



Approval of ARR and Tariff for State Discoms for FY 2020-21, APR of FY 2019-20 and True-up of FY 2018-19



UTTAR PRADESH ELECTRICITY REGULATORY COMMISSION

LUCKNOW

Petition No. 1595 / 2020, 1597 / 2020, 1598 / 2020, 1596 /2020 and 1594 / 2020

TRUING UP OF TARIFF FOR FY 2018-19, ANNUAL PERFORMANCE REVIEW (APR) FOR FY 2019-20

AND

APPROVAL OF AGGREGATE REVENUE REQUIREMENT AND TARIFF FOR FY 2020-21

FOR

Dakshinanchal Vidyut Vitran Nigam Ltd., Agra (DVVNL)- (Petition No. 1595 / 2020)

Madhyanchal Vidyut Vitran Nigam Ltd., Lucknow (MVVNL)- (Petition No. 1597 / 2020)

Pashchimanchal Vidyut Vitran Nigam Ltd., Meerut (PVVNL)- (Petition No. 1598 / 2020)

Purvanchal Vidyut Vitran Nigam Ltd., Varanasi (PuVVNL)- (Petition No. 1596 /2020)

Kanpur Electricity Supply Company Ltd., Kanpur (KESCO)- (Petition No. 1594 / 2020)

ORDER UNDER SECTIONS 62 & 64 OF

THE ELECTRICITY ACT, 2003

November 11, 2020



Table of Contents

| | | |
|------|---|-----|
| 1. | BACKGROUND AND BREIF HISTORY | 27 |
| 1.1. | BACKGROUND | 27 |
| 1.2. | DISTRIBUTION TARIFF REGULATIONS..... | 28 |
| 2. | PROCEDURAL HISTORY | 29 |
| 2.1. | BUSINESS PLAN, MULTI YEAR ARR & TARIFF AND TRUE UP PETITION BY THE LICENSEES 29 | |
| 2.2. | SUO-MOTO PROCEEDINGS ON ANNUAL PERFORMANCE REVIEW (APR) FOR FY 2017-18, AGGREGATE REVENUE REQUIREMENT (ARR) FOR FY 2018-19 AND PETITION FOR TRUE UP OF ARR FOR FY 2015-16 and FY 2016-17 FILED BY THE PETITIONERS | 29 |
| 2.3. | DETERMINATION OF TARIFF, ANNUAL PERFORMANCE REVIEW (APR) AND TRUING UP OF TARIFF | 29 |
| 2.4. | PRELIMINARY SCRUTINY OF THE FILINGS..... | 32 |
| 2.5. | ADMITTANCE OF THE TRUE-UP, APR AND ARR / TARIFF FILINGS | 33 |
| 2.6. | PUBLICITY OF THE LICENSEES FILINGS..... | 34 |
| 3. | PUBLIC HEARING PROCESS | 35 |
| 3.1. | PUBLIC HEARING | 35 |
| 3.2. | VIEWS / COMMENTS / SUGGESTIONS / OBJECTIONS / REPRESENTATIONS ON TRUE-UP, APR AND ARR / TARIFF FILINGS..... | 35 |
| 4. | TRUING UP OF AGGREGATE REVENUE REQUIREMENT FOR FY 2018-19 | 158 |
| 4.1. | INTRODUCTION | 158 |
| 4.2. | CONSUMPTION PARAMETERS: CONSUMER NUMBERS, CONNECTED LOAD AND SALES 158 | |
| 4.3. | DISTRIBUTION LOSSES | 167 |
| 4.4. | POWER PURCHASE EXPENSES..... | 168 |
| 4.5. | TRANSMISSION CHARGES..... | 194 |
| 4.6. | O&M EXPENSES | 194 |
| 4.7. | CAPITAL INVESTMENTS & FINANCING OF CAPITAL INVESTMENTS | 220 |
| 4.8. | INTEREST AND FINANCE CHARGES..... | 235 |



| | | |
|-------|--|-----|
| 4.9. | INTEREST ON WORKING CAPITAL..... | 242 |
| 4.10. | DEPRECIATION..... | 248 |
| 4.11. | PROVISION FOR BAD AND DOUBTFUL DEBT | 252 |
| 4.12. | RETURN ON EQUITY..... | 254 |
| 4.13. | DEEMED REVENUE | 257 |
| 4.14. | SUBSIDY FROM GOUP..... | 258 |
| 4.15. | NON-TARIFF INCOME | 259 |
| 4.16. | REVENUE FROM SALE OF POWER | 264 |
| 4.17. | ARR AND REVENUE GAP / (SURPLUS) FOR DY 2018-19 AFTER TRUING UP | 264 |
| 5. | ANNUAL PERFORMANCE REVIEW OF FY 2019-20 | 274 |
| 5.1. | INTRODUCTION | 274 |
| 5.2. | BILLING DETERMINANTS: NUMBER OF CONSUMERS AND CONNECTED LOAD | 276 |
| 5.3. | ENERGY SALES | 281 |
| 5.4. | DISTRIBUTION LOSS..... | 285 |
| 5.5. | POWER PURCHASE QUANTUM AND COST | 287 |
| 5.6. | ENERGY BALANCE | 297 |
| 5.7. | INTRA STATE TRANSMISSION CHARGES | 298 |
| 5.8. | O&M EXPENSES | 299 |
| 5.9. | O&M COST OF UPPCL | 310 |
| 5.10. | O&M EXPENSES | 311 |
| 5.11. | CAPITAL INVESTMENT | 314 |
| 5.12. | FINANCING OF THE CAPITAL INVESTMENT | 318 |
| 5.13. | GROSS FIXED ASSETS (GFA) AND DEPRECIATION..... | 320 |
| 5.14. | INTEREST ON LONG TERM LOANS..... | 324 |
| 5.15. | INTEREST ON WORKING CAPITAL..... | 327 |
| 5.16. | INTEREST ON CONSUMER SECURITY DEPOSIT | 330 |
| 5.17. | INTEREST AND FINANCE CHARGES..... | 332 |
| 5.18. | PROVISION FOR DOUBTFUL DEBT | 335 |
| 5.19. | RETURN ON EQUITY..... | 336 |
| 5.20. | CONTRIBUTION TO CONTINGENCY RESERVE..... | 338 |



| | |
|--|-----|
| 5.21. NON-TARIFF INCOME | 339 |
| 5.22. GOUP SUBSIDY | 340 |
| 5.23. REVENUE FROM SALE OF POWER | 341 |
| 5.24. ARR AND REVENUE GAP | 344 |
| 6. AGGREGATE REVENUE REQUIREMENT & TARIFF FOR FY 2020-21..... | 353 |
| 6.1. INTRODUCTION | 353 |
| 6.2. CONSUMPTION PARAMETERS: NO. OF CONSUMERS, CONNECTED LOAD AND SALES..... | 353 |
| 6.3. DISTRIBUTION LOSS..... | 363 |
| 6.4. ENERGY BALANCES | 364 |
| 6.5. POWER PURCHASE COST | 366 |
| 6.6. TRANSMISSION CHARGES..... | 392 |
| 6.7. O&M EXPENSES..... | 392 |
| 6.8. GFA BALANCES AND CAPITAL FORMATION ASSUMPTIONS..... | 421 |
| 6.9. FINANCING OF CAPITAL INVESTMENT | 443 |
| 6.10. DEPRECIATION..... | 457 |
| 6.11. INTEREST CHARGES | 472 |
| 6.12. SUMMARY OF INTEREST CHARGES | 486 |
| 6.13. RETURN ON EQUITY..... | 490 |
| 6.14. PROVISION ON BAD AND DOUBTFULL DEBT | 495 |
| 6.15. NON-TARIFF INCOME | 497 |
| 6.16. GOUP SUBSIDY | 498 |
| 6.17. REVENUE FROM SALE OF ELECTRICITY | 500 |
| 6.18. ARR AND REVENUE GAP | 511 |
| 7. OPEN ACCESS CHARGES..... | 517 |
| 7.1. BACKGROUND | 517 |
| 7.2. OPEN ACCESS CHARGES..... | 518 |
| 7.3. WHEELING CHARGES | 518 |
| 7.4. CROSS SUBSIDY SURCHARGE | 524 |
| 8. TARIFF PHILOSOPHY..... | 528 |
| 8.1. CONSIDERATIONS IN TARIFF DESIGN | 528 |



| | | |
|-------|---|-----|
| 9. | REVENUE GAP | 531 |
| 9.1. | REVENUE FROM SALE OF POWER AT APPROVED TARIFF | 531 |
| 9.2. | AVERAGE COST OF SUPPLY | 533 |
| 10. | DIRECTIVES..... | 535 |
| 10.1. | COMPLIANCE WITH DIRECTIVES ISSUED IN THE ORDER DATED SEPTEMBER 03, 2019 | 535 |
| 10.2. | DIRECTIVES ISSUED IN THIS ORDER..... | 538 |
| 11. | APPLICABILITY OF THE ORDER | 540 |
| 12. | ANNEXURES..... | 541 |
| 12.1. | RATE SCHEDULE FOR FY 2020-21 | 542 |
| 12.2. | LIST OF PERSONS WHO HAVE ATTENDED PUBLIC HEARING | 592 |
| 12.3. | SUB-CATEGORY WISE AVERAGE BILLING RATE FOR FY 2020-21 | 595 |
| 12.4. | ADMITANCE ORDER..... | 598 |



LIST OF TABLES

| | |
|---|-----|
| TABLE 4-1: BILLING DETERMINANTS OF DVVNL FOR FY 2018-19 | 159 |
| TABLE 4-2: BILLING DETERMINANTS OF MVVNL FOR FY 2018-19 | 160 |
| TABLE 4-3: BILLING DETERMINANTS OF PVVNL FOR FY 2018-19..... | 160 |
| TABLE 4-4: BILLING DETERMINANTS OF PUVVNL FOR FY 2018-19 | 161 |
| TABLE 4-5: BILLING DETERMINANTS OF KESCO FOR FY 2018-19 | 162 |
| TABLE 4-6:CONSOLIDATED BILLING DETERMINANTS FOR FY 2018-19 AS SUBMITTED BY THE PETITIONER | 163 |
| TABLE 4-7: NORMS OF DVVNL FOR SALES FOR FY 2018-19 | 164 |
| TABLE 4-8: NORMS OF MVVNL FOR SALES FOR FY 2018-19 | 165 |
| TABLE 4-9: NORMS OF PVVNL FOR SALES FOR FY 2018-19 | 166 |
| TABLE 4-10: NORMS OF PUVVNL FOR SALES FOR FY 2018-19 | 166 |
| TABLE 4-11: CONSOLIDATED NORMS OF STATE DISCOMS FOR SALES FOR FY 2018-19 | 167 |
| TABLE 4-12: BULK SUPPLY TARIFF AS CLAIMED BY THE STATE DISCOMS FOR FY 2018-19 | 168 |
| TABLE 4-13: BULK SUPPLY TARIFF AS CLAIMED BY THE STATE DISCOMS FOR FY 2018-19 | 169 |
| TABLE 4-14:BULK SUPPLY TARIFF CLAIMED FOR FY 2018-19 (5 DISCOMS) | 174 |
| TABLE 4-15: BULK SUPPLY TARIFF AS CLAIMED BY THE STATE DISCOMS FOR FY 2018-19 | 175 |
| TABLE 4-16:POWER PURCHASE COST OF DVVNL FOR FY 2018-19..... | 175 |
| TABLE 4-17:POWER PURCHASE COST OF MVVNL FOR FY 2018-19..... | 175 |
| TABLE 4-18:POWER PURCHASE COST OF PVVNL FOR FY 2018-19 | 176 |
| TABLE 4-19:POWER PURCHASE COST OF PUVVNL FOR FY 2018-19..... | 176 |
| TABLE 4-20:POWER PURCHASE COST OF KESCO FOR FY 2018-19 | 176 |
| TABLE 4-21:TOTAL POWER PURCHASE COST CLAIMED FOR FY 2018-19 (5 DISCOMS)..... | 177 |
| TABLE 4-22: APPROVED BULK TARIFF FOR FY 2018-19..... | 178 |
| TABLE 4-23: APPROVED POWER PURCHASE COST FOR FY 2018-19 (IN RS. CRORE)..... | 179 |
| TABLE 4-24: DISALLOWANCE IN PPC FOR FY 2018-19 (RS. CRORE)..... | 179 |
| TABLE 4-25: POWER PURCHASE APPROVED FOR FY 2018-19 (RS. CRORE) | 180 |
| TABLE 4-26:EFFICIENCY GAINS/LOSSES CLAIMED ON ACCOUNT OF VARIATION IN DISTRIBUTION LOSSES OF DVVNL FOR FY 2018-19..... | 181 |
| TABLE 4-27:EFFICIENCY GAINS/LOSSES CLAIMED ON ACCOUNT OF VARIATION IN DISTRIBUTION LOSSES OF MVVNL FOR FY 2018-19..... | 182 |
| TABLE 4-28:EFFICIENCY GAINS/LOSSES CLAIMED ON ACCOUNT OF VARIATION IN DISTRIBUTION LOSSES OF PVVNL FOR FY 2018-19 | 182 |
| TABLE 4-29:EFFICIENCY GAINS/LOSSES CLAIMED ON ACCOUNT OF VARIATION IN DISTRIBUTION LOSSES OF PUVVNL FOR FY 2018-19..... | 182 |
| TABLE 4-30:EFFICIENCY GAINS/LOSSES CLAIMED ON ACCOUNT OF VARIATION IN DISTRIBUTION LOSSES OF KESCO FOR FY 2018-19 | 183 |
| TABLE 4-31:CONSOLIDATED EFFICIENCY GAINS/LOSSES CLAIMED ON ACCOUNT OF VARIATION IN DISTRIBUTION LOSSES OF 5 STATE DISCOMS FOR FY 2018-19 | 183 |



| | |
|--|-----|
| TABLE 4-32:AT&C LOSS COMPUTATION AS PER ANNEXURE B OF MYT REGULATION, 2014 OF DVVNL FOR FY 2018-19 | 184 |
| TABLE 4-33:AT&C LOSS COMPUTATION AS PER ANNEXURE B OF MYT REGULATION, 2014 OF MVVNL FOR FY 2018-19 | 184 |
| TABLE 4-34:AT&C LOSS COMPUTATION AS PER ANNEXURE B OF MYT REGULATION, 2014 OF PVVNL FOR FY 2018-19 | 185 |
| TABLE 4-35:AT&C LOSS COMPUTATION AS PER ANNEXURE B OF MYT REGULATION, 2014 OF PUVVNL FOR FY 2018-19 | 186 |
| TABLE 4-36: AT&C LOSS COMPUTATION AS PER ANNEXURE B OF MYT REGULATION, 2014 OF KESCO FOR FY 2018-19..... | 187 |
| TABLE 4-37: EFFICIENCY GAINS/(LOSSES) CLAIMED ON ACCOUNT OF VARIATION OF COLLECTION EFFICIENCY COMPONENT OF AT&C LOSS OF DVVNL FOR FY 2018-19..... | 188 |
| TABLE 4-38: EFFICIENCY GAINS/(LOSSES) CLAIMED ON ACCOUNT OF VARIATION OF COLLECTION EFFICIENCY COMPONENT OF AT&C LOSS OF MVVNL FOR FY 2018-19 | 188 |
| TABLE 4-39: EFFICIENCY GAINS/(LOSSES) CLAIMED ON ACCOUNT OF VARIATION OF COLLECTION EFFICIENCY COMPONENT OF AT&C LOSS OF PVVNL FOR FY 2018-19 | 188 |
| TABLE 4-40: EFFICIENCY GAINS/(LOSSES) CLAIMED ON ACCOUNT OF VARIATION OF COLLECTION EFFICIENCY COMPONENT OF AT&C LOSS OF PUVVNL FOR FY 2018-19..... | 189 |
| TABLE 4-41: EFFICIENCY GAINS/(LOSSES) CLAIMED ON ACCOUNT OF VARIATION OF COLLECTION EFFICIENCY COMPONENT OF AT&C LOSS OF KESCO FOR FY 2018-19..... | 189 |
| TABLE 4-42: CONSOLIDATED EFFICIENCY GAINS/(LOSSES) CLAIMED ON ACCOUNT OF VARIATION OF COLLECTION EFFICIENCY COMPONENT OF AT&C LOSS OF 5 STATE DISCOMS FOR FY 2018-19 | 189 |
| TABLE 4-43: SHARING OF DISTRIBUTION GAINS/LOSSES AND COLLECTION EFFICIENCY COMPONENT OF AT&C LOSS OF DVVNL FOR FY 2018-19 (RS CRORE)..... | 190 |
| TABLE 4-44: SHARING OF DISTRIBUTION GAINS/LOSSES AND COLLECTION EFFICIENCY COMPONENT OF AT&C LOSS OF MVVNL FOR FY 2018-19 (RS CRORE) | 190 |
| TABLE 4-45: SHARING OF DISTRIBUTION GAINS/LOSSES AND COLLECTION EFFICIENCY COMPONENT OF AT&C LOSS OF PVVNL FOR FY 2018-19 (RS CRORE) | 190 |
| TABLE 4-46: SHARING OF DISTRIBUTION GAINS/LOSSES AND COLLECTION EFFICIENCY COMPONENT OF AT&C LOSS OF PUVVNL FOR FY 2018-19 (RS CRORE)..... | 190 |
| TABLE 4-47: SHARING OF DISTRIBUTION GAINS/LOSSES AND COLLECTION EFFICIENCY COMPONENT OF AT&C LOSS OF KESCO FOR FY 2018-19 (RS CRORE)..... | 191 |
| TABLE 4-48: CONSOLIDATED SHARING OF DISTRIBUTION GAINS/LOSSES AND COLLECTION EFFICIENCY COMPONENT OF AT&C LOSS OF 5 STATE DISCOMS FOR FY 2018-19 (RS CRORE) .. | 191 |
| TABLE 4-49: TOTAL GAIN / LOSS SHARING ON EFFICIENCY AS CLAIMED BY PETITIONERS FOR FY 2018-19..... | 191 |
| TABLE 4-50: APPROVED EFFICIENCY GAINS FOR FY 2018-19 | 193 |
| TABLE 4-51:INTRASTATE TRANSMISSION CHARGES FOR FY 2018-19 (5 DISCOMS) | 194 |



| | |
|--|-----|
| TABLE 4-52:NORMATIVE EMPLOYEE EXPENSE OF DVVNL FOR FY 2018-19 (RS. CRORE)..... | 200 |
| TABLE 4-53:NORMATIVE EMPLOYEE EXPENSE OF MVVNL FOR FY 2018-19 (RS. CRORE)..... | 200 |
| TABLE 4-54:NORMATIVE EMPLOYEE EXPENSE OF PVVNL FOR FY 2018-19 (RS. CRORE) | 201 |
| TABLE 4-55:NORMATIVE EMPLOYEE EXPENSE OF PUVVNL FOR FY 2018-19 (RS. CRORE)..... | 201 |
| TABLE 4-56:NORMATIVE EMPLOYEE EXPENSE OF KESCO FOR FY 2018-19 (RS. CRORE) | 202 |
| TABLE 4-57:NORMATIVE A&G OF DVVNL FOR FY 2018-19 (RS. CRORE) | 202 |
| TABLE 4-58:NORMATIVE A&G OF MVVNL FOR FY 2018-19 (RS. CRORE) | 203 |
| TABLE 4-59:NORMATIVE A&G OF PVVNL FOR FY 2018-19 (RS. CRORE)..... | 203 |
| TABLE 4-60:NORMATIVE A&G OF PUVVNL FOR FY 2018-19 (RS. CRORE) | 203 |
| TABLE 4-61:NORMATIVE A&G OF KESCO FOR FY 2018-19 (RS. CRORE)..... | 204 |
| TABLE 4-62:NORMATIVE R&M OF DVVNL FOR FY 2018-19 (RS. CRORE)..... | 204 |
| TABLE 4-63:NORMATIVE R&M OF MVVNL FOR FY 2018-19 (RS. CRORE)..... | 204 |
| TABLE 4-64:NORMATIVE R&M OF PVVNL FOR FY 2018-19 (RS. CRORE) | 205 |
| TABLE 4-65:NORMATIVE R&M OF PUVVNL FOR FY 2018-19 (RS. CRORE) | 205 |
| TABLE 4-66:NORMATIVE R&M OF KESCO FOR FY 2018-19 (RS. CRORE) | 205 |
| TABLE 4-67: GST COMPUTATION AS SUBMITTED BY PVVNL (RS. CRORE)..... | 207 |
| TABLE 4-68: GST COMPUTATION AS SUBMITTED BY PUVVNL (RS. CRORE) | 207 |
| TABLE 4-69: HOLDING COMPANY EXPENSES PROJECTED FOR FY 2014-15 | 211 |
| TABLE 4-70: UPPCL O&M EXPENSES ALLOCATED AMONG DISCOMS AS PER PETITIONER'S SUBMISSION FOR FY 2018-19..... | 212 |
| TABLE 4-71: O&M EXPENSES OF DVVNL AS APPROVED BY THE COMMISSION FOR FY 2018-19 (RS. CRORE)..... | 216 |
| TABLE 4-72: O&M EXPENSES OF MVVNL AS APPROVED BY THE COMMISSION FOR FY 2018-19 (RS. CRORE)..... | 216 |
| TABLE 4-73: O&M EXPENSES OF PVVNL AS APPROVED BY THE COMMISSION FOR FY 2018-19 (RS. CRORE)..... | 217 |
| TABLE 4-74: O&M EXPENSES OF PUVVNL AS APPROVED BY THE COMMISSION FOR FY 2018-19 (RS. CRORE)..... | 217 |
| TABLE 4-75: O&M EXPENSES OF KESCO AS APPROVED BY THE COMMISSION FOR FY 2018-19 (RS. CRORE)..... | 218 |
| TABLE 4-76: CONSOLIDATED O&M EXPENSES OF STATE DISCOMS AS APPROVED BY THE COMMISSION FOR FY 2018-19 (RS. CRORE)..... | 218 |
| TABLE 4-77: CONSOLIDATED EMPLOYEE EXPENSES OF STATE DISCOMS AS APPROVED BY THE COMMISSION FOR FY 2018-19 (RS. CRORE)..... | 219 |
| TABLE 4-78: CONSOLIDATED R & M EXPENSES OF STATE DISCOMS AS APPROVED BY THE COMMISSION FOR FY 2018-19 (RS. CRORE)..... | 219 |
| TABLE 4-79: CONSOLIDATED A&G EXPENSES OF STATE DISCOMS AS APPROVED BY THE COMMISSION FOR FY 2018-19 (RS. CRORE)..... | 219 |



| | |
|--|-----|
| TABLE 4-80: CONSOLIDATED O&M EXPENSES OF STATE DISCOMS AS APPROVED BY THE COMMISSION FOR FY 2018-19 (RS. CRORE)..... | 220 |
| TABLE 4-81: SCHEMES FOR FY 2017-18 | 221 |
| TABLE 4-82: % ALLOCATION OF GRANTS IN SCHEMES FOR FY 2018-19..... | 222 |
| TABLE 4-83: SCHEMES FOR DVVNL FOR FY 2018-19 | 222 |
| TABLE 4-84: SCHEMES FOR MVVNL FOR FY 2018-19..... | 223 |
| TABLE 4-85: SCHEMES FOR PVVNL FOR FY 2018-19..... | 223 |
| TABLE 4-86: SCHEMES FOR PUVVNL FOR FY 2018-19 | 224 |
| TABLE 4-87: SCHEMES FOR KESCO FOR FY 2018-19 | 225 |
| TABLE 4-88: CONSOLIDATED SCHEMES OF 5 STATE DISCOMS FOR FY 2018-19..... | 225 |
| TABLE 4-89: CAPITAL INVESTMENT OF DVVNL OF FOR FY 2018-19..... | 228 |
| TABLE 4-90: CAPITAL INVESTMENT OF MVVNL OF FOR FY 2018-19 | 228 |
| TABLE 4-91: CAPITAL INVESTMENT OF PVVNL OF FOR FY 2018-19 | 229 |
| TABLE 4-92: CAPITAL INVESTMENT OF PUVVNL OF FOR FY 2018-19..... | 229 |
| TABLE 4-93: CAPITAL INVESTMENT OF KESCO OF FOR FY 2018-19 | 229 |
| TABLE 4-94: CONSOLIDATED CAPITAL INVESTMENT OF 5 STATE DISCOMS OF FOR FY 2018-19 | 230 |
| TABLE 4-95: CONSUMER CONTRIBUTIONS, CAPITAL GRANTS AND SUBSIDIES RECEIVED IN FY 2018-19 OF DVVNL (RS. CRORE) | 230 |
| TABLE 4-96: CONSUMER CONTRIBUTIONS, CAPITAL GRANTS AND SUBSIDIES RECEIVED IN FY 2018-19 OF MVVNL (RS. CRORE) | 231 |
| TABLE 4-97: CONSUMER CONTRIBUTIONS, CAPITAL GRANTS AND SUBSIDIES RECEIVED IN FY 2018-19 OF PVVNL (RS. CRORE)..... | 231 |
| TABLE 4-98: CONSUMER CONTRIBUTIONS, CAPITAL GRANTS AND SUBSIDIES RECEIVED IN FY 2018-19 OF PUVVNL (RS. CRORE) | 231 |
| TABLE 4-99: CONSUMER CONTRIBUTIONS, CAPITAL GRANTS AND SUBSIDIES RECEIVED IN FY 2018-19 OF KESCO (RS. CRORE)..... | 232 |
| TABLE 4-100: CONSOLIDATED CONSUMER CONTRIBUTIONS, CAPITAL GRANTS AND SUBSIDIES RECEIVED OF 5 STATE DISCOMS IN FY 2018-19 (RS. CRORE) | 232 |
| TABLE 4-101: FINANCING OF CAPITAL INVESTMENT AS APPROVED BY THE COMMISSION FOR DVVNL IN FY 2018-19 (RS. CRORE)..... | 233 |
| TABLE 4-102: FINANCING OF CAPITAL INVESTMENT AS APPROVED BY THE COMMISSION FOR MVVNL IN FY 2018-19 (RS. CRORE)..... | 233 |
| TABLE 4-103: FINANCING OF CAPITAL INVESTMENT AS APPROVED BY THE COMMISSION FOR PVVNL IN FY 2018-19 (RS. CRORE) | 234 |
| TABLE 4-104: FINANCING OF CAPITAL INVESTMENT AS APPROVED BY THE COMMISSION FOR PUVVNL IN FY 2018-19 (RS. CRORE) | 234 |
| TABLE 4-105: FINANCING OF CAPITAL INVESTMENT AS APPROVED BY THE COMMISSION FOR KESCO IN FY 2018-19 (RS. CRORE) | 234 |



| | |
|--|-----|
| TABLE 4-106: CONSOLIDATED FINANCING OF CAPITAL INVESTMENT AS APPROVED BY THE COMMISSION FOR 5 STATE DISCOMS IN FY 2018-19 (RS. CRORE)..... | 235 |
| TABLE 4-107: INTEREST ON LONG TERM LOAN FOR DVVNL IN FY 2018-19 (RS. CRORE)..... | 237 |
| TABLE 4-108: INTEREST ON LONG TERM LOAN FOR MVVNL IN FY 2018-19 (RS. CRORE)..... | 238 |
| TABLE 4-109: INTEREST ON LONG TERM LOAN FOR PVVNL IN FY 2018-19 (RS. CRORE) | 238 |
| TABLE 4-110: INTEREST ON LONG TERM LOAN FOR PUVVNL IN FY 2018-19 (RS. CRORE) | 238 |
| TABLE 4-111: INTEREST ON LONG TERM LOAN FOR KESCO IN FY 2018-19 (RS. CRORE) | 239 |
| TABLE 4-112: CONSOLIDATED INTEREST ON LONG TERM LOAN FOR 5 STATE DISCOMS IN FY 2018-19 (RS. CRORE) | 239 |
| TABLE 4-113: FINANCE CHARGES FOR DVVNL FOR FY 2018-19 (RS. CRORE) | 240 |
| TABLE 4-114: FINANCE CHARGES FOR MVVNL FOR FY 2018-19 (RS. CRORE)..... | 241 |
| TABLE 4-115: FINANCE CHARGES FOR PVVNL FOR FY 2018-19 (RS. CRORE) | 241 |
| TABLE 4-116: FINANCE CHARGES FOR PUVVNL FOR FY 2018-19 (RS. CRORE) | 241 |
| TABLE 4-117: FINANCE CHARGES FOR KESCO FOR FY 2018-19 (RS. CRORE) | 241 |
| TABLE 4-118: CONSOLIDATED FINANCE CHARGES FOR STATE DISCOMS FOR FY 2018-19 (RS. CRORE)..... | 241 |
| TABLE 4-119: INTEREST ON WORKING CAPITAL OF DVVNL FOR FY 2018-19 (RS. CRORE)..... | 243 |
| TABLE 4-120: INTEREST ON WORKING CAPITAL OF MVVNL FOR FY 2018-19 (RS. CRORE)..... | 243 |
| TABLE 4-121: INTEREST ON WORKING CAPITAL OF PVVNL FOR FY 2018-19 (RS. CRORE) | 244 |
| TABLE 4-122: INTEREST ON WORKING CAPITAL OF PUVVNL FOR FY 2018-19 (RS. CRORE)..... | 244 |
| TABLE 4-123: INTEREST ON WORKING CAPITAL OF KESCO FOR FY 2018-19 (RS. CRORE) | 245 |
| TABLE 4-124: CONSOLIDATED INTEREST ON WORKING CAPITAL OF 5 STATE DISCOMS FOR FY 2018-19 (RS. CRORE) | 245 |
| TABLE 4-125: SUMMARY INTEREST & FINANCE CHARGES OF DVVNL FOR FY 2018-19 | 246 |
| TABLE 4-126: SUMMARY INTEREST & FINANCE CHARGES OF MVVNL FOR FY 2018-19 | 246 |
| TABLE 4-127: SUMMARY INTEREST & FINANCE CHARGES OF PVVNL FOR FY 2018-19 | 247 |
| TABLE 4-128: SUMMARY INTEREST & FINANCE CHARGES OF PUVVNL FOR FY 2018-19 | 247 |
| TABLE 4-129: SUMMARY INTEREST & FINANCE CHARGES OF KESCO FOR FY 2018-19..... | 247 |
| TABLE 4-130: CONSOLIDATED SUMMARY INTEREST & FINANCE CHARGES OF 5 STATE DISCOMS FOR FY 2018-19 | 248 |
| TABLE 4-131: GROSS DEPRECIATION OF DVVNL FOR FY 2018-19 | 249 |
| TABLE 4-132: GROSS DEPRECIATION OF MVVNL FOR FY 2018-19 | 250 |
| TABLE 4-133: GROSS DEPRECIATION OF PVVNL FOR FY 2018-19 | 250 |
| TABLE 4-134: GROSS DEPRECIATION OF PUVVNL FOR FY 2018-19..... | 251 |
| TABLE 4-135: GROSS DEPRECIATION OF KESCO FOR FY 2018-19 | 251 |
| TABLE 4-136: CONSOLIDATED GROSS DEPRECIATION OF 5 STATE DISCOMS FOR FY 2018-19 .. | 251 |
| TABLE 4-137: PROVISION FOR BAD AND DOUBTFUL DEBT OF DVVNL FOR FY 2018-19 | 253 |
| TABLE 4-138: PROVISION FOR BAD AND DOUBTFUL DEBT OF MVVNL FOR FY 2018-19 | 253 |
| TABLE 4-139: PROVISION FOR BAD AND DOUBTFUL DEBT OF PVVNL FOR FY 2018-19..... | 253 |



| | |
|---|-----|
| TABLE 4-140: PROVISION FOR BAD AND DOUBTFUL DEBT OF PUVVNL FOR FY 2018-19 | 254 |
| TABLE 4-141: PROVISION FOR BAD AND DOUBTFUL DEBT OF KESCO FOR FY 2018-19..... | 254 |
| TABLE 4-142: CONSOLIDATED PROVISION FOR BAD AND DOUBTFUL DEBT OF 5 STATE DISCOMS FOR FY 2018-19..... | 254 |
| TABLE 4-143: RETURN ON EQUITY OF DVVNL FOR FY 2018-19 | 255 |
| TABLE 4-144: RETURN ON EQUITY OF MVVNL FOR FY 2018-19 | 256 |
| TABLE 4-145: RETURN ON EQUITY OF PVVNL FOR FY 2018-19..... | 256 |
| TABLE 4-146: RETURN ON EQUITY OF PUVVNL FOR FY 2018-19 | 256 |
| TABLE 4-147: RETURN ON EQUITY OF KESCO FOR FY 2018-19 | 257 |
| TABLE 4-148:CONSOLIDATED RETURN ON EQUITY OF 5 STATE DISCOMS FOR FY 2018-19 | 257 |
| TABLE 4-149: CONSUMPTION OF LMV-10 IN FY 2018-19 (RS. CRORE) | 258 |
| TABLE 4-150: CONSOLIDATED DEEMED REVENUE OF LMV-10 FOR FY 2018-19 (RS. CRORE) | 258 |
| TABLE 4-151:SUBSIDY OF GOUP FOR 5 STATE DISCOMS FOR FY 2018-19 | 259 |
| TABLE 4-152: SUMMARY OF ARR FOR TRUE UP OF DVVNL FOR FY 2018-19 | 264 |
| TABLE 4-153:SUMMARY OF ARR FOR TRUE UP OF MVVNL FOR FY 2018-19 | 266 |
| TABLE 4-154:SUMMARY OF ARR FOR TRUE UP OF PVVNL FOR FY 2018-19..... | 267 |
| TABLE 4-155:SUMMARY OF ARR FOR TRUE UP OF PUVVNL FOR FY 2018-19 | 268 |
| TABLE 4-156:SUMMARY OF ARR FOR TRUE UP OF KESCO FOR FY 2018-19..... | 270 |
| TABLE 4-157: SUMMARY OF ARR FOR TRUE UP FOR FY 2018-19 (CONSOLIDATED) | 271 |
| TABLE 4-158: ANALYSIS ON FEW PARAMETERS FOR PERCENTAGE (%) CHANGE | 273 |
| TABLE 5-1:CATEGORYWISE NO. OF CONSUMERS AND CONNECTED LOAD (KW) OF DVVNL FOR FY 2019-20..... | 276 |
| TABLE 5-2:CATEGORYWISE NO. OF CONSUMERS AND CONNECTED LOAD (KW) OF MVVNL FOR FY 2019-20..... | 277 |
| TABLE 5-3:CATEGORYWISE NO. OF CONSUMERS AND CONNECTED LOAD (KW) OF PVVNL FOR FY 2019-20..... | 277 |
| TABLE 5-4:CATEGORYWISE NO. OF CONSUMERS AND CONNECTED LOAD (KW) OF PUVVNL FOR FY 2019-20 | 278 |
| TABLE 5-5:CATEGORYWISE NO. OF CONSUMERS AND CONNECTED LOAD (KW) OF KESCO FOR FY 2019-20..... | 279 |
| TABLE 5-6:CONSOLIDATED CATEGORY WISE NO. OF CONSUMERS AND CONNECTED LOAD (KW) OF 5 STATE DISCOMS FOR FY 2019-20..... | 280 |
| TABLE 5-7:CATEGORY WISE SALES OF DVVNL FOR FY 2019-20 (MU) | 281 |
| TABLE 5-8:CATEGORY WISE SALES OF MVVNL FOR FY 2019-20 (MU)..... | 282 |
| TABLE 5-9:CATEGORY WISE SALES OF PVVNL FOR FY 2019-20 (MU)..... | 282 |
| TABLE 5-10:CATEGORY WISE SALES OF PUVVNL FOR FY 2019-20 (MU) | 283 |
| TABLE 5-11:CATEGORY WISE SALES OF KESCO FOR FY 2019-20 (MU) | 284 |
| TABLE 5-12:CONSOLIDATED CATEGORY WISE SALES OF 5 STATE DISCOMS FOR FY 2019-20 (MU) | 284 |



| | |
|--|-----|
| TABLE 5-13: DISTRIBUTION LOSSES CLAIMED FOR FY 2019-20..... | 286 |
| TABLE 5-14:CONSOLIDATED ENERGY BALANCE FOR FY 2019-20..... | 288 |
| TABLE 5-15:BULK SUPPLY FOR FY 2019-20..... | 294 |
| TABLE 5-16:DBST COMPUTATION FOR FY 2019-20..... | 295 |
| TABLE 5-17: APPROVED POWER PURCHASE COST FOR FY 2019-20 BY THE COMMISSION IN T.O DT 03.09.2019..... | 297 |
| TABLE 5-18:CONSOLIDATED TOTAL POWER PURCHASE COST FOR FY 2019-20..... | 297 |
| TABLE 5-19: ENERGY BALANCE FOR FY 2019-20 APPROVED BY THE COMMISSION (TARIFF ORDER DATED 03.09.2019)..... | 297 |
| TABLE 5-20:ENERGY BALANCE CLAIMED FOR FY 2019-20..... | 298 |
| TABLE 5-21:APPROVED TRANSMISSION CHARGES FOR FY 2019-20 (IN T.O. DATED 03.09.2019) | 298 |
| TABLE 5-22:TRANSMISSION CHARGES FOR FY 2019-20 AS SUBMITTED BY THE STATE DISCOMS | 299 |
| TABLE 5-23:EMPLOYEE EXPENSE FOR DVVNL IN FY 2019-20..... | 299 |
| TABLE 5-24:EMPLOYEE EXPENSE FOR MVVNL IN FY 2019-20..... | 300 |
| TABLE 5-25:EMPLOYEE EXPENSE FOR PVVNL IN FY 2019-20..... | 300 |
| TABLE 5-26:EMPLOYEE EXPENSE FOR PUVVNL IN FY 2019-20..... | 301 |
| TABLE 5-27:EMPLOYEE EXPENSE FOR KESCO IN FY 2019-20..... | 301 |
| TABLE 5-28:CONSOLIDATED NET EMPLOYEE EXPENSE FOR 5 STATE DISCOMS IN FY 2019-20.. | 302 |
| TABLE 5-29:A&G EXPENSES FOR DVVNL IN FY 2019-20..... | 303 |
| TABLE 5-30:A&G EXPENSES FOR MVVNL IN FY 2019-20..... | 303 |
| TABLE 5-31:A&G EXPENSES FOR PVVNL IN FY 2019-20..... | 303 |
| TABLE 5-32:A&G EXPENSES FOR PUVVNL IN FY 2019-20..... | 304 |
| TABLE 5-33:A&G EXPENSES FOR KESCO IN FY 2019-20..... | 304 |
| TABLE 5-34:CONSOLIDATED A&G EXPENSES FOR 5 STATE DISCOMS IN FY 2019-20 (RS. CRORE) | 304 |
| TABLE 5-35:R&M EXPENSES OF DVVNL IN FY 2019-20 (RS. CRORE)..... | 305 |
| TABLE 5-36:R&M EXPENSES OF MVVNL IN FY 2019-20 (RS. CRORE)..... | 305 |
| TABLE 5-37:R&M EXPENSES OF PVVNL IN FY 2019-20 (RS. CRORE)..... | 306 |
| TABLE 5-38:R&M EXPENSES OF PUVVNL IN FY 2019-20 (RS. CRORE)..... | 306 |
| TABLE 5-39:R&M EXPENSES OF KESCO IN FY 2019-20 (RS. CRORE)..... | 306 |
| TABLE 5-40:CONSOLIDATED R&M EXPENSES OF 5 STATE DISCOMS IN FY 2019-20 (RS. CRORE) | 307 |
| TABLE 5-41:O&M EXPENSES OF DVVNL IN FY 2019-20 (RS. CRORE)..... | 311 |
| TABLE 5-42:O&M EXPENSES OF MVVNL IN FY 2019-20 (RS. CRORE)..... | 312 |
| TABLE 5-43:O&M EXPENSES OF PVVNL IN FY 2019-20 (RS. CRORE)..... | 312 |
| TABLE 5-44:O&M EXPENSES OF PUVVNL IN FY 2019-20 (RS. CRORE)..... | 313 |
| TABLE 5-45:O&M EXPENSES OF KESCO IN FY 2019-20 (RS. CRORE)..... | 313 |



| | |
|--|-----|
| TABLE 5-46:CONSOLIDATED O&M EXPENSES OF 5 STATE DISCOMS IN FY 2019-20 (RS. CRORE) | 314 |
| TABLE 5-47:CAPITAL INVESTMENT OF DVVNL IN FY 2019-20 (RS. CRORE) | 315 |
| TABLE 5-48:CAPITAL INVESTMENT OF MVVNL IN FY 2019-20 (RS. CRORE) | 316 |
| TABLE 5-49:CAPITAL INVESTMENT OF PVVNL IN FY 2019-20 (RS. CRORE) | 316 |
| TABLE 5-50:CAPITAL INVESTMENT OF PUVVNL IN FY 2019-20 (RS. CRORE) | 316 |
| TABLE 5-51:CAPITAL INVESTMENT OF KESCO IN FY 2019-20 (RS. CRORE) | 317 |
| TABLE 5-52:CONSOLIDATED CAPITAL INVESTMENT OF 5 DISCOMS IN FY 2019-20 (RS. CRORE) | 317 |
| TABLE 5-53:FINANCING OF CAPITAL INVESTMENT OF DVVNL IN FY 2019-20 (RS. CRORE) | 318 |
| TABLE 5-54:FINANCING OF CAPITAL INVESTMENT OF MVVNL IN FY 2019-20 (RS. CRORE) | 319 |
| TABLE 5-55:FINANCING OF CAPITAL INVESTMENT OF PVVNL IN FY 2019-20 (RS. CRORE) | 319 |
| TABLE 5-56:FINANCING OF CAPITAL INVESTMENT OF PUVVNL IN FY 2019-20 (RS. CRORE) | 319 |
| TABLE 5-57:FINANCING OF CAPITAL INVESTMENT OF KESCO IN FY 2019-20 (RS. CRORE) | 320 |
| TABLE 5-58:CONSOLIDATED FINANCING OF CAPITAL INVESTMENT OF 5 STATE DISCOMS IN FY 2019-20 (RS. CRORE) | 320 |
| TABLE 5-59:NET DEPRECIATION OF DVVNL FOR FY 2019-20 (RS. CRORE) | 322 |
| TABLE 5-60:NET DEPRECIATION OF MVVNL FOR FY 2019-20 (RS. CRORE) | 322 |
| TABLE 5-61: NET DEPRECIATION OF PVVNL FOR FY 2019-20 (RS. CRORE) | 322 |
| TABLE 5-62: NET DEPRECIATION OF PUVVNL FOR FY 2019-20 (RS. CRORE) | 323 |
| TABLE 5-63: NET DEPRECIATION OF KESCO FOR FY 2019-20 (RS. CRORE) | 323 |
| TABLE 5-64: CONSOLIDATED NET DEPRECIATION OF STATE DISCOMS FOR FY 2019-20 (RS. CRORE) | 324 |
| TABLE 5-65:INTEREST ON LONG TERM LOAN OF DVVNL FOR FY 2019-20 (RS. CRORE) | 325 |
| TABLE 5-66:INTEREST ON LONG TERM LOAN OF MVVNL FOR FY 2019-20 (RS. CRORE) | 325 |
| TABLE 5-67:INTEREST ON LONG TERM LOAN OF PVVNL FOR FY 2019-20 (RS. CRORE) | 325 |
| TABLE 5-68:INTEREST ON LONG TERM LOAN OF PUVVNL FOR FY 2019-20 (RS. CRORE) | 326 |
| TABLE 5-69:INTEREST ON LONG TERM LOAN OF KESCO FOR FY 2019-20 (RS. CRORE) | 326 |
| TABLE 5-70:CONSOLIDATED INTEREST ON LONG TERM LOAN OF 5 STATE DISCOMS FOR FY 2019-20 (RS. CRORE) | 327 |
| TABLE 5-71:INTEREST ON WORKING CAPITAL OF DVVNL FOR FY 2019-20 (RS. CRORE) | 328 |
| TABLE 5-72:INTEREST ON WORKING CAPITAL OF MVVNL FOR FY 2019-20 (RS. CRORE) | 328 |
| TABLE 5-73:INTEREST ON WORKING CAPITAL OF PVVNL FOR FY 2019-20 (RS. CRORE) | 329 |
| TABLE 5-74:INTEREST ON WORKING CAPITAL OF PUVVNL FOR FY 2019-20 (RS. CRORE) | 329 |
| TABLE 5-75:INTEREST ON WORKING CAPITAL OF KESCO FOR FY 2019-20 (RS. CRORE) | 329 |
| TABLE 5-76:CONSOLIDATED INTEREST ON WORKING CAPITAL OF 5 STATE DISCOMS FOR FY 2019-20 (RS. CRORE) | 330 |
| TABLE 5-77:INTEREST ON SECURITY DEPOSIT OF DVVNL FOR FY 2019-20 (RS. CRORE) | 331 |
| TABLE 5-78:INTEREST ON SECURITY DEPOSIT OF MVVNL FOR FY 2019-20 (RS. CRORE) | 331 |



| | |
|--|-----|
| TABLE 5-79:INTEREST ON SECURITY DEPOSIT OF PVVNL FOR FY 2019-20 (RS. CRORE) | 331 |
| TABLE 5-80:INTEREST ON SECURITY DEPOSIT OF PUVVNL FOR FY 2019-20 (RS. CRORE) | 331 |
| TABLE 5-81:INTEREST ON SECURITY DEPOSIT OF KESCO FOR FY 2019-20 (RS. CRORE)..... | 332 |
| TABLE 5-82:CONSOLIDATED INTEREST ON SECURITY DEPOSIT OF 5 STATE DISCOMS FOR FY 2019- 20 (RS. CRORE) | 332 |
| TABLE 5-83:INTEREST AND FINANCE CHARGES OF DVVNL FOR FY 2019-20 (RS. CRORE)..... | 332 |
| TABLE 5-84:INTEREST AND FINANCE CHARGES OF MVVNL FOR FY 2019-20 (RS. CRORE)..... | 333 |
| TABLE 5-85:INTEREST AND FINANCE CHARGES OF PVVNL FOR FY 2019-20 (RS. CRORE) | 333 |
| TABLE 5-86:INTEREST AND FINANCE CHARGES OF PUVVNL FOR FY 2019-20 (RS. CRORE)..... | 334 |
| TABLE 5-87:INTEREST AND FINANCE CHARGES OF KESCO FOR FY 2019-20 (RS. CRORE) | 334 |
| TABLE 5-88:CONSOLIDATED INTEREST AND FINANCE CHARGES OF KESCO FOR FY 2019-20 (RS. CRORE)..... | 334 |
| TABLE 5-89:PROVISION FOR BAD AND DOUBTFUL DEBTS FOR FY 2019-20 (RS. CRORE)..... | 335 |
| TABLE 5-90:RETURN ON EQUITY OF DVVNL FOR FY 2019-20 (RS. CRORE)..... | 336 |
| TABLE 5-91:RETURN ON EQUITY OF MVVNL FOR FY 2019-20 (RS. CRORE) | 337 |
| TABLE 5-92:RETURN ON EQUITY OF PVVNL FOR FY 2019-20 (RS. CRORE) | 337 |
| TABLE 5-93:RETURN ON EQUITY OF PUVVNL FOR FY 2019-20 (RS. CRORE)..... | 337 |
| TABLE 5-94:RETURN ON EQUITY OF KESCO FOR FY 2019-20 (RS. CRORE) | 338 |
| TABLE 5-95:CONSOLIDATED RETURN ON EQUITY OF 5 STATE DISCOMS FOR FY 2019-20 (RS. CRORE)..... | 338 |
| TABLE 5-96:NON-TARIFF INCOME FOR FY 2019-20 (RS. CRORE) | 340 |
| TABLE 5-97: GOUP SUBSIDY FOR FY 2019-20 (RS. CRORE) | 340 |
| TABLE 5-98: REVENUE FROM SALE OF POWER FOR FY 2019-20 FOR DVVNL (RS. CRORE) | 341 |
| TABLE 5-99: REVENUE FROM SALE OF POWER FOR FY 2019-20 FOR MVVNL (RS. CRORE) | 341 |
| TABLE 5-100: REVENUE FROM SALE OF POWER FOR FY 2019-20 FOR PVVNL (RS. CRORE)..... | 342 |
| TABLE 5-101: REVENUE FROM SALE OF POWER FOR FY 2019-20 FOR PUVVNL (RS. CRORE) | 343 |
| TABLE 5-102: REVENUE FROM SALE OF POWER FOR FY 2019-20 FOR KESCO (RS. CRORE) | 343 |
| TABLE 5-103: CONSOLIDATED REVENUE FROM SALE OF POWER FOR FY 2019-20 FOR (RS. CRORE) | 344 |
| TABLE 5-104: ARR SUMMARY FOR FY 2019-20 FOR DVVNL (RS. CRORE)..... | 345 |
| TABLE 5-105: ARR SUMMARY FOR FY 2019-20 FOR MVVNL (RS. CRORE) | 346 |
| TABLE 5-106: ARR SUMMARY FOR FY 2019-20 FOR PVVNL (RS. CRORE) | 347 |
| TABLE 5-107: ARR SUMMARY FOR FY 2019-20 FOR PUVVNL (RS. CRORE)..... | 348 |
| TABLE 5-108: ARR SUMMARY FOR FY 2019-20 FOR KESCO (RS. CRORE) | 350 |
| TABLE 5-109: CONSOLIDATED ARR SUMMARY FOR FY 2019-20 FOR STATE DISCOMS (RS. CRORE) | 351 |
| TABLE 6-1: BILLING DETERMINANTS AS SUBMITTED BY DVVNL FOR FY 2020-21 | 354 |
| TABLE 6-2: BILLING DETERMINANTS AS SUBMITTED BY MVVNL FOR FY 2020-21 | 355 |
| TABLE 6-3: BILLING DETERMINANTS AS SUBMITTED BY PVVNL FOR FY 2020-21..... | 356 |



| | |
|---|-----|
| TABLE 6-4: BILLING DETERMINANTS AS SUBMITTED BY PUVVNL FOR FY 2020-21 | 356 |
| TABLE 6-5: BILLING DETERMINANTS AS SUBMITTED BY KESCO FOR FY 2020-21 | 357 |
| TABLE 6-6: CONSOLIDATED BILLING DETERMINANTS AS SUBMITTED BY THE STATE DISCOMS FOR FY 2020-21 | 357 |
| TABLE 6-7: BILLING DETERMINANTS APPROVED BY THE COMMISSION FOR FY 2020-21 FOR DVVNL (INCLUDING DF OF AGRA)..... | 359 |
| TABLE 6-8: BILLING DETERMINANTS APPROVED BY THE COMMISSION FOR FY 2020-21 FOR MVVNL..... | 359 |
| TABLE 6-9: BILLING DETERMINANTS APPROVED BY THE COMMISSION FOR FY 2020-21 FOR PUVNL | 360 |
| TABLE 6-10: BILLING DETERMINANTS APPROVED BY THE COMMISSION FOR FY 2020-21 FOR PUVVNL..... | 361 |
| TABLE 6-11: BILLING DETERMINANTS APPROVED BY THE COMMISSION FOR FY 2020-21 FOR KESCO | 361 |
| TABLE 6-12: CONSOLIDATED BILLING DETERMINANTS (INCLUDING DF OF AGRA) APPROVED FOR FY 2020-21 FOR THE STATE OWNED DISCOMS | 362 |
| TABLE 6-13: DISTRIBUTION LOSS DETAILS FOR THE CONTROL PERIOD FY 2017-18 TO FY 2019-20 AS SUBMITTED BY THE PETITIONER..... | 363 |
| TABLE 6-14: DISTRIBUTION LOSSES AS SUBMITTED BY THE STATE DISCOMS FOR FY 2020-21.. | 364 |
| TABLE 6-15: DISTRIBUTION LOSS APPROVED BY THE COMMISSION FOR FY 2020-21..... | 364 |
| TABLE 6-16: ENERGY BALANCE AS SUBMITTED BY THE STATE DISCOMS FOR FY 2020-21 | 364 |
| TABLE 6-17: ENERGY BALANCE APPROVED BY THE COMMISSION FOR FY 2020-21 | 365 |
| TABLE 6-18: CONSOLIDATED ENERGY REQUIREMENT FOR FY 2020-21 | 366 |
| TABLE 6-19: ASSUMPTIONS CONSIDERED FOR FY 2020-21 BY PETITIONERS | 368 |
| TABLE 6-20: PETITIONERS SUBMISSION FOR MEETING RPO (MUS) (FY 2020-21)..... | 370 |
| TABLE 6-21: GENERATING STATION-WISE POWER PURCHASE COST FOR FY 2020-21 SUBMITTED BY PETITIONERS | 371 |
| TABLE 6-22: BULK SUPPLY TARIFF FOR FY 2020-21 | 374 |
| TABLE 6-23: DBST COMPUTATION FOR FY 2020-21 SUBMITTED BY PETITIONERS..... | 375 |
| TABLE 6-24: POWER PURCHASE COST FOR FY 2020-21 SUBMITTED BY PETITIONERS | 377 |
| TABLE 6-25: ASSUMPTIONS CONSIDERED FOR FY 2020-21 BY THE COMMISSION..... | 379 |
| TABLE 6-26: RPO TRAJECTORY AS PER UPERC REGULATIONS (%)..... | 380 |
| TABLE 6-27: SOLAR RPO TARGETS FULFILLMENT FOR FY 2020-21 | 381 |
| TABLE 6-28: NON-SOLAR RPO TARGETS FULFILLMENT FOR FY 2020-21 | 381 |
| TABLE 6-29: HPO TARGETS FULFILLMENT FOR FY 2020-21 | 381 |
| TABLE 6-30: GENERATING STATION-WISE POWER PURCHASE COST FOR FY 2020-21 APPROVED BY THE COMMISSION | 382 |
| TABLE 6-31: MERIT ORDER DESPATCH FOR COMPUTATION OF POWER PURCHASE COST APPROVED BY THE COMMISSION FOR FY 2020-21 | 385 |



| | |
|---|-----|
| TABLE 6-32 PROPOSED AND APPROVED TRANSMISSION CHARGES FOR FY 2020-21 | 388 |
| TABLE 6-33: BULK SUPPLY TARIFF FOR STATE OWNED DISCOMS AS APPROVED BY THE COMMISSION FOR FY 2020-21 | 389 |
| TABLE 6-34: DIFFERENTIAL BULK SUPPLY TARIFF FOR STATE OWNED DISCOMS FOR FY 2020-21 | 389 |
| TABLE 6-35: POWER PURCHASE COST APPROVED BY COMMISSION FOR FY 2020-21 | 391 |
| TABLE 6-36: APPROPRIATION OF APPROVED POWER PURCHASE FOR FY 2020-21..... | 391 |
| TABLE 6-37: TRANSMISSION CHARGES AS SUBMITTED BY STATE DISCOMS FOR FY 2020-21 ... | 392 |
| TABLE 6-38: TRANSMISSION CHARGES AS APPROVED BY THE COMMISSION FOR FY 2020-21 . | 392 |
| TABLE 6-39: SUMMARY OF WPI AND CPI ESCALATION RATE | 397 |
| TABLE 6-40: EMPLOYEE EXPENSE AS SUBMITTED BY DVVNL FOR FY 2020-21 (RS. CRORE) | 398 |
| TABLE 6-41: EMPLOYEE EXPENSE AS SUBMITTED BY MVVNL FOR FY 2020-21 (RS. CRORE)..... | 399 |
| TABLE 6-42: EMPLOYEE EXPENSE AS SUBMITTED BY PVVNL FOR FY 2020-21 (RS. CRORE)..... | 399 |
| TABLE 6-43: EMPLOYEE EXPENSE AS SUBMITTED BY PUVVNL FOR FY 2020-21 (RS. CRORE) ... | 399 |
| TABLE 6-44: EMPLOYEE EXPENSE AS SUBMITTED BY KESCO FOR FY 2020-21 (RS. CRORE) | 399 |
| TABLE 6-45:CONSOLIDATED EMPLOYEE EXPENSE AS SUBMITTED BY THE STATE DISCOMS FOR FY 2020-21 (RS. CRORE) | 400 |
| TABLE 6-46:A&G EXPENSES AS SUBMITTED BY DVVNL FOR FY 2020-21 (RS. CRORE) | 400 |
| TABLE 6-47:A&G EXPENSES AS SUBMITTED BY MVVNL FOR FY 2020-21 (RS. CRORE) | 400 |
| TABLE 6-48:A&G EXPENSES AS SUBMITTED BY PVVNL FOR FY 2020-21 | 400 |
| TABLE 6-49:A&G EXPENSES AS SUBMITTED BY PUVVNL FOR FY 2020-21 (RS. CRORE) | 401 |
| TABLE 6-50:A&G EXPENSES AS SUBMITTED BY KESCO FOR FY 2020-21 (RS. CRORE)..... | 401 |
| TABLE 6-51:CONSOLIDATED A&G EXPENSES AS SUBMITTED BY THE STATE DISCOMS FOR FY 2020-21 (RS. CRORE) | 401 |
| TABLE 6-52:R&M EXPENSES AS SUBMITTED BY DVVNL FOR FY 2020-21 (RS. CRORE) | 401 |
| TABLE 6-53:R&M EXPENSES AS SUBMITTED BY MVVNL FOR FY 2020-21 (RS. CRORE) | 401 |
| TABLE 6-54: R&M EXPENSES AS SUBMITTED BY PVVNL FOR FY 2020-21 (RS. CRORE) | 402 |
| TABLE 6-55: R&M EXPENSES AS SUBMITTED BY PUVVNL FOR FY 2020-21 (RS. CRORE) | 402 |
| TABLE 6-56: R&M EXPENSES AS SUBMITTED BY KESCO FOR FY 2020-21 (RS. CRORE) | 402 |
| TABLE 6-57: CONSOLIDATED R&M EXPENSES AS SUBMITTED BY THE STATE DISCOMS FOR FY 2020-21 (RS. CRORE) | 402 |
| TABLE 6-58: FINANCING CHARGES OF DVVNL FOR FY 2020-21 (RS CRORE) | 402 |
| TABLE 6-59: FINANCING CHARGES OF MVVNL FOR FY 2020-21 (RS CRORE)..... | 403 |
| TABLE 6-60: FINANCING CHARGES OF PVVNL FOR FY 2020-21 (RS CRORE)..... | 403 |
| TABLE 6-61: FINANCING CHARGES OF PUVVNL FOR FY 2020-21 (RS CRORE) | 403 |
| TABLE 6-62: FINANCING CHARGES OF KESCO FOR FY 2020-21 (RS CRORE) | 403 |
| TABLE 6-63: CONSOLIDATED FINANCING CHARGES OF 5 STATE DISCOMS FOR FY 2020-21 (RS CRORE)..... | 403 |
| TABLE 6-64: SMART METERING OPEX OF DVVNL FOR FY 2020-21 | 405 |



| | |
|---|-----|
| TABLE 6-65: SMART METERING OPEX OF MVVNL FOR FY 2020-21 | 405 |
| TABLE 6-66: SMART METERING OPEX OF PVVNL FOR FY 2020-21..... | 405 |
| TABLE 6-67: SMART METERING OPEX OF PUVVNL FOR FY 2020-21 | 405 |
| TABLE 6-68: SMART METERING OPEX OF KESCO FOR FY 2020-21..... | 405 |
| TABLE 6-69: OPERATION & MAINTENANCE EXPENSES OF DVVNL FOR FY 2020-21 (RS CRORE) | 407 |
| TABLE 6-70: OPERATION & MAINTENANCE EXPENSES OF MVVNL FOR FY 2020-21 (RS CRORE) | 407 |
| TABLE 6-71: OPERATION & MAINTENANCE EXPENSES OF PVVNL FOR FY 2020-21 (RS CRORE) | 408 |
| TABLE 6-72: OPERATION & MAINTENANCE EXPENSES OF PUVVNL FOR FY 2020-21 (RS CRORE) | 408 |
| TABLE 6-73: OPERATION & MAINTENANCE EXPENSES OF KESCO FOR FY 2020-21 (RS CRORE) | 409 |
| TABLE 6-74: O&M EXPENSES FOR FY 2020-21 AS APPROVED BY THE COMMISSION FOR DVVNL (RS. CRORE) (A) | 415 |
| TABLE 6-75: INFLATION INDEX FOR FY 2020-21 CONSIDERED BY THE COMMISSION | 415 |
| TABLE 6-76: O&M EXPENSES FOR FY 2020-21 AS APPROVED BY THE COMMISSION FOR DVVNL (RS. CRORE) (B) | 416 |
| TABLE 6-77: O&M EXPENSES FOR FY 2020-21 AS APPROVED BY THE COMMISSION FOR MVVNL (RS. CRORE) (A) | 416 |
| TABLE 6-78: O&M EXPENSES FOR FY 2020-21 AS APPROVED BY THE COMMISSION FOR MVVNL (RS. CRORE) (B) | 417 |
| TABLE 6-79: O&M EXPENSES FOR FY 2020-21 AS APPROVED BY THE COMMISSION FOR PVVNL (RS. CRORE) (A) | 417 |
| TABLE 6-80: O&M EXPENSES FOR FY 2020-21 AS APPROVED BY THE COMMISSION FOR PVVNL (RS. CRORE) (B) | 418 |
| TABLE 6-81: O&M EXPENSES FOR FY 2020-21 AS APPROVED BY THE COMMISSION FOR PUVVNL (RS. CRORE) (A) | 418 |
| TABLE 6-82: O&M EXPENSES FOR FY 2020-21 APPROVED BY THE COMMISSION FOR PUVVNL (RS. CRORE) (B) | 419 |
| TABLE 6-83: O&M EXPENSES FOR FY 2020-21 AS APPROVED BY THE COMMISSION FOR KESCO (RS. CRORE) (A) | 420 |
| TABLE 6-84: O&M EXPENSES FOR FY 2020-21 AS APPROVED BY THE COMMISSION FOR KESCO (RS. CRORE) (B) | 420 |
| TABLE 6-85: CONSOLIDATED O&M EXPENSES APPROVED BY THE COMMISSION FOR FY 2020-21 (RS. CRORE)..... | 421 |
| TABLE 6-86: CAPITAL EXPENDITURE DETAILS AS SUBMITTED BY DVVNL FOR FY 2020-21 (RS. CRORE)..... | 421 |
| TABLE 6-87: CAPITAL EXPENDITURE DETAILS AS SUBMITTED BY MVVNL FOR FY 2020-21 (RS. CRORE)..... | 422 |



| | |
|---|-----|
| TABLE 6-88: CAPITAL EXPENDITURE DETAILS AS SUBMITTED BY PVVNL FOR FY 2020-21 (RS. CRORE)..... | 423 |
| TABLE 6-89: CAPITAL EXPENDITURE DETAILS AS SUBMITTED BY PUVVNL FOR FY 2020-21 (RS CRORE)..... | 430 |
| TABLE 6-90: CAPITAL EXPENDITURE DETAILS AS SUBMITTED BY KESCO FOR FY 2020-21 (RS. CRORE)..... | 431 |
| TABLE 6-91:CAPITAL INVESTMENT DETAILS FOR DVVNL FOR FY 2020-21 (RS. CRORE)..... | 441 |
| TABLE 6-92:CAPITAL INVESTMENT DETAILS FOR MVVNL FOR FY 2020-21 (RS. CRORE)..... | 442 |
| TABLE 6-93:CAPITAL INVESTMENT DETAILS FOR PVVNL FOR FY 2020-21 (RS. CRORE)..... | 442 |
| TABLE 6-94:CAPITAL INVESTMENT DETAILS FOR PUVVNL FOR FY 2020-21 (RS. CRORE)..... | 442 |
| TABLE 6-95:CAPITAL INVESTMENT DETAILS FOR KESCO FOR FY 2020-21 (RS. CRORE)..... | 443 |
| TABLE 6-96:CONSOLIDATED CAPITAL INVESTMENT OF STATE OWNED DISCOMS FOR FY 2020-21 (RS. CRORE)..... | 443 |
| TABLE 6-97: CAPITAL INVESTMENT FOR FY 2019-20 FOR DVVNL (RS. CRORE)..... | 445 |
| TABLE 6-98: CAPITAL INVESTMENT FOR FY 2019-20 FOR MVVNL (RS. CRORE)..... | 445 |
| TABLE 6-99: CAPITAL INVESTMENT FOR FY 2019-20 FOR PVVNL (RS. CRORE)..... | 446 |
| TABLE 6-100: CAPITAL INVESTMENT FOR FY 2019-20 FOR PUVVNL (RS. CRORE)..... | 446 |
| TABLE 6-101: CAPITAL INVESTMENT FOR FY 2019-20 FOR KESCO (RS. CRORE)..... | 447 |
| TABLE 6-102: CONSOLIDATED CAPITAL INVESTMENT OF STATE DISCOMS FOR FY 2019-20..... | 447 |
| TABLE 6-103: PROJECTIONS OF GROSS FIXED ASSETS OF DVVNL FOR FY 2019-20 (RS. CRORE) | 448 |
| TABLE 6-104: PROJECTIONS OF GROSS FIXED ASSETS OF MVVNL FOR FY 2019-20 (RS. CRORE)..... | 448 |
| TABLE 6-105: PROJECTIONS OF GROSS FIXED ASSETS OF PVVNL FOR FY 2019-20 (RS. CRORE) | 448 |
| TABLE 6-106: PROJECTIONS OF GROSS FIXED ASSETS OF PUVVNL FOR FY 2019-20 (RS. CRORE)..... | 448 |
| TABLE 6-107: PROJECTIONS OF GROSS FIXED ASSETS OF KESCO FOR FY 2019-20 (RS. CRORE). | 449 |
| TABLE 6-108: CONSUMER CONTRIBUTION, CAPITAL GRANTS & SUBSIDIES OF DVVNL COMPUTED FOR FY 2019-20 (RS. CRORE)..... | 449 |
| TABLE 6-109: CONSUMER CONTRIBUTION, CAPITAL GRANTS & SUBSIDIES OF MVVNL COMPUTED FOR FY 2019-20 (RS. CRORE)..... | 449 |
| TABLE 6-110: CONSUMER CONTRIBUTION, CAPITAL GRANTS & SUBSIDIES OF PVVNL COMPUTED FOR FY 2019-20 (RS. CRORE)..... | 449 |
| TABLE 6-111: CONSUMER CONTRIBUTION, CAPITAL GRANTS & SUBSIDIES OF PUVVNL COMPUTED FOR FY 2019-20 (RS. CRORE)..... | 450 |
| TABLE 6-112: CONSUMER CONTRIBUTION, CAPITAL GRANTS & SUBSIDIES OF KESCO COMPUTED FOR FY 2019-20 (RS. CRORE)..... | 450 |
| TABLE 6-113: CONSOLIDATED CONSUMER CONTRIBUTION, CAPITAL GRANTS & SUBSIDIES OF STATE DISCOMS COMPUTED FOR FY 2019-20 (RS. CRORE)..... | 450 |
| TABLE 6-114: PROJECTIONS OF GROSS FIXED ASSETS OF DVVNL FOR FY 2020-21 (RS. CRORE) | 450 |



| | |
|---|-----|
| TABLE 6-115: PROJECTIONS OF GROSS FIXED ASSETS OF MVVNL FOR FY 2020-21 (RS. CRORE) | 451 |
| TABLE 6-116: PROJECTIONS OF GROSS FIXED ASSETS OF PVVNL FOR FY 2020-21 (RS. CRORE) | 451 |
| TABLE 6-117: PROJECTIONS OF GROSS FIXED ASSETS OF PUVVNL FOR FY 2020-21 (RS. CRORE) | 451 |
| TABLE 6-118: PROJECTIONS OF GROSS FIXED ASSETS OF KESCO FOR FY 2020-21 (RS. CRORE) | 451 |
| TABLE 6-119: CONSOLIDATED PROJECTIONS OF GROSS FIXED ASSETS OF STATE DISCOMS FOR FY 2020-21 (RS. CRORE) | 451 |
| TABLE 6-120: DEBT: EQUITY OF DVVNL COMPUTED AS ON 01.04.2020 (RS. CRORE) | 452 |
| TABLE 6-121: DEBT: EQUITY OF MVVNL COMPUTED AS ON 01.04.2020 (RS. CRORE) | 452 |
| TABLE 6-122: DEBT: EQUITY OF PVVNL COMPUTED AS ON 01.04.2020 (RS. CRORE) | 452 |
| TABLE 6-123: DEBT: EQUITY OF PUVVNL COMPUTED AS ON 01.04.2020 (RS. CRORE) | 452 |
| TABLE 6-124: DEBT: EQUITY OF KESCO COMPUTED AS ON 01.04.2020 (RS. CRORE) | 453 |
| TABLE 6-125: CONSOLIDATED DEBT: EQUITY OF STATE DISCOMS COMPUTED AS ON 01.04.2020 (RS. CRORE) | 453 |
| TABLE 6-126: PROJECTIONS OF GROSS FIXED ASSETS OF DVVNL FOR FY 2020-21 (RS. CRORE) | 453 |
| TABLE 6-127: PROJECTIONS OF GROSS FIXED ASSETS OF MVVNL FOR FY 2020-21 (RS. CRORE) | 454 |
| TABLE 6-128: PROJECTIONS OF GROSS FIXED ASSETS OF PVVNL FOR FY 2020-21 (RS. CRORE) | 454 |
| TABLE 6-129: PROJECTIONS OF GROSS FIXED ASSETS OF PUVVNL FOR FY 2020-21 (RS. CRORE) | 454 |
| TABLE 6-130: PROJECTIONS OF GROSS FIXED ASSETS OF KESCO FOR FY 2020-21 (RS. CRORE) | 454 |
| TABLE 6-131: CONSOLIDATED PROJECTIONS OF GROSS FIXED ASSETS OF STATE DISCOMS FOR FY 2020-21 (RS. CRORE) | 455 |
| TABLE 6-132: CONSUMER CONTRIBUTION, CAPITAL GRANTS & SUBSIDIES FROM GOUP CONSIDERED FOR DVVNL IN FY 2020-21 (RS. CRORE) | 455 |
| TABLE 6-133: CONSUMER CONTRIBUTION, CAPITAL GRANTS & SUBSIDIES FROM GOUP CONSIDERED FOR MVVNL IN FY 2020-21 (RS. CRORE) | 455 |
| TABLE 6-134: CONSUMER CONTRIBUTION, CAPITAL GRANTS & SUBSIDIES FROM GOUP CONSIDERED FOR PVVNL IN FY 2020-21 (RS. CRORE) | 455 |
| TABLE 6-135: CONSUMER CONTRIBUTION, CAPITAL GRANTS & SUBSIDIES FROM GOUP CONSIDERED FOR PUVVNL IN FY 2020-21 (RS. CRORE) | 456 |
| TABLE 6-136: CONSUMER CONTRIBUTION, CAPITAL GRANTS & SUBSIDIES FROM GOUP CONSIDERED FOR KESCO IN FY 2020-21 (RS. CRORE) | 456 |
| TABLE 6-137: CONSUMER CONTRIBUTION, CAPITAL GRANTS & SUBSIDIES FROM GOUP CONSIDERED FOR THE STATE DISCOMS IN FY 2020-21 (RS. CRORE) | 456 |
| TABLE 6-138: GROSS DEPRECIATION AS SUBMITTED BY DVVNL FOR 2020-21 (RS CRORE) | 458 |
| TABLE 6-139: GROSS DEPRECIATION AS SUBMITTED BY MVVNL FOR 2020-21 (RS CRORE) | 458 |
| TABLE 6-140: GROSS DEPRECIATION AS SUBMITTED BY PVVNL FOR 2020-21 (RS CRORE) | 459 |



| | |
|--|-----|
| TABLE 6-141: GROSS DEPRECIATION AS SUBMITTED BY PUVVNL FOR 2020-21 (RS CRORE)..... | 459 |
| TABLE 6-142: GROSS DEPRECIATION AS SUBMITTED BY KESCO FOR 2020-21 (RS CRORE) | 460 |
| TABLE 6-143: GROSS ALLOWABLE DEPRECIATION FOR ASSETS UPTO 31.03.2020 OF DVVNL FOR FY 2020-21 (RS. CRORE)..... | 462 |
| TABLE 6-144: GROSS ALLOWABLE DEPRECIATION FOR ASSETS AS ON 01.04.2020 OF DVVNL FOR FY 2020-21 (RS. CRORE)..... | 463 |
| TABLE 6-145: GROSS ALLOWABLE DEPRECIATION FOR ASSETS UPTO 31.03.2020 OF MVVNL FOR FY 2020-21 (RS. CRORE)..... | 464 |
| TABLE 6-146: GROSS ALLOWABLE DEPRECIATION FOR ASSETS AS ON 01.04.2020 OF MVVNL FOR FY 2020-21 (RS. CRORE)..... | 464 |
| TABLE 6-147: GROSS ALLOWABLE DEPRECIATION FOR ASSETS UPTO 31.03.2020 OF PVVNL FOR FY 2020-21 (RS. CRORE)..... | 465 |
| TABLE 6-148: GROSS ALLOWABLE DEPRECIATION FOR ASSETS AS ON 01.04.2020 OF PVVNL FOR FY 2020-21 (RS. CRORE)..... | 465 |
| TABLE 6-149: GROSS ALLOWABLE DEPRECIATION FOR ASSETS UPTO 31.03.2020 OF PUVVNL FOR FY 2020-21 (RS. CRORE)..... | 466 |
| TABLE 6-150: GROSS ALLOWABLE DEPRECIATION FOR ASSETS AS ON 01.04.2020 OF PUVVNL FOR FY 2020-21 (RS. CRORE)..... | 466 |
| TABLE 6-151: GROSS ALLOWABLE DEPRECIATION FOR ASSETS UPTO 31.03.2020 OF KESCO FOR FY 2020-21 (RS. CRORE)..... | 467 |
| TABLE 6-152: GROSS ALLOWABLE DEPRECIATION FOR ASSETS AS ON 01.04.2020 OF KESCO FOR FY 2020-21 (RS. CRORE)..... | 467 |
| TABLE 6-153: NET APPROVED DEPRECIATION FOR ASSETS BEFORE 1.4.2020 (PART A) OF DVVNL FOR FY 2020-21 (RS. CRORE) | 468 |
| TABLE 6-154: NET APPROVED DEPRECIATION FOR ASSETS 1.4.2020 ONWARDS (PART B) OF DVVNL FOR FY 2020-21 (RS. CRORE)..... | 468 |
| TABLE 6-155: NET APPROVED DEPRECIATION FOR ASSETS OF DVVNL FOR FY 2020-21 (RS. CRORE) | 468 |
| TABLE 6-156: NET APPROVED DEPRECIATION FOR ASSETS BEFORE 1.4.2020 (PART A) OF MVVNL FOR FY 2020-21 (RS. CRORE) | 468 |
| TABLE 6-157: NET APPROVED DEPRECIATION FOR ASSETS 1.4.2020 ONWARDS (PART B) OF MVVNL FOR FY 2020-21 (RS. CRORE)..... | 469 |
| TABLE 6-158: NET APPROVED DEPRECIATION FOR ASSETS OF MVVNL FOR FY 2020-21 (RS. CRORE) | 469 |
| TABLE 6-159: NET APPROVED DEPRECIATION FOR ASSETS BEFORE 1.4.2020 (PART A) OF PVVNL FOR FY 2020-21 (RS. CRORE) | 469 |
| TABLE 6-160: NET APPROVED DEPRECIATION FOR ASSETS 1.4.2020 ONWARDS (PART B) OF PVVNL FOR FY 2020-21 (RS. CRORE) | 470 |



| | |
|--|-----|
| TABLE 6-161: NET APPROVED DEPRECIATION FOR ASSETS OF PVVNL FOR FY 2020-21 (RS. CRORE) | 470 |
| TABLE 6-162: NET APPROVED DEPRECIATION FOR ASSETS BEFORE 1.4.2020 (PART A) OF PUVVNL FOR FY 2020-21 (RS. CRORE) | 470 |
| TABLE 6-163: NET APPROVED DEPRECIATION FOR ASSETS 1.4.2020 ONWARDS (PART B) OF PUVVNL FOR FY 2020-21 (RS. CRORE) | 470 |
| TABLE 6-164: NET APPROVED DEPRECIATION FOR ASSETS OF PUVVNL FOR FY 2020-21 (RS. CRORE) | 471 |
| TABLE 6-165: NET APPROVED DEPRECIATION FOR ASSETS BEFORE 1.4.2020 (PART A) OF KESCO FOR FY 2020-21 (RS. CRORE) | 471 |
| TABLE 6-166: NET APPROVED DEPRECIATION FOR ASSETS 1.4.2020 ONWARDS (PART B) OF KESCO FOR FY 2020-21 (RS. CRORE) | 471 |
| TABLE 6-167: NET APPROVED DEPRECIATION FOR ASSETS OF KESCO FOR FY 2020-21 (RS. CRORE) | 471 |
| TABLE 6-168: CONSOLIDATED NET APPROVED DEPRECIATION FOR ASSETS OF STATE DISCOMS FOR FY 2020-21 (RS. CRORE) | 472 |
| TABLE 6-169: INTEREST ON LONG TERM LOAN OF DVVNL COMPUTED BY COMMISSION FOR 2019-20 (RS CRORE) | 474 |
| TABLE 6-170: INTEREST ON LONG TERM LOAN OF MVVNL COMPUTED BY THE COMMISSION FOR 2019-20 (RS CRORE) | 475 |
| TABLE 6-171: INTEREST ON LONG TERM LOAN OF PVVNL COMPUTED BY THE COMMISSION FOR 2019-20 (RS CRORE) | 475 |
| TABLE 6-172: INTEREST ON LONG TERM LOAN OF PUVVNL COMPUTED BY THE COMMISSION FOR FY 2019-20 (RS CRORE) | 475 |
| TABLE 6-173: INTEREST ON LONG TERM LOAN OF KESCO COMPUTED BY THE COMMISSION FOR 2019-20 (RS CRORE) | 475 |
| TABLE 6-174: CONSOLIDATED INTEREST ON LONG TERM LOAN OF STATE DISCOMS COMPUTED FOR 2019-20 (RS CRORE) | 476 |
| TABLE 6-175: OPENING NORMATIVE LOAN OF DVVNL FOR FY 2020-21 (RS. CRORE) | 476 |
| TABLE 6-176: OPENING NORMATIVE LOAN OF MVVNL FOR FY 2020-21 (RS. CRORE) | 476 |
| TABLE 6-177: OPENING NORMATIVE LOAN OF PVVNL FOR FY 2020-21 (RS. CRORE) | 476 |
| TABLE 6-178: OPENING NORMATIVE LOAN OF PUVVNL FOR FY 2020-21 (RS. CRORE) | 476 |
| TABLE 6-179: OPENING NORMATIVE LOAN OF KESCO FOR FY 2020-21 (RS. CRORE) | 477 |
| TABLE 6-180: CONSOLIDATED OPENING NORMATIVE LOAN OF STATE DISCOMS FOR FY 2020-21 (RS. CRORE) | 477 |
| TABLE 6-181: INTEREST CAPITALISATION (%) OF DVVNL FOR FY 2020-21 | 477 |
| TABLE 6-182: INTEREST CAPITALISATION (%) OF MVVNL FOR FY 2020-21 | 478 |
| TABLE 6-183: INTEREST CAPITALISATION (%) OF PVVNL FOR FY 2020-21 | 478 |
| TABLE 6-184: INTEREST CAPITALISATION (%) OF PUVVNL FOR FY 2020-21 | 478 |



| | |
|--|-----|
| TABLE 6-185: INTEREST CAPITALISATION (%) OF KESCO FOR FY 2020-21..... | 478 |
| TABLE 6-186:INTEREST ON LONG TERM LOAN OF DVVNL FOR 2020-21 (RS CRORE) | 479 |
| TABLE 6-187:INTEREST ON LONG TERM LOAN OF MVVNL FOR 2020-21 (RS CRORE) | 479 |
| TABLE 6-188:INTEREST ON LONG TERM LOAN OF PVVNL FOR 2020-21 (RS CRORE) | 479 |
| TABLE 6-189:INTEREST ON LONG TERM LOAN OF PUVVNL FOR 2020-21 (RS CRORE) | 480 |
| TABLE 6-190:INTEREST ON LONG TERM LOAN OF KESCO FOR 2020-21 (RS CRORE)..... | 480 |
| TABLE 6-191:CONSOLIDATED INTEREST ON LONG TERM LOAN OF THE STATE DISCOMS FOR 2020- 21 (RS CRORE) | 481 |
| TABLE 6-192:INTEREST ON WORKING CAPITAL OF DVVNL FOR 2020-21 (RS CRORE) | 482 |
| TABLE 6-193:INTEREST ON WORKING CAPITAL OF MVVNL FOR 2020-21 (RS CRORE) | 483 |
| TABLE 6-194:INTEREST ON WORKING CAPITAL OF PVVNL FOR 2020-21 (RS CRORE)..... | 483 |
| TABLE 6-195:INTEREST ON WORKING CAPITAL OF PUVVNL FOR 2020-21 (RS CRORE) | 484 |
| TABLE 6-196:INTEREST ON WORKING CAPITAL OF KESCO FOR 2020-21 (RS CRORE)..... | 484 |
| TABLE 6-197:CONSOLIDATED INTEREST ON WORKING CAPITAL OF THE STATE DISCOMS FOR 2020-21 (RS CRORE) | 485 |
| TABLE 6-198: INTEREST ON SECURITY DEPOSITS FOR DVVNL FOR FY 2019-20 (RS. CRORE) | 486 |
| TABLE 6-199: INTEREST ON SECURITY DEPOSITS FOR MVVNL FOR FY 2019-20 (RS. CRORE)..... | 486 |
| TABLE 6-200: INTEREST ON SECURITY DEPOSITS FOR PVVNL FOR FY 2019-20 (RS. CRORE) | 486 |
| TABLE 6-201: INTEREST ON SECURITY DEPOSITS FOR PUVVNL FOR FY 2019-20 (RS. CRORE) ... | 486 |
| TABLE 6-202: INTEREST ON SECURITY DEPOSITS FOR KESCO FOR FY 2019-20 (RS. CRORE) | 486 |
| TABLE 6-203: CONSOLIDATED INTEREST ON CONSUMER SECURITY DEPOSIT OF THE STATE DISCOMS FOR 2020-21 (RS CRORE) | 486 |
| TABLE 6-204: INTEREST CHARGES OF DVVNL FOR 2020-21 (RS CRORE) | 487 |
| TABLE 6-205: INTEREST CHARGES OF MVVNL FOR 2020-21 (RS CRORE) | 488 |
| TABLE 6-206: INTEREST CHARGES OF PVVNL FOR 2020-21 (RS CRORE) | 488 |
| TABLE 6-207: INTEREST CHARGES OF PUVVNL FOR 2020-21 (RS CRORE) | 488 |
| TABLE 6-208: INTEREST CHARGES OF KESCO FOR 2020-21 (RS CRORE)..... | 489 |
| TABLE 6-209: CONSOLIDATED INTEREST CHARGES OF THE STATE DISCOMS FOR 2020-21 (RS CRORE)..... | 489 |
| TABLE 6-210: RETURN ON EQUITY OF DVVNL FOR 2019-20 (RS CRORE) | 491 |
| TABLE 6-211: RETURN ON EQUITY OF MVVNL FOR 2019-20 (RS CRORE) | 491 |
| TABLE 6-212: RETURN ON EQUITY OF PVVNL FOR 2019-20 (RS CRORE)..... | 491 |
| TABLE 6-213: RETURN ON EQUITY OF PUVVNL FOR 2019-20 (RS CRORE) | 492 |
| TABLE 6-214: RETURN ON EQUITY OF KESCO FOR 2019-20 (RS CRORE)..... | 492 |
| TABLE 6-215: CONSOLIDATED RETURN ON EQUITY OF STATE DISCOMS FOR 2019-20 (RS CRORE) | 492 |
| TABLE 6-216: RETURN ON EQUITY OF DVVNL FOR 2020-21 (RS CRORE) | 493 |
| TABLE 6-217: RETURN ON EQUITY OF MVVNL FOR 2020-21 (RS CRORE) | 493 |
| TABLE 6-218: RETURN ON EQUITY OF PVVNL FOR 2020-21 (RS CRORE)..... | 493 |



| | |
|---|-----|
| TABLE 6-219: RETURN ON EQUITY OF PUVVNL FOR 2020-21 (RS CRORE) | 494 |
| TABLE 6-220: RETURN ON EQUITY OF KESCO FOR 2020-21 (RS CRORE)..... | 494 |
| TABLE 6-221: CONSOLIDATED RETURN ON EQUITY OF THE STATE DISCOMS FOR 2020-21 (RS CRORE)..... | 494 |
| TABLE 6-222: BAD AND DOUBTFUL DEBT AS SUBMITTED BY THE DVVNL FOR 2020-21 (RS CRORE) | 496 |
| TABLE 6-223: BAD AND DOUBTFUL DEBT AS SUBMITTED BY THE MVVNL FOR 2020-21 (RS CRORE) | 496 |
| TABLE 6-224: BAD AND DOUBTFUL DEBT AS SUBMITTED BY THE PVVNL FOR 2020-21 (RS CRORE) | 496 |
| TABLE 6-225: BAD AND DOUBTFUL DEBT AS SUBMITTED BY THE PUVVNL FOR 2020-21 (RS CRORE) | 496 |
| TABLE 6-226: BAD AND DOUBTFUL DEBT AS SUBMITTED BY THE KESCO FOR 2020-21 (RS CRORE) | 496 |
| TABLE 6-227: CONSOLIDATED BAD AND DOUBTFUL DEBT AS SUBMITTED BY THE STATE DISCOMS FOR 2020-21 (RS CRORE)..... | 497 |
| TABLE 6-228: NON-TARIFF INCOME OF THE STATE DISCOMS FOR 2020-21 (RS CRORE)..... | 498 |
| TABLE 6-229: GOUP SUBSIDY AS SUBMITTED BY THE STATE DISCOMS FOR 2020-21 (RS CRORE) | 499 |
| TABLE 6-230: CATEGORY WISE REVENUE OF DVVNL CLAIMED FOR FY 2020-21..... | 500 |
| TABLE 6-231: CATEGORY WISE REVENUE OF MVVNL CLAIMED FOR FY 2020-21 | 501 |
| TABLE 6-232: CATEGORY WISE REVENUE OF PVVNL CLAIMED FOR FY 2020-21 | 501 |
| TABLE 6-233: CATEGORY WISE REVENUE OF PUVVNL CLAIMED FOR FY 2020-21..... | 502 |
| TABLE 6-234: CATEGORY WISE REVENUE OF KESCO CLAIMED FOR FY 2020-21 | 503 |
| TABLE 6-235: CONSOLIDATED CATEGORY WISE REVENUE OF 5 STATE DISCOMS CLAIMED FOR FY 2020-21..... | 503 |
| TABLE 6-236: CONSOLIDATED SUBCATEGORY WISE SALES, REVENUE AND ABR OF 5 STATE DISCOMS FOR FY 2020-21 CLAIMED BY PETITIONERS..... | 504 |
| TABLE 6-237: APPROVED TARIFF REVENUE FOR DVVNL (INCLUDING DF OF AGRA) (RS. CRORE) | 507 |
| TABLE 6-238: APPROVED TARIFF REVENUE FOR MVVNL (RS. CRORE) | 508 |
| TABLE 6-239: APPROVED TARIFF REVENUE FOR PVVNL (RS. CRORE) | 508 |
| TABLE 6-240: APPROVED TARIFF REVENUE FOR PUVVNL (RS. CRORE) | 509 |
| TABLE 6-241: APPROVED TARIFF REVENUE FOR KESCO (RS. CRORE)..... | 509 |
| TABLE 6-242: APPROVED TARIFF REVENUE FOR ALL STATE OWNED DISCOMS (INCLUDING DF OF AGRA) (RS. CRORE)..... | 510 |
| TABLE 6-243: ARR, REVENUE AND GAP SUMMARY FOR DVVNL FOR 2020-21 (RS CRORE) | 511 |
| TABLE 6-244: ARR, REVENUE AND GAP SUMMARY FOR MVVNL FOR 2020-21 (RS. CRORE) | 512 |
| TABLE 6-245: ARR, REVENUE AND GAP SUMMARY FOR PVVNL FOR 2020-21 (RS. CRORE) | 512 |



| | |
|--|-----|
| TABLE 6-246: ARR, REVENUE AND GAP SUMMARY FOR PUVVNL FOR 2020-21 (RS. CRORE) | 513 |
| TABLE 6-247: ARR, REVENUE AND GAP SUMMARY FOR KESCO FOR 2020-21 (RS. CRORE)..... | 514 |
| TABLE 6-248: CONSOLIDATED ARR, REVENUE AND GAP SUMMARY FOR STATE OWNED DISCOMS FOR 2020-21 (RS. CRORE) | 515 |
| TABLE 7-1: WHEELING AND RETAIL SUPPLY ARR SUBMITTED BY THE PETITIONER FOR FY 2020-21 | 519 |
| TABLE 7-2: WHEELING CHARGES SUBMITTED BY PETITIONER FOR FY 2020-21 | 520 |
| TABLE 7-3: VOLTAGE-WISE WHEELING CHARGES SUBMITTED BY PETITIONER FOR FY 2020-21 | 520 |
| TABLE 7-4: WHEELING AND RETAIL SUPPLY ARR APPROVED BY THE COMMISSION FOR FY 2020- 21..... | 521 |
| TABLE 7-5: WHEELING CHARGES APPROVED BY THE COMMISSION FOR FY 2020-21 (WC) | 522 |
| TABLE 7-6: RETAIL SUPPLY CHARGES APPROVED BY THE COMMISSION FOR FY 2020-21 (DC) . | 522 |
| TABLE 7-7: APPROVED VOLTAGE-WISE WHEELING CHARGES FOR FY 2020-21..... | 523 |
| TABLE 7-8: INTRA-STATE TRANSMISSION CHARGES AS PER UPPTCL TARIFF ORDER FOR FY 2020- 21 (TC) | 523 |
| TABLE 7-9: AVERAGE TRANSMISSION CHARGE (EXCLUDING UPPTCL) FOR FY 2020-21 (PC) | 523 |
| TABLE 7-10: AGGREGATE OF TRANSMISSION, DISTRIBUTION & WHEELING CHARGES, APPLICABLE TO RELEVANT VOLTAGE LEVEL) D = PC + TC + DC + WC FOR THE STATE DISCOMS FOR FY 2020-21 | 523 |
| TABLE 7-11: DISTRIBUTION LOSS AT VARIOUS VOLTAGE LEVELS FOR FY 2020-21 AS SUBMITTED BY PETITIONERS | 524 |
| TABLE 7-12: DISTRIBUTION LOSS AT VARIOUS VOLTAGE LEVELS FOR FY 2020-21 AS APPROVED BY THE COMMISSION..... | 524 |
| TABLE 7-13: COST OF SUPPLY AS APPROVED BY THE COMMISSION FOR FY 2020-21 (RS./KWH) | 527 |
| TABLE 7-14: CROSS SUBSIDY SURCHARGE APPROVED BY THE COMMISSION FOR FY 2020-21 (RS./ KWH) | 527 |
| TABLE 9-1: ESTIMATION OF ARR GAP/SURPLUS FOR DVVNL FOR FY 2020-21 (RS. CRORE) | 531 |
| TABLE 9-2: ESTIMATION OF ARR GAP/SURPLUS FOR MVVNL FOR FY 2020-21 (RS. CRORE)..... | 531 |
| TABLE 9-3: ESTIMATION OF ARR GAP/SURPLUS FOR PVVNL FOR FY 2020-21 (RS. CRORE)..... | 531 |
| TABLE 9-4: ESTIMATION OF ARR GAP/SURPLUS FOR PUVVNL FOR FY 2020-21 (RS. CRORE) | 531 |
| TABLE 9-5: ESTIMATION OF ARR GAP/SURPLUS FOR KESCO FOR FY 2020-21 (RS. CRORE) | 532 |
| TABLE 9-6: ESTIMATION OF ARR GAP/SURPLUS CONSOLIDATED FOR FY 2020-21 (RS. CRORE) | 532 |
| TABLE 9-7: CONSOLIDATED ESTIMATION OF ARR GAP/SURPLUS OF STATE DISCOMS FOR FY 2020- 21 (RS. CRORE) | 532 |
| TABLE 9-8: REVENUE REALIZED AS % OF ACOS (WITHOUT SUBSIDY) | 533 |
| TABLE 10-1: STATUS OF COMPLIANCE / PETITIONER'S REPLY TO COMMISSION 'S DIRECTIVES | 535 |



TABLE 12-1: SUB-CATEGORY WISE AVERAGE BILLING RATE OF 5 DISCOMS CONSOLIDATED FOR FY
2020-21.....595



Before

UTTAR PRADESH ELECTRICITY REGULATORY COMMISSION

Petition No. 1594 / 2020, 1595 / 2020, 1596 / 2020, 1597 / 2020 and 1598 / 2020

IN THE MATTER OF:

TRUING UP OF TARIFF FOR FY 2018-19, ANNUAL PERFORMANCE REVIEW (APR) FOR FY 2019-20 AND APPROVAL OF AGGREGATE REVENUE REQUIREMENT AND TARIFF FOR FY 2020-21

And

IN THE MATTER OF:

- Dakshinanchal Vidyut Vitran Nigam Ltd., Agra (DVVNL)- (Petition No. 1595 / 2020)
- Madhyanchal Vidyut Vitran Nigam Ltd., Lucknow (MVVNL)- (Petition No. 1597 / 2020)
- Pashchimanchal Vidyut Vitran Nigam Ltd., Meerut (PVVNL)- (Petition No. 1598 / 2020)
- Purvanchal Vidyut Vitran Nigam Ltd., Varanasi (PuVVNL)- (Petition No. 1596 / 2020)
- Kanpur Electricity Supply Company Ltd., Kanpur (KESCO)- (Petition No. 1594 / 2020)

ORDER

The Commission having deliberated upon the above Petitions and the subsequent filings by the Petitioners, thereafter being admitted on July 28, 2020 and having considered the views / comments / suggestions / objections / representations received from the stakeholders during the course of the above proceedings and also in the public hearings held, in exercise of powers vested under Sections 61, 62, 64 and 86 of the Electricity Act, 2003 (hereinafter referred to as 'the Act'), hereby passes this Order signed, dated and issued on November 11, 2020.

The State owned Discoms / Licensees, in accordance with Regulation 5.10 of the Uttar Pradesh Electricity Regulatory Commission (Multi Year Tariff for Distribution & Transmission) Regulations, 2019, shall publish the Tariff approved by the Commission in at least two (2) English and two (2) Hindi daily newspapers having wide circulation in the area of supply and shall put up the approved Tariff on its internet website.

The Tariff so published shall be in force after seven days from the date of such publication of the Tariffs and shall, unless amended or revised, continue to be in force for such period as may be stipulated therein. The Commission may issue clarification / corrigendum / addendum to this Order as it deems fit from time to time with the reasons to be recorded in writing.



1. BACKGROUND AND BREIF HISTORY

1.1. BACKGROUND

1.1.1. The Uttar Pradesh Electricity Regulatory Commission (UPERC) was formed under U.P. Electricity Reforms Act, 1999 by Government of Uttar Pradesh (GoUP) in one of the first steps of reforms and restructuring process of the power sector in the State. Thereafter, in pursuance of the reforms and restructuring process, the erstwhile Uttar Pradesh State Electricity Board (UPSEB) was unbundled into the following three separate entities through the first reforms Transfer Scheme dated January 14, 2000:

- Uttar Pradesh Power Corporation Limited (UPPCL): vested with the function of Transmission and Distribution within the State.
- Uttar Pradesh Rajya Vidyut Utpadan Nigam Limited (UPRVUNL): vested with the function of Thermal Generation within the State
- Uttar Pradesh Jal Vidyut Nigam Limited (UPJVNL): vested with the function of Hydro Generation within the State.

1.1.2. Through another Transfer Scheme dated January 15, 2000, assets, liabilities and personnel of Kanpur Electricity Supply Authority (KESA) under UPSEB were transferred to Kanpur Electricity Supply Company Limited (KESCO), a company registered under the Companies Act, 1956.

1.1.3. After the enactment of the Electricity Act, 2003 (EA 2003) the need was felt for further unbundling of UPPCL (responsible for both Transmission and Distribution functions) along functional lines. Therefore, the following four new Distribution companies (hereinafter collectively referred to as 'Discoms' / 'Distribution Licensees') were created vide Uttar Pradesh Transfer of Distribution Undertaking Scheme, 2003 dated August 12, 2003 to undertake distribution and supply of electricity in the areas under their respective zones specified in the scheme:

- Dakshinanchal Vidyut Vitran Nigam Limited (Agra Discom or DVVNL)
- Madhyanchal Vidyut Vitran Nigam Limited (Lucknow Discom or MVVNL)
- Paschimanchal Vidyut Vitran Nigam Limited (Meerut Discom or PVVNL)
- Purvanchal Vidyut Vitran Nigam Limited (Varanasi Discom or PuVVNL)

1.1.4. Under this scheme, the role of UPPCL was specified as "Bulk Supply Licensee" as per the licence granted by the Commission and as "State Transmission Utility" under sub-section (1) of Section 27-B of the Indian Electricity Act, 1910.



- 1.1.5. Subsequently, the Uttar Pradesh Power Transmission Corporation Limited (UPPTCL), a Transmission Company (Transco), was incorporated under the Companies Act, 1956 by an amendment in the 'Object and Name' clause of the Uttar Pradesh Vidyut Vyapar Nigam Limited. The Transco is entrusted with the business of transmission of electrical energy to various utilities and open access consumers within the State of Uttar Pradesh. This function was earlier vested with UPPCL. Further, Government of Uttar Pradesh (GoUP), in exercise of power under the Section 30 of the EA 2003, vide notification No. 122/U.N.N.P/24-07 dated July 18, 2007, notified Uttar Pradesh Power Transmission Corporation Limited as the "State Transmission Utility" of Uttar Pradesh. Subsequently, on December 23, 2010, the Government of Uttar Pradesh notified the Uttar Pradesh Electricity Reforms (Transfer of Transmission and Related Activities Including the Assets, Liabilities and Related Proceedings) Scheme, 2010, which provided for the transfer of assets and liabilities from UPPCL to UPPTCL with effect from April 1, 2007.
- 1.1.6. Thereafter, on January 21, 2010, as the successor Distribution companies of UPPCL (a deemed Licensee), the Distribution Companies, which were created through the notification of the UP-Power Sector Reforms (Transfer of Distribution Undertakings) Scheme, 2003 were issued fresh Distribution Licenses, which replaced the UP-Power Corporation Ltd (UPPCL) Distribution, Retail & Bulk Supply License, 2000.

1.2. DISTRIBUTION TARIFF REGULATIONS

- 1.2.1. The Uttar Pradesh Electricity Regulatory Commission (Multi Year Distribution Tariff) Regulations, 2014 (herein after referred to as "Distribution MYT Regulations, 2014") were notified on May 12, 2014. These Regulations are applicable for determination of ARR and Tariff from FY 2017-18 to FY 2019-20. Embarking upon the MYT framework, the Commission has divided the period of five years (i.e. April 1, 2015 to March 31, 2020) into two periods namely –
- Transition period (April 1, 2015 to March 31, 2017)
 - Control Period (April 1, 2017 to March 31, 2020)
- 1.2.2. The transition period of two years ended in FY 2016-17. The Distribution Tariff Regulations, 2006 were made applicable for the Truing Up of ARR for the transition period (FY 2015-16 to FY 2016-17), whereas the first Control Period of the MYT Period (FY 2017-18 to FY 2019-20), was governed in accordance with the Distribution MYT Regulations, 2014.
- 1.2.3. Subsequently, the Commission notified the Uttar Pradesh Electricity Regulatory Commission (Multi Year Tariff for Distribution and Transmission) Regulations, 2019



(hereinafter referred to as “MYT Regulations 2019”) applicable for determination of tariff from April 1, 2020 onwards up to FY 2024-25 [i.e., till March 31, 2025] unless extended by the Commission. These Regulations were finalized by the Commission on 23rd September 2019 and were finally uploaded on the Commission’s website on 22nd November 2019, after gazette notification. These Regulations are applicable for the purpose of submission of Multi Year Tariff Petition for Business Plan, True-up, Annual Performance Review (APR), determination of Annual Revenue Requirement (ARR) and Tariff of all the distribution and transmission licensees within the State of Uttar Pradesh for the Control Period FY 2020-21 to FY 2024-25.

2. PROCEDURAL HISTORY

2.1. BUSINESS PLAN, MULTI YEAR ARR & TARIFF AND TRUE UP PETITION BY THE LICENSEES

2.1.1. The Commission, vide its Tariff Order dated November 30, 2017, approved the Business Plan for MYT Control Period (FY 2017-18, FY 2018-19 and FY 2019-20) for State Discoms along with the ARR / Tariff for FY 2017-18. In the said Order, the Commission also approved the True Up for FY 2014-15.

2.2. SUO-MOTO PROCEEDINGS ON ANNUAL PERFORMANCE REVIEW (APR) FOR FY 2017-18, AGGREGATE REVENUE REQUIREMENT (ARR) FOR FY 2018-19 AND PETITION FOR TRUE UP OF ARR FOR FY 2015-16 and FY 2016-17 FILED BY THE PETITIONERS

2.2.1. The Commission, vide its Order dated January 22, 2019, approved the ARR / Tariff for FY 2018-19 for State Discoms and the Annual Performance Review (APR) for FY 2016-17 and FY 2017-18. In the said Order, the Commission also approved the true up for FY 2015-16.

2.3. DETERMINATION OF TARIFF, ANNUAL PERFORMANCE REVIEW (APR) AND TRUING UP OF TARIFF

2.3.1. As per the provisions of the Distribution MYT Regulations, 2014 the Distribution Licensees’ were required to file their ARR / Tariff Filings before the Commission latest by November 30th each year so that the tariff can be determined and be made applicable for the subsequent financial year.

2.3.2. The Regulation 4 of Uttar Pradesh Electricity Regulatory Commission (Multi Year Tariff for Transmission & Distribution) Regulations, 2019 stipulates the detailed principles, procedures and timelines for determination of tariff. The relevant extract of the same is reproduced below:



Quote

4. Petitions to be filed in the Control Period

4.1 The Petitions to be filed in the Control Period under these Regulations will comprise of the following:

| Filing date | True- Up | APR | ARR / Tariff |
|--------------------|---|---|---------------------|
| 15.10.2019 | Business Plan for FY 2020-21 to FY 2024-25 | | |
| 30.11.2019 | <i>FY 2018-19 (as per MYT Regulations, 2014)*</i> | <i>FY 2019-20 (as per MYT Regulations, 2014)*</i> | <i>FY 2020-21</i> |
| 30.11.2020 | <i>FY 2019-20 (as per MYT Regulations, 2014)*</i> | <i>FY 2020-21</i> | <i>FY 2021-22</i> |
| 30.11.2021 | <i>FY 2020-21</i> | <i>FY 2021-22</i> | <i>FY 2022-23</i> |
| 30.11.2022 | <i>FY 2021-22</i> | <i>FY 2022-23</i> | <i>FY 2023-24</i> |
| 30.11.2023 | <i>FY 2022-23</i> | <i>FY 2023-24</i> | <i>FY 2024-25</i> |

*The filings shall be as per Multi-Year Distribution Tariff Regulations, 2014 and Multi-Year Transmission Tariff Regulations, 2014, however, filings have to be made on 30th November of the respective year as per these Regulations

4.2 The Licensee shall submit the data regarding the above as per Guidelines and Format prescribed and added/ amended from time to time by the Commission.

Unquote

- 2.3.3. The Commission vide its Letter No. UPERC/Secy/D (Tariff)/19-1238 dated September 24, 2019 conveyed the Petitioners to immediately initiate the process of filling of Petition for Business Plan and determination of ARR / Tariff in order to adhere with the timelines as stipulated under the Regulations.
- 2.3.4. The Commission observed that even though all the formats required to be submitted by the Petitioners along with the Petition were shared with them, yet the Petitioners did not file the respective Petition despite strict directions being issued by the Commission in the matter. Accordingly, the Commission vide its letter No. UPERC/Secy/D(Tariff)/20-1868 dated January 10, 2020 expressed its displeasure that the Petitioner has not adhered to the timelines as specified in the MYT Regulations 2019 for filing the Business Plan Petition. The Commission further took cognizance of the Hon'ble APTEL judgment dated 11.11.2011 in OP No. 1/2011 (Suo-moto proceedings on the basis of the letter received from Ministry of Power, Government of India), wherein it is stated that the review of annual performance, the truing up of past expenses and the determination of