | 24419 | 20198 | 515465 | 21 | 6836726 | 280 | 654 | 20198 | 582257 | 24 |
| 7 | Doiwala | 11 | 461 | 18979 | 18979 | 545135 | 29 | 12945686 | 682 | 75 | 18979 | 103197 | 5 |
| 8 | Dehradun (North) | 11 | - | - | - | - | - | - | - | - | - | - | - |
| 9 | Dehradun (South) | 11 | - | - | - | - | - | - | - | - | - | - | - |
| 10 | Dehradun (Central) | 11 | - | - | - | - | - | - | - | - | - | - | - |
| 11 | Srinagar | 11 | 2648 | 52716 | 26358 | 1588078 | 30 | 46102539 | 875 | 538 | 26358 | 409890 | 8 |
| 12 | Pauri | 11 | 1064 | 69314 | 17940 | 1056029 | 15 | 19901090 | 287 | 411 | 4375 | 106230 | 2 |
| 13 | Tehri | 11 | 1268 | 108600 | 108600 | 2315450 | 21 | 199223365 | 1834 | 1603 | 108600 | 2826461 | 26 |
| 14 | Gopeshwar | 11 | 1058 | 6769 | 6769 | 499105 | 74 | 40270538 | 5949 | 297 | 6769 | 163238 | 24 |
| 15 | Narayanbagar | 11 | 1019 | 10044 | 10044 | 1179544 | 117 | 1924764 | 192 | 105 | 10044 | 126416 | 13 |
| 16 | Gairsain | 11 | 1170 | 22574 | 22574 | 1233436 | 55 | 56760406 | 2514 | 202 | 22574 | 245246 | 11 |
| 17 | Kotdwar | 11 | 3545 | 53146 | 18205 | 1794477 | 34 | 33863977 | 637 | 1077 | 18205 | 785026 | 15 |
| 18 | Rudraprayag | 11 | 1280 | 12040 | 8427 | 589209 | 49 | 33444773 | 2778 | 184 | 8427 | 78707 | 7 |
| 19 | Roorkee(Urban) | 11 | 1940 | 26200 | 26200 | 2420356 | 92 | 106503000 | 4065 | 430 | 26200 | 536314 | 20 |
| 20 | Roorkee(Rural) | 11 | 4353 | 102130 | 61641 | 7891861 | 77 | 458654364 | 4491 | 629 | 61641 | 1140359 | 11 |
| 21 | Ramnagar (Roorkee) | 11 | 831 | 29098 | 19863 | 1100410 | 38 | 39136731 | 1345 | 338 | 19863 | 447580 | 15 |
| 22 | Bhagwanpur | 11 | 2582 | 4029 | 4029 | 236429 | 59 | 10765580 | 2672 | 411 | 4029 | 37635 | 9 |
| 23 | Haridwar(Urban) | 11 | 626 | 307 | 241 | 28608 | 93 | 567895 | 1850 | 164 | 241 | 7804 | 25 |
| 24 | Haridwar(Rural) | 11 | 181 | 9963 | 9057 | 204915 | 21 | 5273438 | 529 | 74 | 9057 | 83777 | 8 |
| 25 | Jwalapur | 11 | 1521 | 29807 | 21250 | 1503766 | 50 | 46621600 | 1564 | 58 | 21250 | 38967 | 1 |
| 26 | Laksar | 11 | 1399 | 119247 | 119247 | 10836175 | 91 | 531364632 | 4456 | 324 | 119247 | 1986041 | 17 |
| 27 | Hadwani (Urban) | 11 | 268 | 9100 | 1814 | 168420 | 19 | 3304912 | 363 | 110 | 9100 | 387686 | 43 |
| 28 | Hadwani (Rural) | 11 | 2212 | 254510 | 138182 | 4961253 | 19 | 101778976 | 400 | 938 | 138182 | 2241244 | 9 |
| 29 | Nainital | 11 | 365 | 47494 | 17120 | 227993 | 5 | 16899507 | 356 | 330 | 17120 | 208758 | 4 |
| 30 | Ramnagar | 11 | 1398 | 29448 | 16411 | 1081556 | 37 | 29991201 | 1018 | 628 | 16411 | 528178 | 18 |
| 31 | Kashipur | 11 | 1943 | 55894 | 55894 | 3577470 | 64 | 137778710 | 2465 | 791 | 55894 | 1294488 | 23 |
| 32 | Bazpur | 11 | 2629 | 39878 | 39875 | 5141055 | 129 | 167048942 | 4189 | 265 | 39875 | 658910 | 17 |
| 33 | Jaspur | 11 | 975 | 33024 | 31456 | 1952931 | 59 | 90211488 | 2732 | 421 | 31456 | 842154 | 26 |
| 34 | Rudrapur-I | 11 | 2070 | 81837 | 81837 | 9606583 | 117 | 301078323 | 3679 | 80 | 81837 | 245366 | 3 |
| 35 | Rudrapur-II | 11 | 2045 | 42191 | 42191 | 4289808 | 102 | 132440814 | 3139 | 38 | 42191 | 80092 | 2 |
| 36 | Sitraganj | 11 | 863 | 48179 | 24089 | 1209215 | 25 | 81343177 | 1688 | 0 | 24089 | 0 | 0 |
| 37 | Khatima | 11 | 1001 | 48492 | 19674 | 1347262 | 28 | 48248848 | 995 | 0 | 19674 | 0 | 0 |
| 38 | Almora | 11 | 2079 | 10687 | 10687 | 803088 | 75 | 17463929 | 1634 | 438 | 10687 | 182285 | 17 |
| 39 | Bageshwar | 11 | 5626 | 42919 | 42919 | 10421075 | 243 | 184288855 | 4294 | 570 | 42919 | 1100572 | 26 |
| 40 | Ranikhet | 11 | 1593 | 10331 | 10331 | 681485 | 66 | 15352406 | 1486 | 550 | 10331 | 241828 | 23 |
| 41 | Bhikiyasain | 11 | 1271 | 9046 | 9046 | 407596 | 45 | 8898229 | 984 | 418 | 9046 | 151377 | 17 |
| 42 | Pithoragarh | 11 | 2902 | 57166 | 25879 | 1629985 | 29 | 38182237 | 668 | 521 | 20141 | 252852 | 4 |
| 43 | Dharchula | 11 | 725 | 22730 | 13250 | 502232 | 22 | 9332122 | 411 | 268 | 13250 | 47315 | 2 |
| 44 | Champawat | 11 | 839 | 28937 | 9022 | 396804 | 14 | 8011520 | 277 | 671 | 9022 | 329990 | 11 |
| | UPCL | 11 | 61545 | 1795568 | 1292068 | 92611603 | 52 | 3194673864 | 1779 | 15543 | 1280051 | 20321593 | 11 |