

MONTHLY REPORT

ON

PROJECT SARTHI

MANAGEMENT AND TECHNICAL SERVICES

FOR

UTTAR PRADESH DISCOMS

FOR THE MONTH

OF

Mar'2022

(Based on Feb'2022 Billing Master Data)

Prepared & Submitted by: REC Power Distribution Company Limited

Table of Contents

| | |
|--|-----------|
| Focused Energy Audit for Identification of High Loss Feeders | 2 |
| Feeder Wise Analysis for Key Commercial Parameters to reduce AT&C Losses..... | 6 |
| Consumer Tagging Status..... | 16 |
| Substation AT&C Losses..... | 17 |
| Facilitation to HV Cell | 18 |
| Low Consumption Analysis | 21 |
| Line Loss Analysis of 33kV Independent Feeders | 22 |
| Exceptions on Feeder Input Energy Portal | 23 |
| Critical Parameter Dashboard | 24 |
| DT Auditing | 25 |
| Activities carried out at Uppcl Discoms | 26 |
| REVIEW MEETING STATUS: Uppcl and its Discoms Level | 31 |

FOCUSED ENERGY AUDIT FOR IDENTIFICATION OF HIGH LOSS FEEDERS

Energy Audit for Urban Feeders of all zones of UPPCL DISCOMs

Feeder wise Energy Audit conducted for 100% feeders where matching data was provided/available. Based on the data provided for Feb'22, Energy Audit for following Urban Feeders conducted in Mar'22

| Table 1: Feeder wise Energy Audit Status (Urban)- Progress: Mar'2022 (feeder audited for the month of Feb'2022): Monthly AT&C MIS: Feb'22 | | | | | | | | |
|--|--------------|---------------------|--------------------------------|----------------------------------|-----------------------------|----------------------------|----------------------|------------------|
| DISCOM | ZONE | Feeders (In No.) | AT&C greater than 50% | AT&C between 30% to 50% | AT&C BW 15% to 30% | AT&C BW 10 to 15% | AT&C Below 10% | Abnormal AT&C |
| PuVVNL | AZAMGARH | 74 | 55 | 8 | 1 | 1 | 2 | 7 |
| | BASTI | 30 | 10 | 8 | 2 | 2 | 2 | 6 |
| | GORAKHPUR | 164 | 58 | 35 | 13 | 5 | 22 | 31 |
| | MIRZAPUR | 57 | 33 | 9 | 1 | 2 | 4 | 8 |
| | PRAYAGRAJ | 361 | 137 | 74 | 43 | 6 | 30 | 71 |
| | VARANASI | 290 | 82 | 57 | 48 | 14 | 25 | 64 |
| PuVVNL Total | | 976 | 375 | 191 | 108 | 30 | 85 | 187 |
| MVVNL | AYODHYA | 128 | 38 | 35 | 26 | 3 | 8 | 18 |
| | BAREILLY | 235 | 96 | 44 | 21 | 4 | 22 | 48 |
| | GONDA | 90 | 49 | 14 | 4 | 1 | 6 | 16 |
| | LESA CG | 580 | 123 | 78 | 76 | 13 | 64 | 226 |
| | LESA TG | 457 | 77 | 34 | 47 | 19 | 76 | 204 |
| | LUCKNOW | 201 | 54 | 23 | 14 | 6 | 9 | 95 |
| MVVNL Total | | 1691 | 437 | 228 | 188 | 46 | 185 | 607 |
| DVVNL | AGRA 1 | 117 | 41 | 30 | 15 | 5 | 10 | 16 |
| | AGRA 2 | 77 | 12 | 7 | 8 | 6 | 12 | 32 |
| | ALIGARH | 233 | 38 | 40 | 33 | 15 | 55 | 52 |
| | BANDA | 52 | 34 | 11 | 3 | 1 | 2 | 1 |
| | JHANSI | 140 | 45 | 26 | 16 | 3 | 11 | 39 |
| | KANPUR | 99 | 61 | 9 | 12 | 0 | 3 | 14 |
| DVVNL Total | | 718 | 231 | 123 | 87 | 30 | 93 | 154 |
| PVVNL | BULANDSHAHAR | 177 | 56 | 33 | 21 | 5 | 23 | 39 |
| | GHAZIABAD | 669 | 48 | 42 | 50 | 31 | 129 | 369 |
| | Meerut | 341 | 49 | 39 | 47 | 19 | 70 | 117 |
| | MORADABAD | 369 | 124 | 55 | 48 | 7 | 44 | 91 |
| | NOIDA | 512 | 19 | 28 | 25 | 19 | 93 | 328 |
| | SAHARANPUR | 204 | 67 | 37 | 31 | 11 | 27 | 31 |
| PVVNL Total | | 2272 | 363 | 234 | 222 | 92 | 386 | 975 |
| KESCO | KANPUR CITY | 531 | 33 | 45 | 66 | 22 | 96 | 269 |
| KESCO Total | | 531 | 33 | 45 | 66 | 22 | 96 | 269 |
| Grand Total | | 6188 | 1439 | 821 | 671 | 220 | 845 | 2192 |

| Table 1A: Feeder wise Energy Audit Status (Urban)- Progress: Mar'2022 Progressive AT&C MIS: Apr'21 – Feb'22 | | | | | | | | |
|--|--------------|---------------------|--------------------------------|----------------------------------|-----------------------------|-----------------------------|----------------------|------------------|
| DISCOM | ZONE | Feeders (In No.) | AT&C greater than 50% | AT&C between 30% to 50% | AT&C BW 15% to 30% | AT&C BW 10% to 15% | AT&C Below 10% | Abnormal AT&C |
| PuVVNL | AZAMGARH | 74 | 57 | 9 | 1 | 0 | 3 | 4 |
| | BASTI | 30 | 11 | 10 | 2 | 1 | 3 | 3 |
| | GORAKHPUR | 164 | 54 | 43 | 26 | 2 | 16 | 23 |
| | MIRZAPUR | 57 | 34 | 11 | 0 | 4 | 3 | 5 |
| | PRAYAGRAJ | 361 | 160 | 91 | 40 | 7 | 26 | 37 |
| | VARANASI | 290 | 85 | 77 | 54 | 10 | 23 | 41 |
| PuVVNL Total | | 976 | 401 | 241 | 123 | 24 | 74 | 113 |
| MVVNL | AYODHYA | 128 | 51 | 39 | 17 | 5 | 7 | 9 |
| | BAREILLY | 235 | 81 | 65 | 35 | 8 | 21 | 25 |
| | GONDA | 90 | 46 | 22 | 5 | 2 | 5 | 10 |
| | LESA CG | 580 | 132 | 106 | 105 | 30 | 85 | 122 |
| | LESA TG | 457 | 65 | 78 | 130 | 34 | 73 | 77 |
| | LUCKNOW | 201 | 92 | 47 | 24 | 4 | 13 | 21 |
| MVVNL Total | | 1691 | 467 | 357 | 316 | 83 | 204 | 264 |
| DVVNL | AGRA 1 | 117 | 34 | 33 | 26 | 6 | 4 | 14 |
| | AGRA 2 | 77 | 11 | 16 | 16 | 10 | 15 | 9 |
| | ALIGARH | 233 | 29 | 65 | 70 | 14 | 44 | 11 |
| | BANDA | 52 | 29 | 16 | 4 | 3 | 0 | 0 |
| | JHANSI | 140 | 40 | 38 | 20 | 5 | 21 | 16 |
| | KANPUR | 99 | 55 | 19 | 9 | 3 | 2 | 11 |
| DVVNL Total | | 718 | 198 | 187 | 145 | 41 | 86 | 61 |
| PVVNL | BULANDSHAHAR | 177 | 48 | 34 | 40 | 4 | 24 | 27 |
| | GHAZIABAD | 669 | 41 | 60 | 131 | 90 | 228 | 119 |
| | Meerut | 341 | 49 | 59 | 115 | 20 | 66 | 32 |
| | MORADABAD | 369 | 119 | 81 | 56 | 15 | 53 | 45 |
| | NOIDA | 512 | 25 | 34 | 56 | 36 | 201 | 160 |
| | SAHARANPUR | 204 | 50 | 65 | 42 | 8 | 26 | 13 |
| PVVNL Total | | 2272 | 332 | 333 | 440 | 173 | 598 | 396 |
| KESCO | KANPUR CITY | 531 | 40 | 68 | 154 | 57 | 110 | 102 |
| KESCO Total | | 531 | 40 | 68 | 154 | 57 | 110 | 102 |
| Grand Total | | 6188 | 1438 | 1186 | 1178 | 378 | 1072 | 936 |

Energy Audit for Rural Feeders of all zones of UPPCL DISCOMs

Feeder wise Energy Audit conducted for 100% feeders where matching data was provided/available. Based on the data provided for Feb'22, Energy Audit for following Rural feeders conducted in Mar'22

| Table 2: Feeder wise Energy Audit Status (Rural)- Progress: Mar'2022 (feeder audited for the month of Feb'2022): Monthly AT&C MIS: Feb'22 | | | | | | | | |
|--|--------------|----------------|--------------|---------------|---------------|---------------|------------|---------------|
| DISCOM | ZONE | No. of Feeders | Above 50% | Bw 30% to 50% | Bw 15% to 30% | Bw 10% to 15% | Below 10% | Abnormal AT&C |
| PuVVNL | AZAMGARH | 483 | 413 | 11 | 6 | 1 | 3 | 49 |
| | BASTI | 266 | 211 | 14 | 6 | 1 | 5 | 29 |
| | GORAKHPUR | 507 | 397 | 35 | 13 | 6 | 13 | 43 |
| | MIRZAPUR | 315 | 280 | 12 | 4 | 1 | 1 | 17 |
| | PRAYAGRAJ | 809 | 722 | 37 | 13 | 2 | 6 | 29 |
| | VARANASI | 686 | 566 | 36 | 14 | 4 | 15 | 51 |
| PuVVNL Total | | 3066 | 2589 | 145 | 56 | 15 | 43 | 218 |
| MvvNL | AYODHYA | 642 | 504 | 51 | 18 | 3 | 16 | 50 |
| | BAREILLY | 688 | 510 | 59 | 25 | 3 | 17 | 74 |
| | GONDA | 302 | 253 | 10 | 2 | 4 | 3 | 30 |
| | LESA CG | 120 | 69 | 20 | 8 | 4 | 6 | 13 |
| | LUCKNOW | 755 | 627 | 41 | 24 | 5 | 12 | 46 |
| MVVNL Total | | 2507 | 1963 | 181 | 77 | 19 | 54 | 213 |
| DvvNL | AGRA 1 | 822 | 722 | 41 | 10 | 1 | 7 | 41 |
| | AGRA 2 | 498 | 377 | 31 | 14 | 3 | 22 | 51 |
| | ALIGARH | 917 | 690 | 90 | 35 | 4 | 21 | 77 |
| | BANDA | 385 | 305 | 35 | 13 | 0 | 11 | 21 |
| | JHANSI | 320 | 282 | 13 | 5 | 2 | 6 | 12 |
| | KANPUR | 926 | 684 | 69 | 31 | 5 | 17 | 120 |
| DVVNL Total | | 3868 | 3060 | 279 | 108 | 15 | 84 | 322 |
| PvVNL | BULANDSHAHAR | 652 | 440 | 79 | 30 | 12 | 14 | 77 |
| | GHAZIABAD | 126 | 75 | 17 | 12 | 1 | 5 | 16 |
| | MEERUT | 764 | 555 | 72 | 29 | 12 | 23 | 73 |
| | MORADABAD | 1225 | 909 | 93 | 36 | 11 | 26 | 150 |
| | NOIDA | 84 | 70 | 6 | 2 | 0 | 1 | 5 |
| | SAHARANPUR | 1418 | 1129 | 55 | 36 | 7 | 35 | 156 |
| PVVNL Total | | 4269 | 3178 | 322 | 145 | 43 | 104 | 477 |
| Grand Total | | 13710 | 10790 | 927 | 386 | 92 | 285 | 1230 |

| Table 2A: Feeder wise Energy Audit Status (Rural)- Progress: Mar'2022 Progressive AT&C MIS: Apr'21 - Feb'22 | | | | | | | | |
|--|--------------|----------------|-------------|---------------|---------------|---------------|------------|---------------|
| DISCOM | ZONE | No. of Feeders | Above 50% | Bw 30% to 50% | Bw 15% to 30% | Bw 10% to 15% | Below 10% | Abnormal AT&C |
| PuVVNL | AZAMGARH | 483 | 400 | 23 | 6 | 2 | 3 | 49 |
| | BASTI | 266 | 221 | 16 | 7 | 1 | 1 | 20 |
| | GORAKHPUR | 507 | 399 | 50 | 15 | 5 | 10 | 28 |
| | MIRZAPUR | 315 | 274 | 14 | 4 | 2 | 2 | 19 |
| | PRAYAGRAJ | 809 | 666 | 77 | 22 | 5 | 13 | 26 |
| | VARANASI | 686 | 537 | 52 | 21 | 7 | 17 | 52 |
| PuVVNL Total | | 3066 | 2497 | 232 | 75 | 22 | 46 | 194 |
| MvvNL | AYODHYA | 642 | 499 | 51 | 25 | 5 | 14 | 48 |
| | BAREILLY | 688 | 493 | 74 | 29 | 9 | 23 | 60 |
| | GONDA | 302 | 260 | 16 | 6 | 0 | 1 | 19 |
| | LESA CG | 120 | 68 | 25 | 13 | 1 | 4 | 9 |
| | LUCKNOW | 755 | 602 | 75 | 32 | 5 | 7 | 34 |
| MVVNL Total | | 2507 | 1922 | 241 | 105 | 20 | 49 | 170 |
| DvvNL | AGRA 1 | 822 | 542 | 109 | 40 | 14 | 37 | 80 |
| | AGRA 2 | 498 | 314 | 67 | 34 | 16 | 23 | 44 |
| | ALIGARH | 917 | 489 | 155 | 94 | 14 | 49 | 116 |
| | BANDA | 385 | 254 | 41 | 28 | 4 | 17 | 41 |
| | JHANSI | 320 | 271 | 23 | 5 | 1 | 5 | 15 |
| | KANPUR | 926 | 531 | 126 | 59 | 18 | 33 | 159 |
| DVVNL Total | | 3868 | 2401 | 521 | 260 | 67 | 164 | 455 |
| PvvNL | BULANDSHAHAR | 652 | 366 | 135 | 40 | 12 | 31 | 68 |
| | GHAZIABAD | 126 | 79 | 21 | 7 | 1 | 5 | 13 |
| | MEERUT | 764 | 453 | 162 | 58 | 13 | 28 | 50 |
| | MORADABAD | 1225 | 857 | 163 | 56 | 4 | 34 | 111 |
| | NOIDA | 84 | 71 | 6 | 3 | 1 | 1 | 2 |
| | SAHARANPUR | 1418 | 1103 | 133 | 41 | 11 | 34 | 96 |
| PVVNL Total | | 4269 | 2929 | 620 | 205 | 42 | 133 | 340 |
| Grand Total | | 13710 | 9749 | 1614 | 645 | 151 | 392 | 1159 |

Energy Audit Status (Progressive)

| Table 3: RAPDRP: Energy Audit Status–UPPCL (Progressive) | | | | | | | | |
|--|-----------------------------|-----------------------|---------------------|--------------------------|--------------------------|--------------------------|-----------------------|---------------------------|
| Audit | Month | Total Nos. of Feeders | AT&C loss 50% above | AT&C loss b/n 50% to 30% | AT&C loss b/n 30% to 15% | AT&C loss b/n 15% to 10% | AT&C Losses Below 10% | Abnormal AT&C Loss (<-5%) |
| | | (Nos.) | (Nos.) | (Nos.) | (Nos.) | (Nos.) | (Nos.) | (Nos.) |
| Progressive | Apr'20-Feb'21 (FY 20-21) | 6005 | 1351 | 1092 | 1075 | 412 | 1098 | 977 |
| | | % | 22% | 18% | 18% | 7% | 18% | 16% |
| | Apr'21-Feb'22 (FY 21-22) | 6188 | 1438 | 1186 | 1178 | 378 | 1072 | 936 |
| | | % | 23% | 19% | 19% | 6% | 17% | 15% |

| Table 4: Non-RAPDRP: - Energy Audit Status–UPPCL (Progressive) | | | | | | | | |
|--|-----------------------------|-----------------------|---------------------|-------------------------|-------------------------|-------------------------|-----------------------|---------------------------|
| Audit | Month | Total Nos. of Feeders | AT&C loss 50% above | AT&C loss Bw 50% to 30% | AT&C loss Bw 30% to 15% | AT&C loss Bw 15% to 10% | AT&C Losses Below 10% | Abnormal AT&C Loss (<-5%) |
| | | (Nos.) | (Nos.) | (Nos.) | (Nos.) | (Nos.) | (Nos.) | (Nos.) |
| Progressive | Apr'20-Feb'21 (FY 20-21) | 13355 | 9546 | 1448 | 653 | 176 | 388 | 1144 |
| | | % | 71% | 11% | 5% | 1% | 3% | 9% |
| | Apr'21-Feb'22 (FY 21-22) | 13710 | 9749 | 1614 | 645 | 151 | 392 | 1159 |
| | | % | 71% | 12% | 5% | 1% | 3% | 8% |

FEEDER WISE ANALYSIS FOR KEY COMMERCIAL PARAMETERS TO REDUCE AT&C LOSSES

Commercial Parameters Analysis

Analysis done for Commercial Parameters those are affecting the performance of UPPCL Zones. Analysis Reports are being generated under following heads up to division level and submitted by RECPDCL DISCOM teams to DISCOM HQ and Zones:

- Status of Provisional Billing (Identified Defective Faulty (IDF)/Appearing Defective Faulty (ADF)/Reading Defective Faulty (RDF)/Ceiling Defective Faulty (CDF)
- Status of Reading Based Arrears (Arrear amount >=10K)
- Status of First Bill Pending Cases (Tenure Wise)
- Tenure Wise Status of Meter faulty

DISCOM wise Trend Analysis of Commercial Parameters (RAPDRP)

| Table 5: PuVVNL | | | | | | |
|--|---------------------|---------|---------|--------------------------------|--------------------------------|--------|
| Parameters | Dec-21 | Jan-22 | Feb-22 | Variance in Jan'22 wrt. Dec'21 | Variance in Feb'22 wrt. Jan'22 | |
| Total Consumers | 1835941 | 1841641 | 1847368 | 0.31% | 0.31% | |
| Billable Consumers | 1491640 | 1552329 | 1590112 | 4.07% | 2.43% | |
| Billed Consumers | 1349712 | 1369648 | 1368222 | 1.48% | -0.10% | |
| Billing % | 90.49% | 88.23% | 86.05% | -2.25% | -2.19% | |
| Reading Based Billed | 1258913 | 1275018 | 1271268 | 1.28% | -0.29% | |
| Reading based Billing % | 93.27% | 93.09% | 92.91% | -0.18% | -0.18% | |
| Non Payment Count | 592517 | 653515 | 676202 | 10.29% | 3.47% | |
| Turn Up Ratio (%) | 56.10% | 52.29% | 50.58% | -3.81% | -1.71% | |
| | | | | | | |
| Meter Faulty | | | | | | |
| IDF | 32370 | 57158 | 73246 | 76.58% | 28.15% | |
| ADF | 1097 | 3230 | 3554 | 194.44% | 10.03% | |
| RDF | 86348 | 99574 | 115398 | 15.32% | 15.89% | |
| CDF | 6416 | 6621 | 5830 | 3.20% | -11.95% | |
| | | | | | | |
| Arrears | | | | | | |
| Reading Based (Amount >10K) | No. of Defaulters | 209358 | 222727 | 234578 | 6.39% | 5.32% |
| | Arrear Amount (Cr.) | 3569.62 | 4511.36 | 4997.17 | 26.38% | 10.77% |
| Total Arrears | No. of Defaulters | 979492 | 1039176 | 1121602 | 6.09% | 7.93% |
| | Arrear Amount (Cr.) | 5523.59 | 7456.70 | 8832.93 | 35.00% | 18.46% |
| | | | | | | |
| First Bill Pending Cases | 10622 | 13804 | 15539 | 29.96% | 12.57% | |
| | | | | | | |
| Meter Faulty(IDF/ADF) tenure wise | | | | | | |
| <=3 Billing Cycles | 21834 | 45917 | 59318 | 110.30% | 29.19% | |
| >3 Billing Cycles | 11633 | 14471 | 17482 | 24.40% | 20.81% | |

| Table 6 : MVVNL | | | | | | |
|--|---------------------|---------|---------|--------------------------------|--------------------------------|--------|
| Parameters | Dec-21 | Jan-22 | Feb-22 | Variance in Jan'22 wrt. Dec'21 | Variance in Feb'22 wrt. Jan'22 | |
| Total Consumers | 2676521 | 2720414 | 2732661 | 1.64% | 0.45% | |
| Billable Consumers | 2122604 | 2149579 | 2139039 | 1.27% | -0.49% | |
| Billed Consumers | 1925646 | 1967203 | 1973448 | 2.16% | 0.32% | |
| Billing % | 90.72% | 91.52% | 92.26% | 0.79% | 0.74% | |
| Reading Based Billed | 1884438 | 1930937 | 1933034 | 2.47% | 0.11% | |
| Reading based Billing % | 97.86% | 98.16% | 97.95% | 0.30% | -0.20% | |
| Non Payment Count | 771645 | 838848 | 885242 | 8.71% | 5.53% | |
| Turn Up Ratio (%) | 59.93% | 57.36% | 55.14% | -2.57% | -2.22% | |
| | | | | | | |
| Meter Faulty | | | | | | |
| IDF | 22021 | 18768 | 12155 | -14.77% | -35.24% | |
| ADF | 1962 | 2406 | 918 | 22.63% | -61.85% | |
| RDF | 43334 | 40611 | 40519 | -6.28% | -0.23% | |
| CDF | 2940 | 2315 | 2695 | -21.26% | 16.41% | |
| | | | | | | |
| Arrears | | | | | | |
| Reading Based (Amount >10K) | No. of Defaulters | 147689 | 154908 | 160629 | 4.89% | 3.69% |
| | Arrear Amount (Cr.) | 1706.1 | 1908.5 | 1927.2 | 11.86% | 0.98% |
| Total Arrears | No. of Defaulters | 1311286 | 1308970 | 1349171 | -0.18% | 3.07% |
| | Arrear Amount (Cr.) | 2860.4 | 2914.4 | 2702.8 | 1.89% | -7.26% |
| | | | | | | |
| First Bill Pending Cases | 14069 | 14396 | 17694 | 2.32% | 22.91% | |
| | | | | | | |
| Meter Faulty(IDF/ADF) tenure wise | | | | | | |
| <=3 Billing Cycles | 22204 | 18992 | 10673 | -14.47% | -43.80% | |
| >3 Billing Cycles | 1779 | 2182 | 2400 | 22.65% | 9.99% | |

| Table 7 : DVVNL | | | | | | |
|--|---------------------|---------|---------|--------------------------------|--------------------------------|---------|
| Parameters | Dec-21 | Jan-22 | Feb-22 | Variance in Jan'22 wrt. Dec'21 | Variance in Feb'22 wrt. Jan'22 | |
| Total Consumers | 1644790 | 1649707 | 1654019 | 0.30% | 0.26% | |
| Billable Consumers | 1237963 | 1245195 | 1236439 | 0.58% | -0.70% | |
| Billed Consumers | 1185720 | 1189061 | 1190747 | 0.28% | 0.14% | |
| Billing % | 95.78% | 95.49% | 96.30% | -0.29% | 0.81% | |
| Reading Based Billed | 1169849 | 1172909 | 1176130 | 0.26% | 0.27% | |
| Reading based Billing % | 98.66% | 98.64% | 98.77% | -0.02% | 0.13% | |
| Non Payment Count | 455524 | 507802 | 524522 | 11.48% | 3.29% | |
| Turn Up Ratio (%) | 61.58% | 57.29% | 55.95% | -4.29% | -1.34% | |
| | | | | | | |
| Meter Faulty | | | | | | |
| IDF | 11426 | 14164 | 6772 | 23.96% | -52.19% | |
| ADF | 459 | 728 | 108 | 58.61% | -85.16% | |
| RDF | 12742 | 13652 | 12049 | 7.14% | -11.74% | |
| CDF | 815 | 996 | 816 | 22.21% | -18.07% | |
| | | | | | | |
| Arrears | | | | | | |
| Reading Based (Amount >10K) | No. of Defaulters | 82061 | 84530 | 87549 | 3.01% | 3.57% |
| | Arrear Amount (Cr.) | 978.06 | 1003.41 | 1025.20 | 2.59% | 2.17% |
| Total Arrears | No. of Defaulters | 693978 | 725989 | 750887 | 4.61% | 3.43% |
| | Arrear Amount (Cr.) | 1402.03 | 1489.03 | 1335.81 | 6.21% | -10.29% |
| | | | | | | |
| First Bill Pending Cases | 5470 | 5557 | 5874 | 1.59% | 5.70% | |
| | | | | | | |
| Meter Faulty(IDF/ADF) tenure wise | | | | | | |
| <=3 Billing Cycles | 9634 | 12825 | 5131 | 33.12% | -59.99% | |
| >3 Billing Cycles | 2251 | 2067 | 1749 | -8.17% | -15.38% | |

| Table 8 : PVVNL | | | | | | |
|-----------------------------------|---------------------|---------|---------|---------|--------------------------------|--------------------------------|
| Parameters | | Dec-21 | Jan-22 | Feb-22 | Variance in Jan'22 wrt. Dec'21 | Variance in Feb'22 wrt. Jan'22 |
| Total Consumers | | 3530969 | 3542645 | 3551820 | 0.33% | 0.26% |
| Billable Consumers | | 2809976 | 2821610 | 2823504 | 0.41% | 0.07% |
| Billed Consumers | | 2679219 | 2685906 | 2697677 | 0.25% | 0.44% |
| Billing % | | 95.35% | 95.19% | 95.54% | -0.16% | 0.35% |
| Reading Based Billed | | 2625584 | 2628785 | 2635106 | 0.12% | 0.24% |
| Reading based Billing % | | 98.00% | 97.87% | 97.68% | -0.12% | -0.19% |
| Non Payment Count | | 904912 | 991858 | 1043798 | 9.61% | 5.24% |
| Turn Up Ratio (%) | | 66.22% | 63.07% | 61.31% | -3.15% | -1.76% |
| Meter Faulty | | | | | | |
| IDF | | 32822 | 35977 | 38468 | 9.61% | 6.92% |
| ADF | | 689 | 803 | 665 | 16.55% | -17.19% |
| RDF | | 37195 | 39616 | 40085 | 6.51% | 1.18% |
| CDF | | 1278 | 1384 | 1432 | 8.29% | 3.47% |
| Arrears | | | | | | |
| Reading Based (Amount >10K) | No. of Defaulters | 135723 | 139097 | 145988 | 2.49% | 4.95% |
| | Arrear Amount (Cr.) | 1718.97 | 1794.21 | 1816.20 | 4.38% | 1.23% |
| Total Arrears | No. of Defaulters | 1623215 | 1671971 | 1745672 | 3.00% | 4.41% |
| | Arrear Amount (Cr.) | 2336.37 | 2441.07 | 2451.76 | 4.48% | 0.44% |
| First Bill Pending Cases | | 15828 | 18568 | 18840 | 17.31% | 1.46% |
| Meter Faulty(IDF/ADF) tenure wise | | | | | | |
| <=3 Billing Cycles | | 19785 | 20494 | 19829 | 3.58% | -3.24% |
| >3 Billing Cycles | | 13726 | 16286 | 19304 | 18.65% | 18.53% |

| Table 9 : KESCO | | | | | | |
|--|---------------------|---------|---------|--------------------------------|--------------------------------|--------|
| Parameters | Dec-21 | Jan-22 | Feb-22 | Variance in Jan'22 wrt. Dec'21 | Variance in Feb'22 wrt. Jan'22 | |
| Total Consumers | 959223 | 961204 | 962757 | 0.21% | 0.16% | |
| Billable Consumers | 678816 | 679391 | 680040 | 0.08% | 0.10% | |
| Billed Consumers | 663025 | 664365 | 665186 | 0.20% | 0.12% | |
| Billing % | 97.67% | 97.79% | 97.82% | 0.11% | 0.03% | |
| Reading Based Billed | 636640 | 640455 | 640046 | 0.60% | -0.06% | |
| Reading based Billing % | 96.02% | 96.40% | 96.22% | 0.38% | -0.18% | |
| Non Payment Count | 165114 | 172276 | 183923 | 4.34% | 6.76% | |
| Turn Up Ratio (%) | 75.10% | 74.07% | 72.35% | -1.03% | -1.72% | |
| | | | | | | |
| Meter Faulty | | | | | | |
| IDF | 2087 | 1888 | 2162 | -9.54% | 14.51% | |
| ADF | 1192 | 1043 | 1058 | -12.50% | 1.44% | |
| RDF | 2894 | 2396 | 2941 | -17.21% | 22.75% | |
| | | | | | | |
| Arrears | | | | | | |
| Reading Based (Amount >10K) | No. of Defaulters | 15970 | 15791 | 14636 | -1.12% | -7.31% |
| | Arrear Amount (Cr.) | 1759.40 | 1836.09 | 1866.72 | 4.36% | 1.67% |
| Total Arrears | No. of Defaulters | 145258 | 152602 | 154255 | 5.06% | 1.08% |
| | Arrear Amount (Cr.) | 1783.70 | 1941.89 | 1891.60 | 8.87% | -2.59% |
| | | | | | | |
| First Bill Pending Cases | 428 | 337 | 394 | -21.26% | 16.91% | |
| | | | | | | |
| Meter Faulty(IDF/ADF) tenure wise | | | | | | |
| <=3 Billing Cycles | 2334 | 1871 | 2031 | -19.84% | 8.55% | |
| >3 Billing Cycles | 945 | 1060 | 1189 | 12.17% | 12.17% | |

DISCOM wise Trend Analysis of Commercial Parameters (Non-RAPDRP)

| Table 10 : PuVVNL | | | | | | |
|------------------------------------|---------------------|----------|----------|---|--|---------|
| Parameters | Dec'21 | Jan'22 | Feb'22 | Variance in Jan'22 wrt. Dec'21 | Variance in Feb'22 wrt. Jan'22 | |
| Total Consumers | 9292319 | 9312530 | 9332741 | 0.2% | 0.2% | |
| Billable Consumers | 7405963 | 7559983 | 8263358 | 2.1% | 9.3% | |
| Metered Billable | 6654795 | 6758758 | 7147412 | 1.6% | 5.8% | |
| Unmetered Billable | 751119 | 801225 | 1114588 | 6.7% | 39.1% | |
| Total Billed | 7352313 | 7513337 | 7603315 | 2.2% | 1.2% | |
| Billing % | 99.3% | 99.4% | 92.0% | 0.1% | -7.4% | |
| Metered Billed | 6624243 | 6728672 | 6780840 | 1.6% | 0.8% | |
| Metered Billing % | 99.5% | 99.6% | 94.9% | 0.0% | -4.7% | |
| Paid Consumers | 881596 | 697145 | 639662 | -20.9% | -8.2% | |
| Turn Up Ratio | 12.0% | 9.3% | 8.4% | -2.7% | -0.9% | |
| Meter Faulty | | | | | | |
| IDF | Load < 5KW | 473658 | 496367 | 576687 | 4.8% | 16.2% |
| | Load >= 5KW | 1877 | 1943 | 4061 | 3.5% | 109.0% |
| ADF | Load < 5KW | 368 | 413 | 3119 | 12.2% | 655.2% |
| | Load >= 5KW | 13 | 8 | 103 | -38.5% | 1187.5% |
| RDF | Load < 5KW | 237723 | 235341 | 292295 | -1.0% | 24.2% |
| | Load >= 5KW | 611 | 678 | 883 | 11.0% | 30.2% |
| CDF | Load < 5KW | 20523 | 20412 | 31740 | -0.5% | 55.5% |
| | Load >= 5KW | 260 | 261 | 407 | 0.4% | 55.9% |
| Meter Faulty <=3 Billing Cycles | Load < 5KW | 89470 | 101256 | 177705 | 13.2% | 75.5% |
| | Load >= 5KW | 444 | 555 | 2800 | 25.0% | 404.5% |
| Meter Faulty >3 Billing Cycles | Load < 5KW | 384556 | 395524 | 402101 | 2.9% | 1.7% |
| | Load >= 5KW | 1446 | 1396 | 1364 | -3.5% | -2.3% |
| Arrear | | | | | | |
| Defaulters above 10K | | 2981427 | 3149717 | 3289244 | 5.6% | 4.4% |
| Arrear Amount above 10K (Cr.) | | 15314.44 | 16505.37 | 17972.76 | 7.8% | 8.9% |
| Amount >= 1 Lac | No. of defaulters | 257169 | 317463 | 374704 | 23.4% | 18.0% |
| | Arrear Amount (Cr.) | 6912.20 | 7713.35 | 8860.64 | 11.6% | 14.9% |
| Amount < 1 Lac | No. of defaulters | 2724258 | 2832254 | 2914540 | 4.0% | 2.9% |
| | Arrear Amount (Cr.) | 8402.24 | 8792.02 | 9112.12 | 4.6% | 3.6% |
| Feeder Tagging of New Connection | | | | | | |
| NC within 3 months | | 74454 | 69542 | 64058 | -6.6% | -7.9% |
| Tagged with Feeder | | 39645 | 37065 | 33795 | -6.5% | -8.8% |
| Not Tagged with Feeder | | 34809 | 32477 | 30263 | -6.7% | -6.8% |

Table 11: MVVNL

| Parameters | | Dec'21 | Jan'22 | Feb'22 | Variance in Jan'22 wrt. Dec'21 | Variance in Feb'22 wrt. Jan'22 |
|------------------------------------|---------------------|----------|---------|----------|---|--|
| Total Consumers | | 7400194 | 7414450 | 7431869 | 0.2% | 0.2% |
| Billable Consumers | | 6566464 | 6379305 | 6772931 | -2.9% | 6.2% |
| Metered Billable | | 6238054 | 6104134 | 6415419 | -2.1% | 5.1% |
| Unmetered Billable | | 328410 | 275171 | 357512 | -16.2% | 29.9% |
| Total Billed | | 6412767 | 6353505 | 6398706 | -0.9% | 0.7% |
| Billing % | | 97.7% | 99.6% | 94.5% | 1.9% | -5.1% |
| Metered Billed | | 6131277 | 6085101 | 6147437 | -0.8% | 1.0% |
| Metered Billing % | | 98.3% | 99.7% | 95.8% | 1.4% | -3.9% |
| Paid Consumers | | 647138 | 537947 | 448107 | -16.9% | -16.7% |
| Turn Up Ratio | | 10.1% | 8.5% | 7.0% | -1.6% | -1.5% |
| | | | | | | |
| Meter Faulty | | | | | | |
| IDF | Load < 5KW | 83477 | 53409 | 111805 | -36.0% | 109.3% |
| | Load >= 5KW | 4780 | 4038 | 4701 | -15.5% | 16.4% |
| ADF | Load < 5KW | 1030 | 137 | 704 | -86.7% | 413.9% |
| | Load >= 5KW | 97 | 5 | 115 | -94.8% | 2200.0% |
| RDF | Load < 5KW | 118135 | 111637 | 141287 | -5.5% | 26.6% |
| | Load >= 5KW | 683 | 629 | 1057 | -7.9% | 68.0% |
| CDF | Load < 5KW | 17804 | 17103 | 22322 | -3.9% | 30.5% |
| | Load >= 5KW | 257 | 256 | 339 | -0.4% | 32.4% |
| Meter Faulty <=3 Billing Cycles | Load < 5KW | 29045 | 25313 | 74337 | -12.8% | 193.7% |
| | Load >= 5KW | 933 | 854 | 1602 | -8.5% | 87.6% |
| Meter Faulty >3 Billing Cycles | Load < 5KW | 55462 | 28233 | 38172 | -49.1% | 35.2% |
| | Load >= 5KW | 3944 | 3189 | 3214 | -19.1% | 0.8% |
| | | | | | | |
| Arrear | | | | | | |
| Defaulters above 10K | | 2193637 | 2061973 | 2158204 | -6.0% | 4.7% |
| Arrear Amount above 10K (Cr.) | | 10920.52 | 9920.30 | 10413.98 | -9.2% | 5.0% |
| Amount >= 1 Lac | No. of defaulters | 188988 | 160834 | 173136 | -14.9% | 7.6% |
| | Arrear Amount (Cr.) | 4859.85 | 4236.85 | 4498.95 | -12.8% | 6.2% |
| Amount < 1 Lac | No. of defaulters | 2004649 | 1901139 | 1985068 | -5.2% | 4.4% |
| | Arrear Amount (Cr.) | 6060.67 | 5683.45 | 5915.03 | -6.2% | 4.1% |
| | | | | | | |
| Feeder Tagging of New Connection | | | | | | |
| NC within 3 months | | 45609 | 41501 | 40517 | -9.0% | -2.4% |
| Tagged with Feeder | | 39626 | 35942 | 34128 | -9.3% | -5.0% |
| Not Tagged with Feeder | | 5983 | 5559 | 6389 | -7.1% | 14.9% |

Table 12 : DVVNL

| Parameters | | Dec'21 | Jan'22 | Feb'22 | Variance in Jan'22 wrt. Dec'21 | Variance in Feb'22 wrt. Jan'22 |
|------------------------------------|------------------------|----------|----------|----------|---|--|
| Total Consumers | | 5461439 | 5471550 | 5482529 | 0.2% | 0.2% |
| Billable Consumers | | 4500312 | 4496647 | 4695852 | -0.1% | 4.4% |
| Metered Billable | | 4242263 | 4237431 | 4408759 | -0.1% | 4.0% |
| Unmetered Billable | | 258049 | 259216 | 287093 | 0.5% | 10.8% |
| Total Billed | | 4460209 | 4443142 | 4426902 | -0.4% | -0.4% |
| Billing % | | 99.1% | 98.8% | 94.3% | -0.3% | -4.5% |
| Metered Billed | | 4205297 | 4188287 | 4175021 | -0.4% | -0.3% |
| Metered Billing % | | 99.1% | 98.8% | 94.7% | -0.3% | -4.1% |
| Paid Consumers | | 747854 | 588984 | 517477 | -21.2% | -12.1% |
| Turn Up Ratio | | 16.8% | 13.3% | 11.7% | -3.5% | -1.6% |
| | | | | | | |
| Meter Faulty | | | | | | |
| IDF | Load < 5KW | 229009 | 216531 | 298752 | -5.4% | 38.0% |
| | Load >= 5KW | 3069 | 3086 | 4110 | 0.6% | 33.2% |
| ADF | Load < 5KW | 292 | 431 | 669 | 47.6% | 55.2% |
| | Load >= 5KW | 22 | 20 | 71 | -9.1% | 255.0% |
| RDF | Load < 5KW | 81598 | 67611 | 83140 | -17.1% | 23.0% |
| | Load >= 5KW | 586 | 589 | 701 | 0.5% | 19.0% |
| CDF | Load < 5KW | 9575 | 10035 | 11536 | 4.8% | 15.0% |
| | Load >= 5KW | 292 | 351 | 365 | 20.2% | 4.0% |
| Meter Faulty <=3 Billing Cycles | Load < 5KW | 79085 | 85989 | 171098 | 8.7% | 99.0% |
| | Load >= 5KW | 823 | 1040 | 2089 | 26.4% | 100.9% |
| Meter Faulty >3 Billing Cycles | Load < 5KW | 150216 | 130973 | 128323 | -12.8% | -2.0% |
| | Load >= 5KW | 2268 | 2066 | 2092 | -8.9% | 1.3% |
| | | | | | | |
| Arrear | | | | | | |
| Defaulters above 10K | | 1498097 | 1504374 | 1534822 | 0.4% | 2.0% |
| Arrear Amount above 10K (Cr.) | | 12632.20 | 12410.79 | 12553.66 | -1.8% | 1.2% |
| Amount >= 1 Lac | No. of defaulters | 199947 | 199590 | 198664 | -0.2% | -0.5% |
| | Arrear Amount (Cr.) | 8401.30 | 8190.42 | 8275.18 | -2.5% | 1.0% |
| Amount < 1 Lac | No. of defaulters | 1298150 | 1304784 | 1336158 | 0.5% | 2.4% |
| | Arrear Amount (Cr.) | 4230.90 | 4220.37 | 4278.48 | -0.2% | 1.4% |
| | | | | | | |
| Feeder Tagging of New Connection | | | | | | |
| NC within 3 months | | 44970 | 37980 | 34695 | -15.5% | -8.6% |
| Tagged with Feeder | | 39554 | 33376 | 28786 | -15.6% | -13.8% |
| Not Tagged with Feeder | | 5416 | 4604 | 5909 | -15.0% | 28.3% |

| Table 13 : PVVNL | | | | | | |
|----------------------------------|---------------------|---------|---------|---------|--------------------------------|--------------------------------|
| Parameters | | Dec'21 | Jan'22 | Feb'22 | Variance in Jan'22 wrt. Dec'21 | Variance in Feb'22 wrt. Jan'22 |
| Total Consumers | | 4723967 | 4734729 | 4745383 | 0.2% | 0.2% |
| Billable Consumers | | 4076739 | 4094265 | 4135705 | 0.4% | 1.0% |
| Metered Billable | | 3617397 | 3627671 | 3644100 | 0.3% | 0.5% |
| Unmetered Billable | | 459342 | 466594 | 491605 | 1.6% | 5.4% |
| Total Billed | | 4048658 | 4067422 | 4062612 | 0.5% | -0.1% |
| Billing % | | 99.3% | 99.3% | 98.2% | 0.0% | -1.1% |
| Metered Billed | | 3594409 | 3606409 | 3610662 | 0.3% | 0.1% |
| Metered Billing % | | 99.4% | 99.4% | 99.1% | 0.0% | -0.3% |
| Paid Consumers | | 775895 | 648652 | 576250 | -16.4% | -11.2% |
| Turn Up Ratio | | 19.2% | 15.9% | 14.2% | -3.2% | -1.8% |
| Meter Faulty | | | | | | |
| IDF | Load < 5KW | 196027 | 216384 | 238401 | 10.4% | 10.2% |
| | Load >= 5KW | 1098 | 1186 | 1289 | 8.0% | 8.7% |
| ADF | Load < 5KW | 739 | 778 | 916 | 5.3% | 17.7% |
| | Load >= 5KW | 25 | 27 | 40 | 8.0% | 48.1% |
| RDF | Load < 5KW | 57480 | 65548 | 67356 | 14.0% | 2.8% |
| | Load >= 5KW | 494 | 607 | 683 | 22.9% | 12.5% |
| CDF | Load < 5KW | 4447 | 5061 | 6175 | 13.8% | 22.0% |
| | Load >= 5KW | 179 | 241 | 261 | 34.6% | 8.3% |
| Meter Faulty <=3 Billing Cycles | Load < 5KW | 47868 | 54173 | 63757 | 13.2% | 17.7% |
| | Load >= 5KW | 318 | 342 | 450 | 7.5% | 31.6% |
| Meter Faulty >3 Billing Cycles | Load < 5KW | 148898 | 162989 | 175560 | 9.5% | 7.7% |
| | Load >= 5KW | 805 | 871 | 879 | 8.2% | 0.9% |
| Arrear | | | | | | |
| Defaulters above 10K | | 1279984 | 1316844 | 1352317 | 2.9% | 2.7% |
| Arrear Amount above 10K (Cr.) | | 6901.39 | 7158.22 | 7219.15 | 3.7% | 0.9% |
| Amount >= 1 Lac | No. of defaulters | 116169 | 122047 | 119838 | 5.1% | -1.8% |
| | Arrear Amount (Cr.) | 3675.95 | 3839.03 | 3784.30 | 4.4% | -1.4% |
| Amount < 1 Lac | No. of defaulters | 1163815 | 1194797 | 1232479 | 2.7% | 3.2% |
| | Arrear Amount (Cr.) | 3225.43 | 3319.18 | 3434.85 | 2.9% | 3.5% |
| Feeder Tagging of New Connection | | | | | | |
| NC within 3 months | | 53445 | 44879 | 36268 | -16.0% | -19.2% |
| Tagged with Feeder | | 44117 | 36173 | 28853 | -18.0% | -20.2% |
| Not Tagged with Feeder | | 9328 | 8706 | 7415 | -6.7% | -14.8% |

DISCOM/Zonal Teams are submitting these reports along with supporting data (list of identified consumers) to concerned officials for necessary action.

CONSUMER TAGGING STATUS

Table 14 : Tagging Status RAPDRP Area

| Table 14 : Tagging Status RAPDRP Area | | | | | | | | |
|---------------------------------------|--------------------|------------------|--------------------|---------------|--------------------|------------------|--------------------|---------------|
| DISCOM | Jan-22 | | | | Feb-22 | | | |
| | Billable Consumers | Tagged Consumers | Untagged Consumers | Tagging % | Billable Consumers | Tagged Consumers | Untagged Consumers | Tagging % |
| PuVVNL | 1552329 | 1507111 | 45218 | 97.10% | 1590112 | 1532091 | 58021 | 96.40% |
| MVVNL | 2149581 | 2135678 | 13903 | 99.40% | 2139039 | 2127272 | 11767 | 99.40% |
| DVVNL | 1245195 | 1235184 | 10011 | 99.20% | 1236439 | 1233358 | 3081 | 99.80% |
| PVVNL | 2821610 | 2809220 | 12390 | 99.60% | 2823504 | 2814357 | 9147 | 99.70% |
| Total | 7768715 | 7687193 | 81522 | 99.00% | 7789094 | 7707078 | 82016 | 98.90% |

Table 15 : Tagging Status NON RAPDRP Area

| Table 15 : Tagging Status NON RAPDRP Area | | | | | | | | |
|---|--------------------|------------------|--------------------|---------------|--------------------|------------------|--------------------|---------------|
| DISCOM | Jan-22 | | | | Feb-22 | | | |
| | Billable Consumers | Tagged Consumers | Untagged Consumers | Tagging % | Billable Consumers | Tagged Consumers | Untagged Consumers | Tagging % |
| PuVVNL | 7559983 | 7166371 | 393612 | 94.80% | 8263358 | 7798109 | 465249 | 94.40% |
| MVVNL | 6379305 | 6021165 | 358140 | 94.40% | 6772931 | 6365664 | 407267 | 94.00% |
| DVVNL | 4496647 | 4425125 | 71522 | 98.40% | 4695852 | 4610963 | 84889 | 98.20% |
| PVVNL | 4094265 | 3984598 | 109667 | 97.30% | 4135705 | 4021364 | 114341 | 97.20% |
| Total | 22530200 | 21597259 | 932941 | 95.90% | 23867846 | 22796100 | 1071746 | 95.50% |

SUBSTATION AT&C LOSSES

For the review purpose of UPPCL Management, categorisation of substation done into RED/ORANGE and GREEN zones based on AT&C losses as per mentioned details:

Table 16 : Substation AT&C Losses Comparison (Urban)

| DISCOM | (Apr'20-Mar'21) | | | | (Apr'21-Jan'22) | | | | (Apr'21-Feb'22) | | | |
|--------------|-----------------|------------|------------|------------|-----------------|------------|------------|------------|-----------------|------------|------------|------------|
| | No. of S/Ss | RED | ORANGE | GREEN | No. of S/Ss | RED | ORANGE | GREEN | No. of S/Ss | RED | ORANGE | GREEN |
| PuVVNL | 213 | 133 | 61 | 19 | 214 | 149 | 55 | 10 | 216 | 150 | 56 | 10 |
| MVVNL | 290 | 160 | 80 | 50 | 296 | 196 | 73 | 27 | 299 | 189 | 78 | 32 |
| DVVNL | 173 | 86 | 67 | 20 | 172 | 93 | 68 | 11 | 172 | 94 | 65 | 13 |
| PVVNL | 473 | 266 | 57 | 150 | 475 | 265 | 62 | 148 | 476 | 268 | 57 | 151 |
| KESCO | 93 | 45 | 7 | 41 | 93 | 42 | 13 | 38 | 93 | 42 | 9 | 42 |
| UPPCL | 1242 | 690 | 272 | 280 | 1250 | 745 | 271 | 234 | 1256 | 743 | 265 | 248 |

Table 17: Substation AT&C Losses Comparison (Rural)

| DISCOM | (Apr'20-Mar'21) | | | | (Apr'21-Jan'22) | | | | (Apr'21-Feb'22) | | | |
|--------------|-----------------|-------------|------------|------------|-----------------|-------------|------------|-----------|-----------------|-------------|------------|-----------|
| | No. of S/Ss | RED | ORANGE | GREEN | No. of S/Ss | RED | ORANGE | GREEN | No. of S/Ss | RED | ORANGE | GREEN |
| PuVVNL | 897 | 835 | 53 | 9 | 892 | 857 | 30 | 5 | 892 | 858 | 25 | 9 |
| MVVNL | 656 | 604 | 27 | 25 | 676 | 645 | 25 | 6 | 679 | 646 | 25 | 8 |
| DVVNL | 892 | 742 | 106 | 44 | 905 | 745 | 131 | 29 | 905 | 759 | 123 | 23 |
| PVVNL | 938 | 778 | 76 | 84 | 954 | 926 | 15 | 13 | 954 | 914 | 14 | 26 |
| UPPCL | 3383 | 2959 | 262 | 162 | 3427 | 3173 | 201 | 53 | 3430 | 3177 | 187 | 66 |

***Colour coding based on AT&C Losses of FY 19-20**

| Discom | Criteria for Colour coding based on Progressive AT&C Losses | | |
|--------|---|---------------|----------------|
| | RED | ORANGE | GREEN |
| PuVVNL | Above 37.97% & below 0% | 15% to 37.97% | Less than 15 % |
| MVVNL | Above 28.81% & below 0% | 15% to 28.81% | Less than 15 % |
| DVVNL | Above 36.51% & below 0% | 15% to 36.51% | Less than 15 % |
| PVVNL | Above 22.71% & below 0% | 15% to 22.71% | Less than 15 % |
| Kesco | Above 17.68 % & below 0% | 15% to 17.68% | Less than 15 % |

FACILITATION TO HV CELL

➤ Tracking of Unbilled Consumers 10 kW and above

Selection Criteria: Unbilled in last 2 or more months but billed at least once in 2020-21

| Table 18: RAPDRP: Unbilled consumers for more than last 2 months (Non Govt) | | | | | | | | | | | | | | |
|---|-----------------|-----------|------------|------------|-----------|------------|-------------|------------|-------------|-------------|------------|-------------|-------------|-------------|
| DISCOM | 50 kW and above | | | | | | Below 50 kW | | | | | | Total | |
| | Jan'22 | | | Feb'22 | | | Jan'22 | | | Feb'22 | | | Jan'22 | Feb'22 |
| | Live | TD | Total | Live | TD | Total | Live | TD | Total | Live | TD | Total | | |
| PuVVNL | 42 | 18 | 60 | 47 | 14 | 61 | 633 | 216 | 849 | 717 | 179 | 896 | 909 | 957 |
| MVVNL | 38 | 5 | 43 | 38 | 4 | 42 | 332 | 71 | 403 | 351 | 59 | 410 | 446 | 452 |
| DVVNL | 9 | 14 | 23 | 11 | 11 | 22 | 79 | 55 | 134 | 80 | 58 | 138 | 157 | 160 |
| PVVNL | 54 | 39 | 93 | 62 | 29 | 91 | 460 | 97 | 557 | 450 | 82 | 532 | 650 | 623 |
| KESCO | 1 | 0 | 1 | 0 | 0 | 0 | 66 | 0 | 66 | 40 | 0 | 40 | 67 | 40 |
| Total | 144 | 76 | 220 | 158 | 58 | 216 | 1570 | 439 | 2009 | 1638 | 378 | 2016 | 2229 | 2232 |

| Table 19: NON-RAPDRP: Unbilled consumers for more than last 2 months (Non Govt) | | | | | | | | | | | | | | |
|---|-----------------|------------|------------|------------|------------|------------|-------------|-----------|-----------|-------------|-----------|-------------|------------|-------------|
| DISCOM | 50 kW and above | | | | | | Below 50 kW | | | | | | Total | |
| | Jan'22 | | | Feb'22 | | | Jan'22 | | | Feb'22 | | | Jan'22 | Feb'22 |
| | Live | TD | Total | Live | TD | Total | Live | TD | Total | Live | TD | Total | | |
| PuVVNL | 56 | 30 | 86 | 73 | 22 | 95 | 21 | 3 | 24 | 533 | 2 | 535 | 110 | 630 |
| MVVNL | 54 | 7 | 61 | 60 | 4 | 64 | 11 | 1 | 12 | 646 | 8 | 654 | 73 | 718 |
| DVVNL | 33 | 110 | 143 | 54 | 97 | 151 | 31 | 18 | 49 | 224 | 27 | 251 | 192 | 402 |
| PVVNL | 21 | 8 | 29 | 33 | 4 | 37 | 9 | 1 | 10 | 21 | 1 | 22 | 39 | 59 |
| Total | 164 | 155 | 319 | 220 | 127 | 347 | 72 | 23 | 95 | 1424 | 38 | 1462 | 414 | 1809 |

➤ Tracking of Unpaid Consumers 10 kW and above(URBAN)

**Selection Criteria: Unpaid in last 2 or more months but billed in Feb'22*

| Table 20: RAPDRP: Unpaid consumers for more than last 2 months (Non Govt) | | | | |
|---|-------------|-------------------|-------------|-------------------|
| DISCOM | Jan'22 | | Feb'22 | |
| | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) |
| PuVVNL | 1075 | 2105.28 | 1263 | 2370.73 |
| MVVNL | 1078 | 1581.84 | 1198 | 1780.67 |
| DVVNL | 206 | 168.42 | 202 | 148.80 |
| PVVNL | 1018 | 1460.56 | 1291 | 1813.53 |
| KESCO | 265 | 307.70 | 228 | 192.75 |
| Total | 3642 | 5623.80 | 4182 | 6306.48 |

Table 21: RAPDRP: Unpaid consumers for more than last 2 months (Non Govt) 50 kW and Above

| DISCOM | Jan'22 | | | | | | Feb'22 | | | | | |
|--------------|------------|-------------------|-----------|-------------------|------------|-------------------|------------|-------------------|-----------|-------------------|------------|-------------------|
| | In Service | | TD | | Total | | In Service | | TD | | Total | |
| | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) |
| PuVVNL | 49 | 495.03 | 11 | 164.06 | 60 | 659.09 | 69 | 646.73 | 4 | 105.99 | 73 | 752.72 |
| MVVNL | 78 | 562.25 | 5 | 42.99 | 83 | 605.24 | 83 | 575.71 | 6 | 64.23 | 89 | 639.94 |
| DVVNL | 9 | 56.35 | 0 | 0.00 | 9 | 56.35 | 13 | 41.22 | 1 | 2.94 | 14 | 44.16 |
| PVVNL | 76 | 635.32 | 10 | 87.18 | 86 | 722.50 | 89 | 730.33 | 10 | 97.01 | 99 | 827.34 |
| KESCO | 24 | 83.42 | 3 | 11.08 | 27 | 94.49 | 17 | 52.85 | 1 | 1.39 | 18 | 54.24 |
| Total | 236 | 1832.40 | 29 | 305.30 | 265 | 2137.70 | 271 | 2046.84 | 22 | 271.56 | 293 | 2318.40 |

Table 22: RAPDRP: Unpaid consumers for more than last 2 months (Non Govt) Below 50 kW

| DISCOM | Jan'22 | | | | | | Feb'22 | | | | | |
|--------------|-------------|-------------------|------------|-------------------|-------------|-------------------|-------------|-------------------|------------|-------------------|-------------|-------------------|
| | In Service | | TD | | Total | | In Service | | TD | | Total | |
| | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) |
| PuVVNL | 849 | 1147.72 | 166 | 298.47 | 1015 | 1446.19 | 1038 | 1362.25 | 152 | 255.77 | 1190 | 1618.01 |
| MVVNL | 939 | 898.87 | 56 | 77.73 | 995 | 976.60 | 1064 | 1068.12 | 45 | 72.61 | 1109 | 1140.73 |
| DVVNL | 170 | 94.45 | 27 | 17.61 | 197 | 112.07 | 164 | 90.13 | 24 | 14.51 | 188 | 104.64 |
| PVVNL | 853 | 662.72 | 79 | 75.33 | 932 | 738.06 | 1095 | 912.59 | 97 | 73.60 | 1192 | 986.19 |
| KESCO | 228 | 202.72 | 10 | 10.48 | 238 | 213.21 | 198 | 118.77 | 12 | 19.74 | 210 | 138.51 |
| Total | 3039 | 3006.50 | 338 | 479.62 | 3377 | 3486.13 | 3559 | 3551.86 | 330 | 436.23 | 3889 | 3988.08 |

➤ **Tracking of Unpaid Consumers 10 kW and above (RURAL)**

Table 23: Non-RAPDRP: Unpaid consumers for more than last 2 months (Non Govt)

| DISCOM | Jan'22 | | Feb'22 | |
|--------------|-------------|-------------------|-------------|-------------------|
| | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) |
| PuVVNL | 1450 | 6299.43 | 1524 | 7363.38 |
| MVVNL | 807 | 2574.74 | 835 | 3021.43 |
| DVVNL | 677 | 1073.49 | 680 | 1026.73 |
| PVVNL | 618 | 1292.84 | 818 | 1486.75 |
| Total | 3552 | 11240.50 | 3857 | 12898.28 |

Table 24: Non-RAPDRP: Unpaid consumers for more than last 2 months (Non Govt) 50 kW and Above

| DISCOM | Jan'22 | | | | | | Feb'22 | | | | | |
|--------------|------------|-------------------|-----------|-------------------|------------|-------------------|------------|-------------------|-----------|-------------------|------------|-------------------|
| | In Service | | TD | | Total | | In Service | | TD | | Total | |
| | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) |
| PuVVNL | 78 | 2563.08 | 13 | 220.41 | 91 | 2783.48 | 102 | 3613.98 | 11 | 227.86 | 113 | 3841.84 |
| MVVNL | 81 | 749.54 | 1 | 4.70 | 82 | 754.23 | 86 | 1183.41 | 1 | 4.98 | 87 | 1188.40 |
| DVVNL | 100 | 357.32 | 19 | 108.41 | 119 | 465.73 | 114 | 412.68 | 20 | 92.69 | 134 | 505.37 |
| PVVNL | 37 | 365.10 | 4 | 20.76 | 41 | 385.86 | 57 | 436.21 | 5 | 16.18 | 62 | 452.39 |
| Total | 296 | 4035.04 | 37 | 354.27 | 333 | 4389.31 | 359 | 5646.29 | 37 | 341.71 | 396 | 5988.00 |

Table 25: Non-RAPDRP: Unpaid consumers for more than last 2 months (Non Govt) Below 50 kW

| DISCOM | Jan'22 | | | | | | Feb'22 | | | | | |
|--------------|-------------|-------------------|------------|-------------------|-------------|-------------------|-------------|-------------------|------------|-------------------|-------------|-------------------|
| | In Service | | TD | | Total | | In Service | | TD | | Total | |
| | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) | Count | O/S (Rs. in Lacs) |
| PuVVNL | 979 | 1945.91 | 380 | 1570.03 | 1359 | 3515.95 | 1096 | 2425.66 | 315 | 1095.88 | 1411 | 3521.54 |
| MVVNL | 622 | 1074.19 | 103 | 746.31 | 725 | 1820.51 | 658 | 1112.22 | 90 | 720.81 | 748 | 1833.03 |
| DVVNL | 395 | 290.01 | 163 | 317.75 | 558 | 607.76 | 391 | 306.51 | 155 | 214.85 | 546 | 521.36 |
| PVVNL | 480 | 589.00 | 97 | 317.98 | 577 | 906.98 | 664 | 742.24 | 92 | 292.11 | 756 | 1034.35 |
| Total | 2476 | 3899.12 | 743 | 2952.07 | 3219 | 6851.19 | 2809 | 4586.63 | 652 | 2323.65 | 3461 | 6910.28 |

➤ **Tracking of IDF Consumers 10 kW and above (URBAN)**

Table 26 : RAPDRP - IDF Cases Comparison (Non Govt)

| DISCOM | Jan'22 | | | Feb'22 | | |
|--------------|-----------------|-------------|------------|-----------------|-------------|------------|
| | 50 kW and above | Below 50 kW | Total | 50 kW and above | Below 50 kW | Total |
| PuVVNL | 0 | 10 | 10 | 0 | 47 | 47 |
| MVVNL | 3 | 69 | 72 | 3 | 48 | 51 |
| DVVNL | 0 | 2 | 2 | 0 | 3 | 3 |
| PVVNL | 0 | 5 | 5 | 0 | 7 | 7 |
| KESCo | 4 | 30 | 34 | 4 | 24 | 28 |
| Total | 7 | 116 | 123 | 7 | 129 | 136 |

➤ Tracking of IDF Consumers 10 kW and above(RURAL)

| Table 27 : Non RAPDRP - IDF Cases Comparison (Non Govt) | | | | | | |
|---|-----------------|-------------|-----------|-----------------|-------------|-----------|
| DISCOM | Jan'22 | | | Feb'22 | | |
| | 50 kW and above | Below 50 kW | Total | 50 kW and above | Below 50 kW | Total |
| PuVVNL | 0 | 9 | 9 | 0 | 26 | 26 |
| MVVNL | 1 | 29 | 30 | 2 | 37 | 39 |
| DVVNL | 2 | 12 | 14 | 3 | 24 | 27 |
| PVVNL | 0 | 6 | 6 | 0 | 7 | 7 |
| Total | 3 | 56 | 59 | 5 | 94 | 99 |

LOW CONSUMPTION ANALYSIS

| Table 28 : Process Code Wise- 56KVA and above Consumers Per KVA Consumption Analysis based on Feb'22 billing data | | | | | | | |
|--|-------------------------------|-------------------------------|--|---------------|---------------|---------------|-----------------|
| DISCOM | Process group | Consumers Analysed (>=56 KVA) | Category - Monthly Consumption Per KVA | | | | |
| | | | Above 450 U/KVA | 300-450 U/KVA | 200-300 U/KVA | 100-200 U/KVA | Below 100 U/KVA |
| UPPCL | Plastic Industry & Industries | 737 | 333 | 175 | 112 | 95 | 22 |
| | Stone industry/Crusher | 387 | 188 | 68 | 60 | 50 | 21 |
| | Leather Industry/Tannery | 191 | 129 | 39 | 11 | 8 | 4 |
| | Gas Plant | 16 | 5 | 4 | 3 | 4 | 0 |
| | Cement & Ceramic Factory | 22 | 11 | 3 | 2 | 3 | 3 |
| | Furnace & Rolling Mill | 141 | 36 | 19 | 25 | 42 | 19 |
| | Flour Mill | 169 | 62 | 32 | 28 | 33 | 14 |
| UPPCL Total | | 1663 | 764 | 340 | 241 | 235 | 83 |

LINE LOSS ANALYSIS OF 33KV INDEPENDENT FEEDERS

Table 29 : Line Loss Analysis of Urban Govt Feeders (Apr'21-Feb'22)

| DISCOM | Grand Total | b/n 0-1% | b/n 1 -2 % | b/n 2-3% | Above 3% |
|-------------|-------------|----------|------------|----------|----------|
| PuVVNL | 11 | 9 | 0 | 1 | 1 |
| MVVNL | 38 | 23 | 1 | 3 | 11 |
| DVVNL | 27 | 22 | 0 | 1 | 4 |
| PVVNL | 14 | 14 | 0 | 0 | 0 |
| KESCO | 24 | 18 | 1 | 2 | 3 |
| Grand Total | 114 | 86 | 2 | 7 | 19 |

Table 30 : Line Loss Analysis of Urban Non Govt Feeders (Apr'21-Feb'22)

| DISCOM | Grand Total | b/n 0-1% | b/n 1 -2 % | b/n 2-3% | Above 3% |
|-------------|-------------|----------|------------|----------|----------|
| PuVVNL | 6 | 5 | 0 | 0 | 1 |
| MVVNL | 21 | 13 | 2 | 1 | 5 |
| DVVNL | 10 | 8 | 0 | 0 | 2 |
| PVVNL | 157 | 145 | 3 | 4 | 5 |
| KESCO | 11 | 9 | 0 | 0 | 2 |
| Grand Total | 205 | 180 | 5 | 5 | 15 |

Table 31 : Line Loss Analysis of Rural Govt Feeders (Apr'21-Feb'22)

| DISCOM | Grand Total | b/n 0-1% | b/n 1 -2 % | b/n 2-3% | Above 3% |
|-------------|-------------|----------|------------|----------|----------|
| PuVVNL | 2 | 2 | 0 | 0 | 0 |
| MVVNL | 9 | 7 | 1 | 0 | 1 |
| DVVNL | 15 | 13 | 0 | 0 | 2 |
| PVVNL | 4 | 4 | 0 | 0 | 0 |
| Grand Total | 30 | 26 | 1 | 0 | 3 |

Table 32 : Line Loss Analysis of Rural Non Govt Feeders (Apr'21-Feb'22)

| DISCOM | Grand Total | b/n 0-1% | b/n 1 -2 % | b/n 2-3% | Above 3% |
|-------------|-------------|----------|------------|----------|----------|
| PuVVNL | 1 | 1 | 0 | 0 | 0 |
| MVVNL | 34 | 15 | 2 | 2 | 15 |
| DVVNL | 46 | 35 | 2 | 1 | 8 |
| PVVNL | 28 | 25 | 0 | 2 | 1 |
| Grand Total | 109 | 76 | 4 | 5 | 24 |

EXCEPTIONS ON FEEDER INPUT ENERGY PORTAL

| Table 33: Exceptions on Feeder Input Energy Portal | | | | | | | | | |
|--|--------------|--------------------|--------------------|-----------------------|--------------------|-----------------------|--------------------|------------------------------|--------------------|
| Disco m | Zone | Blank Feeder Code | | Duplicate Feeder Code | | Incorrect Feeder Code | | Total Feeder Code Exceptions | |
| | | As on 09th Fe b'22 | As on 11th Ma r'22 | As on 09th Fe b'22 | As on 11th Ma r'22 | As on 09th Fe b'22 | As on 11th Ma r'22 | As on 09th Fe b'22 | As on 11th Ma r'22 |
| PuVVNL | AZAMGARH | 1 | 2 | 2 | 2 | 2 | 2 | 5 | 6 |
| | BASTI | 2 | 1 | 8 | 8 | 0 | 1 | 10 | 10 |
| | GORAKHPUR | 10 | 0 | 28 | 28 | 1 | 1 | 39 | 29 |
| | MIRZAPUR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | PRAYAGRAJ | 6 | 7 | 2 | 2 | 1 | 1 | 9 | 10 |
| | VARANASI | 16 | 13 | 20 | 2 | 7 | 7 | 43 | 22 |
| PuVVNL Total | | 35 | 23 | 60 | 42 | 11 | 12 | 106 | 77 |
| MVVNL | AYODHYA | 11 | 11 | 6 | 4 | 17 | 16 | 34 | 31 |
| | BAREILLY | 22 | 25 | 8 | 10 | 0 | 0 | 30 | 35 |
| | DEVI PATAN | 20 | 20 | 4 | 4 | 9 | 9 | 33 | 33 |
| | LESA CG | 17 | 9 | 2 | 0 | 7 | 7 | 26 | 16 |
| | LESA TG | 7 | 7 | 0 | 0 | 0 | 0 | 7 | 7 |
| | LUCKNOW | 36 | 39 | 56 | 56 | 2 | 2 | 94 | 97 |
| MVVNL Total | | 113 | 111 | 76 | 74 | 35 | 34 | 224 | 219 |
| DVVNL | AGRA1 | 13 | 25 | 0 | 0 | 0 | 2 | 13 | 27 |
| | AGRA2 | 3 | 3 | 0 | 0 | 1 | 1 | 4 | 4 |
| | ALIGARH | 3 | 0 | 0 | 2 | 3 | 2 | 6 | 4 |
| | BANDA | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 2 |
| | JHANSI | 10 | 9 | 6 | 6 | 0 | 0 | 16 | 15 |
| | KANPUR | 49 | 13 | 57 | 6 | 26 | 26 | 132 | 45 |
| DVVNL Total | | 80 | 52 | 63 | 14 | 30 | 31 | 173 | 97 |
| PVVNL | BULANDSHAHAR | 8 | 12 | 0 | 0 | 4 | 4 | 12 | 16 |
| | GHAZIABAD | 9 | 11 | 5 | 5 | 0 | 0 | 14 | 16 |
| | MEERUT | 5 | 8 | 0 | 0 | 0 | 0 | 5 | 8 |
| | MORADABAD | 20 | 24 | 4 | 4 | 0 | 0 | 24 | 28 |
| | NOIDA | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 |
| | SAHARANPUR | 13 | 13 | 4 | 6 | 1 | 1 | 18 | 20 |
| PVVNL Total | | 55 | 68 | 14 | 16 | 5 | 5 | 74 | 89 |
| KESCO | KESCO | 7 | 17 | 2 | 2 | 19 | 20 | 28 | 39 |
| KESCO Total | | 7 | 17 | 2 | 2 | 19 | 20 | 28 | 39 |
| Grand Total | | 300 | 271 | 219 | 148 | 100 | 102 | 605 | 521 |

CRITICAL PARAMETER DASHBOARD

Table 34 : CPD Log-in Frequency Status (07-03-2022 to 21-03-2022)

| DISCOM | Total IDs | Frequency of Logins | | | | | | | Total Log Ins | <5 Login (%) | >5 Login (%) | Not Logged (%) |
|---|-------------|---------------------|------------|------------|------------|------------|------------|------------|---------------|---------------|---------------|----------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | >5 | | | | |
| PuVVNL | 1162 | 557 | 312 | 104 | 77 | 32 | 15 | 65 | 605 | 46.47% | 5.59% | 47.93% |
| MVVNL | 1041 | 521 | 151 | 78 | 39 | 31 | 23 | 198 | 520 | 30.93% | 19.02% | 50.05% |
| DVVNL | 930 | 329 | 200 | 115 | 74 | 41 | 35 | 136 | 601 | 50.00% | 14.62% | 35.38% |
| PVVNL | 1208 | 719 | 132 | 72 | 45 | 32 | 29 | 179 | 489 | 25.66% | 14.82% | 59.52% |
| KESCO | 131 | 53 | 24 | 10 | 6 | 8 | 11 | 19 | 78 | 45.04% | 14.50% | 40.46% |
| Total (07th March 22 to 21st Mar 22) | 4472 | 2179 | 819 | 379 | 241 | 144 | 113 | 597 | 2293 | 37.92% | 13.35% | 48.73% |
| (28th Feb 22 to 14th Mar 22) | 4472 | 1968 | 809 | 426 | 259 | 172 | 130 | 708 | 2504 | 40.16% | 15.83% | 44.01% |

Table 35 : DISCOM wise Not Logged Status (07-03-2022 to 21-03-2022)

| DISCOM | Chief Engineer | | Superintending Engineer | | Executive Engineer | | Assistant Engineer | | Junior Engineer | | Total | |
|--------------|----------------|------------|-------------------------|------------|--------------------|------------|--------------------|------------|-----------------|-------------|-------------|-------------|
| | Total no. | Not Logged | Total no. | Not Logged | Total no. | Not Logged | Total no. | Not Logged | Total no. | Not Logged | In no. | Not Logged |
| PuVVNL | 6 | 0 | 30 | 0 | 96 | 25 | 212 | 51 | 818 | 481 | 1162 | 557 |
| MVVNL | 6 | 0 | 29 | 0 | 104 | 12 | 266 | 128 | 636 | 381 | 1041 | 521 |
| DVVNL | 6 | 0 | 28 | 0 | 77 | 0 | 214 | 69 | 605 | 259 | 930 | 328 |
| PVVNL | 6 | 0 | 29 | 0 | 95 | 49 | 236 | 90 | 842 | 580 | 1208 | 719 |
| KESCO | 1 | 0 | 4 | 0 | 20 | 6 | 42 | 16 | 64 | 31 | 131 | 53 |
| Total | 25 | 0 | 120 | 0 | 392 | 92 | 970 | 354 | 2965 | 1732 | 4472 | 2178 |

Table 36 : Month wise -Manual Entry Status

| Manual Entry Parameter | UPPCL Summary (As on 21.03.2022) | | Monthly Data Entry (Jan-22) | | Monthly Data Entry (Feb-22) | | |
|---|-------------------------------------|--|--------------------------------|-------------------|--------------------------------|--------------------|----------------------------|
| | Target | | Monthly Data Entry | % Entry till date | % Entry till 14.03.2022 | Monthly Data Entry | % Entry till date 21.03.22 |
| | A | | B | C=B/A | D | E | F=E/A |
| Account Submitted upto (Division and SS level) | 3337 | | 423 | 12.68% | 6.77% | 265 | 7.94% |
| Review of Divisions (Circle level) | 120 | | 23 | 19.17% | 13.33% | 17 | 14.17% |
| Review of Sub Divisions (Division level) | 392 | | 65 | 16.58% | 8.67% | 37 | 9.44% |
| Energy Loss points (Substation Level) | 2965 | | 909 | 30.66% | 31.94% | 947 | 31.94% |

DT AUDITING

Table 37 : Urban Consumers (IPDS+RAPDRP) DT Indexing Progress (up to 21.03.2022)

| Discom | Billable Consumers as per Billing Master (Feb'22) | Indexing Done (In GIS System) | | | | | | Indexing Migrated in Billing System | | | |
|--------------|---|-------------------------------|--------------|------------------|----------------|----------------|--------------|-------------------------------------|--------------|----------------|--------------|
| | | Up to 14.03.2022 | | Up to 21.03.2022 | | | | Jan'22 | | Feb'22 | |
| | | Nos. | % | App | BackEnd | Total | % | Nos. | % | Nos. | % |
| 1 | 2 | 3 | 4=3/2 | 5 | 6 | 7 | 8=7/2 | 9 | 10=9/2 | 11 | 12=11/2 |
| PuVVNL | 2015205 | 1485055 | 73.7% | 317481 | 1167685 | 1485166 | 73.7% | 62144 | 3.1% | 1229662 | 61.0% |
| MVVNL | 2401389 | 1355246 | 56.4% | 82676 | 1275384 | 1358060 | 56.6% | 192689 | 8.0% | 1088022 | 45.3% |
| DVVNL | 1700289 | 1595735 | 93.9% | 259512 | 1336253 | 1595765 | 93.9% | 295724 | 17.4% | 300193 | 17.7% |
| PVVNL | 3121119 | 2798490 | 89.7% | 348755 | 2449743 | 2798498 | 89.7% | 158956 | 5.1% | 897506 | 28.8% |
| KESCO | 680040 | 676752 | 99.5% | 544607 | 132145 | 676752 | 99.5% | 670633 | 98.6% | 672966 | 99.0% |
| UPPCL | 9918042 | 7911278 | 79.8% | 1553031 | 6361210 | 7914241 | 79.8% | 1380146 | 13.9% | 4188349 | 42.2% |

Table 38 : DT Audit Status of selected IPDS Feeders (Feb'22)

| Zone | Total DTs | No. of DTs Audited | | Line Loss Slab Wise Status of Audited DTs | | | | | | | | | | | |
|--------|-----------|--------------------|--------|---|--------|---------|--------|---------|--------|---------|--------|-----------|--------|------------------|--------|
| | | | | Above 50% | | 30%-50% | | 15%-30% | | 10%-15% | | Below 10% | | Abnormal (< -5%) | |
| | | Jan'22 | Feb'22 | Jan'22 | Feb'22 | Jan'22 | Feb'22 | Jan'22 | Feb'22 | Jan'22 | Feb'22 | Jan'22 | Feb'22 | Jan'22 | Feb'22 |
| PuVVNL | 5558 | 820 | 859 | 547 | 545 | 61 | 61 | 24 | 36 | 9 | 6 | 16 | 33 | 163 | 178 |
| MVVNL | 5286 | 2666 | 2527 | 1507 | 1464 | 172 | 185 | 93 | 99 | 36 | 31 | 71 | 70 | 787 | 678 |
| DVVNL | 7346 | 5014 | 5292 | 3017 | 3171 | 417 | 358 | 204 | 212 | 83 | 47 | 150 | 139 | 1181 | 1365 |
| PVVNL | 3358 | 1730 | 2200 | 973 | 1293 | 152 | 207 | 71 | 85 | 20 | 19 | 53 | 79 | 461 | 517 |
| UPPCL | 21548 | 10230 | 10878 | 6044 | 6473 | 802 | 811 | 392 | 432 | 148 | 103 | 290 | 321 | 2592 | 2738 |
| % | | 47.5% | 50.5% | 59.1% | 59.5% | 7.8% | 7.5% | 3.8% | 4.0% | 1.4% | 0.9% | 2.8% | 3.0% | 25.3% | 25.2% |

Table 39: UPPCL - RAPDRP : DT Energy Audit Status Feb'22

| Discom | Total DTs | No. of DTs Audited | | Line Loss Slab Wise Status of Audited DTs | | | | | | | | | | | |
|--------------|--------------|--------------------|--------------|---|--------------|-------------|-------------|-------------|-------------|------------|------------|-------------|-------------|------------------|--------------|
| | | | | Above 50% | | 30%-50% | | 15%-30% | | 10%-15% | | Below 10% | | Abnormal (< -5%) | |
| | | Jan'22 | Feb'22 | Jan'22 | Feb'22 | Jan'22 | Feb'22 | Jan'22 | Feb'22 | Jan'22 | Feb'22 | Jan'22 | Feb'22 | Jan'22 | Feb'22 |
| PuVVNL | 19524 | 11702 | 11700 | 6098 | 5218 | 1238 | 1177 | 647 | 690 | 192 | 203 | 481 | 555 | 3046 | 3857 |
| MVVNL | 10183 | 5446 | 5279 | 3475 | 2787 | 492 | 614 | 229 | 312 | 54 | 70 | 166 | 181 | 1030 | 1315 |
| DVVNL | 17473 | 10580 | 10913 | 6347 | 5693 | 1087 | 902 | 590 | 604 | 136 | 210 | 380 | 488 | 2040 | 3016 |
| PVVNL | 23027 | 11121 | 11535 | 5505 | 4988 | 1223 | 1125 | 716 | 731 | 191 | 201 | 463 | 587 | 3023 | 3903 |
| KESCO | 6918 | 5738 | 6177 | 1990 | 1039 | 767 | 488 | 547 | 392 | 156 | 156 | 354 | 1482 | 1924 | 2620 |
| UPPCL | 77125 | 44587 | 45604 | 23415 | 19725 | 4807 | 4306 | 2729 | 2729 | 729 | 840 | 1844 | 3293 | 11063 | 14711 |
| % | | 57.8% | 59.1% | 52.5% | 43.3% | 10.8% | 9.4% | 6.1% | 6.0% | 1.6% | 1.8% | 4.1% | 7.2% | 24.8% | 32.3% |

Table 40 : UPPCL - IPDS : DT Energy Audit Status Feb'22

| Zone | Total DTs | No. of DTs Audited | | Line Loss Slab Wise Status of Audited DTs | | | | | | | | | | | |
|--------------|--------------|--------------------|--------------|---|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|-------------|
| | | | | Above 50% | | 30%-50% | | 15%-30% | | 10%-15% | | Below 10% | | Abnormal (< -5%) | |
| | | Jan'22 | Feb'22 | Jan'22 | Feb'22 | Jan'22 | Feb'22 | Jan'22 | Feb'22 | Jan'22 | Feb'22 | Jan'22 | Feb'22 | Jan'22 | Feb'22 |
| PuVVNL | 5558 | 820 | 859 | 547 | 545 | 61 | 61 | 24 | 36 | 9 | 6 | 16 | 33 | 163 | 178 |
| MVVNL | 5286 | 2666 | 2527 | 1507 | 1464 | 172 | 185 | 93 | 99 | 36 | 31 | 71 | 70 | 787 | 678 |
| DVVNL | 7346 | 5014 | 5292 | 3017 | 3171 | 417 | 358 | 204 | 212 | 83 | 47 | 150 | 139 | 1181 | 1365 |
| PVVNL | 3358 | 1730 | 2200 | 973 | 1293 | 152 | 207 | 71 | 85 | 20 | 19 | 53 | 79 | 461 | 517 |
| UPPCL | 21548 | 10230 | 10878 | 6044 | 6473 | 802 | 811 | 392 | 432 | 148 | 103 | 290 | 321 | 2592 | 2738 |
| % | | 47.5% | 50.5% | 59.1% | 59.5% | 7.8% | 7.5% | 3.8% | 4.0% | 1.4% | 0.9% | 2.8% | 3.0% | 25.3% | 25.2% |

ACTIVITIES CARRIED OUT AT UPPCL DISCOMS

Project Area: - PuVVNL

Energy Audit of 11 KV Feeders:

- ✦ Energy Audit Report of Feb'22 submitted to Director-Commercial –PuVVNL, S.E-Commercial and Chief Engineers of Varanasi, Allahabad, Gorakhpur, Basti, and Mirzapur & Azamgarh Zone for taking actions.
- ✦ Tagging Status of RAPDRP and Non-RAPDRP Consumers prepared and submitted.
- ✦ Zero input energy cases against the feeders discussed and follow ups were made by Zonal Engineers for correction of the same with concerned EE-Test wherever required.
- ✦ Input Energy details of 11 KV feeders (Feb'22) of Varanasi, Prayagraj, Gorakhpur, Basti, Azamgarh & Mirzapur Zone were taken and Energy Audit report of all Zones prepared. Thus, completed the task of taking input energy & making EA report-RAPDRP & Rural (Feb'22) of all Zones of PuVVNL in Mar'22.
- ✦ Monthly and Progressive -EA reports (RAPDRP & Rural) – Feb'22 of all 6 Zones – Varanasi, Prayagraj, Gorakhpur, Basti, Mirzapur & Azamgarh zones prepared.
- ✦ Prepared various MISs of selected high Loss feeders and submitted.
- ✦ Preparation of various reports of substation dashboard, division dashboards parameter as per requirements of Discom.
- ✦ Prepared and submitted High Loss Substations details of PuVVNL as per requirement of Director –Commercial PuVVNL.
- ✦ Prepared and submitted regular reports of selected 11 nos. IPDS town -High loss Feeders for DT metering status and tagging status.
- ✦ Zonal Engineer Deputed at Zones followed up and helped their zones in correction and completion of Tagging along with facilitation for reduction in abnormal AT&C feeders of their zones.

Project Area: - MVVNL

Commercial Parameter Reports

- ✦ The comparative analysis of commercial parameters was done at DISCOM level, where report of IDF, ADF, RDF, CDF, NA, NR, ARREAR, NEVER PAID, TD is submitted at MVVNL Discom and Zones (Ayodhya, Bareilly, Devipatan, LESA CG, Lesa TG & Lucknow)
- ✦ The reports were shared with MD, Director-Commercial, Chief Engineer-Commercial & SE-Comm (Nodal officer-SARTHI) at DISCOM level. The reports were also shared at zonal Chief Engineers by respective Zonal Engineers. All reports were officially submitted at each zone as well.
- ✦ Feeder wise commercial report for selected High Loss Feeders for all the six Zones of MVVNL prepared for circulation to DISCOM and respective Zones.

Energy Audit of 11 KV feeders & Analysis of Key Commercial Parameters

- ✦ Rigorous analysis was done at DISCOM level and Zonal level, matching of feeders present in RAPDRP & Non-RAPDRP Billing Masters with the feeders for which input energy is received from all 6 zones.
- ✦ The feeders which were not present in billing master (but input was received) were discussed with field staff (Xen-Test Div).
- ✦ Audit of 1691 No. 11kV feeders are done for RAPDRP & Audit of 2507 No. 11kV Feeders are done for Non-RAPDRP.
- ✦ All the reports were shared with MD – MVVNL, Director-Commercial, Chief Engineer-Commercial & SE- Comm. (Nodal officer-SARTHI) DISCOM level & respective zonal Chief Engineers at zonal level. The reports were also submitted officially at each zone and DISCOM.

Other activities/reports

- ✦ Trend analysis of the selected high loss feeders done. List of the feeders shared with the respective Zonal Chief Engineer & Nodal DISCOM Energy Audit to take corrective action.
- ✦ Trend analysis of the 81 selected high loss feeders was done. List of the feeders shared with the respective Zonal Chief Engineer & Nodal DISCOM Energy Audit to take corrective action.
- ✦ Agricultural feeder status prepared and distributed.
- ✦ DIVISION DASHBOARD zone wise Parameters prepared and distributed.

Project Area: - DVVNL

Energy Audit of 11 KV Feeders:

Feeder wise Energy Audit done as per Input Energy provided by Xen (T) for RAPDRP Towns (All Zones) and Non-RAPDRP Towns and report of the same submitted to Director (Comm.), Chief Engineer (C), Nodal RAPDRP and All CZE. Also, adequate measures being taken for Energy Audit in consent with Nodal Officer RAPDRP and Chief Engineers.

- ✦ In RAPDRP Master, New Code replaced against each Account ID and submitted to Nodal for updation in Billing Master. Feeder Code Replacement against Non-RAPDRP also being done.
- ✦ Analysis was done at DISCOM level and Zonal level, matching of feeders present in RAPDRP & Non-RAPDRP Billing Masters with the feeders for which input energy is received from all 6 zones.
- ✦ Audit of 718 No. 11kV feeders are done for RAPDRP & Audit of 3868 No. 11kV Feeders are done for Non-RAPDRP.
- ✦ Also follow up done for the Action Taken Report on previously submitted EA Reports.

Training and Calculation of Energy Audit (Distribution Transformer)

- ✦ DT wise audit carried out in DVVNL for IPDS Area & RADRP Area and 5292 No, 10913 No. DTs audited respectively.

- ✦ Training Given to Discom Team about DT Wise Audit Preparation and Prepared multiple Spreadsheet for Monitoring and Data Collections
- ✦ Helping DISCOM in making presentation of DT Wise Audit for top management review.

Commercial Data Analysis

Customized Commercial reports provided to DVVNL Commercial Office and other Offices based on the databases of RAPDRP and Non-RAPDRP. Some major reports are:

- ✓ First Bill Not Issued/First Bill Not Generated (Tenure wise)
- ✓ Arrear Reports (Reading Based/Overall/or other customized reports)
- ✓ Status of Provisional Billing (IDF/ADF/RDF/CDF)
- ✓ Age Analysis of Faulty Meters and Zero Unit Billed Cases
- ✓ Meter Faulty with their comparison with Last Month
- ✓ Commercial Parameter (Collection/Billing Efficiency and Other Reports)
- ✓ Unbilled-Unpaid Summary of Non-RAPDRP
- ✓ Commercial Parameters of RAPDRP and NON-RAPDRP.
- ✓ Other Data related to CT PT Ratio/MF Verification
- ✓ Wrong Supply Type Cases (billed in Wrong Supply Type) for both RAPDRP/Non-RAPDRP
- ✓ Provided Details of those consumers which are not billed in Last 6 Months (Difference between Billed and Billable Consumer as per EA Reports)
- ✓ RAPDRP Load Enhancement Report (MDI Higher than the sanction Load last 3 Continuous Month)

Other activities/reports

- ✦ Trend analysis of the selected high loss feeders done. List of the feeders shared with the respective Zonal Chief Engineer & Nodal DISCOM Energy Audit to take corrective action.
- ✦ Trend analysis of the selected high loss feeders and Substation as per their Loss Category.
- ✦ Agricultural feeder status prepared and distributed.
- ✦ Feeder wise Customized reports prepared and shared with Discom officials for the preparation of DPR of Revamped Scheme and Participation in related VC as per requirement.
- ✦ Preparation of various reports of substation dashboard, division dashboards parameter as per requirements of Discom.
- ✦ Prepared and submitted High Loss Substations details of DVVNL as per requirement of Director –Commercial DVVNL
- ✦ Multiple commercials reports being prepared and submitted by Zonal Engineers in their respective zones. They are also facilitating Zonal Staff for conducting Energy Audit.

Project Area: - PVVNL

Energy Audit of 11 KV Feeders:

- ✦ Energy Audit Report of Feb'22 prepared and submitted to Director-Commercial –PVVNL, S.E-Commercial and Chief Engineers of all Zone of PVVNL for taking actions.
- ✦ Tagging Status of RAPDRP and Non-RAPDRP Consumers prepared and submitted.

- ✦ Zero input energy cases against the feeders discussed and follow ups were made by Zonal Engineers for correction of the same with concerned EE-Test wherever required.
- ✦ Input Energy details of 11 KV feeders (Feb'22) of Meerut, Ghaziabad, Noida, Saharanpur, Moradabad & Bulandshahar Zones were taken and Energy Audit report of all Zones prepared. Thus, completed the task of taking input energy & making EA report-RAPDRP & Rural (Feb'22) of all Zones of PVVNL in Mar'22.
- ✦ Monthly and Progressive -EA reports (RAPDRP & Rural) – Feb'22 of all 6 Zones – Meerut, Ghaziabad, Noida, Saharanpur, Moradabad & Bulandshahar zones prepared.
- ✦ Prepared various MISs of selected high Loss feeders and submitted.
- ✦ Preparation of various reports of substation dashboard, division dashboards parameter as per requirements of Discom.
- ✦ Prepared and submitted High Loss Substations details of PVVNL as per requirement of Director –Commercial PVVNL.
- ✦ Prepared and submitted regular reports of selected 11 nos. IPDS town -High loss Feeders for DT metering status and tagging status.
- ✦ Zonal Engineer Deputed at Zones followed up and helped their zones in correction and completion of Tagging along with facilitation for reduction in abnormal AT&C feeders of their zones.

Commercial Parameter Reports

- ✦ The comparative analysis of commercial parameters was done at DISCOM level, where report of IDF, ADF, RDF, CDF, NA, NR, ARREAR, NEVER PAID, TD is submitted at PVVNL Discom and Zones (Meerut, Ghaziabad, Noida, Saharanpur, Moradabad & Bulandshahr)

Project Area: - KESCO

Commercial Parameter Reports

- ✦ After receiving Master Billing data for Feb'22, comparative analysis of commercial parameters done at DISCOM level. MIS reports (Provisional billing cases, reading based arrears, first bill pending cases, Meter faulty cases and Feeder Tagging Status of New Connections & No Feeder consumer count) were generated.
- ✦ All reports namely Feeder wise commercial parameters, commercial parameters comparison report & ABC category wise report submitted and discussed with MD, Director (Comm.), Director-Tech., Chief Engineer & SE(Comm.) at DISCOM level. These reports were also shared with MD, Director-Technical, Chief Engineer KESCO and all EE's & SE's.

Energy Audit of 11 KV Feeders & Analysis of key commercial parameters

- ✦ Analysis done at DISCOM level to remove the mismatch of feeders, present in billing master with the feeders for which input energy received from all four Test circles.

- ✦ List of all untagged consumers provided to KESCO Management and IT Cell for further updation. The same was tagged by IT Cell and they provided the updated billing master with all tagged consumers.
- ✦ All feeders matching improved which were available in Feb'22 billing master. 100% feeders from billing master matched with input energy provided by Test department of KESCO. However, the energy audit was done with the corrected data.

All the reports shared with Director-Technical, Chief Engineer at DISCOM. These reports also submitted officially at KESCO DISCOM.

Line Loss of DTR & Analysis of Unmetered DTRs

- ✦ Analysis done at DISCOM level to remove the mismatch of DTRs, present in billing master with the input energy received from Energy (Axis) Portal.
- ✦ List of all untagged consumers provided to KESCO Management and IT Cell for further updation. The same was tagged by IT Cell and they provided the updated billing master with all tagged consumers.
- ✦ DT mapping from DT level to upstream were asked from Division and same has been compiled to update on Energy Portal so that exact energy can be identified against the each DTR.
- ✦ Overall DT line loss has been calculated for all the DTs whose energy is available on Energy portal and rest were calculated by Estimation basis.
- ✦ Exceptional cases of consumers whose DT code is not as per defined nomenclature were identified and share with division periodically.

All the reports shared with Director-Technical, Chief Engineer at DISCOM. These reports also submitted officially at KESCO DISCOM.

Other activities/reports

- ✦ Submitted a report of those feeders for which input energy received in Omni Net Portal but not updated in billing master.
- ✦ Analysis for Zero input Energy and Energy not filled in Omni Net done and prepare the report after discussion with concern EE's and SDO's.

REVIEW MEETING STATUS: UPPCL AND ITS DISCOMS LEVEL

At UPPCL Level

- ✦ Review meeting of DT Energy Audit/Critical Parameter Dashboard with UPPCL Management on 8th, 15th and 22nd Mar'22.

At DISCOM Level:

PuVVNL

- ✦ Review Meeting held with DISCOM Officials on 21st Mar'22 regarding Division wise high loss feeders.

MVVNL

- ✦ Review Meeting held with DISCOM Officials on 24th Mar'22 regarding Feeder Energy Audit, DT Audit related activities.

DVVNL

Review Meeting held with DISCOM Officials on 22th Mar'22 regarding Feeder Energy Audit, Commercial Parameter Analysis, DT Audit related activities.

KESCO

- ✦ Review Meeting held with DISCOM Officials on 25th Mar'22 regarding DT Audit related activities and high value defaulters.



Note: Above mentioned reports have been made on the basis of analysis of Monthly Input Energy from Energy Account Directorate and UPPCL Billing masters of Urban, Rural and KESCO.